

City of San Diego

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M. Afifi / A. Jaro / Y. Kawai



PROPOSAL DOCUMENTS



FOR ROSEVILLE-FLEET RIDGE IMPROVEMENTS 1

RFP NO.: K-24-2320-DB1-3

SAP NO. (WBS/IO/CC): B-22092, B-22097

CLIENT DEPARTMENT: 2000

COUNCIL DISTRICT: 2

PROJECT TYPE: KB, JA

THIS CONTRACT IS SUBJECT TO THE FOLLOWING:

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

THIS CONTRACT MAY BE SUBJECT TO THE FOLLOWING:

- PHASED-FUNDING

PROPOSALS DUE:

2:00 PM

AUGUST 8, 2024

CITY OF SAN DIEGO'S ELECTRONIC BIDDING SITE, PLANETBIDS

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

DEPUTY CITY ENGINEER

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



For City Engineer

06/12/2024

Date

Seal:



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REQUEST FOR PROPOSAL

1. INTRODUCTION AND PROJECT OVERVIEW

1.1. SOLICITATION

- 1.1.1 This is the City of San Diego's (City) solicitation process to acquire Design-Build services for the **ROSEVILLE-FLEET RIDGE IMPROV 1** Design-Build project.
- 1.1.2 This RFP describes the Project, the required Scope of Work and Services, the Design-Builder selection process, the minimum information that shall be included in the Proposal for this Project and the terms and conditions governing the Work. Failure to submit all requested information in accordance with the requirements of this Request for Proposal (RFP) may be cause for disqualification.
- 1.1.3 Each Proposal, properly executed as required by this RFP, shall constitute a firm offer which may be accepted by the City within the time specified in the Proposal.
- 1.1.4 This RFP will not commit the City to award a contract, to defray any costs incurred in the preparation of a Proposal pursuant to this RFP, or to procure or contract for the Work.
- 1.1.5 Selection announcements, contract awards, and all data provided by the City shall be protected by the Design-Builder from public disclosure. The Design-Builders desiring to release information to the public, shall receive prior written approval from the City.
- 1.1.6 The Design-Builder, by submitting a response to this RFP, agrees to provide the required services for the terms and conditions noted in this RFP and its exhibits if awarded by the City. The agreement and other terms and conditions are included in the Design-Build Contract and The GREENBOOK, The WHITEBOOK, and the Supplementary Special Provisions (SSP).
- 1.1.7 Any architectural firms, engineering firms, specialty consultants, or individuals retained by the City to assist in drafting the RFPs or the Project's preliminary design may not be eligible to participate in the competition with any Design-Build Entity. It is the responsibility of the Design-Build entity to obtain the required legal advice necessary to resolve such matters.

- 2. **SUMMARY OF WORK:** This is the City's solicitation process to acquire Design-Build services for a Design-Build project.

WATER MAIN: Replace approximately 5,965 linear feet (1.13 miles) of water mains via an open trench, including all associated water services, fire hydrants, valves, water meters, and other appurtenances.

SEWER MAIN: Rehabilitate approximately 10,688 linear feet (2.02 miles) of 8-inch vitrified clay (VC) sewer mains. Install eleven (11) cleanouts and one (1) manhole. Complete six (6) point repairs. Rehabilitate approximately 207 sewer laterals with cleanouts. The project also includes street restoration and curb ramps to bring to ADA standard.

For additional information refer to Attachment A.

3. **FULL AND OPEN COMPETITION:** This contract is open to full competition and may be bid on by Contractors who are on the City's current Prequalified Contractors' List. For information regarding the Contractors Prequalified list visit the City's web site: <http://www.sandiego.gov>.
4. **PROPOSAL DUE DATE AND TIME ARE: AUGUST 8, 2024 at 2:00 PM**
5. **ESTIMATED PROJECT COST:** The City's estimated cost for this project is **\$11,375,000.00**.
6. **LICENSE REQUIREMENT:** To be eligible for award of this contract, Prime contractor must possess the following licensing classifications: **A or (C34 & C42)**
7. **CONTRACT PERIOD:** The Project, including the Plant Establishment Period, shall be completed within **557** Working Days from the Notice to Proceed (NTP).
8. **PREVAILING WAGE RATES APPLY TO THIS CONTRACT:** Refer to Attachment D.
9. **PHASED FUNDING:** This contract may be subject to phased funding, for Conditions, see Attachment B.
10. **NON-MANDATORY PRE-PROPOSAL MEETING:**
 - 10.1. **ONLINE PRE-PROPOSAL MEETING:**

Prospective Bidders are **Encouraged** to attend the Pre-Proposal Meeting.

The Pre-Proposal Meeting will be held on **Wednesday, July 3, 2024**, at **10:00 AM (PDT)** at:

Microsoft Teams [Need help?](#)

[Join the meeting now](#)

Meeting ID: 221 408 144 943

Passcode: Jzuv5L

Dial in by phone

[+1 945-468-5511,521090806#](#) United States, Dallas

[Find a local number](#)

Phone conference ID: 521 090 806#

For organizers: [Meeting options](#) | [Reset dial-in PIN](#)

Please Note: You will need to join the meeting with a computer, tablet or smartphone with the **Microsoft Teams** in order to sign in via the Chat feature as attendance at the meeting will be evidenced by the Chat sign-in. The Chat feature will also be used for attendees to ask any questions.

The purpose of the meeting is to discuss the scope of the Project, submittal requirements, and any Equal Opportunity Contracting Program requirements and reporting procedures.

Upon entering the meeting, all attendees must use the chat feature to sign in with the following information: Name of firm, Attendee's name, Phone number and Email address.

11. SUBCONTRACTING PARTICIPATION PERCENTAGES: Subcontracting participation percentages apply to this contract.

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

1. SLBE participation	8.5%
2. ELBE participation	13.8%
3. Total mandatory participation	22.3%

11.2. The current list of Certified SLBE/ELBE Firms to be used for outreach for this project is posted to the Documents tab on PlanetBids.

11.3. The Proposal will be declared **non-responsive** if the Proposer fails to meet the following mandatory requirements:

11.3.1. Proposer’s inclusion of SLBE-ELBE certified subcontractors at the overall mandatory participation percentage identified in this document. **OR**

11.3.3. 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.

12. SELECTION AND AWARD SCHEDULE:

12.1. The City anticipates that the process for selecting a Design-Builder and awarding the contract will be according to the following tentative schedule. Dates are subject to change:

- | | | |
|--------------|----------------------------|-----------------------|
| 12.2. | Proposal Due Date | August 8, 2024 |
| 12.3. | Selection and Notification | September 2024 |
| 12.4. | Limited Notice to Proceed | October 2024 |

INSTRUCTIONS TO PROPOSERS AND GENERAL CONDITIONS

1. PREQUALIFICATION OF CONTRACTORS AND CALIFORNIA STATE LICENSE:

- 1.1. Contractors submitting a Proposal 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 PROPOSALS: Proposals will be received in electronic format (eBids) EXCLUSIVELY** at the City of San Diego's electronic bidding (eBidding) site, at: <https://www.sandiego.gov/cip/bidopps/> and are due by the date, and time shown on the cover of this solicitation.
- 2.1. **PROPOSERS MUST BE PRE-REGISTERED** with the City's bidding system and possess a system-assigned Digital ID in order to submit an electronic proposal.
- 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. Upon entry of their proposal, the system will ensure that all required fields are entered. **The system will not accept a proposal 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. **PROPOSALS REMAIN SEALED UNTIL DUE DATE AND TIME.** eBids and eProposals 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. Proposals submitted prior to the Due Date and Time are not available for review by anyone other than the submitter, who will have until the Due Date and Time to change, rescind or retrieve its proposal should they desire to do so.
- 2.5. **PROPOSALS MUST BE SUBMITTED BY DUE DATE AND TIME.** Once the deadline is reached, no further submissions are accepted into the system. Once the Due Date and Time has passed, 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, Equal Opportunity Contracting Program (EOCP) compliance and other issues.
- 2.6. **TECHNICAL PROPOSAL AND PRICE PROPOSAL ARE TO BE SEPARATE.** The proposer is to submit two separate proposal PDFs by the due date and time.
- 2.6.1. The Technical proposal, which should contain the items detailed below and in Attachment G. There is to be **NO PRICING** information within this proposal. If a Technical proposal contains pricing information, the submission may be deemed non-responsive and ineligible for further consideration, and
- 2.6.2. The Price proposal, which should detail the cost structure and include any forms as required herein.

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

2.8. PROPOSALS MAY BE WITHDRAWN by the Proposer prior to, but not after, the time set as Due Date and Time.

2.8.1. Important Note: Submission of the electronic proposal 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 proposer's submission to upload and be received by the City's eBidding system. It is the proposer's sole responsibility to ensure their proposals are received on time by the City's eBidding system. The City of San Diego is not responsible for proposals that do not arrive by the required date and time.

2.9. 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 in the cover of this solicitation at least five (5) working days prior to the Proposal due date to ensure availability.

3. ELECTRONIC SUBMISSIONS CARRY FULL FORCE AND EFFECT

3.1. The proposer, by submitting its electronic proposal, 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 proposal, the proposer certifies that the proposer 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 proposal, the proposer 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 Proposer, by submitting their electronic proposal, 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 proposal are true and correct.

3.4. Each properly signed Proposal shall constitute a firm offer that may be accepted by the City within the time frame specified herein.

3.5. The Proposer 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.

4. PROPOSALS ARE PUBLIC RECORDS: Upon receipt by the City, proposals 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 proposal's 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. EQUAL OPPORTUNITY CONTRACTING

5.1. As set forth in this RFP, the City is dedicated to the principles of equal opportunity in the workplace and in subcontracting. It is the City's expectation that firms doing business with the City have, and are able to demonstrate, the same level of commitment.

5.2. The Design-Builders are encouraged to take positive steps to diversify and expand their subcontractor solicitation base and to offer contracting opportunities to all eligible certified Subcontractors in accordance with the City's EOCP requirements included in the Contract Documents.

5.3. Design-Builder's Work Force

5.3.1. The Design-Builders shall submit with its Proposal a Work Force Report (EOC Form BB05) and prior to award of contract, the successful Design-Builder shall submit to the City's EOCP office an updated Work Force Report or an Equal Employment Opportunity (EEO) Plan.

5.3.2. If under representations are noted in the Work Force Report when compared to County Labor Force Availability data, the Design-Builder shall submit an Equal Opportunity Plan. Any Equal Employment Opportunity Plan submitted shall include the elements as outlined in the EOCP Requirements (see Attachment C, Equal Opportunity Contracting Program).

5.3.3. 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>

5.4. Nondiscrimination Ordinance (Municipal Code §§ 22.2701-22.2708)

5.4.1. The Design-Builder 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 the Subcontractors and Suppliers. The Design-Builder shall provide equal opportunity for Subcontractors to participate in subcontracting opportunities. The Design-Builder understands and agrees that violation of this clause shall be considered a material breach of the contract and may result in contract termination, debarment or other sanctions.

- 5.4.2. This language shall be in contracts between the Design-Builder and any Subcontractors and Suppliers.
- 5.4.3. As part of its Proposal, the Design-Builder shall provide to the City a list of all instances within the last 10 years where a complaint was filed or pending against Design-Builder in a legal or administrative proceeding alleging that Design-Builder discriminated against its employees, the Subcontractors, or Suppliers, and a description of the status or resolution of that complaint, including any remedial action taken. If there have not been any complaints filed or pending against Design-Builder, a written statement from the Design-Builder to confirm shall be included in the Proposal.

5.5. Contractor Registration and Electronic Reporting System

- 5.5.1. Prior to the award of the Contract, the Design-Builder, Subcontractors, and Suppliers must register with the City's web-based vendor registration and bid management system, BidsOnline, hosted by PlanetBids System. For additional information go to:

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

- 5.5.2. 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.

- 5.5.3. Following the award of the Contract, the Design-Builder will be required to use the City's web-based contract compliance application for EOCP reporting purposes e.g., Weekly Certified Payroll, Monthly Employment Utilization, and Monthly Payments. Online tutorials are available at:

<https://stage.prismcompliance.com/etc/vendortutorials.htm>

5.5.3.1. The City may retain progress payments if:

5.5.3.2. The non-registered Design-Builder, Subcontractors or Suppliers fail to register.

5.5.3.3. EOCP reporting is delinquent or inadequate.

5.5.3.4. Underpayment has occurred.

6. PRE-PROPOSAL ACTIVITIES

6.1. Submission of Questions

- 6.1.1. The Director (or designee) of the Purchasing & Contracting Department is the officer responsible for opening, examining, and evaluating the competitive Proposals submitted to the City for the acquisition, construction, and

completion of any public improvement except when otherwise set forth in these documents. All questions related to this solicitation shall be submitted to:

Abel Martinez at MartinezAbel@sandiego.gov

- 6.1.2.** Questions received less than 14 Days prior to the Proposal due date may not be considered.
- 6.1.3.** 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.
- 6.1.4.** Only questions answered by formal written addenda shall be binding. Oral and other interpretations or clarifications shall be without legal effect. It is the Design-Builder's responsibility to be informed of any Addenda that have been issued and to adjust its Proposal accordingly.

6.2. Revisions to the RFP

The City, at its option, may respond to any or all questions submitted in writing via the City's eBidding web site in the form of an addendum. No other responses to questions, oral or written, shall be of any force or effect with respect to this solicitation.

Any changes to the Contract Documents through addendum are made effective as though originally issued with the Proposal. The Design-Builders shall acknowledge the receipt of Addenda at the time of Proposal submission.

7. EXAMINATION OF PLANS, SPECIFICATIONS, AND SITE OF WORK

- 7.1.** 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 Purchasing & Contracting Department, Public Works Division.
- 7.2.** The Design-Builders shall carefully examine the Project Site, the Plans and Specifications, and other materials as described in or referenced by this RFP. The submission of a Proposal shall be conclusive evidence that the Design-Builder 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, local conditions, and as to the requirements of the Contract Documents.

- 8. CHANGES TO THE SCOPE OF WORK:** Once a proposal has been accepted by the City and the award has been made, the Design-Builder shall immediately notify the City in writing of any proposed or anticipated change in the scope, contract amount, or contract time; and shall obtain the City's written consent to the change(s) prior to affecting them. In no event shall the City's consent be construed to relieve the Design-Builder from its duty to render all work and services in accordance with applicable laws and accepted industry standards.

9. **DESIGN SUBMITTALS:** The City's review of the Design-Builder's Design Submittals shall not relieve the Design-Builder from its responsibilities under the Contract, or be deemed to be an acceptance or waiver by City of any deviation from, or of the Design-Builder's failure to comply with, any provision or requirement of the Contract Documents, unless such deviation or failure has been identified as such in writing in the document submitted for acceptance by the Design-Builder and accepted by City. Where approval or acceptance by City is required, it is understood to be general approval only, and does not relieve the Design-Builder of responsibility for complying with all applicable laws and good professional practices as the Design-Builder shall be the Engineer of Record.
10. **BONDS AND INSURANCE:** Prior to the award of the Contract (or Task Order), the Design-Builders shall submit evidence of separate bonds and insurance as specified in Section 5-4, "INSURANCE," of the City's standard specifications for public works construction unless specified otherwise in the Contract Documents.
11. **SUBMITTAL REQUIREMENTS: PROPOSALS MUST BE RECEIVED NO LATER THAN THE DUE DATE AND TIME.** Proposals may be withdrawn by the Design-Builder only up to the proposal due date and time.

IMPORTANT NOTE: Submission of the electronic proposals 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 that their bids / proposals are received on time by the City's eBidding system. The City of San Diego is not responsible for bids / proposals that do not arrive by the required date and time.

11.1. TECHNICAL PROPOSAL REQUIREMENTS: Technical Proposals submitted in response to this RFP shall be in the following order and shall include:

- Legal name of company.
- Legal form of entity (partnership, corporation, joint venture, or other). If joint venture, identify the members of the joint venture, and provide all information required under this section for each member.
- Year of establishment of entity.
- If company is subsidiary of a parent company, identify the parent company.
- Address of main office.
- Address of San Diego satellite office if applicable.
- Contact information for firm, including name, title, email address and telephone number.
- Number of employees in San Diego County.
- Applicable License(s):
- City of San Diego Business License Number, including expiration date.

- State Contractor's License Number including expiration date, and all classifications. Professional Engineering/Architect License Number, including expiration date.
- Failure to provide all required information may result in the Proposal being considered non-responsive and ineligible for further consideration.

11.1.1. The Technical Proposal shall be concise, well organized, and demonstrate the Design-Builder's qualifications and experience applicable to the Project. The Technical Proposal shall be limited to 50 one-sided pages (8 1/2" x 11"), exclusive of resumes, graphics, forms, pictures, photographs, dividers, front and back cover, etc., that address the Technical Proposal contents; and of Equal Opportunity Contracting documentation. Font Type shall be Times New Roman in a minimum 12 Point font size, with a minimum 1" margin for text pages. A cover letter may be submitted but shall not contain any information that is a required element of the Technical Proposal. Any Technical Proposal that does not comply with these formatting standards may not be considered.

11.1.2. The Technical Proposals submitted in response to this RFP shall be in accordance with the requirements listed in ATTACHMENT G. The contents of the Technical Proposal shall be organized consistent with the format in Attachment G.

11.1.3. Design elements which deviate from the Scope of Work, City's design guidelines, or material substitutions which differ from the Approved Material List shall be highlighted in accordance with Attachment G.

11.1.4. Failure to comply with this section may render the Design-Builder's submittal non-responsive and ineligible for further consideration.

11.2. PRICE PROPOSAL REQUIREMENTS

11.2.1. A clearly marked, signed PDF of the Price Proposal is to be submitted in a separate PDF. This **is not** to be included with the Technical proposal. Refer to Attachment H of this RFP for any Price Proposal forms required to be used.

11.2.2. The Price Proposal shall be signed by an individual or individuals authorized to execute legal documents on behalf of the Design-Builder.

11.2.3. The lowest proposed price is not the determining factor for award of this contract. See Attachment G for the criteria by which the proposals will be evaluated.

11.2.4. In the event of any discrepancies, written numbers will govern over numerical. Also, the sum of all lump sum line items, unit price line items, allowance line items and any other priced items will govern over the "Total Design-Build Proposal" line item.

11.2.5. The required EOCP information such as Subcontractor and Supplier listings shall be submitted as part of the Price Proposal.

12. SELECTION CRITERIA AND SCORING

- 12.1. An evaluation Panel comprised of representatives from the City will be established for this Project. The Panel may also include other interested parties such as additional participating agencies, representative from the community and other appropriate agencies such as the State Water Resource Control Board.
- 12.2. Proposals will be ranked according to the selection criteria set forth in Attachment G.
- 12.3. Based upon this technical review, the Panel will rank the Design-Builders' proposals in accordance with the selection criteria set forth in Attachment G of this RFP.
- 12.4. Once the Technical Proposals have been ranked by the Panel, the Design-Builders' price proposals will be made available to the panel and forwarded to EOCP for review and scoring of subcontractor participation. The EOCP score will then be added to the Design-Builders' cumulative scores.

13. SUBCONTRACTOR INFORMATION:

- 13.1. **LISTING OF SUBCONTRACTORS.** In accordance with the requirements provided in the "Subletting and Subcontracting Fair Practices Act" of the California Public Contract Code, the Bidder shall provide the **NAME** and **ADDRESS** of each Subcontractor who will perform work, labor, render services or who specially fabricates and installs a portion [type] of the work or improvement, in an amount in excess of 0.5% of the Contractor's total Bid. The Bidder shall also state within the description, whether the subcontractor is a **CONSTRUCTOR, CONSULTANT** or **SUPPLIER**. The Bidder shall 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 - General; 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.

13.2. LISTING OF SUPPLIERS. Any Bidder seeking the recognition of Suppliers of equipment, materials, or supplies obtained from third party Suppliers towards achieving any mandatory or voluntary (or both) subcontracting participation goals shall provide, at a minimum, the **NAME, LOCATION (CITY), 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.

13.3. LISTING OF SUBCONTRACTORS OR SUPPLIERS FOR ALTERNATES. For subcontractors or suppliers to be used on alternate items, bidder shall use the provided **"Subcontractors For Alternates"** form and shall indicate for each alternate subcontract whether it is an additive or deductive alternate; the subcontractor's name, location, phone number, email address, CA license number, and DIR registration number; whether the subcontractor is a designer, constructor or supplier; the type of work the subcontractor will be performing; and the dollar value of the subcontract for that alternate item. Failure to comply with this requirement may result in the bid being rejected as **non-responsive** and ineligible for award.

14. AWARD

14.1. After the Technical Proposals have been evaluated, scored and ranked; the Price proposals will be factored in according to the criteria set forth in Attachment G. A Design-Builder selection will then be made.

14.2. The City will announce in writing to all the RFP participants the selected Design-Builder. The announcement will show the results of the evaluation. This notification to the Design-Builders shall constitute the public announcement of the selected Design-Builder. In the event that the selected Design-Builder is subsequently deemed non-responsive or non-responsible, a new public announcement will be provided to all proposers with the name of the newly designated selected Design-Builder.

14.3. This RFP will not commit the City to award a contract, to defray any costs incurred in the preparation of a Proposal pursuant to this RFP, or to procure or contract for the Work.

14.4. Selection announcements, contract awards, and all data provided by the City shall be protected by the Design-Builder from public disclosure. The Design-Builders desiring to release information to the public shall receive prior written approval from the City.

- 14.5. Design-Builders who submit a response to this RFP agree to provide the required services in accordance with the terms and conditions noted in this RFP and its attachments upon award by the City. The agreement and other terms and conditions are included in the Design-Build Contract, The GREENBOOK, The WHITEBOOK, and the Supplementary Special Provisions (SSP).
- 14.6. Any architectural firms, engineering firms, specialty consultants, or individuals retained by the City to assist in drafting the RFPs or the Project's preliminary design may not be eligible to participate in the competition with any Design-Build Entity without the prior written consent of City. Any architectural firms, engineering firms, specialty consultants, or individuals retained by the City to assist in drafting any Reference Documents, such as the Water Department's Master Plan and any other document that was not prepared specifically for this contract, are considered to be eligible to participate.
- 14.7. To obtain the price Proposal 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 Proposal name and number. The Proposal tabulations will be mailed to you upon their completion. The results will not be given over the telephone.

15. **ADDITIONAL POLICIES, PROCEDURES, TERMS AND CONDITIONS**

- 15.1. The Program's Selection Process is based on the policies, procedures and guidelines set forth in the City Municipal Code Chapter 2, Article 2, Division 33.
- 15.2. **Protests.** A Design-Builder may protest the award of the Contract to another Design-Builder in accordance with San Diego Municipal Code.
- 15.3. **Changes to Key Personnel and Substitution of Subcontractors.** The Design-Builder shall not change or substitute any individual that is identified in its proposal as "key personnel" without the written consent of the City. The Design-Builder shall not change or substitute any material, supplier, or subcontractor identified in its Proposal without written consent of the City. The City's consent will not be unreasonably withheld.
- 15.4. **Project Team.** The Design-Builder shall maintain all representations, team members, and proposed tasks and work elements as valid, except for the schedule which may be adjusted as mutually agreed upon by the City and the Design-Builder.
- 15.5. **Submittal of "Or Equal" Items.** See 4- 6, "Trade Names or Equals" in the SSP and as modified by the Scope of Work ATTACHMENT A.
- 15.6. **Subcontract Limitations.** The Design-Builder's attention is directed to Standard Specification for Public Works Construction, Section 3-2, "SELF-PERFORMANCE", which requires the Design-Builder to perform not less than the specified amount under this RFP. Failure to comply shall render the Proposal non-responsive.
- 15.7. **San Diego Business Tax Certificate.** All Contractors, including 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, before the Contract can be executed.

15.8. City Standard Provisions. The work resulting from this RFP is subject to the following standard provisions. See The WHITEBOOK for details.

- 15.8.1.** The City of San Diego Resolution No. R-277952 adopted on May 20, 1991 for a Drug-Free Workplace.
- 15.8.2.** The City of San Diego Resolution No. R-282153 adopted on June 14, 1993 related to the Americans with Disabilities Act.
- 15.8.3.** The City of San Diego Municipal Code §22.3004 for Pledge of Compliance.
- 15.8.4.** The City of San Diego's Labor Compliance Program and the State of California Labor Code §§1771.5(b) and 1776.
- 15.8.5.** 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.
- 15.8.6.** The City's Equal Benefits Ordinance (EBO), Chapter 2, Article 2, Division 43 of The San Diego Municipal Code (SDMC).
- 15.8.7.** The City's Information Security Policy (ISP) as defined in the City's Administrative Regulation 90.63.

15.9. Prevailing Wage Rates Apply: Refer to Attachment D.

15.10. Reference Standards: Except as otherwise noted or specified, the Work shall be completed in accordance with the following standards:

Title	Edition	Document Number
Standard Specifications for Public Works Construction ("The GREENBOOK") http://www.greenbookspecs.org/	2021	ECPI010122-01
City of San Diego Standard Specifications for Public Works Construction ("The WHITEBOOK")* https://www.sandiego.gov/ecp/edocref/greenbook	2021	ECPI010122-02
City of San Diego Standard Drawings* https://www.sandiego.gov/ecp/edocref/standarddraw	2021	ECPI010122-03
Citywide Computer Aided Design and Drafting (CADD) Standards https://www.sandiego.gov/ecp/edocref/drawings	2018	PWPI010119-04
California Department of Transportation (CALTRANS) Standard Specifications https://dot.ca.gov/programs/design/july-2023-ccs-standard-plans-and-standard-specifications	2023	ECPD092023-05

Title	Edition	Document Number
CALTRANS Standard Plans https://dot.ca.gov/programs/design/july-2023-ccs-standard-plans-and-standard-specifications	2023	ECPD092023-06
California Manual on Uniform Traffic Control Devices Revision 8 (CA MUTCD Rev 8) https://dot.ca.gov/programs/safety-programs/camutcd	2014	ECPD032324-07
NOTE: *Available online under Engineering Documents and References at: https://www.sandiego.gov/ecp/edocref/ *Electronic updates to the Standard Drawings may also be found in the link above		

CERTIFICATIONS AND FORMS

The Proposer, by submitting its electronic bid or proposal, 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 submission are true and correct.

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

State of California

County of San Diego

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

CONTRACTOR CERTIFICATION

DRUG-FREE WORKPLACE

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

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

CONTRACTOR CERTIFICATION

AMERICANS WITH DISABILITIES ACT (ADA) COMPLIANCE CERTIFICATION

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

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

CONTRACTOR CERTIFICATION

CONTRACTOR STANDARDS – PLEDGE OF COMPLIANCE

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

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

CONTRACTOR CERTIFICATION

EQUAL BENEFITS ORDINANCE CERTIFICATION

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

CONTRACTOR CERTIFICATION

EQUAL PAY ORDINANCE CERTIFICATION

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

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

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

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

AFFIDAVIT OF DISPOSAL

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

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

ROSEVILLE-FLEET RIDGE IMPROVEMENTS 1

(Project Title)

as particularly described in said contract and identified as Bid No. **K-24-2320-DB1-3**; SAP No. (WBS)-**B-22092, B-22097**; 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

CONTRACTOR CERTIFICATION

IN-USE OFF-ROAD DIESEL FUELED FLEET REGULATION (OFF-ROAD REGULATION) COMPLIANCE

I hereby certify that Contractor is familiar with the requirements 13 CCR 2449, 2449.1, and 2449.2, as well as Attachment F, In-Use Off-Road Diesel Fueled Fleet Regulation (Off-Road Regulation) Compliance (CARB), and that Contractor shall comply with these requirements.

I further certify that each of the Contractor's listed subcontractors is familiar with these requirements and shall also comply.

CONTRACTOR CERTIFICATION

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.

ATTACHMENTS

ATTACHMENT A

**PROJECT DESCRIPTION, SCOPE OF WORK, TECHNICAL SPECIFICATIONS, AND/OR
BRIDGING DOCUMENTS**

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PROJECT DESCRIPTION, SCOPE OF WORK, TECHNICAL SPECIFICATIONS, AND/OR BRIDGING DOCUMENTS

1. PROJECT DESCRIPTION:

This project includes water and sewer facilities identified by the Public Utilities Department as requiring replacement due to age and condition. These replacements will reduce future water and sewer main breaks and reduce maintenance requirements. The project will also bring existing water and sewer mains up to current City Standards. The Project is located within the of the Peninsula Community (Council District 2).

The linear footage of water pipes in this project is approximately 5,965 linear feet (LF) (1.13 miles) of 8-inch and 12-inch Polyvinyl Chloride (PVC) water mains to replace existing asbestos cement (AC) water mains. All associated water service, valves, fire hydrants, and other appurtenances will be replaced or added and brought up to the standards in the design guidelines.

This project also includes rehabilitation of approximately 10,688 linear feet (2.02 miles) of 8-inch vitrified clay (VC) sewer mains. Install eleven (11) cleanouts and one (1) new manhole. Complete six (6) point repairs and rehabilitate approximately 207 sewer laterals with cleanouts. For locations that are identified for point repairs the sewer main and laterals needs to be rehabbed in addition to the point repairs. All sewer laterals, sewer lateral cleanouts, manholes, and other appurtenances will be rehabilitated and brought up to the standards in the design guidelines.

The project may utilize the open trench and trenchless construction methods. It is the responsibility of the Design-Builder to evaluate these two alternatives and provide the most efficient and cost-effective solution in their proposal.

Construction will also include approximately 40 dual curb ramps and 3 single curb ramps that are required to be replaced or installed by this project according to new Americans with Disabilities Act (ADA) compliant curb ramps. Depending on the option the designer selects, the numbers may change. Due to locations and existing conditions, some of these curb ramps will require design work. The DCE shall make the final decision on whether design work and details are needed for the project to ensure the curb ramps are constructed appropriately by the Contractor. If the project triggers the curb ramps at the alley corners, then they shall be replaced to current City Standards. In addition, affected driveways are required to be replaced to current standards. The designer shall verify the concrete replacement in Design and make a final determination.

This project is affected by a Summer Beach Moratorium between Memorial Day and Labor Day. The water body nearby is the Americas Cup Harbor of North San Diego Bay, which has a summer beach moratorium along its perimeter. This moratorium includes the intersection of Scott St. and Ingelow St.

This work includes furnishing all design, labor, materials, equipment, services, and other incidental design, works and appurtenances for the construction of the Project as described in the bridging documents. Project scope also includes street restoration.

2. SCOPE OF WORK:

- 2.1.** The Work and Services required of the Design-Builder include those during design and construction of the Project. The Design-Builder shall provide all management, supervision, labor, services, equipment, tools, supplies, temporary facilities, and any other item of every kind and description required for the complete design and construction of the Project.
- 2.2.** The Design-Builder shall be responsible for performing and completing, and for causing all Sub-consultants/Subcontractors to perform and complete the design and construction of the Project as set forth in the Contract Documents.
- 2.3.** The Design-Builder shall provide all Work and Services required by the Contract Documents, including those described as "if required," "if directed," "potential," "optional," "may," or similar adjectives and phrases. This work falls under the appropriate proposal items.
- 2.4.** The Design-Builder covenants that the Services shall meet the performance expectations of the City as described in this Scope. The Design-Builder shall be responsible for achieving Completion of the Project as set forth in the Project Schedule, as the same may be extended from time to time pursuant to the provisions of the Contract.
- 2.5.** The submission of a Proposal shall be conclusive evidence that the Design-Builder 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, the local conditions under which the Work is to be performed, and as to the requirements of the Proposal Documents, Plans, and Specifications.
- 2.6.** As the Engineer of Work, the Design-Builder shall refer to the City's preliminary design information for the purpose of preparing a set of Plans and Specifications for the construction.
- 2.7.** The Scope of Work and Services [Scope] shall also include but is not limited to the following:
 - 2.7.1** Conducting investigations and as-built research needed for the completion of design work;
 - 2.7.2** Preparing and completing 30%, 60%, 100%, and Final design drawings. The Design-Builder is solely responsible for the preparation and completion of design plans for construction;
 - 2.7.3** Obtaining plan check approvals; and providing engineering services during construction, startup, and testing and approval from Department of Public Health for water and sewer separation;
 - 2.7.4** Construction, rehabilitation and point repair of sewer mains, services, and appurtenances including all work associated;
 - 2.7.5** Construction of water mains, services, and appurtenances including all work associated;
 - 2.7.6** Value engineering;

- 2.7.7** Additional geotechnical investigation and potholing;
- 2.7.8** Performance and implementation of QA/QC;
- 2.7.9** Landscaping and re-vegetation plan, if required;
- 2.7.10** Traffic control, striping, storm water permitting and compliance; Concrete road shall be restored beyond the edge of the trench cut to the nearest expansion, cold joint, or construction joint. Surface restoration for each phase of the project shall occur at the completion of construction for that phase and not at the end of construction of all phases;
- 2.7.11** Coordinating with the City Project and Construction Managers and other utility owners/contractors; Coordinate utility relocations with utility owners; and
- 2.7.12** Scheduling, community outreach and public relations, and preparation of as-built drawings and mylars.
- 2.8.** The Design-Builder shall use CADD in compliance with the City's "Consultant Standards for Preparation of PS&E."
- 2.9.** The Design-Builder shall use the Primavera Project Management and Scheduling Software or equal. The Design-Builder shall submit and maintain a task oriented computerized schedule for completing the Work over the life of the Project in accordance with Section 6-1 of the GREENBOOK, "CONSTRUCTION SCHEDULE AND COMMENCEMENT OF THE WORK."
- 2.10.** As required by California Government Code section 830.6, prior to construction, the design (including changes) for the Project and/or any portion thereof shall be approved by the Engineer.
- 2.11.** If applicable, Caltrans Permit acquisition.
- 2.12.** Permit to work on private property acquisition and coordination with School district.
- 2.13.** If applicable, lateral replumb agreements acquisition
- 2.14.** If applicable, replumb investigations.

3. CITY SERVICES:

- 3.1.** The City will provide only the services listed in this section. All other services necessary for complete design and construction of the Project shall be provided by Design-Builder.
 - 3.1.1.** Project Management and Administration. The City will respond to Design-Builder's written questions regarding Project definition and scope within 15 Working Days of receipt.
 - 3.1.2.** Submittal Review and Approval. The City will review each submittal within 30 Working Days of receipt.
 - 3.1.3.** Construction inspection, administration, and material testing.
 - 3.1.4.** Plan checking fees.
 - 3.1.5.** One-time orientation on the use of the Engineering and Capital Projects Department's GIS and other databases that the City makes available to the Design-Builder.

- 3.1.6. Easement Acquisition & Vacation, including right-of-way drawings.
- 3.1.7. Permit fees
- 3.1.8. Survey Monument Preservation and Perpetuation

4. CITY PROVIDED INFORMATION:

- 4.1. The City will provide the following information to Design-Builder. The City does not guarantee the accuracy of this information. The Design-Builder shall conduct further research as necessary to verify the information.
 - 4.1.1. Access to existing topographic maps, San Diego Geographical Information Source (SanGIS) Maps, and electronic files in the possession of the Transportation and Utilities Engineering Division. The Design-Builder's expenses for copying will be reimbursed by City unless the copying was performed using City equipment and supplies.
 - 4.1.2. One time access to the CIP Tracking/SPLASH Database to identify existing and proposed Projects in surrounding areas and limited access, as determined by City, to City's on-line records on, maintenance sites, and recent sewer spills. The Design-Builder shall make arrangements with the Engineer or designee at least 1 week in advance to reserve the computer work station.
 - 4.1.3. City's QA/QC checklists.
 - 4.1.4. Access to Engineering and Capital Improvements Projects Department's on-line as-built drawings and available design survey information where available.
 - 4.1.5. Traffic Control development process.

5. REVIEW OF THE DESIGN-BUILDER'S DESIGN SUBMITTALS:

- 5.1. The Design-Builder shall allocate 30 Working Days for City to review and comment on each submittal and 2 weeks for the Design-Builder to respond and for final Working Days resolution of comments. To log and communicate the review comments, actions, and resolutions efficiently, the City intends to utilize a MS Excel spreadsheet to manage the design submittal comments for 30%, 60%, 100%, and Final Designs. The Design-Builder shall review and respond to City's comments in the format provided by City.

6. COMMUNITY INPUT:

- 6.1. The Design-Builder shall identify major community issues (e.g. access to the public facilities and businesses located within or near the Project area) and shall obtain and address community input. The Design-Builder shall attend at least 2 community presentation meetings of 2-4 hours each (usually scheduled prior to start of construction) and during construction as required by the City. The Design-Builder shall also prepare and receive City approval of hand-outs and displays for the community presentations. The Design-Builder shall prepare and implement a community relations plan as discussed later in Community Relations and Public Outreach Program section of this Scope. The Design-Builder shall also receive the Engineer's approval for night and after-hours work.

7. PHOTO LOG AND VIDEOTAPE:

7.1. The Design-Builder shall comprehensively photograph and videotape the Project Site before, during, and after construction of the Project. Prior to Acceptance, the Design-Builder shall prepare and submit the following items to City:

7.1.1. a still-photo log including the photographs taken; and

7.1.2. two copies of the Project CD in a form acceptable to City.

7.2. The Design-Builder shall request City's prior written approval for the use of digital photography and submit the relevant specifications for digital submittal with the request.

8. COORDINATION:

8.1. The Design-Builder shall coordinate design and construction requirements with governmental entities and agencies, private utilities, and all other parties either involved in infrastructure improvements or otherwise affected by the design and construction requirements.

9. EXISTING INFORMATION:

9.1. The City and the Design-Builder recognize that previous studies, designs and reports such as information provided in the Bridging Documents have developed a preliminary definition of the Project. However, these previous efforts have not resulted in a comprehensive and final Project definition. The Design-Builder shall verify all information provided to it by the City pertaining to the Bridging Documents, conceptual plans, Project Site's description, rights- of-way, easements, surveys, existing utilities, soils, hazardous wastes and geotechnical reports, etc., and shall verify the data and recommendations prior to including them into the Project design. The Design Builder shall perform the engineering tasks necessary to further refine and optimize the Project, utilizing as much previous work as possible, ultimately leading to authorization-to- proceed for Construction with Final Design.

10. REQUESTS FOR CLARIFICATIONS OR INFORMATION:

10.1. The Design-Builder shall submit all RFI's to the Engineer in writing. Oral communications shall not be relied upon unless confirmed in writing. RFI's shall be in a format acceptable to the Engineer, and, at a minimum, shall contain: the Project name and WBS number; the request date; the desired response date; a unique numeric request identifier; a title; a reference to the pertinent part of the Bridging Documents, the Design-Build Special Provisions, or other specific part of the Contract Documents; CPM activity number affected; the written request; the Design-Builder's proposed solution, if appropriate; attachments, if any; and the name, telephone number, e-mail address, and title of the request initiator.

11. SUBSTITUTIONS:

11.1. Prior to receipt of the final design, the City will consider written substitution requests from the Design-Builder for substitution of products or manufacturers, and construction methods (if specified). After the City receives the final design, substitution requests will be considered only in the case of unavailability of a product or other conditions beyond control of the Design-Builder. Design-Builder shall use Material Substitution request form as specified in Section 4-6 of the SSP.

- 11.2.** The Design-Builder shall have the full burden of demonstrating that the proposed substitution is equal to the specified manufacturer, product, or construction method. By the act of submitting a substitution request, the Design-Builder warrants that:
 - 11.2.1.** The Design-Builder has investigated the proposed substitution and has determined that it is equal to or superior in all respects to the specified manufacturer, product, or construction method.
 - 11.2.2.** The Design-Builder will provide the same or better guarantees or warranties for the proposed substitution as for the specified manufacturer, product, or construction method.
 - 11.2.3.** The Design-Builder waives all claims for additional costs or extensions of time related to the proposed substitution that subsequently may become apparent.
- 11.3.** The City will not accept a proposed substitution if any one of the following applies:
 - 11.3.1.** Acceptance will require changes in the design concept or a substantial revision of the Contract Documents.
 - 11.3.2.** Acceptance will delay completion of the Design-Builder's Work or Services or the work or services of other City contractors.
 - 11.3.3.** The Design-Builder does not specifically identify a substitution that appears on a Shop Drawing and/or does not submit a formal substitution request.
- 11.4.** The City will determine in its sole discretion whether the proposed substitute is equal to the specified manufacturer, product, or construction method. If the City determines that a proposed substitute is not equal to that specified, the Design-Builder shall provide the specified manufacturer, product, or construction method at no additional cost to the City or delay to the Project.
- 11.5.** The City will consider only one substitution request for each product.
- 11.6.** The Design-Builder shall submit a separate approved Shop Drawing for any proposed substitution that is accepted by the City. The City's acceptance of a substitution does not relieve the Design-Builder from the requirements for submission of Shop Drawings.

12. DESIGN CRITERIA AND PROCEDURE FOR REVIEW OF DESIGN MATERIALS:

- 12.1.** General - The design criteria presented herein shall apply to the design and new construction and replacement of sewer and water mains, site preparation, and restoration as outlined in the Bridging Documents. The Project shall be designed and constructed to provide a minimum service life of 50 years.

Construction of the Project shall cause minimum interruptions in existing sewer & water services. Changes to the Pre-design Report recommendations e.g., pre-design alignments, paving, and storm drain protection; and construction methods shall be made only if approved by the City.
- 12.2.** Design Responsibilities – The Design-Builder shall provide all Services for the Project. The Services shall include preparing the 30%, 60%, 100% and Final Design plans for the Project [Final Design], including all necessary design and/or Construction

Documents. The Services shall also include those required during construction, and Project Completion. The Services shall be performed in accordance with all Applicable Laws and City policies.

12.2.1. The Design-Builder shall provide complete design for all elements of the Project (as applicable) such as: civil, geotechnical, environmental and specialty consulting areas. Design-Builder shall evaluate alternative construction approaches to ensure economical designs which optimize constructability yet meet all requirements of this Contract, including all applicable laws and applicable architectural concepts, and conceptual designs.

12.2.2. The Design-Builder shall incorporate the requirements of permitting agencies as may become apparent in the course of Project design. The Design-Builder shall apply for and secure all permits and provide all necessary reports, studies, and support required to obtain the permits. Permit and utility fees, if any, will be paid by the City. In addition, the Design-Builder shall research and comply with all Air Pollution Control District and noise abatement requirements, along with any hazardous materials management requirements of NFPA, Cal-OSHA and the City Fire Department. The Design-Builder shall develop a Water Pollution Control Plan (WPCP) and a hazardous materials management plan, if required. If required, the Design-Builder shall incorporate appropriate facilities into the design.

12.2.3. With prior authorization from the Engineer, the Design-Builder shall provide additional geotechnical investigations and potholing to the extent the Design-Builder determines that they are necessary for Final Design.

13. SURVEYING:

13.1. The Design-Builder understands and agrees that any survey information provided by the City is preliminary in nature and may not have sufficient accuracy or scope to support Final Design. Should the Design-Builder require additional survey to complete Final Design, the Design-Builder will be required to perform additional survey.

13.2. Construction survey and any additional survey needed for design will be performed by the Design-Builder.

13.3. The City's Land Survey section will only perform Monument Preservation.

13.4. The additional needed survey (if needed) and construction survey that will be performed by Design-Builder must comply with the City's CADD standards 1.9, 1.9.2 and SSP Section 3-10, and must be submitted to SurveyReview@sandiego.gov. The Design-Builder information must be submitted to the City's survey section for archiving. The horizontal datum must be based on the NAD83, 1991.35 epoch per ROS 14492. The vertical datum must be based on NGVD 29 vertical datum per the City of San Diego Benchmark book. Working units must be US Survey Feet. Refer to the Bridging Documents in Attachment A for survey deliverables.

14. AS-BUILT INFORMATION:

14.1. The Design-Builder shall obtain and review record drawings and as-built information from available public records, maintenance records, and Average Daily Traffic (ADT) counts, etc. if needed in addition to the information in the Bridging Documents.

15. ENVIRONMENTAL AND PERMIT SUPPORT:

- 15.1.** This Scope is based on the Preliminary Environmental Assessment, which is included in the Bridging Documents. The Design-Builder shall identify all permits required for the Project as well as all requirements for those permits. All permits shall be acquired by the Design-Builder and the costs thereof paid by City. At the 60%, 100% and Final Design completion levels, the Design-Builder shall submit to City a written list of permits required for the Project. The Design-Builder shall identify all permitting agencies and authorities having jurisdiction. The Design-Builder shall prepare permit applications and submit the applications to the Engineer for review. The Design-Builder shall provide technical services as required by the permitting agencies during permit acquisition. The Design-Builder shall incorporate mitigation provisions and DSD review requirements, including the certified CEQA document into the Construction Documents. The Design-Builder shall identify and estimate quantities of BMP's to comply with SWPPP or WPCP requirements as applicable.
- 15.2.** In this project, there is a high probability of encountering groundwater and soil contamination on some of the excavation sites:
- Excavation at Ingelow and Scott Street has a high probability of encountering groundwater and soil contamination due to proximity of a LUST site and current fuel station.
 - The southeast portion of the excavation on Hugo Street may also be impacted.
 - The southeast edge of the excavation on Emerson Street, due to the hydrology in that area, has also a fair probability of being impacted by two LUST sites and contaminated groundwater.

16. OWNER/GOVERNMENTAL APPROVALS:

- 16.1.** The Design-Builder shall obtain all City and other jurisdictional agency approvals as required to implement the design and construction of the Project. The City received an environmental document for the Project. During the Final Design process, if the Design-Builder modifies the Project such that a revision of the environmental document is required, the Design-Builder shall be responsible for all work required for implementing a revision, including preparation of revised documentation and coordination with City staff. The Work shall not proceed on the Project until the environmental requirements are met to the satisfaction of the City. There shall be no additional time allowed in the contract for processing and approval of revised permit documents. The cost associated with implementing both the design and construction changes as a result of the Design-Builder modifications shall be the responsibility of the Design-Builder and will not be compensated by the City.

17. GEOTECHNICAL INVESTIGATION:

- 17.1.** The Design-Builder shall review any available geotechnical reports and provide the necessary geotechnical investigations and testing required to design and to construct the Project in accordance with the Contract requirements. The Design-Builder should consult with Environmental & Permitting Support (EPS) before any ground-disturbing activities related to geotechnical investigations and should also consult with EPS in case the borings impact archaeological locations.

18. CORROSION SURVEY REPORT:

- 18.1.** If applicable, the Design-Builder shall investigate the Project Site and provide a current "Corrosion Survey Report" for the water portion of the Project according to City standards and guidelines (refer to the Water CIP Guidelines, Book 1, Chapter 9, Corrosion Control).

19. POTHOLING:

- 19.1.** The Design-Builder shall have full responsibility for assessing, reviewing and verifying existing utility information and data. The Design-Builder shall excavate sufficient potholes to verify locations and elevations at utility crossings and existing piping to be removed or replaced in the Project. The Design-Builder shall immediately notify the City of any damage caused to the pipe during potholing activities.
- 19.2.** The Design-Builder shall provide all services related to the excavation and backfilling of potholes. Pothole excavations shall be in compliance with CAL-OSHA and City safety requirements, and any excavations left open shall be covered with steel plates.
- 19.3.** The Design-Builder shall restore and clean-up all work sites.
- 19.4.** All utility excavations shall be tied to the horizontal and vertical control information provided by the Design-Builder's survey for this Project. The Design-Builder shall provide the City with a summary which shall include:
- 19.4.1.** Utility.
 - 19.4.2.** Conduit quantity, type, and size.
 - 19.4.3.** Depth to top of conduit.
 - 19.4.4.** Horizontal coordinates (NAD 83).
 - 19.4.5.** Surface elevation (M.S.L).
 - 19.4.6.** Top elevation of conduit.
- 19.5.** At the completion of examining each pothole, the Design-Builder shall:
- 19.5.1.** Replace the pipe bedding which was removed. Tamp and compact to provide suitable support for the pipe.
 - 19.5.2.** Backfill and cover the pipe with native soil.
 - 19.5.3.** For those pothole excavations located in the roadway, street restoration shall comply with the City of San Diego Standard Drawings.
- 19.6.** The Design-Builder shall provide construction staging, noise and dust control, and traffic control as required during excavation for potholing to minimize impacts on local neighborhoods.
- 19.7.** The Design-Builder shall restore to their in-kind condition, as determined by City, all streets, curbs, gutters, sidewalks, private properties and other improvements damaged as a result of the Design-Builder's activities.
- 19.8.** The Design-Builder shall submit potholing information to the Engineer for review.
- 19.9.** The Design-Builder shall not perform any additional potholing unless authorized in writing by the City.

20. RESURFACING TREATMENT:

20.1 The Design-Builder shall provide applicable resurfacing treatments for all areas of trenching, in accordance with the August 8, 2023 Street Preservation Ordinance (O-21701) and the City Engineer's Clarifying Requirements for Asphalt Concrete and Concrete Street Excavation Requirements in Public Right-of-Way dated November 30, 2023. For Asphalt Concrete Streets, the Design-Builder shall include the cost to resurface the influence area **as part of the Contract Price**. Concrete Streets and Alleys shall be restored beyond the edge of trench cut to the nearest expansion cold joint and **shall be included in the Proposal Price**. For Asphalt Concrete Streets, resurfacing and preparatory work outside the influence area shall not be included in the Contract Price. Resurfacing bid items have been included as a bid alternate to resurface the area outside the influence area for Ingelow Street from Scotts St to Rosecrans St and Hugo St from Plum St to End. These bid items are not included in the Lump Sum values for Construction provided in the bid list. Resurfacing limit exhibits for these three street segments have been included in the Bridging documents.

21. REVIEW OF CONTRACT DOCUMENTS AND FIELD CONDITIONS:

21.1. The Design-Builder shall conduct field investigations, including potholing of underground facilities, take field measurements, and verify field conditions. The Design-Builder shall carefully compare such field conditions and other information known to the Design-Builder with the Contract Documents before commencing Work and/or Services. The Design-Builder is solely responsible for investigation and discovery of all field conditions notwithstanding any information provided by City in the Contract Documents or otherwise. City has made an effort to eliminate errors, omissions, and inconsistencies in the Contract Documents. The Design-Builder, however, shall bring to City's attention for clarification any errors, omissions, or inconsistencies prior to submission of the Design-Builder's Proposal. Otherwise, the Design-Builder shall take responsibility for any costs or delays associated with such error, omission, or inconsistency.

22. LOCAL CONDITIONS:

22.1. The Design-Builder shall take steps reasonably necessary to ascertain the nature and location of the Work, and investigate and satisfy itself as to the general and local conditions that are applicable to the Work, including but not limited to:

22.1.1. Conditions bearing on transportation, disposal, handling, and storage of materials;

22.1.2. The availability of labor, materials, water, power, and roads;

22.1.3. Weather conditions;

22.1.4. Physical conditions at the Project Site;

22.1.5. The surface conditions of the ground; and

22.1.6. The character of equipment and facilities needed prior to and during the performance of the Work.

23. ACCESS TO THE WORK:

- 23.1.** The Design-Builder shall provide the City and utility owners with access to the Project Site and provide coordination and time for utility work to be accomplished at all times.

24. SUPERVISION:

- 24.1.** The Design-Builder shall supervise and direct the Work in accordance with accepted standards of professional skill and attention. The Design-Builder shall be solely responsible for and have control over design and construction means, methods, techniques, sequences, and procedures. The Design-Builder shall not be relieved of obligations to perform the Work in accordance with the Contract Documents by tests, inspections, acceptances, or approvals required or performed by persons other than The Design-Builder. The Design-Builder shall employ a competent superintendent and a necessary assistant who shall be present at the Project Site at all times that Work is being performed. The superintendent shall represent the Design-Builder, and communications given to the superintendent shall be as binding as if given to the Design-Builder.

25. AUTHORIZATION TO PROCEED:

- 25.1.** Following each design review, the Design-Builder shall meet with the Engineer to:
- 25.1.1.** Discuss the comments and responses, and to resolve all open issues and disagreements;
 - 25.1.2.** Confirm the next level of design development; and
 - 25.1.3.** Obtain written authorization to proceed with the next design level; and
 - 25.1.4.** Obtain written authorization to proceed with construction.

26. DESIGN CALCULATIONS:

- 26.1.** The Design-Builder shall include design calculations, catalog cuts, computations, telephone and facsimile records, and other similar documents supporting all elements of the Design-Builder's design with the Design- Builder's final signed and stamped calculations. The Design-Builder shall provide catalog cuts and manufacturer's data included with the final Project calculations for each approved material listed in the specifications or identified on the drawings

27. PLAN CHECKS - AT MAJOR COMPLETION LEVELS, DESIGN:

- 27.1.** The Design-Builder shall submit written estimates of plan checks required to complete the Project. In the written estimates, the Design-Builder shall:
- 27.1.1.** Identify all authorities having jurisdiction, including but not limited to the City Planning Division, Development Services Department, the City Traffic Section of Construction Management and Field Services, and other utilities. City will prepare plan check applications and submit the applications to the authorities having jurisdiction. Payment for plan check applications shall be made by City.
 - 27.1.2.** Submit hard and electronic copies of written design submittal comments from City and other utilities or agencies, annotated to indicate the Design-Builder's responses, final disposition of comments, and incorporate into the Final Design documents.

28. SHOP DRAWINGS, MATERIAL SUBMITTALS AND SAMPLES:

- 28.1.** The Design-Builder, as the Engineer of Record, shall review and approve Shop Drawings, Material Submittals and Samples prior to procurement.
- 28.2.** The Design-Builder shall determine and verify all of the following prior to procurement:
 - 28.2.1.** Field measurements, quantities, dimensions, specified performance criteria, installation requirements, materials, catalog numbers, and similar information with respect thereto.
 - 28.2.2.** Products with respect to intended use, fabrication, shipping, handling, storage, assembly, and installation pertaining to the performance of the Work.
 - 28.2.3.** Information relative to the Design-Builder's sole responsibilities in respect of means, methods, techniques, sequences, and procedures of construction, and safety precautions and programs incident thereto.
- 28.3.** Prior to approving Shop Drawings, Material Submittals or Samples, the Design-Builder shall review and coordinate each Shop Drawing, Material Submittals or Sample with other Shop Drawings, Material Submittals and Samples, and with the requirements of the Work and Contract Documents.
- 28.4.** The Design-Builder shall carefully review Shop Drawings, Material Submittals and Samples and shall date, sign, and certify each submittal as being correct and in strict conformance with the Contract Documents. In the case of Shop Drawings, each sheet shall be so dated, signed, and certified. The Engineer will require 3 copies of approved submittals prior to procurement for QA/QC purposes and will not accept any submittals which have not been certified by the Design-Builder to be in compliance with the Contract requirements, and will return any non-certified submittals to the Design-Builder. Any delays caused by the Design-Builder's failure to so certify shall be the total responsibility of the Design-Builder.
- 28.5.** With each submittal, the Design-Builder shall give the Engineer separate specific written notice of any variations between the Shop Drawing, Material Submittals or Sample submitted and the requirements of the Contract Documents. Additionally, the Design-Builder shall include a specific notation for City's acceptance of each such variation on each Shop Drawing, Material Submittals and Sample submitted.
- 28.6.** City's acceptance of Shop Drawings, Material Submittals and Samples shall be for the sole purpose of determining whether the Shop Drawings, Material Submittals and Samples will, after installation or incorporation into the Work, conform to the Contract Documents and be compatible with the design concept of the completed Project as a functioning whole.
 - 28.6.1.** City's acceptance shall not extend to means, methods, techniques, sequences, or procedures of construction, except where a particular means, method, technique, sequence, or procedure of construction is specifically and expressly called for by the Contract Documents.
 - 28.6.2.** City's review and acceptance of a separate item as such shall not indicate approval of the assembly in which the item functions.

- 28.6.3.** City's review of Shop Drawings shall not relieve Design-Builder of the entire responsibility for the correctness of details and dimensions. The Design-Builder shall assume all responsibility and risk for any misfits and/or malfunctions due to any errors in the Design-Builder's submittals. Design-Builder shall be responsible for the dimensions and the design of adequate connections and details.
- 28.7.** City's acceptance of Shop Drawings, Material Submittals or Samples shall not relieve the Design-Builder from responsibility for variations from the requirements of the Contract Documents, unless:
- 28.7.1.** The Design-Builder in writing called attention to each such variation at the time of submission of the Shop Drawing, Material Submittals or Sample; and
- 28.7.2.** City has specifically accepted in writing, either on the Shop Drawing or accompanying the Sample or Material Submittal each such variation.
- 28.8.** The Design-Builder shall be solely responsible for any costs arising from the Design-Builder's failure to submit and/or receive City's acceptance of a Shop Drawing, Material Submittal or Sample as required by the Contract Documents or the City-accepted schedule of Shop Drawings and Sample submissions.
- 28.9.** Shop Drawing Submittal Procedures:
- 28.9.1.** The Design-Builder shall submit 3 copies of each approved Shop Drawing to the Engineer for QA/QC purposes.
- 28.9.2.** The Design-Builder shall use a separate transmittal form for each specific item or class of material or equipment for which a submittal is required. The Design-Builder may use a single transmittal form for multiple items only when the items taken together constitute a manufacturer's "package" or are so functionally related that expediency indicates review of the group or package as a whole. The Design-Builder shall collate a multiple-page submittal into sets, and each set shall be stapled or bound, as appropriate, prior to transmittal to the Engineer.
- 28.9.3.** The Design-Builder shall use a Project-standard transmittal form accepted by the Engineer. The transmittal form shall identify the Design-Builder and include the date of the submittal, the information prescribed by the form, and a unique sequential number in a format approved by the Engineer. If applicable, the Design-Builder shall process transmittal forms to record actions regarding sample installations.
- 28.9.4.** For each submittal and using a label and/or a rubber stamp, the Design-Builder shall include the following information in the same or a substantially similar form:

Submittal No.
Contract No.
Project Name:

Name of Design Builder:
Reviewed and Approved for Conformance with the Contract Documents: Printed Name: By: (Signature)
Reference Drawing Sheet Nos:
Reference Spec Section Nos:

28.9.5. The Engineer will return at least one copy of each submittal with City's written comments to the Design-Builder within 40 Working Days following receipt of the submittal by the Engineer. If the Design-Builder fails to provide a complete and acceptable first re-submittal, as determined by the Engineer, City may deduct from the Contract Price the costs of City review beyond the first re-submittal.

28.9.6. Corrections indicated on submittals shall be considered as changes necessary to meet the requirements of the Contract Documents and shall not be taken as the basis for changes to the Contract requirements. City shall not be liable for any costs associated with fabrication or manufacture of an item that occurs prior to City's acceptance of the associated shop drawing submittal.

28.9.7. The Design-Builder shall maintain an accurate submittal log. The log shall show the current status of submittals and the Design-Builder shall make the submittal log available for City's review upon request.

28.9.8. Submittal Format for Shop Drawings:

1. For Shop Drawings presented on sheets larger than 11 by 17 inches, the Design-Builder shall include on each drawing the drawing title, number, date, and revision numbers and dates.
2. For Shop Drawings presented on sheets 11 by 17 inches or less, the Design-Builder shall conform to the format and quantity requirements for product data, and present the Shop Drawings as a part of the bound volume for the submittals required by this Section.
3. Except for diagrams and schematic drawings, Design-Builder shall prepare dimensioned drawings to scale. The Design-Builder shall identify materials and products for work shown.
4. The Design-Builder's Shop Drawings shall be not less than 8½ by 11 inches nor more than 30 by 42 inches.
5. The Design-Builder shall submit detailed drawings and descriptions of proposed deviations from details or component arrangement indicated on the Shop Drawings.

6. The Design-Builder shall provide finished drawings for City review indicating proposed installation of Work, and materials and equipment being furnished.
7. City will not accept Shop Drawings that are either:
 - i) Copies of plans; or
 - ii) Materials or equipment identified solely by catalog numbers.
8. To enable City's acceptance, the Design-Builder shall ensure that the data shown on Shop Drawings is complete with respect to dimensions, design criteria, material of construction, and other detail. Incomplete submittals will be rejected.

28.9.9. Submittal Format for Product Data:

1. The Design-Builder shall present product data submittals for each specification section as a complete, bound volume, including a table of contents that lists page and catalog item numbers for product data.
2. The Design-Builder shall clearly indicate each product that is being proposed for use by inserting a stamped arrow, cloud, or other prominent notation that identifies the pertinent specification section and paragraph numbers. City will reject product data submittals that are not clearly marked.
3. If product data satisfying submittal requirements does not exist, the Design-Builder shall create and submit to City the required product data, including a notation that the product data was created specifically for the Project.
4. The Design-Builder shall furnish to City catalog data that describes in detail the products being furnished and enables the Engineer to determine that the products submitted conform to the requirements of the Contract Documents.
5. If more than one style, size, capacity, etc. of a product appears on a sheet, the Design-Builder shall clearly indicate exactly which product type is being submitted for approval. City will reject any submittal that fails to conform with this requirement
6. The Design-Builder shall ensure that the catalog data identifies the manufacturer of the product.

28.9.10. Submittal Format for Samples: The Design-Builder shall label or tag each sample, identifying the specification Section number, manufacturer's name and address, brand name, product identification number, and intended use in the Work.

29. DESIGN DEVELOPMENT:

- 29.1.** The Design-Builder shall design the Project in compliance with all applicable laws, City and other local, state, and federal standards, and applicable industry standards and codes, including but not limited to those specifically set forth in the Contract

Documents, the Municipal Sewer Approved Materials List, the Approved Materials List for Water, City noise and air pollution emissions regulations, applicable hazardous material handling and disposal regulations, the City's policies, and all other Reference Specifications approved by City at the time of Award.

- 29.2.** The Design-Builder shall prepare and submit design packages for review and acceptance by City in accordance with City's guidelines and the Project Schedule. The Design-Builder's use of City's guidelines shall not reduce, change, mitigate, or absolve the Design-Builder's responsibility for the Project design in any way. The Design-Builder's acts of stamping and signing the drawings, specifications, calculations, or other final design documents shall mean that the Design-Builder understands, accepts, and approves all measures contained in or implied by City's guidelines.
- 29.3.** The Design-Builder shall use the Bridging Documents as the starting point for Project design. The Final Design shall be based on the concepts in these documents. The Design-Builder shall review the Bridging Documents and verify the data and recommendations (i.e., proposed alignments and conceptual plans) prior to including them in the Project design. The Design-Builder shall perform the engineering tasks necessary to refine and optimize the Project, including but not limited to reevaluation and necessary modification of questionable/pending proposed alignments contained in the Bridging Documents.
- 29.4.** The Design-Builder shall submit the Final Design documents to the Engineer. In addition to the deliverables specified in subsection 31.7., the Final Design documents shall also include but not be limited to:
 - 29.4.1.** One complete set of full sized (24-inch x 36-inch) original mylar final drawing plots, each stamped and wet signed by qualified responsible engineers registered in the state of California. Applicable portions of the drawing title blocks shall also be signed by the Design-Builder.
 - 29.4.2.** Two complete electronic file sets of all final drawings on CD-Rewritable (RW) recordable disks in Bentley Connect ORD 10.12 Version with the ability to convert to AutoCAD by request of the City at no additional cost.
 - 29.4.3.** One PDF of final specifications, stamped and signed by a qualified responsible engineer registered in the state of California.
 - 29.4.4.** Two complete electronic file sets of the final specifications in MS Word processing software format.
 - 29.4.5.** One complete set of engineering calculations and quantity take-offs, including hydraulic, calculations, each wet stamped and signed by qualified responsible engineers registered in the state of California. All elements of the Final Design presented shall be supported by calculations. All computer programs used in development of Project calculations shall be Windows compatible. Catalog cuts and manufacturer's data shall be provided for each approved material listed in the specifications or identified on the drawings, and shall be included with the final Project calculations.
 - 29.4.6.** A written list of required Shop Drawings (construction submittals) and Samples and an electronic file of the list on a recordable CD-RW in the latest version of MS Word processing software.

- 29.4.7.** Other reports and documents as may be required by City.
- 29.5.** Procedures and time allowances for City's review of the design submittal, response by the Design-Builder to City's comments, and obtaining City's authorization to proceed to the next level of design shall be as stated in this Scope and the Project Schedule.
- 29.6.** In coordination with Traffic Section of Construction Management and Field Services, Caltrans, and MTS, the Design-Builder shall develop a traffic control plan and local access management plan that minimizes environmental and traffic impacts, including noise impacts, to residences, businesses, and institutions. The final traffic control plan must be approved by City's Traffic Section of Construction Management and Field Services. The Design-Builder shall maintain an appropriate level of access and site security at all Project facilities to avoid significant impacts to the public.
- 29.6.1.** The Design-Builder shall prepare a preliminary traffic control approach for City's review and approval prior to preparation of traffic control plans.
- 29.6.2.** The Design-Builder shall complete and update a Traffic Control Plan Information Sheet available from the City.
- 29.6.3.** The Design-Builder shall include Typical Cross Sections on traffic control plans identifying the construction work areas if required by Traffic Engineering.
- 29.6.4.** The Design-Builder shall address and include in the traffic control plans and specifications coordination of traffic control among adjacent Projects during construction.
- 29.6.5.** The Design-Builder shall obtain approval for traffic control plans.
- 29.7.** The Design-Builder shall provide designs for the relocation of public or private utilities which must be constructed or relocated as a result of the Project.
- 29.8.** The Design-Builder's design shall comply with the ADA and Title 24. Two curb ramps per curb return shall be evaluated; if technically infeasible, a blended transition or diagonal curb ramp shall be proposed. Where it is technically infeasible to meet any requirements from the City Standards, a Deviation From Standards Form shall be prepared.
- 29.9.** The Design-Builder shall prepare and incorporate into the specifications, a Water Pollution Control Plan WPCP to be implemented during construction. The WPCP shall comply with the City of San Diego Standards.
- 29.10.** The Design-Builder shall prepare a construction quantity takeoff at 60%, 100% and Final submittals.
- 29.11.** The Design-Builder shall revise plans and specifications to incorporate comments received from the City, City-wide plan check, Department of Public Health, and from the permitting agencies, and existing outside dry utilities companies.
- 30. STORM WATER MANAGEMENT DISCHARGE CONTROL.**
- 30.1.** The Design-Builder shall comply with Chapter 4, Article 3, Division 3 of the San Diego Municipal Code, Storm Water Management Discharge Control and the Municipal Storm Water Permit (MS4) Permit, California Regional Water Quality Control Board Order No. R9-2013-0001 (amended by R9-2015-0001 and R9-2015-0100), Storm Water Standards Manual, as amended from time to time, and any and all Best Management Practice

(BMP) guidelines and pollution elimination requirements as may be established by the Enforcement Official. Design-Builder warrants and certifies that any and all plans, reports, and specifications prepared for the City in accordance with this agreement shall meet all requirements of the San Diego Municipal Code and Storm Water Standards Manual. Design-Builder understands that while the City will be reviewing Design-Builder's designs for storm water permit compliance prior to acceptance of Design-Builder's designs, Design-Builder understands and agrees that the City's Storm Water review process and its acceptance of Design-Builder's designs in no way limits the Design-Builder's obligations under this agreement to prepare designs that comply with all requirements of the San Diego Municipal Code and MS4 Permit.

- 30.2.** The Design-Builder shall review the completed Storm Water Applicability Checklist (DS-560) to confirm the project's appropriate storm water requirements. For all applicable projects, and to the maximum extent practicable, the Design-Builder shall incorporate and include Source Control and Low Impact Development (LID) design features or Site Design BMPs on the construction plans. In addition, for Priority Development projects, the Design-Builder shall prepare a Storm Water Quality Management Plan in accordance with the requirements of the Storm Water Standards Manual and prepare a BMP plan showing all permanent BMPs, LID designs, hydromodification management plan facilities, and include sufficient details and cross sections for construction.
- 30.3.** Design-Builder shall attend the Pre-construction meeting. The Engineer will coordinate with the Design-Builder on the inspection of the permanent BMP(s) during installation, if applicable. Design-Builder shall inspect and confirm that the permanent BMP was installed in accordance with the details on the plans and that the permanent BMP functions to meet the requirements of the MS4 Permit, if applicable. Upon notification by the Engineer, the Design-Builder shall sign and stamp the Permanent BMP Self Certification on the plans or the Permanent BMP Self Certification Form (DS-563) prior to final acceptance by the City, if applicable.
- 30.4.** For projects requiring soil-disturbance work such as geotechnical borings, street coring and potholing as component of the design, the Design-Builder shall complete a Minor Water Pollution Control Plan (DS-570), if applicable.

31. DESIGN SUBMITTALS:

- 31.1.** General: The Design-Builder shall ensure that all design submittals conform to the requirements described in this Section. City will reject any submittal that fails to meet the requirements described in this Scope and elsewhere in the Contract. City shall not grant a schedule adjustment for the Design-Builder's failure to meet these requirements. In each submittal the Design-Builder shall identify any variances from the Contract Documents. City may reject any design submittal for the Design-Builder's failure to identify variances, regardless of the timing of the discovery of the failure. The Design-Builder shall respond in writing to all City comments on each design submittal within 10 Working Days of the date of transmittal of the comments. The Design-Builder shall submit a completed QA/QC checklist at each design submittal.

- 31.2.** 30 percent design Submittal - The 30 percent design submittal shall include but not be limited to:
- 31.2.1.** Designs for construction of new facilities and for refurbishment and demolition of existing facilities.
 - 31.2.2.** Incorporation of the information contained in the Bridging Documents.
 - 31.2.3.** Reviewed preliminary calculations and hydraulic calculations.
 - 31.2.4.** Drawings that shall include at a minimum:
 - 1. Title sheet with general notes, vicinity map, key map, and legend.
 - 2. Preliminary list of construction drawings on cover sheet.
 - 3. Locations of existing public and private utilities within the Project area on plan and profile.
 - 4. Preliminary site plan including construction staging areas (if applicable)
 - 5. Other drawings, as applicable to show information from pre- design maps.
 - 6. List of special conditions, if any
 - 7. Drawings shall show all existing topographic and utility information and the horizontal alignment of proposed pipeline improvements with sizes.
 - 8. Traffic control concept plans (traffic control approach) if applicable.
 - 9. Specification table of contents prepared in The GREENBOOK format.
 - 31.2.5.** Location of existing facilities, utilities, and all other existing conditions both horizontally and vertically.
 - 31.2.6.** Horizontal pipeline alignment.
 - 31.2.7.** Compliance with the City's 30% QA/QC checklist.
- 31.3.** 60 percent design Submittal - The 60 percent design submittal shall include but not be limited to:
- 31.3.1.** Designs for construction of new facilities and for refurbishment and demolition of existing facilities.
 - 31.3.2.** Updated and incorporated information and comments from the 30 percent design submittal.
 - 31.3.3.** Completed and reviewed calculations, hydraulic calculations, calculations for horizontal and vertical control for pipeline alignment, and backfill and bedding design.
 - 31.3.4.** Location of construction staging areas (if applicable).
 - 31.3.5.** A written list of permits required for the Project, identifying all permitting agencies and authorities having jurisdiction.
 - 31.3.6.** Compliance with the City's 60% QA/QC checklist.

- 31.4.** Drawings that shall include at a minimum:
- 31.4.1.** Updated plan and profile sheets for the sewer and water improvements, and construction details and notes.
 - 31.4.2.** Identification of both special and standard details.
 - 31.4.3.** A complete list of construction drawings on cover sheet.
 - 31.4.4.** Definition of the construction method to be used for pipe installation.
 - 31.4.5.** A complete site plan including construction lay down areas, site grading, and erosion control, if applicable.
 - 31.4.6.** Other drawings such as paving, curb ramps, abandonment plans and traffic control plans as applicable.
 - 31.4.7.** Erosion control plan, storm water pollution prevention BMP's, landscaping plan, and habitat restoration, success criteria, long term maintenance, and conformance to the Multiple Habitat Planning Area land use adjacency guidelines as applicable.
 - 31.4.8.** List of special conditions, if any.
 - 31.4.9.** Compliance with the City's QA/QC checklist.
 - 31.4.10.** Quantity take-off per plan sheet.
 - 31.4.11.** A complete draft of specifications in The GREENBOOK format including:
 - 1. Table of contents.
 - 2. The Design-Build Special Provisions.
- 31.5.** 100 percent design Submittal - The 100 percent design submittal shall include but not be limited to:
- 31.5.1.** Designs for construction of new facilities, and refurbishment and demolition of existing facilities.
 - 31.5.2.** Updated and incorporated information and comments from the 60 percent design submittal.
 - 31.5.3.** Completed, reviewed, and bound calculations and hydraulic calculations.
 - 31.5.4.** Updates to geotechnical report, if any.
 - 31.5.5.** Permit applications as necessary.
 - 31.5.6.** Completed specifications in The GREENBOOK format.
 - 31.5.7.** Quantity take-off.
 - 31.5.8.** Drawings in all disciplines, including final and traffic control plans approved by City, if any.
 - 31.5.9.** A current written list of permits including environmental permits required for the Project, identifying all permitting agencies and authorities having jurisdiction, and status and copies of permit approvals.
 - 31.5.10.** Compliance with the City's 100% QA/QC checklist.

31.6. Final Design Submittal - The Design-Builder shall submit a pre-Final Design to the Engineer, which shall include but not be limited to:

31.6.1. Updated and incorporated information and comments from the 100 percent design Submittal.

31.6.2. Comments from permitting agencies, including a log of comments and responses.

31.6.3. A current written list of permits including environmental permits required for the Project, identifying all permitting agencies and authorities having jurisdiction, and status and copies of permit approvals.

31.6.4. City will review the Pre-Final Design and return comments to the Design-Builder. The Design-Builder shall, within 20 Working Days of receipt of City's comments, submit a Final (100%) Design to the Engineer, which shall include but not be limited to:

1. Updated and incorporated comments from the Pre-Final Design Submittal.
2. Final drawings and calculations must be stamped and signed by a professional engineer. Also, the City requires the original wet-signed mylars be held in City files as legal records of the Project.

31.6.5. Final design drawings for construction of new facilities, and refurbishment and demolition of existing facilities.

31.7. Design Submittal Deliverables:

31.7.1. The Design City Engineer in the form of 7 sets of full sized (24-inch x 36-inch) drawing prints and a PDF of the final drawings, specifications, and cost estimate.

1. Drawing format shall conform to the City of San Diego CADD Standards and City provided "T" files. The standard scales are 1"=40' for plans and 1"=4' for profiles.
2. Drawings shall show all existing topographic and utility information and the horizontal alignment of proposed pipeline improvements.

31.7.2. The Design-Builder shall deliver the pre-Final Design to the Engineer in the form of 7 sets of full sized (24-inch x 36-inch) drawing prints and a PDF of the plans, specifications, and estimate.

31.7.3. The Design-Builder shall submit all drawings in accordance with the City's CADD Standards. The Design-Builder shall attend a coordination/orientation meeting with City's E&CP CADD specialist to review and discuss City's CADD standards. The Engineer will arrange for the meeting upon The Design-Builder's request. The Design-Builder shall also submit the Electronic In-Roads ALG file with the ability to convert to AutoCAD. The Design-Builder shall number proposed alignment points on plan views using the automated process through In-Roads Software. The Design-Builder shall also generate the Horizontal Alignment Coordinate Index report through In-Roads and place it on the last sheet of the drawings.

31.7.4. The Design-Builder shall submit the Final Design documents to the Engineer, which shall include but not be limited to:

1. One complete set of full sized (24-inch x 36-inch) original mylar final drawing plots, each stamped and wet signed by The Design-Builder's qualified responsible engineers registered in the state of California. Applicable portions of the drawing title blocks shall also be signed by The Design-Builder.
2. Two complete electronic file sets of the final specifications, including all charts, graphs, tables, data sheets, and similar inserts required for a complete and approved copy suitable for printing.
3. Two complete electronic file sets of the final drawings.
4. Two complete electronic files of the final construction quantity takeoffs and cost estimate.
5. One complete set of engineering calculations, including hydraulic, mechanical, electrical, and structural calculations, each wet stamped and signed by the Design-Builder's qualified responsible engineers registered in the state of California. The Design-Builder shall support all elements of the design presented by calculations the Design-Builder shall use only Windows compatible computer programs for Project calculations.
6. Other documents as required elsewhere in this Scope or required by the Engineer.
7. The Design-Builder shall use the latest Sewer, Water, & Storm Drain QA/QC checklists as a minimum guide for preparation of the design drawings. The Design-Builder shall use MS Word format for all word processing.

31.8. The Design-Builder shall use MS Excel for all spreadsheets.

32. COMMUNITY RELATIONS AND PUBLIC OUTREACH PROGRAM:

32.1. The Design-Builder shall provide the necessary public information and outreach program for the Project. This program shall have an Exclusive Public Information Officer (PIO) who will serve as the community liaison. Refer to The WHITEBOOK, section 5-10 Community Outreach. The PIO shall work closely with the Communication Department's PIO section in the implementation of the public information and outreach program standards.

32.2. The Design-Builder shall identify, within 10 Working Days of NTP, a specific professional designated to be a full-time public information liaison for the design build team, who shall work cooperatively with, and provide assistance to, the City's team. The Design-Builder shall be available to respond to questions from the community as needed for the duration of the Project and, shall participate in related public meetings. The Design-Builder shall prepare and provide presentation materials to explain the Project at community meetings and presentations.

- 32.3.** The Design-Builder shall prepare a complete Community Relations Plan. The Community Relations Plan shall be developed in coordination with the City and presented to the City for review within 30 Working Days of Notice to Proceed. If modifications are required, the City will notify and advise the Design-Builder.
- 32.4.** The Key stakeholders are identified as (but not limited to) the public and the City of San Diego, Peninsula Community Planning Group, San Diego Unified School District, Dana Middle School, and Businesses, and MTS particularly along Rosecrans St. between Dickens St. and Ingelow St., City Council District 2. The Design-Builder shall coordinate all activity and Right of Entry permit with the proper school representative and residents.

For Unified School District coordination please contact, Sergio Salinas, Email: ssalinas@sandi.net

- 32.5.** The Community Relations Plan shall include the following scope and services but not limited to:
- 32.5.1.** A method for conveying Project information to the public. Provide residents with update Project information and background information about the Project. Information shall be updated weekly, bi-weekly, monthly, or quarterly.
- 32.5.2.** A method for construction notification in advance of the start of work.
- 32.5.3.** Attendance and presentation of Project update before and during construction of Projects at community and stakeholder Meetings. Prepare presentation materials in coordination with the City.
- 32.5.4.** Acquire necessary permits to perform work on private property and within Caltrans right of way.
- 32.5.5.** Develop written list of follow-up information requested from the community.
- 32.5.6.** Respond to telephone calls and e-mails. Standard telephone service and e-mail responses. Record calls and e-mails on electronic tracking form.
- 32.5.7.** E-mail record of call information to The Design-Builder/Project Team. E-mail updates to stakeholders, Community Groups, City Council and other interested parties.
- 32.5.8.** Create and maintain online Project webpage and newsletters.
- 32.5.9.** Write, edit, update and/or produce brochures, pamphlets and news releases.
- 32.5.10.** Attend progress meeting and provide status of community relations activities.
- 32.5.11.** The plan shall also include a listing of businesses, schools, and major facilities along the alignment which are expected to be impacted by the construction, and proposed mitigation measures to lessen construction impacts.

32.5.12. The plan shall specifically identify the lines of communication within the Design-Builder Team, between the Design-Builder Team and the City and between the Design-Builder's public information liaison and the City. The Design-Builder shall be responsible for ensuring that the information to be provided to the public is consistent, updated and accurate.

33. QUALITY ASSURANCE AND CONTROL:

33.1. The Design-Builder shall be completely and solely responsible for Project quality assurance and quality control. The minimum acceptable quality assurance and quality control plan is described in the Quality Assurance/Quality Control Plan Guidelines, attached hereto and incorporated herein as Attachment A, Section 32 – Quality Assurance / Quality Control Guidelines.

33.1.1. Design QA/QC - The Design-Builder shall be completely and solely responsible for Project quality assurance and quality control [QA/QC] during design.

33.1.2. Checklists - As part of the QA/QC Plan, The Design-Builder shall use the City-provided checklists and attach the checklists to the plans and specifications.

33.1.3. Final Design - The Design-Builder shall submit QA/QC records for the final specifications and drawings to verify coordination within the engineering discipline, between engineering disciplines, between the final specifications and drawings, and to verify consistency with existing City Projects.

33.1.4. Construction QA/QC - The Design-Builder shall be completely and solely responsible for Project QA/QC during construction.

34. QUALITY ASSURANCE / QUALITY CONTROL GUIDELINES:

34.1. General

34.1.1. The Design-Builder shall be completely and solely responsible for Project quality assurance and quality control, both during design and during construction. This Attachment outlines the minimum requirements for an acceptable quality assurance and quality control plan [QA/QC Plan]. The cost for the Design-Builder's QA/QC Plan and its implementation shall be included in the Design-Builder's Proposal.

34.1.2. The Design-Builder shall assign a QA/QC supervisor to ensure that all Work is performed in accordance with the Contract Documents, plans, specifications, manufacturers' instructions, Applicable Laws, and to acceptable industry standards.

34.1.3. The Engineer will monitor the Design-Builder's Work and Services and provide independent reviews as set forth in the Contract Documents. If City's review or inspection uncovers Work or Services that do not conform to the Contract Documents or Applicable laws, City may reject that Work and/or Services and The Design-Builder shall replace or correct any deficiency at no additional cost to City.

34.1.4. The concept of quality has evolved from conformance with specifications to meeting Owner requirements. The Design-Builder quality assurance and control has advanced from checking deliverables to multiple reviews,

evaluations, inspections, and tests, concurrent with the Engineering & Capital Projects Department reviews, oversight inspections, witnessing of tests, and similar quality assurance activities. Ultimately, the Design-Builder shall provide a facility that meets the requirements described in the Contract Documents.

- 34.1.5.** The Design-Builder shall respond to any QA/QC review comments by ensuring that the Design-Builder's staff considers the comments and notes the actions to be taken. The Design-Builder shall submit copies of the responses to the Engineer to indicate that the QA/QC review is complete and that the reviewers concur with the response.
- 34.1.6.** If the Design-Builder detects any impending deviations from the Scope, Project Schedule, or Project budget, the Design-Builder shall take appropriate action to correct such deviations or to obtain written approval from the Engineer if deviations cannot be avoided.
- 34.1.7.** The Design-Builder shall implement its QA/QC Plan that was submitted to City with The Design-Builder's RFP together with any revisions required by City, all of which are incorporated herein by this reference as though fully set forth herein.

34.2. QA/QC During Design

- 34.2.1.** This Section describes the mandatory QA/QC Plan philosophies and procedures that the Design-Builder shall follow during design of the Project.
- 34.2.2.** The Design-Builder is the engineer of record. City's review of Design-Builder's approved submittals is for the sole purpose of determining whether the submittals conform to the requirements of the Contract and to the Bridging Documents.
- 34.2.3.** The Design-Builder shall include in its Proposal all costs necessary to meet this requirement.
- 34.2.4.** The following quality objectives apply to the Project design:
 - 1. The Design-Builder shall design the Project facilities to meet the scope and objectives set forth in the Bridging Documents, which describe the Project facilities in moderate detail (layout, functions, etc.), thereby establishing the design requirements.

The Design-Builder shall design the Project facilities to conform to these requirements except as modified by changes approved by City during design.
 - 2. The Design-Builder shall design the Project facilities to conform to the requirements of the Contract Documents.
 - 3. The Design-Builder shall prepare the Construction Documents to the standards of best engineering practice for clarity, uniformity, accuracy, and completeness.
 - 4. The Design-Builder shall emphasize quality in the design and construction of the Project.

34.3. QA/QC Plan:

- 34.3.1.** Responsibilities: The Design-Builder shall ensure that all members of the Design-Builder's Project team (i.e., preparer, reviewer, checker, and approver) understand their responsibility for quality design.
- 34.3.2.** Design QA/QC Plan: The Design-Builder shall ensure that the design component of its QA/QC Plan includes a specific comprehensive approach to Project QA/QC Plan activities and requires documentation of the actual QA/QC Plan effort and related activities.
- 34.3.3.** Design Review: The Design-Builder shall address all plan check comments received from the City and implement its QA/QC plan prior to re-submittals to the City for review. The Design-Builder shall submit documentation of the QA/QC efforts and related activities as discussed in item 34.3.8 Review and Comment Form, below.
- 34.3.4.** Implementation: The Design-Builder shall be solely responsible for quality reviews and approval of its design work, and shall ensure that all design work is thoroughly checked, reviewed, and approved by qualified, experienced, knowledgeable personnel who were not involved in the original design work. The Design-Builder shall provide the following types of QA/QC design reviews:
- 34.3.5.** Calculations:
1. The Design-Builder shall ensure that calculation sheets are signed and dated by the personnel preparing, checking, reviewing, and approving the calculations. The Design-Builder shall index all original calculation sheets in file folders maintained in a single location so that all original calculations for the entire Project can be readily found. At the time the Final Design is accepted by City, The Design-Builder shall submit to the Engineer a legible copy of all calculations, organized in an easy to use indexed loose-leaf binder or in clearly identified file folders.
 2. The Design-Builder shall clearly identify any revisions to the calculations. The Design-Builder shall ensure that all revised calculations are checked, signed and cross-referenced to the original calculations.
- 34.3.6.** The Design-Builder's Interdisciplinary Progress Reviews: The Design-Builder shall ensure that interdisciplinary progress reviews are held at the 30%, 60%, 100%, Final Design phases and as specified in this RFP, and that the reviews include all completed calculations, drawings, and specifications. The level of detail expected for each discipline at each completion level is defined in this RFP. The Design-Builder shall ensure that all comments receive an agreed upon response and are recorded on The Design-Builder's Review and Comment Form (described in section 34.3.8. below). Design problems may arise from inconsistencies between disciplines. The Design-Builder shall assign one or more qualified engineers to perform detailed interdisciplinary reviews to ensure consistency between disciplines, and between drawings and the specifications.

34.3.7. The Design-Builder's Final Review: The Design-Builder shall conduct the final QA/QC review after all 100% review comments have been incorporated and before printing of the Final Design submittal begins. The Design-Builder's final QA/QC review shall confirm that all previous review comments have been incorporated.

34.3.8. Review and Comment Form: The Design-Builder shall establish and maintain Review and Comment Forms which shall contain the following information:

1. The name of the Project;
2. City's contract number;
3. The type of review being conducted;
4. The name/title of the document being reviewed;
5. Identification of the page, paragraph, or drawing being reviewed;
6. The reviewer's comments;
7. The designer's response to the reviewer's comments;
8. The agreed upon resolution with respect to the comments and response;
9. The reviewer's signature and date of review;
10. The designer's signature and date of response; and
11. The signature of the Design-Builder's Project manager and date of review.

34.3.9. The Design-Builder shall ensure that each reviewer's comments are constructive and professional in tone, and that the forms are complete and appropriately filed.

34.4. QA/QC During Construction

34.4.1. The Design-Builder shall ensure that all Work meets the quality required by the Contract Documents and shall perform the QA/QC efforts necessary to ensure those requirements are met. City's inspection of any Work will not relieve the Design-Builder of the primary responsibility for quality assurance and quality control.

34.4.2. The Design-Builder shall take the following measures to ensure that the Work is completed in accordance with the Contract Documents:

1. Certification by the designer that the submittals, materials, equipment, and Work all conform to the accepted design.
2. Certification by the vendors and suppliers that the products supplied conform to the Contract Documents, where applicable.
3. Photos and videos of the Work certified by the designer.
4. Any other measure designed to ensure that the Work is completed in accordance with the Contract Documents.

34.4.3. Specific QA/QC requirements for the Work are set forth throughout the Contract Documents. The requirements of this Section are primarily related to performance of the Work beyond the furnishing of manufactured products the

Design-Builder agrees that the term "Quality Control" as used herein includes inspection, sampling and testing, and associated requirements.

34.4.4. Factory Inspections and Tests:

1. The Design-Builder agrees that all products, materials, and equipment, shall be subject to inspections, tests, and witness tests by City at the place of manufacture or fabrication.
2. The Design-Builder agrees that City may, at its option, enter into separate contracts with consultants or others to conduct inspections, tests, and witness tests on behalf of City.
3. The Design-Builder agrees that the presence of City, its employees, agents, and/or representatives at inspections, tests, and/or witness tests shall not relieve the Design-Builder of the sole responsibility for providing products, materials, and equipment that comply with all requirements of the Contract Documents. The Design-Builder agrees that compliance is the responsibility of the Design-Builder and shall not be avoided by any act or omission on the part of City or its employees, agents, and/or representatives.
4. The Design-Builder shall provide City with 10 Working Days advance notice of any testing at the place of manufacture or fabrication. At City's option, City, its employees, agents, and/or representatives may conduct inspections and tests at the manufacturing place any time without advance notice to the Design-Builder.

34.4.5. Sampling and Testing:

1. Unless specifically provided otherwise in the Contract Documents, the Design-Builder shall conduct all sampling and testing in accordance with the methods prescribed in the current standards of the ASTM, as applicable to the class and nature of the material, product, or equipment being considered. However, City may accept any other generally- accepted system of sampling and testing that will ensure that the quality of the material, product, or equipment complies with the requirements of the Contract Documents. The Design-Builder shall obtain a Change Order from the Engineer prior to using any other generally accepted system of sampling and testing.
2. Any waiver by City of any specific testing or other QA/QC Plan measures shall not be binding on City except when formalized by a fully executed Change Order, regardless of whether the waiver is accompanied by a guarantee of substantial performance as a relief from the specified testing or other QA/QC requirements as originally specified, and of whether the guarantee is accompanied by a performance bond to assure execution of any necessary corrective or remedial work.
3. The City may inspect and make independent investigations and tests of the Work. The Design-Builder agrees that if any portion of the Work

fails to meet any of the requirements of the Contract Documents, City may require the Design-Builder to remove, correct, or reconstruct the Work in accordance with the Contract Documents.

34.4.6. Inspection and Testing Laboratory Service:

1. The City may require that Work located in the City right-of-way be tested by the City's testing laboratory. The Design-Builder shall coordinate with the Engineer to cause such tests to be performed.
2. Inspections, testing, and other services that are to be performed by the City, whether specified in the Contract Documents or required by the Engineer, will be performed by City's testing laboratory. The cost of these services will be paid for by City.
3. City's testing laboratory will submit reports in duplicate to the Engineer. The reports will document observations, results of tests, and compliance or non-compliance with the Contract Documents.
4. The Design-Builder shall cooperate with the Engineer and City's Testing Laboratory by furnishing samples of materials, concrete design mix, equipment, tools, and storage, and by providing other assistance as requested by City.
5. The Design-Builder shall notify the Engineer 48 hours prior to commencement of Work requiring inspection and laboratory testing services.
6. The Engineer will direct that any retesting required because of non-conformance to the Contract Documents be performed by the laboratory that performed the original test. Design-Builder shall bear all costs from any such retesting at no additional cost to City.
7. The Design-Builder shall be responsible for all tests required by the specifications or referenced codes and standards, unless specifically noted otherwise in the Contract Documents.

34.4.7. Special Inspection:

1. The Design-Builder shall provide all special inspections required by the California Building Code as currently adopted by City, including all inspections performed off the Project Site. The Design-Builder shall pay the cost of such inspections, and shall include the cost in DB's Proposal.

34.4.8. Installation:

1. Inspection: The Design-Builder shall inspect materials and/or equipment upon their arrival at the Project Site and immediately prior to installation. The Design-Builder shall reject damaged and defective materials and/or equipment. The Design-Builder's inspection shall include:
 - i) A review of the Contract requirements;

- ii) Verification that all materials and/or equipment have been tested, submitted, and approved;
 - iii) Examination of the Work area to ascertain that all preliminary Work has been completed;
 - iv) A physical examination of materials and/or equipment to ensure that they conform to the Design-Builder approved and City-accepted Shop Drawings or other submittal data;
 - v) Instruction as necessary to ensure that Design- Builder's workers understand the requirements of the Contract as they pertain to the materials and/or equipment;
 - vi) An examination of the quality of workmanship; and
 - vii) A review of control testing for compliance with the Contract requirements.
2. Measurements: The Design-Builder shall verify measurements and dimensions of the Work as an integral step of starting each installation. The Design-Builder shall be solely responsible for proper fit up and connection of components.
 3. Special Procedures: The Design-Builder shall provide methods and facilities to ensure conformance with requirements for special process specifications such as nondestructive testing of materials. The Design-Builder shall maintain certifications for personnel, procedures, and equipment as necessary to meet the requirements of the Contract Documents and all Applicable laws.
 4. Manufacturer's instructions: The Design-Builder shall comply with applicable manufacturer's instructions and recommendations for installation, if those instructions and recommendations are more explicit and/or more stringent than the requirements of the Contract Documents.
 5. Storage and care: If not immediately installed, the Design-Builder shall store and care for all materials and/or equipment delivered to the Project Site according to the manufacturer's recommendations.

34.4.9. Manufacturer's Field Installation Services and Reports:

1. When required by the specifications, the Design-Builder shall cause material or product suppliers or manufacturers to provide qualified personnel to:
 - a) Observe and evaluate:
 - (i) Project Site conditions;
 - (ii) Conditions of surfaces and installation;
 - (iii) Quality of workmanship;
 - (iv) Start-up of equipment; and
 - (v) Testing, adjusting, and balancing of equipment.

- b) Provide instructions when necessary.
- 2. The Design-Builder shall report in writing to the Engineer any observations and Project Site decisions or instructions given to the Design-Builder by a material or product supplier or manufacturer's personnel that are supplemental or contrary to the written instructions of the material or product supplier or manufacturer.
- 3. Within 10 Working Days of each field visit, The Design-Builder shall submit in duplicate to the Engineer for review and acceptance final reports from a material or product supplier or manufacturer's personnel. If the duration of the field visit is greater than 1 week, the Design-Builder shall submit weekly reports. Each final report shall certify that equipment or system has been satisfactorily installed and is functioning correctly.

34.4.10. Sample City QA/QC Checklists:

- 1. Sample City Checklists are available for review and use from the Engineer.

35. NOISE ABATEMENT AND CONTROL:

- 35.1.** The Design-Builder shall comply with San Diego Municipal Code, Noise Abatement and Control (Sections 59.5.0401, Sound Level Limits, and 59.5.0404, Construction Noise), and the County of San Diego Code of Regulatory Ordinances, Noise Abatement and Control. In the event of conflict, the most stringent requirement shall apply.
- 35.2.** Noise levels generated by construction activity shall not exceed an average of 75 decibels at the residential property line between the hours of 8:30 a.m. to 3:30 p.m. each Working Day. The Design-Builder shall obtain a Noise Permit to conduct work activities taking place before 7:00 AM or after 7:00 PM, each Working Day, or any time on days other than Working Days.
- 35.3.** If the Design-Builder desires to conduct Work activities during times when a Noise Permit is required, the Design-Builder shall obtain prior written authorization from the Engineer not less than 48 hours in advance, and shall apply for, obtain, and pay for the Noise Permit at no additional cost to City.

36. PROJECT MEETINGS:

- 36.1.** Progress Meetings – Design Phase - The Design-Builder shall schedule and hold regular progress meetings at least monthly and at other times as requested by the Engineer. Prior to a progress meeting, the Design-Builder shall submit its progress meeting format to the Engineer for review and acceptance. The Design-Builder shall also submit to the Engineer for review and acceptance:
 - i) A meeting agenda prior to each meeting; and
 - ii) Minutes of each meeting prior to the next meeting.
 The Design-Builder shall ensure that its key personnel attend the progress meetings.
- 36.2.** Progress Meetings – Construction Phase - The Design-Builder shall schedule and hold regular weekly progress meetings and at other times as requested by the Engineer. The Design-Builder shall report in writing to the Engineer the previous week's progress

and the plans for the upcoming three weeks. Twenty-four hours prior to each progress meeting, Design-Builder shall provide to the Engineer a two-week window (look-ahead) schedule showing activities from the accepted Project Schedule that are to take place during this period, activities started but not yet completed, and activities which have begun out of sequence. Prior to a progress meeting, the Design-Builder shall submit its progress meeting format to the Engineer for review and acceptance. The Design-Builder shall also submit to the Engineer for review and acceptance:

- i) A meeting agenda prior to each meeting; and
- ii) Minutes of each meeting prior to the next meeting.

The Design-Builder shall ensure that its key personnel attend the progress meetings. In addition, the Design-Builder may, at its discretion, request attendance by representatives of its suppliers, vendors, manufacturers, and other subcontractors.

- 36.3.** Public Meetings - During the course of the Project, a minimum of 2 of the Design-Builder's key personnel and the Engineer shall attend community meetings as part of the Design-Builder's community outreach program. Typically, these meetings are scheduled for two to four hours on weekday evenings. At a minimum, 1 meeting will be scheduled at 60 percent design review and the other just prior to construction. The Engineer may direct the Design-Builder to attend other meetings at no additional cost.
- 36.4.** Other Meetings - From time to time during the Project, the Engineer may direct the Design-Builder to attend other meetings. These may include but are not limited to meetings with environmental or regulatory agencies, meetings with Water Operations, utility companies, and other City divisions or departments. These meetings shall be done at no additional cost.
- 36.5.** The Design-Builder shall prepare and submit typical meeting minutes of all meetings including a list of attendees, contact information, proceedings, and all pertinent information.

37. RED-LINES:

- 37.1.** The Design-Builder shall be responsible for Red-lines as described in the WHITEBOOK Section 3-7.3 Red-Lines and Record Documents.
- 37.2.** Prior to final completion, The Design-Builder shall prepare and submit one complete set of full sized (24-inch x 36-inch) original mylar final As-Built Drawing CADD plots in accordance with the City's CADD Guideline. Each CADD mylar drawing sheet shall be stamped and signed by qualified responsible engineers registered in the State of California, and shall be stamped and wet signed by the architect/engineer of record, as required by law. Other applicable portions of the drawing title blocks shall also be signed by the Design-Builder. Drawing mylar shall be 3 mils minimum thickness.
- 37.3.** Prior to Final Completion, the Design-Builder shall also submit:
 - 37.3.1.** One complete full-sized set of the final As-Built.
 - 37.3.2.** Two complete electronic file sets of the final As-Built on CDs (typical) prepared in Bentley Connect ORD version 10.12 or converted to AutoCAD in accordance with City's CADD Guideline.

38. RECORD KEEPING:

- 38.1.** The Design-Builder shall maintain in a safe place at the Project Site a copy of construction documents (including field test records, correspondence, daily reports, and written interpretations and clarifications), Shop Drawings, Product Data, and Samples in good order. Field Documents, Shop Drawings, Product Data, Samples, and similar submittals are not part of the Contract Documents. The purpose of these documents is to demonstrate construction conformance to the Contract Documents, and the City shall have the right to inspect, audit, review, and copy these documents at any reasonable time.
- 38.2.** The Design-Builder shall not have the authority to approve a Sample or other submittal that is not in strict conformance with the Contract Documents or the accepted final design, unless City has accepted the substitute. No Work requiring a submittal or sample submission shall commence until the submission has been approved by the Design-Builder. A copy of each approved submittal and each approved sample shall be kept in order by the Design-Builder at the Project Site.
- 38.3.** The Design-Builder shall list and schedule submittals to be made and upon approval of each submittal transmit to City, within 5 Working Days, 2 copies of same. Failure to deliver the copies of approved submittals may result in withholding of progress payments.
- 38.4.** The Design-Builder shall not be relieved of responsibility for any deviations from the requirements of the Contract Documents by City's acceptance of Shop Drawings, Product Data, Samples, or similar submittals unless the Design-Builder has specifically informed City of such deviation at the time of the submittal and City has accepted the specific deviation in writing. The Design-Builder shall not be relieved of responsibility for errors or omissions in Shop Drawings, Product Data, Samples or similar submittals by City's acceptance thereof. At the time of each submission, the Design-Builder shall, in writing, specifically identify deviations that the submittals or Samples may have from the requirements of the Contract Documents.

39. REQUIRED TEST/MATERIAL CERTIFICATES:

- 39.1.** The Design-Builder shall ensure that all tests are performed in accordance with the methods prescribed in the most current applicable national standard as may be required by law and as prescribed in the Contract Documents. Materials or Work in place that fails to pass acceptability tests shall be retested, at the direction of City and at the Design-Builder's sole expense. The Design-Builder shall submit all test certificates to City in a timely manner.

40. TRAFFIC CONTROL:

- 40.1.** The City will require the Design-Builder to develop a Traffic Control Plan which minimizes environmental impacts, including noise, to residences, businesses, and institutions. The City will also require the final Traffic Control Plan to incorporate input from the community as well as from City staff.

41. REFERENCE STANDARDS:

- 41.1.** Except as otherwise noted or specified, the Work shall be completed in accordance with reference standards listed in INSTRUCTIONS TO PROPOSERS AND GENERAL CONDITIONS of this RFP.

42. DESIGN GUIDELINES:

- 42.1.** Americans with Disabilities Act (ADA) I Americans with Disabilities Act Accessibility Guidelines (ADAAG)
- 42.2.** American Water Works Association (AWWA)
- 42.3.** California Building Code as adopted by the City of San Diego*
- 42.4.** California Code of Regulations, Title 24
- 42.5.** City of San Diego Approved Materials List (AML) as approved by the Water <https://www.sandiego.gov/sites/default/files/legacy/water/pdf/cip/approvedmaterials.pdf> and Metropolitan Wastewater Departments <https://www.sandiego.gov/sites/default/files/legacy/mwwd/pdf/approvedmaterials.pdf>
- 42.6.** City of San Diego Computer Aided Design and Drafting (CADD), <https://www.sandiego.gov/ecp/edocref/drawings>
- 42.7.** City of San Diego Landscape Technical Manual
- 42.8.** City of San Diego's Manual of Preparation of Land Development and Public Improvement plans <https://www.sandiego.gov/planning/programs/landdevcode/landdevmanual>
- 42.9.** City of San Diego Standard Drawings https://www.sandiego.gov/sites/default/files/standard_drawings_2021_edition.pdf
- 42.10.** City of San Diego Street Design Manual [Microsoft Word - Street Design Manual March 2017-Final \(sandiego.gov\)](#)
- 42.11.** City of San Diego Sewer Design Guidelines <https://www.sandiego.gov/sites/default/files/legacy/mwwd/pdf/sewerdesign.pdf>
- 42.12.** City of San Diego Technical Guidelines for Geotechnical Reports [Guidelines for Geotechnical Reports \(sandiego.gov\)](#)
- 42.13.** City of San Diego Water Department Guidelines and Standards Books 1 through 7 <https://www.sandiego.gov/sites/default/files/water-facility-design-guidelines-2021.pdf>
- 42.14.** City of San Diego, Whitebook https://www.sandiego.gov/sites/default/files/the_whitebook_2021_edition.pdf
- 42.15.** County of San Diego Code of Regulations
- 42.16.** Greenbook: Standard Specifications for Public Works Construction
- 42.17.** National Electric Code (NEC) as adopted by the City of San Diego*
- 42.18.** State of California Health and Safety Code
- 42.19.** Uniform Fire Code (UFC) as adopted by the City of San Diego*
- 42.20.** Uniform Mechanical Code (UMC) as adopted by the City of San Diego*
- 42.21.** Uniform Plumbing Code (UPC) as adopted by the City of San Diego*
- 42.22.** Construction Planning & Scheduling Manual by AGC of America

42.23. The National Environmental Policy Act (NEPA) and other development standards contained in the San Diego Municipal Code (SDMC) and other State and Federal regulatory documents

42.24. City of San Diego Municipal Code
<https://www.sandiego.gov/city-clerk/officialdocs/municipal-code>

42.25. State Historic Preservation Act

*Any and all codes, regulations, and permits (including amendments) issued by City's Planning and Development Services Department.

43. BRIDGING DOCUMENTS:

43.1. The following is a list of the Bridging Documents for this project available at:

<https://drive.google.com/drive/folders/1gUB8pfp7P8s1-AfKWMBkUfTC41UVAMYM>

1. Location Map
2. As-Built Drawing
3. FSN list
4. NOE Roseville Fleet Ridge Improv 1
5. Outside Utilities
6. Pavement Coring Report
7. PE Report
8. Predesign Constrains Map
9. Predesign Coordination Map
10. Predesign OCI Map
11. Predesign Paving Conflict Map
12. Predesign Sewer Map
13. Predesign Water Map
14. Prelim Access Law Review
15. Preliminary Environmental Assessment Summary
16. Roseville-Fleet-ADT Count
17. Water Modeling
18. Sewer Hydraulics
19. Survey for Design
20. Survey memo and CADD Requirement
21. Batch Discharge
22. Roseville_Fleet Ridge Improv 1-Paving Maps

44. SUPPLEMENTAL REQUIREMENTS: All submitted hardcopy drawings and documents shall also be provided to the City in PDF format with electronically searchable text (not scanned

images) to include drawings, specifications, details, reports, RFI's, Invoices, and all other documents of every type. Excel files of documents shall be provided when requested by the City.

- 44.1.** The Design-Builder shall do all work as needed to accomplish the scope of work generally in accordance with the findings and recommendations in the attached Project Scope Work List (see bridging documents).
- 44.2.** Only ADA improvements triggered by this project shall be included in the design. New sidewalks are not included except to replace portions triggered by ADA compliance requirements. See bridging documents.
- 44.3.** This RFP provides as-built drawings and other information collected during preliminary planning for this project. The Design/Builder shall be responsible for researching and obtaining all as-built drawings and any other information from the City and/or other agencies which will be necessary to complete the scope of work.
- 44.4.** The Design-Builder shall resolve design and construction problems by a typical professional process including but not limited to research, field investigation, developing alternates, calculations, cost-effective analysis, making decisions/recommendations and obtaining City concurrence as needed. This process shall be diligently followed before the Design-Builder seeks direction from the City.
- 44.5.** The Design-Builder shall follow the City standard practice for design and construction when not specifically addressed in the RFP scope of work, reference documents, and design guides.
- 44.6.** The Design/Builder shall submit a brief monthly progress report in a format acceptable to the City, with map illustrating where water, sewer, and storm drain pipe was installed, feet installed, total feet and percent complete (see bridging documents example Sample Progress Map) for the entire duration of the project.
- 44.7.** The City shall not be responsible for any assumptions the Design-Builder based their price proposal on, and the Design-Builder shall not be entitled to any additional payment for any such assumptions on which their price was based.
- 44.8.** The price proposal shall include all work and materials and any references in this RFP to unit price, lump sum price, bid price or similar language shall not entitle the Design-Builder to any additional payment.
- 44.9.** The price proposal shall include all work and materials, and any references to or requirements for restricted work hours and/or night work shall not entitle the Design-Builder to any additional payment.
- 44.10.** The Design-Builder shall submit a Schedule of Values (SOV) with substantiating data that must include estimated quantities, unit costs, and extensions for each construction item in the SOV.
- 44.11.** The RFP's maps and descriptions of proposed improvements such as "replace in place" are conceptual only and deviations from this in the final design by the Design-Builder shall not entitle the Design-Builder to any additional payment.
- 44.12.** The Design-Builder shall do all work necessary for any required replumbing of water and sewer laterals including but not limited to preparing replumb agreements in a

format acceptable to the City, performing geotechnical evaluation if needed, potholing as needed, provide design phase coordination services with property owners including community group coordination, door hanger notices, notification letters, notary services, a fact sheet, and replumb agreement coordination, obtain all necessary signatures, notarization, and getting them recorded at the County. Recording fees shall be paid by the Design-Builder.

- 44.13.** The Design-Builder shall not deviate from the scope of work as defined in the bridging documents without considering the environmental impacts as defined in the environmental document.
- 44.14.** Traffic Signal Loop and Appurtenance: The Design-Builder is responsible to replace all traffic loops at every signalized intersection with cold milling work and install loops for bike lanes as applicable. Design-Builder shall show the traffic signal loops that need to be replaced on the plans and shall coordinate with the City prior to working on removing and replacing the Traffic Signal Loop and appurtenance.
- 44.15.** For conflicts with outside utilities (including SDGE) identified during design or construction, notify the Engineer once the conflict has been identified to discuss the conflict locations. When feasible, the Design-Builder shall design around the identified conflict. The Design-Builder shall notify the City if the conflict cannot be designed around or relocation of the utility conflict is required, and Design-Builder shall incorporate all required notes on plans and shall schedule their work accordingly to allow time to coordinate the conflicts with the outside utility company and for the outside utility company to relocate the conflict.
- 44.16.** As part of various design phase efforts, the Design-Builder shall oversee conflict coordination with the various utility companies and maintain a log of the utility companies' review comments.
- 44.17.** The table for the Batch Discharge in the bridging document is for existing flow conditions and allowable discharge to the existing sewer configuration during dry flow conditions only. Discharge flow must be held for 24 hours after the rain ceased for a rainfall event greater than 0.25 inches. These numbers are only valid if the existing sewer configuration is in place at the time of discharge. This table is only a capacity pre-approval. Before discharge begins Industrial Waste needs to approve the discharge; Wastewater Collections needs to approve the flushing; and the capacity will need to be re-evaluated at that time of discharge.

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:

Within 10 Working Days after the Bid Opening date, the Apparent Low Bidder 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.** Your failure to perform any of the following may result cancelling your 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 Working Days after meeting with the City's Project Manager.

2. POST-AWARD

- 2.1.** Do not start any construction activities for the next phase until the NTP has been issued by the Engineer. The City will issue separate Notice to Proceed (NTP) documents for each phase.
- 2.2.** If requested, the Engineer may issue the NTP for the next phase before the end of the current approved 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.

RFP NUMBER: K-24-2320-DB1-3

CONTRACT OR TASK TITLE: ROSEVILLE-FLEET RIDGE IMPROVEMENTS 1

CONTRACTOR: KTA Construction, Inc.

Funding Phase	Phase Description	Phase Start	Phase Finish	Not-to-Exceed Amount
1	Design, mobilize, pothole, and install approximately 1,600 lineal feet of 8" water main including all associated water services, fire hydrants, valves, water meter boxes, and other apputenances.	NTP	09/30/25	\$2,264,000 Water B-22092
	\$2,830,000 Sewer B-22097			
	Total Phase 1 -		\$5,094,000	
2	Install approximately 4,365 lineal feet of 8" water main including all associated water services, fire hydrants, valves, water meter boxes, curb ramps, asphalt restoration, striping, and other apputenances.	10/01/25	09/30/26	\$7,805,940 Water B-22092
	\$1,284,750 Sewer B-22097			
	Total Phase 2 -		\$9,090,690	
3	Street Resurfacing for Hugo St and Ingelow St	10/01/26	NOC	\$215,310 Paving
				Total Phase 3
Contract Total				\$14,400,000


Notes:

- 1) WHITEBOOK section 7-3.10, "Phased Funding Compensation" applies.
- 2) The total of all funding phases shall be equal to the TOTAL BID PRICE as shown on BID SCHEDULE 1 - PRICES.
- 3) This PHASED FUNDING SCHEDULE AGREEMENT will be incorporated into the CONTRACT and shall only be revised by written modifications to the CONTRACT.

CITY OF SAN DIEGO

PRINT NAME: DINO CIAFRE

Construction Senior Engineer

Signature: 

Date: 10/29/24

CONTRACTOR

PRINT NAME: Adam Ogden

Title: Vice President

Signature: ADAM OGDEN

Date: 10/21/24

PRINT NAME: Janice Jaro

Design Senior Engineer

Signature: 

Date: 10/22/2024

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, MS 56P, 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 its 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 its 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 10th day of the subsequent month. Incomplete and/or delinquent reporting may cause payment delays, non-payment of invoices, or both.
4. The records maintained under item 1, described above, shall be consolidated into a Final Summary Report, certified as correct by an authorized representative of the Contractor. The Final Summary Report shall include all subcontracting activities and be sent to the EOCP Program Manager prior to Acceptance. Failure to comply may result in assessment of liquidated damages or withholding of retention. The City will review and verify 100% of subcontract participation reported in the Final Summary Report prior to approval and release of final retention to you. In the event your Subcontractors are owed money for completed Work, the City may authorize payment to subcontractor via a joint check from the withheld retention.

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/slbegfeinst.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>
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 1st 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 \$1,500,000 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 \$1,000,000 and under \$1,500,000 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 \$500,000 up to \$1,000,000 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 \$500,000 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>
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ATTACHMENT D
PREVAILING WAGE

ATTACHMENT D

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.
 - b) General Provisions (B) for Design-Build and Multiple Award Construction Contracts.

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

1-2 TERMS AND DEFINITIONS. To the "WHITEBOOK":

To Item 47, "Holiday", ADD the following:

Holiday	Observed On
Juneteenth	June 19

To Item 55, "Normal Working Hours", DELETE in its entirety and SUBSTITUTE with the following:

Normal Working Hours: Normal Working Hours shall be **7:30 AM to 3:30 PM, Monday through Friday**, inclusive. Saturdays, Sundays, and City Holidays are excluded. Unless otherwise specified on the Traffic Control Permits.

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.

3-7.6.1 Use of Computer Aided Drafting and Design. To the "WHITEBOOK", Item 1, DELETE in its entirety and SUBSTITUTE with the following:

1. Use Bentley Connect ORD 10.12 Version with the ability to convert to AutoCad at no additional cost for the preparation of Plans and As-Built drawings in accordance with the City's CADD Standards.

3-8.4 Supporting Information. To the "WHITEBOOK", ADD the following:

4. You shall collect and submit rehabilitation data spreadsheets along with monthly invoices for the following rehabilitation Work (see **Appendix J – Rehabilitation Data Collection – Sample Sewer Mains, Laterals, Manholes Data Templates**.
 - a) Laterals
 - b) Sewer Mains
 - 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 G - Sample Contractor's Daily Quality Control Inspection Report**.

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

3-10 SURVEYING (DESIGN-BUILD).

3-10.1 General.

1. You shall provide all required site layout not specified in this section.
2. Unless surveying services are provided by the City, only the Design Firm, not the Contractor, shall be allowed to hire a Licensed Land Surveyor or a Registered Civil Engineer authorized to practice land surveying within the State of California to provide all surveying services needed for the design, and if requested by the City, also for the construction activities required for the completion of the Project. Surveying services include, but are not limited to: land, aerial, topographic and construction.
3. If requested by the City, the Design Firm shall submit a letter to the City's Project Manager identifying the Licensed Land Surveyor or the Registered Civil Engineer authorized to practice land surveying within the State of California that will be performing the design and/or construction phase survey services for the Project.
4. Where applicable, notify the City in writing at least 2 Working Days prior to requesting survey services to be provided by the City.
5. The Design Firm is responsible for performing and meeting the accuracy of surveying standards adequate for design and construction through the Design Firm's Licensed Land Surveyor or Registered Civil Engineer authorized to practice land surveying within the State of California.

6. All Survey Services deliverables shall be submitted per the City's CADD Standards and pertinent Engineering and Capital Department Engineering Deliverable specifications.
<https://www.sandiego.gov/ecp/edocref/drawings>
7. All Survey Services and deliverables which reveal non-compliance with the requirements of the Construction Documents and standards shall be corrected as deemed necessary by the City at the Design-Builder's expense.
8. Where Survey Services are provided by the City, all construction survey stakes, control points, and other survey related marks shall be preserved for the duration of the Project. If any construction survey stakes, control points, or other survey related marks are lost or disturbed and need to be replaced, such replacement shall be performed at the Design-Builder's expense.
9. The City's Land Survey Section (LSS) shall be notified a minimum of 2 Working Days (large projects may require more) before any ground is to be disturbed within the City of San Diego (concrete, asphalt, or dirt). The LSS may need to inspect the site and provide monumentation information.

3-10.2 Monument Perpetuation.

1. Monument Perpetuation, including mark-outs, will be performed by the City Public Works Engineering Support & Technical Services Division's (ES&TS), Land Survey Section (LSS), unless otherwise noted. You are responsible for requesting the coordination of these services.
2. If at any time a monument will be destroyed or covered, such monument shall be perpetuated in accordance with state law. Inform the LSS, via project Resident Engineer, if any monument will be destroyed or covered during any construction activity.

3-10.3 Line and Grade.

1. The Work shall conform to the lines, elevations, and grades shown on the Plans. Three consecutive points set on the same slope shall be used together so that any variation from a straight grade can be detected. Any such variation shall be reported to the City's PM. In the absence of such report, the Surveyor shall be responsible for any error in the grade of the Work.
2. Grades for underground conduits will be set at the surface of the ground. The Design-Builder shall transfer them to the bottom of the trench.

3-10.4 Topographic and Monument Survey – Preliminary Design.

1. Topographic field survey shall include all existing ground surface topography, fencing, hardscape, utilities, roadway surface, and curb returns within the delineated mapping limit. Monument survey shall include the sufficient

collection of existing record survey monuments to perform right-of-way (ROW) analysis along within subject mapping limits.

2. Unless otherwise specified, the Land Surveyor shall adhere to Section 3 of the Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys (Effective February 23, 2016).

<https://www.nsps.us.com/page/ALTANSPSStandards>

3. Horizontal Control shall be based on the CCS83 Zone 6, 1991.35 epoch, U.S. Survey Feet per Record of Survey Map No. 14492 (ROS 14492). It is required to tie into a first order monument per ROS 14492 unless a first order monument no longer exists within a three mile radius. Horizontal control measurements shall be collected in conformance with the local standard of practice.
4. Vertical Control shall be based on NGVD29 per benchmarks in the City of San Diego Bench Book. Non 1970 adjusted and 1970 adjusted benchmarks listed with an asterisk (*) in the City Benchmark book are not to be used together for Vertical Control – common adjustment sets are to be used.
5. All topographic field survey data shall be collected using conventional survey methods utilizing total station instrumentation.
6. Deliverables.
 - a) Horizontal and Vertical Control.
 - i. Completed Calibration sheet as provided indicating the monuments used to establish the Basis of Bearings and Vertical Benchmark held to control this survey.
 - b) Field Data.
 - i. Data collected as points and break lines to define a proper DTM if requested outside of aerial mapping.
 - ii. Includes utilities collected on surface as required.
 - iii. Includes Horizontal control points from ROS 14492 used to define the Basis of Bearings and Vertical control Benchmark(s) to establish elevation.
 - iv. Includes record monument points.
 - v. Data collector project files.
 - vi. Raw (unedited) data file.
 - vii. Project file.
 - viii. Point comma delimited text file formatted.

c) Topography.

- i. Create and deliver a complete ASCII coordinate list (.txt/.doc etc.) of all field collected survey points.
 - The contours produced from the surface digital terrain model (dtm) shall meet or exceed ASPRS 90 standards where 68% (1σ) of the contours tested fall within $1/3$ contour interval. Any point tested that is more than 3σ out shall be regarded as a blunder. These standards closely parallel the familiar National Map Accuracy Standards.

d) Records Research.

- i. All public or private records acquired to determine the City's ROW in the project area delivered in digital or hardcopy format with any markups and City Records as acquired.
 - City records may include but are not limited to GIS scope plots, sewer and water sheets, loose leaf survey notes, Tie Point sheets, dedication or vacation drawings, easement drawings, benchmark list, and etc.
 - After initial search of City records by the Surveyor, they may request City assistance to search for hard to find records.

e) Survey Monument Measurements.

- i. All found monuments located within, or near, the survey limits shall be searched and measured. Sufficient additional monuments to control all boundaries extending from the survey limits shall be tied (i.e. block corners, Points of Curve etc.) to the next available survey monument past the survey limits.
 - All Monuments found shall be described with details as to what was found along with identifying number.

3-10.5 Monument Search, Field Boundary Survey and Boundary Analysis – Right-of-Way (ROW) Mapping.

1. The monument survey, for each designated site, shall be of sufficient coverage and quality for a Right-of-Way boundary analysis performed and provided in conformance with City CADD standards.

2. Surveyor shall deliver to the City all requested survey information and CADD data, as specified below, upon completion of the Monument Survey and Boundary Analysis.
3. Unless otherwise specified, the Land Surveyor shall adhere to Section 3 of the Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys (Effective February 23, 2016).

<https://www.nsps.us.com/page/ALTANSPPStandards>

4. Field monument survey to be performed and provided in conformance with City CADD standards.
5. Field Measurements shall be collected in conformance the local standard of practice.
6. Horizontal Control shall be based on the CCS83 Zone 6, 1991.35 epoch, U.S. Survey Feet units, per City of San Diego Record of Survey Map No. 14492 (ROS 14492). All Project survey control shall be based upon field-tied measurements to a Horizontal First Order monument as shown on ROS 14492. Where existing First Order monument cannot be recovered or located within a 3-mile radial distance from the project site a Horizontal Second-Order Monument may be used as Project survey basis. The Project vertical control datum shall be based on NGVD29 per benchmarks identified in the City of San Diego Vertical Control Bench Book (Bench Book). All Project benchmarks shall be selected from a common Bench Book source group:
 - a) Benchmarks with elevations updated per U.S.C.G.S adjustment of 1970, identified with an asterisk (*).
 - b) Benchmarks not adjusted per the 1970 adjusted values (non-asterisked identifiers).
7. Deliverables.
 - a) Horizontal and Vertical Control.
 - i. Completed Calibration sheet indicating the monuments used to establish the Basis of Bearings and Vertical Benchmark held to control this survey.
 - b) Field Data.
 - i. Complete, Correct CADD file in conformance with City CADD Standards and industry standards.
 - Includes Horizontal control points from ROS 14492 used to define the Basis of Bearings and Vertical control Benchmark(s) to establish elevation.
 - Includes Monument points covering the area of work.

- ii. Data collector project files.
 - Raw (unedited) data file.
 - Project file.
 - Point comma delimited text file.
- c) Records Research.
 - i. If requested, all public or private records acquired to determine the City's ROW in the project area delivered in digital or hardcopy format with any markups and City Records as acquired.
 - ii. City records may include but are not limited to GIS scope plots, sewer and water sheets, loose leaf survey notes, Tie Point sheets, dedication or vacation drawings, easement drawings, benchmark list, and etc.
- d) Boundary Ties
 - i. All monuments within the survey limits shall be searched and tied if found. Sufficient additional monuments to control all boundaries extending from the survey limits shall be tied (i.e. Block Corners, Points of Curve etc.) to the next available survey monument past the survey limits.
 - All Monuments found shall be described details as to what was found along with identifying number.

3-10.6 Field Monument Survey and Topographic Utility Survey.

1. The right-of-way monumentation survey data shall be provided to the City.
2. Surveyor shall perform a right-of-way monument survey and existing utility survey (locating feature centers). Surveyor shall also collect ground surface topography over any aerial obscured areas.
3. Unless otherwise specified, the Land Surveyor shall adhere to Section 3 of the Minimum Standard Detail Requirements for ALTA/NSPS Land Title Surveys (Effective February 23, 2016).

<https://www.nsps.us.com/page/ALTANSPPStandards>
4. Field Measurements shall be collected in conformance with the local standard of practice.
5. Project Horizontal and Vertical Control.
 - a) The Horizontal and Vertical Control for this project shall be based on the same datum, basis of bearing, calibration and benchmark as used for the Aerial Survey.

- b) Horizontal Control Shall be based on the CCS83 Zone 6, 1991.35 epoch, U.S. Survey Feet per ROS 14492. It is required to tie into a first order monument per ROS 14492 unless a first order monument no longer exists within a three mile radius.
- c) Vertical Control shall be based on NGVD29 per benchmarks in the City of San Diego Bench Book. Non 1970 adjusted and 1970 adjusted benchmarks listed with an asterisk (*) in the City Benchmark book are not to be used together for Vertical Control – common adjustment sets are to be used.
- d) If adjacent City projects have been found and are included in the research packages, measurements to a minimum of 3 common control or ROW points shall be made for evaluation and consistency between projects. These projects can be used for establishing common horizontal or vertical control, joining or adding to existing data, and/or as an inventory of survey monuments for search purposes.

6. Deliverables.

- a) Horizontal and Vertical Control.
 - i. Completed Calibration sheet indicating the monuments used to establish the Basis of Bearings and Vertical Benchmark held to control this survey. The horizontal and vertical control shall be set by the Surveyor that's issued the first Notice to Proceed.
- b) Field Data.
 - i. Data collected as points and break lines to define a proper DTM beyond the identified mapping limits if requested.
 - ii. Include utilities collected on surface as required.
 - iii. Include horizontal control points from ROS 14492 to define the Basis of Bearings and Vertical control Benchmark(s) to establish elevation.
 - iv. Include Monument points covering the area of work.
 - v. Data collector project files.
 - Raw (unedited) data file.
 - Project file.
 - Point data text file in "comma delimited format".
 - vi. CADD File.
 - A digital design file displaying all field work, existing right-of-way monuments, and utility feature data per City CADD standards. The design file shall be complete, correct, and free of duplicate elements.

- The following data shall be included in the electronic mapping file: Name of Design/Engineering Firm and/or Surveyor doing the project, Company Logo (if available), Name of project, Work order number, Date & Scale.
 - Include right-of-way monument elements.
 - Use appropriate levels and attributes for all elements to meet City of San Diego CADD Standards.
- c) Topography
- i. Create and deliver a complete ASCII coordinate list (.txt/.doc etc.) as a result of the geometry report of the final .ALG file.
 - ii. Use appropriate levels and attributes for all elements to meet City of San Diego CADD Standards.
- d) Records Research.
- i. If requested, all public or private records acquired to assist with right-of-way monument collection.
 - ii. City records may include but are not limited to GIS scope plots, sewer and water sheets, loose leaf survey notes, Tie Point sheets, dedication or vacation drawings, easement drawings, benchmark list, and etc.
 - iii. After initial search of City records by the Surveyor, they may request City assistance to search for hard to find records.
- e) Right-of-Way Monument Survey Locations
- i. All monuments within the survey limits shall be searched and located if found. Sufficient additional monuments to control all boundaries extending from the survey limits shall be located to facilitate LSS ROW Mapping (i.e. block corners, points of curve, and etc.).
 - All found survey monuments shall describe the character and identifying reference marks.
 - City survey notes and City drawings can be provided, as applicable.
- f) The appropriate City of San Diego cell library (V8 City existing.cel), font resource file (V8 City font.rsc), color table (V8 City color.tbl), line style (V8 City Line style.rsc), level scheme, and seed file parameters are to be used for placement of all elements in the design files, with strict adherence to "Working Units" and seed file "Global Origin". Base map level schemes are attached. A CD containing the most current version

of the above seed files, cell libraries and font resource files will be provided, if needed, upon request.

3-10.7 Construction Survey/Staking.

1. Construction staking surveying shall be performed with the standards customarily adhered to by an experienced and competent land surveying firm using the degree of care and skill ordinarily exercised by reputable professionals practicing in the same field of service in the State of California. Where approval by the City is required, it is understood to be general approval only and shall not relieve the Design Firm of their responsibility to comply with all applicable laws, codes, and good consulting practices.
2. Field Measurements shall comply with the local standards of practice. All construction staking with a gradient of less than 1.5% shall be performed by a total station survey instrument. Gradients less than 0.2% shall require a level run prior to construction, and all said services shall be performed by the Surveyor.
3. The following are minimum requirement guidelines for various types of staking:
 - a) Limits of work 50-foot maximum interval.
 - b) Limits of Demolition 50-foot maximum interval.
 - c) Rough grade stakes 50-foot maximum interval.
 - d) Finish grade stakes 50-foot maximum interval.
 - e) Slope staking at 50-foot maximum interval.
 - f) Contour staking @ 50-foot maximum interval.
 - g) Curb stakes with offset to face of curb, and grade to top of curb with 50-foot maximum interval.
 - h) Storm drain at 50-foot maximum interval where grade exceeds 1%.
 - i) Sewer lines at 50-foot maximum interval where grade exceeds 1%.
 - j) Water lines at 50-foot' maximum interval offset to near curb face (no grades – minimum cover).
 - k) Dry utilities at 50-foot maximum interval where grade exceeds 1%.
 - l) Construction staking involving horizontal and vertical curves shall be staked at 25-foot maximum intervals, and further densification for deltas on applicable curb returns and pipe joints.
 - m) Storm Drain inlet stakes shall be on face of curb produced, and on string line grade.
 - n) Walls staked at footing breaks, with station interval of 25-foot maximum intervals.

- o) Buildings – offsets to outside face of wall.
- p) Bridge abutments and bents on opposing sides.

3-12.1 General. To the “WHITEBOOK”, ADD the following:

- 3. You shall sweep all paved areas within the Work site and all paved haul routes as specified below:

- a) Every Friday on a weekly basis.
- b) 1 Working Day prior to each rain event.
- c) As directed by the Engineer.

If these requirements would require you to sweep on a Holiday or Weekend, then you shall sweep the next available Working Day prior to that Holiday or Weekend.

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 I - Monthly Drinking Water Discharge Monitoring Form**.

3-12.8.3 Equipment. To the "WHITEBOOK", item 4, DELETE in its entirety and SUBSTITUTE with the following:

- 4. The approved dewatering system shall include a suitably sized pipeline to transport extracted groundwater from the Work Site to the indicated point of discharge as applicable under the dewatering permit in force during the dewatering operations. The alignment of this pipeline shall be subject to the approval by the Engineer. Where the pipeline is allowed to cross roadways or parking areas, you shall be required to install a conduit below the traveled surface. The installation shall provide protection for the temporary pipeline and a smooth transition across the traveled Surface in accordance with Standard Drawing SDG-107, “Pavement Restoration for Asphalt Concrete Surfaced Streets - Major Excavation” or a concrete trench cap in accordance with Standard Drawing SDG-108, "Pavement Restoration for Concrete Surfaced Streets and Alleys - Major Excavation".

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

- 2. Other adjacent City projects are scheduled for construction for the same time period. See **Appendix F – Coordination Map** for the approximate location. Coordinate the Work with the adjacent projects as listed below:
 - a) Accelerated Pipeline Rehab Ref Group 846
Construction: Start 02/2021 to 05/2023
PM: *Jamal Sherzai*

- b) Accelerated Sewer Referral Group 847
Construction: 04/2024 to 07/2025
PM: *Veverka, Matthew*
- c) Accelerated Sewer Referral Group 852
Construction: 08/2024 to 09/2025
PM: *Matthew Veverka*
- d) Asphalt Resurfacing Group 1901
Construction: 08/2022 to 12/2023
PM: *Aveen Saleh*
- e) Catalina Blvd TS Interconnect Upgrade
Construction: 04/2025 to 07/2026
PM: *Erick Guillermo*
- f) Sewer & AC Water Group 1034 (S&W)
Construction: 10/2024 to 12/2027
PM: *Sanoubar Aghdam*
- g) Installation of City-Owned SL 2202 (NSG)
Construction: 01/2025 to 07/2025
PM: *Jose Villa*
- h) Canon Street Pocket Park
Construction: 08/2023 to 10/2024
PM: *Kevin Nguyen*

SECTION 4 - CONTROL OF MATERIALS

ADD:

4-3.6 Preapproved Materials. You shall submit in writing a list of all products to be incorporated in the Work that are on the AML.

4-6 TRADE NAMES. To the "WHITEBOOK", ADD the following:

- 11. You shall submit your list of proposed substitutions for an "equal" item **no later than 5 Working Days after the issuance 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 and defense duties set forth in the Contract.

5-4.1

Policies and Procedures.

1. You shall procure the insurance described below, at your 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 as required by this Contract and at all times thereafter when you are correcting, removing, or replacing Work in accordance with this Contract. Your duties under the Contract, including your indemnity obligations, are not limited to the insurance coverage required by this Contract.
4. If you maintain broader coverage or higher limits than the minimums shown below, City requires and shall be entitled to the broader coverage 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 you bid. You are not entitled to any additional payment from the City to cover your insurance, unless the City specifically agrees to payment in writing. Do not begin any Work under this Contract or allow any Subcontractors to begin work, 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

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.

5-4.2.8 Architects and Engineers Professional Insurance (Errors and Omissions Insurance).

1. For Contracts with required engineering services, including Design-Build and preparation of engineered Traffic Control Plans (TCP) by you, you shall keep or require all of your employees and Subcontractors, who provide professional engineering services under Contract, to provide to the City proof of Professional Liability coverage with a limit of no less than **\$3,000,000** per claim and **\$3,000,000** aggregate per policy period of one year.
2. You shall ensure the following:
 - a) The policy retroactive date is on or before the date of commencement of the Project.
 - b) The policy will be maintained in force for a period of three years after completion of the Project or termination of the Contract, whichever occurs last. You agree that, for the time period specified above, there will be no changes or endorsements to the policy that affect the specified coverage.
3. If professional engineering services are to be provided solely by the Subcontractor, you shall:
 - a) Certify this to the City in writing, and
 - b) Agree in writing to require the Subcontractor to procure Professional Liability coverage in accordance with the requirements set forth here.

5-4.3 Rating Requirements. Except for the State Compensation Insurance Fund, all insurance required by this Contract 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 of California, 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 of California 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 in this Contract.

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), prior to your commencement of Work under this Contract. In addition, 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:

1. Ongoing operations performed by you or on your behalf,
2. your products,
3. your work, e.g., your completed operations performed by you or on your behalf, or
4. 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:

1. Ongoing operations performed by you or on your behalf,
2. your products,
3. your work, e.g., your completed operations performed by you or on your behalf, or
4. 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 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 6 of Section 5-4.1.
- 5-4.9 Excess Insurance.** Policies providing excess coverage shall follow the form of the primary policy or policies, including, all endorsements.
- 5-10.2.1 Public Notice by Contractor.** To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:
- 5-10.2.1 Public Notice by Contractor.**
1. Post Project Identification Signs in accordance with 3-11.2, "Project Identification Signs".
 2. No less than 5 and no more than 10 Working Days in advance of Project construction activities and utility service interruptions, you shall notify all critical facilities, businesses, institutions, property owners, residents, or any other impacted stakeholders within a minimum 300-foot (90 m) radius of the Project i.e., work area and any other affected areas as shown on the "Notification of Planned Water Shutdown" when you perform the Work.
 3. The notification process must be repeated for delays and long pauses in construction activities. Verbal and written notifications, such as door hangers, shall be sent to critical facilities (including but not limited to police stations, fire stations, hospitals, and schools). A copy of written notifications sent to any critical facility shall also be sent to the Engineer.
 4. You shall keep records of the people contacted, along with the dates of notification, and shall provide the record e.g., time-stamped pictures of the

notices, to the Engineer upon request. You shall identify all other critical facilities that need to be notified.

5. Verbal and written notifications shall also include specific impacts from the construction of the City facilities, e.g., fire hydrants, air vacuum and blow-off devices, pedestrian ramps, and sidewalks, e.g., the loss of parking, access, and impact to private property, e.g., landscaping.
6. Furnish and distribute public notices in the form of door hangers using the City's format to all occupants and/or property owners along streets and all critical facilities such as police stations, fire stations, hospitals, and schools.
7. Where Work is to be performed at least 5 and at most 10 Working Days before starting construction, survey activities, or impacting the community as approved by the Engineer.
8. Within 5 Working Days of the completion or pausing of your construction activities where Work was performed, you shall distribute public notices in the form of door hangers, which outline the anticipated dates of Asphalt Resurfacing, Slurry Seal, Sidewalk, or Curb Ramp Work. Upon resuming construction activities, you shall redistribute door hangers described in section a) above.
9. "No Parking" signs shall be placed 72 hours before the scheduled construction activities and must include the name and phone number of the Contractor. The Contractor shall document the placement of the signs with time-stamped pictures.
10. Leave the door hanger notices on or at the front door of each dwelling and apartment unit and at each commercial building tenant abutting each street block segment.
11. Where the front doors of apartment units are inaccessible or occupants are unavailable, distribute the door hanger notices to the apartment manager or security officer and leave your contact information, such as business cards.
12. Provide time-stamped pictures of the notices to the Engineer,
13. Door Hanger Material: You shall use Blanks/USA brand, Item Number DHJ5B6WH, 1¼ inch (31.8 mm) Holes (removed), 2-up Jumbo Door Hanger in Bristol White, or approved equal.
14. Door hangers shall include the funding source if project is funded in part by State Gas Tax Revenue (SB1).
15. Mailed Notice Material: You shall use Cougar by Domtar, Item Number 2834, or approved equal.
16. For all Work on private property, contact each owner and occupant individually a minimum of 15 Working Days before the Work. If the Work has been delayed, re-notify owners and occupants of the new Work schedule, as directed by the Engineer.

17. A sample of public notices will be included in the Contract.

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 **Appendix D – Sample City Invoice** and use the format shown.

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

4. 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) Summer Moratoriums from Memorial Day to Labor Day (inclusive) on Ingelow Street and Scott Street.

6-3.1 General. To the "WHITEBOOK", item 3, subitem d, DELETE in its entirety and SUBSTITUTE with the following:

- d) 30 Calendar Days for full depth asphalt final mill and resurfacing work required per SDG-107, "Pavement Restoration for Asphalt Concrete Surfaced Streets - Major Excavation".

ADD:

6-6.1.1 Environmental Document.

1. The City of San Diego has prepared a **Notice of Exemption** for **Roseville-Fleet Ridge Improvements 1**, Project No. **B-22092.02.06 (W) & B-22097.02.06 (S)**, as referenced in the Contract Appendix. You shall comply with all requirements of the **Notice of Exception** 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.

6-9 LIQUIDATED DAMAGES. To the "WHITEBOOK", item 2, DELETE in its entirety and SUBSTITUTE with the following:

2. The execution of the Contract shall constitute agreement between you and the City that the liquidated damage amount described in the table below is the value of the damage caused by your failure to complete the Work within the allotted time. Such sum shall not be construed as a penalty and may be deducted from your payments if such delay occurs.

Contract Value	Liquidated Damages Daily Amount
Less than \$200,001	\$1,000
\$200,001 to \$500,000	\$1,500

Contract Value	Liquidated Damages Daily Amount
\$500,001 to \$1,000,000	\$2,000
\$1,000,001 to \$2,000,000	\$2,500
\$2,000,001 to \$5,000,000	\$3,000
\$5,000,001 to \$10,000,000	\$5,500
\$10,000,001 to \$20,000,000	\$6,500
Greater Than \$20,000,000	\$7,000

SECTION 7 – MEASUREMENT AND PAYMENT

7-3.1

General. To the "WHITEBOOK", ADD the following:

3. The Lump Sum Bid item for **"Engineering & Design (Sewer)"** shall include all the engineering and design services for all sewer as detailed in Attachment A and as specified in the Plans, Contract Documents, and Technical Section.
4. The Lump Sum Bid item for **"Construction (Sewer)"** shall include all labor, materials, equipment, and services for the construction of the sewer and includes but is not limited to sewer rehabilitation, lateral rehabilitation, installation of cleanouts, rehabilitation and installation of manholes, pavement restoration, curb ramps as detailed in Attachment A and as specified in the Plans, Contract Documents, and Technical Section.
5. The Lump Sum Bid item for **"Engineering & Design (Water)"** shall include all the engineering and design services for all Water as detailed in Attachment A and as specified in the Plans, Contract Documents, and Technical Section.
6. The Lump Sum Bid item for **"Construction (Water)"** shall include all labor, materials, equipment, and services for the construction of the water and includes but is not limited to water main and the associated water services installation, valves, fire hydrants and other appurtenances, street restoration, curb ramp installation as detailed in Attachment A and as specified in the Plans, Contract Documents, and Technical Section.

7-3.2.2.1

Progress Payment for Pipelines. To the "WHITEBOOK", item 4, DELETE in its entirety and SUBSTITUTE with the following:

4. In asphalt-surfaced streets, the City shall pay 15% for hydrostatic and bacterial testing, Wayneball and Mandrelling (where necessary), for water and sewer utility constructions respectively, and operational testing for storm drains, including the trench cap and cleanup. The City shall pay the remaining 5% after

completing the asphalt wearing surface, Trench Capping per SDG-107, "Pavement Restoration for Asphalt Concrete Surfaced Streets - Major Excavation", and final cleanup.

7-3.9 Field Orders. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

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

**TABLE 7-3.9
FIELD ORDER LIMITS**

Contract Price	Maximum Each Field Order Work Amount
Less than \$1,000,001	\$10,000
\$1,000,001 to \$5,000,000	\$20,000
\$5,000,001 to \$10,000,000	\$25,000
\$10,000,001 to \$30,000,000	\$40,000
Greater than \$30,000,000	\$70,000

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 203 - BITUMINOUS MATERIALS

203-6.1 General. To the "WHITEBOOK" and "GREENBOOK", DELETE in its entirety and SUBSTITUTE with the following:

203-6.1 General. Asphalt concrete shall be the product of mixing mineral aggregate and reclaimed asphalt pavement (RAP) with asphalt binder at a central mixing plant.

When specified in the Special Provisions, asphalt concrete may be produced using a warm mix asphalt (WMA) technology.

Unless otherwise specified in the Special Provisions or shown on the Plans, asphalt concrete mixtures shall conform to 203-6.4.

If the asphalt concrete mixture contains more than 15% RAP, refer to Caltrans Standard Specifications Section 39, "Asphalt Concrete" for "Materials" and "Construction" requirements only unless specified otherwise in these (1) Supplementary Special Provisions, (2) The WHITEBOOK, and (3) The GREENBOOK in

that order of precedence. Replace all references to actions by the "Department" with actions by the "City."

203-6.2.1 Asphalt Binder. To the "GREENBOOK", ADD the following:

Unless otherwise specified, for mixtures containing 15 percent or less RAP, the performance grade of the virgin asphalt binder shall be the grade specified in the Special Provisions with the upper and lower temperature classification of Performance Grade (PG) 64-10.

For mixtures containing greater than 15 percent and not exceeding 25 percent RAP, the performance grade of the virgin binder shall be the grade specified in the Special Provisions with the upper and lower temperature classification of PG 58-16.

For mixtures containing greater than 25 percent RAP, the performance grade of the asphalt binder shall be determined based on viscosity and blending charts developed in accordance with AASHTO M323.

203-6.2.2 Rock Products for Asphalt Concrete Mixtures. To the "GREENBOOK", ADD the following:

Aggregates must be clean and free from deleterious substances. The aggregates for a leveling course must comply with the gradation specifications for Type A HMA in Caltrans Standard Specification Section 39-2.02B.

203-6.2.3 Rock Products for Type III Asphalt Concrete Mixtures. To the "GREENBOOK", ADD the following:

Aggregate gradation must be determined before the addition of asphalt binder and must include supplemental fine aggregates. Test for aggregate gradation under AASHTO T 27. Do not wash the coarse aggregate. Wash the fine aggregate only. Use a mechanical sieve shaker. Aggregate shaking time must not exceed 10 minutes for each coarse and fine aggregate portion. Choose a TV within the TV limits shown in the tables titled "Aggregate Gradations." Gradations are based on nominal maximum aggregate size.

203-6.2.5.1 General. To the "GREENBOOK", ADD the following:

RAP shall be defined as asphalt concrete pavement that has been processed to a maximum of 1 inch (25 mm) in size and is free of contaminants. RAP may be substituted for part of the virgin aggregate in a quantity up to the lowest level allowed in the Caltrans Standard Specifications by dry weight of the combined aggregates.

Unless otherwise specified, RAP may be substituted for part of the virgin aggregate at or above the level allowed in the Caltrans Standard Specifications; currently, 25 percent by dry weight of the combined aggregates.

203-6.2.5.2 RAP Stockpiles. To the "GREENBOOK", ADD the following:

Fractionated RAP stockpiles shall be isolated from other materials. Fractionated RAP shall be stored in conical or longitudinal stockpiles. Fractionated RAP shall not be agglomerated or be allowed to congeal.

203-6.2.5.3 Fractionation. To the "GREENBOOK". DELETE in its entirety and SUBSTITUTE with the following:

203-6.2.5.3 Fractionation. Fractionation is the processing of RAP into 2 or more sizes. For RAP substitution of 15 percent or less, fractionation is not required. For RAP substitution greater than 15 percent, RAP shall be fractionated into 2 sizes conforming to the requirements shown in Table 203-6.2.5.3. The RAP stockpile fractionation gradation shall conform to the requirements shown in Table 203-6.2.5.3.

Table 203-6.2.5.3

Size	Test Method	Requirement
Coarse (% passing the 1-inch sieve)	California Test 202 ^a	100
Fine (% passing the 3/8-inch sieve)	California Test 202 ^a	98-100

^a Maximum mechanical shaking time is 10 minutes.

If RAP is from multiple sources, the RAP shall be thoroughly and completely blended before fractionating.

The coarse fractionated stockpile, the fine fractionated stockpile, or a combination of the coarse and fine fractionated stockpile may be used.

203-6.2.5.4 Testing. To the "GREENBOOK", ADD the following:

The mix design RAP stockpile shall be sampled and tested in accordance with California Test 384. The average shall be reported on the mix design submittal. When the mix design RAP stockpile is augmented, RAP used to augment the stockpile shall be sampled at a minimum frequency of 1 sample per 500 tons in accordance with California Test 384 before augmenting. Each sample shall be tested to determine the uncorrected binder content in accordance with AASHTO T 308. The same ignition oven shall determine the uncorrected asphalt binder content reported on the mix design submittal.

The augmented RAP sample, when tested under AASHTO T 209, shall be within ± 0.06 of the average maximum specific gravity reported on the mix design submittal.

For startup of a project:

1. Less than 5,000 tons of a QC test from another City approved submittal from the same plant within the last 90 days may be submitted for review.
2. For greater than 5,000 tons the following QC test must be completed and submitted to the Engineer:

Quality Characteristic	Test Method
Asphalt binder content	AASHTO T 308, Method A
HMA moisture content	AASHTO T 329
Combined Aggregate Gradation	California Test 384
Combined Aggregate Sand equivalent	California Test 217 or ASTM D2419
Combined Aggregate Moisture content	AASHTO T 255
Air voids content	AASHTO T 269
Voids in mineral aggregate	MS-2 Asphalt mixture volumetrics
Dust proportion	MS-2 Asphalt mixture volumetrics
Hveem Stability	MS-2 and OBC CT 367
Hamburg wheel track	AASHTO T 324 (modified)
Gyratation Compaction	AASHTO T 312

During production, RAP QC testing shall be sampled twice daily and the following additional tests shall be performed with the minimum frequency:

Quality Characteristic	Test Method	Minimum Frequency
Asphalt binder content	AASHTO T 308, Method A	1 per day with a minimum of 500 tons
Aggregate Gradation – combined with RAP	California Test 384	1 per day with a minimum of 100 tons
Aggregate Sand equivalency	California Test 217 or ASTM D2419	1 per day with a minimum of 100 tons
Aggregate Moisture content	AASHTO T 255	1 per day with a minimum of 100 tons
Hveem Stability	MS-2 and OBC CT 367	1 per day with a minimum of 100 tons
Hamburg wheel track	AASHTO T 324 (modified)	1 per 5,000 tons or 1 per project, whichever is greater
Nuclear gauge density	California Test 375	1 per 50 tons

203-6.2.5.5 Quality. To the "GREENBOOK", ADD the following:

For RAP content higher than 15% in HMA, refer to Sections 39-2.01, "General"; 39-2.02, "Type A Hot Mix Asphalt," and 39-2.03, "Rubberized Hot Mix Asphalt--Gap Graded," of the Caltrans Standard Specifications in effect at the time of Bid for the quality assurance requirements. Under this process, the contractor performs quality control testing, and the City performs acceptance testing and inspection. The acceptance decision is based on the City's test results only.

RAP shall conform to the requirements shown in Table 203-6.2.5.5:

Table 203-6.2.5.5

Quality Characteristic	Test method	Requirement
Uncorrected Binder Content (% within the average value reported) ^a	AASHTO T 308	±2.00
Specific gravity (within the average value reported)	AASHTO T 209	±0.06
Combined Aggregates Sand Equivalent (min)	California Test 217 or ASTM	50

^a Average uncorrected binder content of 3 ignition oven tests performed.

^a Average maximum specific gravity reported on the JMF.

203-6.3.1 General. To the "GREENBOOK" and "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

203-6.3.1 General.

1. The Contractor shall submit in accordance with 3-8.4 a JMF that summarizes each asphalt concrete mix design for each class and grade of asphalt concrete required to construct the Work. Supporting information for the warm mix asphalt (WMA) technology and/or recycling agent, if included in a mixture, shall also be submitted e.g., C2 PG 58-16 (½ inch) (12.5 mm) and B3 PG 58-16 (¾ inch) (19 mm) asphalt concrete.
2. Asphalt concrete for JMF and Mix Designs shall be Type III and shall not exceed the allowable RAP level.
3. The JMF shall identify the source and the individual grading of each material used to produce the mix design (including the percentage and individual gradation of any manufactured or natural sands), the combined gradation, the optimum binder content (OBC), void content, reclaimed asphalt pavement (RAP) percentage, RAP gradation, RAP binder content, stability value, plant identification, mix number, WMA technology, and the source and performance grade of the paving asphalt. Upon request, the mix design test data represented by the JMF shall be immediately made available to the Engineer.
4. When greater than 25 percent RAP is to be included in a mixture, a mix design shall be submitted on Caltrans Forms CEM-3511 and CEM-3512 or another format as approved by the Engineer. The submittal shall include supporting information showing the viscosity of the individual binders (both the virgin paving asphalt grade and that of the binder recovered from the RAP); and the amount of recycling agent, if any, and the blended final viscosity in accordance with AASHTO M323.

5. For all mixtures, the asphalt binder content shall be defined as the total bituminous material present in the mix consisting of the blend of virgin paving asphalt, residual paving asphalt from RAP, and recycling agent.
6. Refer to Caltrans Standard Specifications, 39-2.01A(3)(b), "Job Mix Formula" for additional requirements for modifications, renewal, authorization, and quality control plan.
7. A new mix design shall be prepared and a new JMF submitted if:
 - a) the combined aggregate gradation is not within ± 3 percentage points of the gradation shown on the referenced mix design on any sieve,
 - b) the source of any aggregate is changed,
 - c) the performance grade of paving asphalt is changed,
 - d) the average binder content in a new fractionated RAP stockpile varies by more than ± 2.00 percent from the average RAP binder content reported on the JMF,
 - e) the average maximum specific gravity in a new fractionated RAP stockpile varies by more than ± 0.060 from the average maximum specific gravity value reported on the JMF.
8. AASHTO T 324 (Modified) is AASHTO T 324 (Standard Method of Test for Hamburg Wheel-Track Testing of Compacted Asphalt Mixtures) with the following parameters:
 - a) Target air voids must equal 7.0 ± 1.0 percent.
 - b) Specimen height must be 60 ± 1 mm.
 - c) Number of test specimens must be 4 to run 2 tests.
 - d) Do not average the 2 test results.
 - e) Test specimen must be a 150 mm gyratory compacted specimen.
 - f) Test temperature must be set at:
 1. 113 ± 2 degrees F for PG 58 for use of 25% RAP
 2. 22 ± 2 degrees F for PG 64 for use of 15% RAP
 3. Measurements for impression must be taken at every 100 passes along the total length of the sample.
 - g) Inflection point is the number of wheel passes at the intersection of the creep slope and the stripping slope at maximum rut depth.

- h) Testing shut off must be set at 25,000 passes.
 - i) Submersion time for samples must not exceed 4 hours.
9. Take samples under California Test 125.

ADD:

203-6.3.3

Asphalt Binder Replacement. Asphalt binder replacement shall be defined as the asphalt binder from RAP expressed as a percent of the total asphalt binder in the mixture. The asphalt binder replacement shall be calculated as a percentage of the approved JMF target asphalt binder content. The maximum asphalt binder replacement for mixtures containing RAP shall be 25 percent of the optimum binder content (OBC) for surface courses and 40 percent for leveling and base courses.

For Type A HMA with a binder replacement percent less than or equal to 25 percent of your specified OBC, you may request that the performance-graded asphalt binder grade with upper and lower temperature classifications be reduced by 6 degrees C from the specified grade.

Once the City has approved a mix design, the asphalt binder content shall be within 0.5% of the identified target binder contents for each mix design submitted.

Each approved asphalt plant and location shall perform an annual verification process with the City.

ADD:

203-6.4.5

Miscellaneous Areas and Dikes. For miscellaneous areas and dikes:

1. Choose the aggregate gradation from:
 - a) 1/2-inch Type A HMA aggregate gradation.
 - b) Dike mix aggregate gradation.
2. Choose asphalt binder Grade PG 58-16 or 64-10.
3. Minimum asphalt binder content must be:
 - a) 5.70 percent for 1/2-inch Type A HMA aggregate gradation.
 - b) 6.00 percent for dike mix aggregate gradation.

If you request and the Engineer authorizes, you may reduce the minimum asphalt binder content. Aggregate gradation for dike mix must be within the TV limits for the specified sieve size as shown below:

Sieve size	Target value limit	Allowable tolerance
1/2"	100	--
3/8"	---	95 - 100

Sieve size	Target value limit	Allowable tolerance
No. 4	73-77	TV ± 10
No. 8	58-63	TV ± 10
No. 30	29-34	TV ± 10
No. 200		0 - 14

For HMA used in miscellaneous areas and dikes, sections 203-6.3.1 do not apply.

203-6.7 Production. To the "GREENBOOK" ADD the following:

1. Before production, the HMA plant must have a current qualification under the City's Material Plant Quality Program for each mix design.

203-6.7.1 General. To the "GREENBOOK", ADD the following:

During production, the hot- or cold-feed proportion controls for virgin aggregate and RAP may be adjusted. For RAP substitution of 15 percent or less, RAP must be within ± 5 of the RAP percentage shown in the approved JMF form without exceeding 15 percent. For RAP substitution of greater than 15 percent, RAP must be within ± 5 of the RAP percentage shown in the approved JMF form without exceeding 25 percent.

Do not start HMA production before verification and authorization of JMF. The HMA plant must have a current qualification under the City's Material Plant Quality Program. Weighing and metering devices used to produce HMA modified with additives must comply with the City's MPQP. If a loss-in-weight meter is used for dry HMA additive, the meter must have an automatic and integral material delivery control system for the refill cycle.

Calibrate the loss-in-weight meter by:

1. Including at least 1 complete system refill cycle during each calibration test run
2. Operating the device in a normal run mode for 10 minutes immediately before starting the calibration process
3. Isolating the scale system within the loss-in-weight feeder from surrounding vibration
4. Checking the scale system within the loss-in-weight feeder for accuracy before and after the calibration process and daily during mix production
5. Using a minimum 15 minute or minimum 250 lb. test run size for a dry ingredient delivery rate of less than 1 ton per hour.
6. Complying with the limits of City's Conveyor Scale Testing

Proportion aggregate by hot or cold-feed control. The aggregate temperature must not be more than 375 degrees F when mixed with the asphalt binder. Asphalt binder temperature must be from 275 to 375 degrees F when mixed with aggregate. Mix HMA ingredients into a homogeneous mixture of coated aggregates.

HMA must be produced at the temperatures shown in the following table:

HMA compaction	Temperature (°F)
HMA	
Density based Method	s; 325 305–325

If you stop production for longer than 30 days, a production start-up evaluation is required.

SECTION 207 – GRAVITY PIPE

207-17.2.1 Identification Marks. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

207-17.2.1 Identification Marks. Polywrap shall not be used as pipe color identification for plastic pipe. All pipe, fittings, and couplings shall be clearly marked at intervals not to exceed 5 feet as follows:

- a. Color: Green (for wastewater applications).
- b. Nominal pipe diameter.
- c. PVC cell classification.
- d. Company, plant, shift, ASTM, SDR, and date designation.
- e. Service designation or legend.
- f. For fittings and couplings, the SDR designation is not required.

SECTION 209 – PRESSURE PIPE

209-1.1.1 General. To the "GREENBOOK", ADD the following:

1. PVC products, specifically type C900 and C905, as manufactured or distributed by J-M Manufacturing Company or JM Eagle shall not be used on the Contract for pressurized pipe.
2. Refer to AWWA C900-16 for all references to AWWA C905.

209-7.2 Requirements. To the "GREENBOOK", Table 209-7.2 DELETE in its entirety and SUBSTITUTE with the following:

TABLE 209-7.2

Function	Type	Materials/Method
Pipe Contents Identification	Pipe Color (Plastic Pipe or Polywrap ¹)	Blue for Potable Water. Purple for Recycled Water.

Function	Type	Materials/Method
		Green for Sewage.
		AND
	Stenciling	Stenciling marked on pipe in contrasting color to background color of pipe stating: "POTABLE WATER", "CAUTION RECYCLED WATER - DO NOT DRINK" or "CAUTION SEWER" as appropriate.
		5/8" (16 mm) high letters.
		Repeated at 1 foot (300 mm) intervals.
		OR
	Identification Tape	Polyethylene tape 6" (150 mm) wide and 4 mils (100 µm) minimum thickness with 2" (50 mm) high letters stating: "POTABLE WATER", "CAUTION RECYCLED WATER - DO NOT DRINK" or "CAUTION SEWER" as appropriate. For pipe > 12" (300 mm) diameter, use 12" (300 mm) wide tape.
		Color - Blue With white letters for potable water, Purple With white letters for recycled water, Green with white letters for sewage.
		Attached to top of pipe with adhesive tape.
Pipe Warning and Locating	Warning and Locating Tape	Polyethylene tape 6" (150 mm) Wide and 4 mils (100 µm) minimum thickness with 2"(50 mm) high letters stating: "CAUTION: WATERLINE BURIED BELOW", "CAUTION RECLAIMED WATERLINE BURIED BELOW - DO NOT DRINK", or "CAUTION: SEWER BURIED BELOW" as appropriate. For pipe > 12" (300 mm) diameter, use 12" (300 mm) wide tape.
		Color - blue with black or white letters for potable water, Purple With black or white letters for recycled water, Green with black or white letters for sewage.
		Place in pipe trench 18" (450 mm) above pipe.
		Tape shall contain metallic strip that can be registered by magnetic field locating device.
		OR
	Locating Wire	In lieu of installing metallic warning tape; non-metallic warning tape 18" (450 mm) above pipe and 10-gauge copper wire attached to top of pipe and accessibly terminated may be used.

¹Polywrap shall not be used as pipe color identification for plastic pipe.

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

301-1.6 Preparatory Repair Work. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. Prior to the placement of any asphalt concrete or application of slurry, you shall complete all necessary preparation and repair Work and shall obtain approval by the Resident Engineer.
2. No preparatory asphalt Work shall be done when the atmospheric temperature is below 50° F (10° C) or during unsuitable weather.
3. Preparatory Work shall include tree trimming, weed spray, weed abatement, crack sealing, asphalt repair, cold milling, hump removal, lump removal, subgrade preparation and subgrade or base repair, removal of raised

pavement markers, removal of pavement markings, location of public and private utilities and appurtenances, all Concrete works, and all other necessary works as specified in the Special Provisions and Contract Documents or as directed by the Engineer.

4. After the completion of the preparatory work, you shall install compacted asphalt concrete pavement according to the thickness specified in the Special Provisions and Contract Documents or a minimum of 2 inches (50.8 mm) for residential streets and a minimum of 3 inches (76.2 mm) for all other streets or as directed by the Engineer.
5. You shall identify the location of all utilities vaults, valves, and other appurtenances not included in the project scope requiring relocation or adjustment to grade by other agencies/companies by marking the face of the curb closest to the utility appurtenance as follows:
 1. Offset distance of the appurtenance from the curb face
 2. The limits of the appurtenance or corners of the vault/box
6. The quantities shown in the Contract Documents, when applicable, are based on a street assessment survey and may vary. The Engineer will designate the limits to be removed and prepared and these designated areas shall be considered to take precedence over the areas shown in the Contract Documents, when applicable.
7. You shall repair areas of distressed asphalt concrete pavement by milling or removing damaged areas of pavement to a minimum depth of 2 inches (50.8 mm) for residential streets and a minimum depth of 3 inches (76.2 mm) for all others except where specified otherwise in the Special Provisions and Contract Documents or as directed by the Engineer to expose firm and unyielding pavement as specified.
8. If, in order to achieve the minimum specified depth, the base material or native subgrade is exposed, you shall notify the Engineer the material shall be compacted to 95% relative compaction.
9. Compaction tests shall be made to ensure compliance with the specifications.
10. The QCP shall establish location and timing of compaction testing and shall be subject to approval by the Engineer. You shall reimburse the City for the cost of retesting failing compaction tests conducted as part of the City of San Diego Quality Assurance testing.
11. If additional base material is required, you shall use Class 2 aggregate base in accordance with 200-2.9.1, "Class 2 Aggregate Base" or as directed by the Engineer.
12. Prior to placement of compacted asphalt concrete pavement, you shall prepare the subgrade as needed and install a minimum of 2 or 3 inches as specified in the contract documents and special provisions, of compacted asphalt concrete pavement over native material as directed by the Engineer.

13. Areas of damaged asphalt requiring base repair work including excavation, placement of asphalt concrete, asphalt concrete base, and Class 2 aggregate base, have been identified in the Contract Documents, when applicable, as "DO", Dig Out, also called Base Repairs.
14. When applicable, the areas and quantities shown in the Contract Documents are given only for the Contractor's aid in planning the Work and preparing Bids. You shall identify any new areas that require repair prior to paving in order to construct a smooth and stable pavement surface. Upon approval by the engineer, the repair locations shall be incorporated into scope of work and shall not be considered extra work. You shall mark the pavement area as "DO" or as directed by the Engineer.
15. Prior to replacing asphalt, the area shall be cleaned by removing all loose and damaged material, moisture, dirt, and other foreign matter and shall be tack coated in accordance with 302-5.4, "Tack Coat".
16. When milling and/or grinding asphalt pavement for base repair and the contractor encounters level and unyielding PCC trench caps or appurtenance collars before reaching the minimum depth of 2 inches, then the You shall place enough asphalt concrete pavement to bring the surface to be level with the adjacent roadway. Asphalt Concrete Base shall be Type III-B3-PG 64-10 and Asphalt Concrete Pavement shall be Type III-C2-PG 64-10 as directed by the Engineer.
17. You shall install new asphalt within the repair area or for patches in accordance with 302-5, "ASPHALT CONCRETE PAVEMENT". Asphalt concrete shall be Type III-C2-PG 64-10 in compliance with 203-6.3.1 "General".
18. Recycled base material shall conform to Class 2 aggregate base material in accordance with 200-2.4, "**Class 2 Aggregate Base**".
19. Following the asphalt placement, you shall roll the entire area of new asphalt in both directions at least twice. The finished patch shall be level and smooth in compliance with 302-5.6.2, "Density and Smoothness". After placement and compaction of the asphalt patch, you shall seal all finished edges with a 4 inch (101.6 mm) wide continuous band of SS-1H.
20. Materials removed, regardless of removal method, shall be disposed of at a legal site.
21. The minimum dimensions for each individual repair shall be 4 feet by 4 feet (1.2 m by 1.2 m) and shall be subject to the following conditions:
 - a. If the base material is exposed, to achieve the required minimum removal thickness, the base material shall be prepared conforming to 301-1, "SUBGRADE PREPARATION".
 - b. Base repairs shall have a minimum depth of 10".
 - c. You shall repair the areas shown in the Contract Documents, when applicable, of distressed asphalt concrete to remove damaged areas of pavement in accordance with 404-1, to expose firm and unyielding

pavement, base, or native soils, regardless of materials encountered. Unyielding pavement will have no visible cracks and unyielding base, or native soils will be properly compacted, as determined by the Engineer. If cracks are visible, then pavement is not unyielding and shall require additional depth be removed as directed by the Engineer. The Contractor shall prepare subgrade as needed and install a maximum of 5" compacted asphalt concrete pavement over the compacted base material to be level with the adjacent roadway surface.

- d. When additional base material is required, then you shall use Class 2 aggregate base in accordance with 200-2.4, "Class 2 Aggregate Base or as directed by the Engineer.
- e. Recycled base material shall conform to Class 2 aggregate base material in accordance with 200-2.4, **"Class 2 Aggregate Base"**.
- f. You may use grinding as a method for removal of deteriorated pavement when the areas indicated for removal are large enough (a minimum of the machine drum width) and when approved by the Engineer.
- g. For both scheduled and unscheduled base repairs, failed areas may be removed by milling or by excavation provided that the edges are cut cleanly with a saw. The areas shall be cleaned, and tack coated in accordance with 302-5.4, "Tack Coat" before replacing the asphalt pavement. Please refer to Contract Documents, if available.
- h. Base repair areas where failed pavement is removed either by cold milling or by excavation shall be restored to existing pavement grade with **"Class 2 Aggregate Base"** at 5 inches, and 5 inches of "Asphalt Concrete Base" shall be placed atop the layer of **"Class 2 Aggregate Base"** unless otherwise directed by the Engineer. These areas have been identified in the Contract Documents, when applicable, as "DO". The Crushed Miscellaneous Base shall be in accordance with 200-2.9, **"Class 2 Aggregate Base"**. The Asphalt Concrete Base shall be Type III-B3-PG 64-10 as specified in 203-6, "ASPHALT CONCRETE". "General" Preliminary quantities are identified in the Contract Documents but may need to be increased and approved by the Engineer at the time of construction. Base Repairs shall not exceed 25% RAP in content.
- i. A Base repair identified prior to initiation of the preparatory work shall be considered scheduled.
- j. A Base repair is considered unscheduled when it is not identified in the Contract Documents, when applicable, as "DO" prior to initiation of preparatory work or when you are directed by the Engineer to perform an unscheduled base repair for the proper placement of an asphalt overlay.
- k. At the end of each day the Contractor shall submit to the Engineer an itemized list of the asphalt pavement and base repair work completed. The list shall include but not be limited to the location of the work, the

exact square footage of the repair, cubic yards of excavation, tons of asphalt concrete base placed, and tons of Class 2 aggregate base material placed or as directed by the Engineer.

301-1.7

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

1. The demolition, removal, and disposal of various types of existing hardscape in parkway areas, such as colored concrete, bricks, flagstone in the parkway or right-of-way, shall be included under the lump sum Bid items or for the Contract Unit Prices for which hardscape removal is required. When required, hardscape in parkways shall be replaced with Class A Top Soil or as directed by the Engineer.
2. The payment for the preparatory works shall be included in the lump sum Bid Items and Contract Unit Prices for which preparation works are performed, unless it is specified as a separate Bid Item.
3. The areas and quantities shown in the Contract Documents, when applicable, are given only for the Contractor's aid in planning the Work and preparing Bids. The Engineer will designate the limits to be removed and prepared and these designated areas shall be considered to take precedence over the areas shown in the Contract Documents. The quantities shown in the Contract Documents, when applicable, are based on a street assessment survey and may vary. No payment shall be made for areas of over excavation as determined by the Engineer.
4. Asphalt pavement subgrade repair and base repair dig-outs within the influence zone, shall be included in the Bid Item for "**Construction (Water)**" and/or "**Construction (Sewer)**" and excludes any base repair areas identified outside the influence area on Hugo St from Plum to End and Ingelow Street from Rosecrans to Scotts Street. No Payment shall be made for areas of over excavation as determined by the Engineer.
5. When Cold Milling is used as a method for excavation for subgrade or base repair areas within the influence area for pavement, Cold Milling shall be included in the Bid Item for "**Construction (Water)**" and/or "**Construction (Sewer)**" and excludes any base repair areas identified outside the influence area on Hugo St from Plum to End and Ingelow from Rosecrans to Scotts Street.
6. The payment for Excavation of base repair areas within the influence area shall be included in the Bid Item for "**Construction (Water)**" and/or "**Construction (Sewer)**" and excludes any base repair areas outside the influence area identified on Hugo Street from Plum to End and Ingelow Street from Rosecrans to Scotts Street. Proof of proper disposal and/or recycling at a legal site for quantities excavated shall be required in advance of payment as directed by the Engineer and shall be subject to approval by the Engineer for payment. No additional payment shall be made for milling, grinding, saw cutting, hauling,

disposal of concrete, pavement fabric, rubberized material, steel reinforcement, or any other material.

7. No additional payment shall be made for milling, grinding, saw cutting, stockpiling, hauling, disposal of concrete, pavement fabric, rubberized material, steel reinforcement, or any other material.

301-2.4 Measurement and Payment. To the "GREENBOOK", ADD the following:

1. Payment for Class 2 aggregate base material installed shall include all necessary works such as hauling, placement, and compaction as directed by the Engineer and shall be included in the Bid Item for "**Construction (Water)**" and/or "**Construction (Sewer)**" and excludes any base material needed for areas outside the influence area for Hugo Street from Plum to End and Ingelow Street from Rosecrans to Scotts Street.

SECTION 302 – ROADWAY SURFACING

302-5.2 Pavement Restoration Adjacent to Trench. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

302-5.2 Pavement Restoration Adjacent to Trench Influence Zone.

1. The Work for pavement restoration shall include the replacement of existing pavement outside of the trench influence zone in accordance with SECTION 302 – ROADWAY SURFACING, and as shown on the Plans.
2. Prior to the commencement of the Work, you shall meet with the Engineer and determine the limits of the pavement to be replaced.
3. Existing pavement shall be removed in accordance with SECTION 404 – COLD MILLING, and as shown on the Plans.
4. Areas of damaged pavement requiring base repair Work shall be restored in accordance with Section 301-1.6, "Preparatory Repair Work", and as shown on the Plans.

302-5.2.1 Measurement and Payment. To the "WHITEBOOK", item 1, DELETE in its entirety and SUBSTITUTE with the following:

1. The payment for asphalt concrete pavement restoration within the influence zone shall be included in the Bid Items for "**Construction (Water)**" and "**Construction (Sewer)**" in which the work was performed. The payment for asphalt concrete pavement restoration outside of the trench influence zone, if applicable, shall be made on a tonnage basis in accordance with Section 302-5.9, "Measurement and Payment", and paid for under Bid Item "**Asphalt Concrete Overlay (2 Inch)**" as applicable:
 - a) Saw-cutting existing edges.
 - b) Applying tack coat.
 - c) Placement, curing, and protection of new pavement.

2. The payment for asphalt concrete pavement restoration within the influence zone shall be included in the Bid Items for **"Construction (Water)"** and **"Construction (Sewer)"** in which the work was performed. The payment for removal of existing asphalt concrete pavement outside the influence shall be made on square foot basis in accordance with Section 404-12, "Payment", and paid for under Bid Item **"Cold Milling (2 Inch)"**, as applicable.
3. The payment for base repair Work shall be made in accordance with Section 301-1.7, "Payment".

302-5.4 Tack Coat. To the "WHITEBOOK", ADD the following:

3. Prior to applying the tack coat, submit calculations for the minimum spray rate required to achieve the minimum residual rate.

302-6.1 General. To the "WHITEBOOK", item 3, DELETE in its entirety and SUBSTITUTE with the following:

3. The thickness of the new concrete pavement shall be in accordance with Standard Drawing SDG-108, "Pavement Restoration for Concrete Surfaced Streets and Alleys - Major Excavation".

SECTION 303 - CONCRETE AND MASONRY CONSTRUCTION

303-5.10.1 Installation. To the "WHITEBOOK", ADD the following:

8. Where it is infeasible for a curb ramp run to intersect the street grade at the maximum allowable slope, a slope steeper than 8.33% may be used to limit the ramp run length to 15 ft. The 15-foot measurement excludes landings and shall measure the inside back edge of a sidewalk radius.

303-5.10.2 Payment. To the "WHITEBOOK", item 1 and item 2, DELETE in their entirety and SUBSTITUTE with the following:

1. The payment for each curb ramp shall include:
 - a. Ramp runs & transition areas (up to 15 ft),
 - b. Landings,
 - c. DWTs,
 - d. Demolition and disposal,
 - e. Forming,
 - f. Relocating or raising items in conflict to grade,
 - g. Protecting and preserving existing survey monuments and improvements,
 - h. Restoring pavement.

2. Additional concrete sidewalk and curb quantities beyond 15 feet (4.6 m), measured from the inside back edge of the sidewalk radius where it intersects with the landing, shall be included in the Bid items for **"Construction (Water)" and Construction (Sewer)"**.

SECTION 306 – OPEN TRENCH CONDUIT CONSTRUCTION

306-1 GENERAL. To the "GREENBOOK", ADD the following:

1. All Work under this section shall be subject to the applicable permanent resurfacing restoration requirements in accordance with the following City of San Diego Standard Drawings.
 - a. SDG-105, "Pavement Restoration General Notes"
 - b. SDG-107, "Pavement Restoration for Asphalt Concrete Surfaced Streets - Major Excavation"
 - c. SDG-108, "Pavement Restoration for Concrete Surfaced Streets and Alleys - Major Excavation"
 - d. SDG-117, "Pavement Restoration for Asphalt Concrete Surface Streets - Minor Excavation"
 - e. SDG-118, "Pavement Restoration for Concrete Surface Streets and Alleys - Minor Excavation"

306-1.1 High-line Phasing. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. Build the Project in accordance with the water high-lining phasing as determined in Design.

306-3.3.4 Payment. To the "WHITEBOOK", ADD the following:

12. The payment for pavement restoration including influence area shall be included in the Bid items for the associated abandonment Work.

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.

306-15 PAYMENT. To the "GREENBOOK", ADD the following:

1. Payment for pavement restoration, including influence area, shall be included in the associated Bid items pertinent to the Work.

306-15.1 General. To the "WHITEBOOK", item 1, subitem n, DELETE in its entirety and SUBSTITUTE with the following:

- n. Permanent resurfacing. See **306-1 GENERAL** for permanent pavement restoration requirements.

306-15.6 Hydrants. To the "WHITEBOOK", ADD the following:

5. Payment for pavement restoration, including influence area, shall be included in the associated Bid items pertinent to the Work.
6. See **306-1 GENERAL** for permanent resurfacing requirements.

306-15.7 Buried Structures. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

306-15.7 Buried Structures. To the "GREENBOOK", sentence (3), DELETE in its entirety and SUBSTITUTE with the following:

The Contract Unit Price shall include excavation, backfill, disposal of all excess excavation, constructing inverts, furnishing and installing castings, restoration of the street surface (See **306-1 GENERAL** for permanent resurfacing requirements) and improvements including but not limited to sidewalk panel, and all other Work, excluding temporary resurfacing, necessary to construct the buried structure, complete in-place.

306-15.8 Pipeline Appurtenances. To the "WHITEBOOK", ADD the following:

10. Payment for pipeline appurtenances will be made at the contract unit price for each appurtenance of the size including permanent resurfacing requirements. See **306-1 GENERAL** for permanent resurfacing requirements.

306-16.6 Payment. To the "WHITEBOOK", ADD the following:

6. All Work under this section shall be subject to the applicable permanent resurfacing restoration requirements in accordance with the following City of San Diego Standard Drawings. Payment for pavement restoration, including influence area, shall be included in the associated Bid items pertinent to the Work.
 - a. See **306-1 GENERAL** for permanent resurfacing requirements.

306-17.2 **Payment.** To the "WHITEBOOK", ADD the following:

12. All Work under this section shall be subject to the applicable permanent resurfacing restoration requirements in accordance with the following City of San Diego Standard Drawings. Payment for pavement restoration, including influence area, shall be included in the associated Bid items pertinent to the Work.
13. See **306-1 GENERAL** for permanent resurfacing requirements.

SECTION 307 - JACKING AND TUNNELING

307-1 **JACKING OPERATIONS.** To the "GREENBOOK", ADD the following:

1. All Work under this section shall be subject to the applicable permanent resurfacing restoration requirements in accordance with the following City of San Diego Standard Drawings. Payment for pavement restoration, including influence area, shall be included in the associated Bid Items pertinent to the Work.
 - a) SDG-105, "Pavement Restoration General Notes"
 - b) SDG-107, "Pavement Restoration for Asphalt Concrete Surfaced Streets - Major Excavation"
 - c) SDG-108, "Pavement Restoration for Concrete Surfaced Streets and Alleys - Major Excavation"
 - d) SDG-117, "Pavement Restoration for Asphalt Concrete Surface Streets - Minor Excavation"
 - e) SDG-118, "Pavement Restoration for Concrete Surface Streets and Alleys - Minor Excavation"

307-1.7 **Payment.** To the "WHITEBOOK", ADD the following:

2. All Work under this section shall be subject to the applicable permanent resurfacing restoration requirements in accordance with the following City of San Diego Standard Drawings. Payment for pavement restoration, including influence area, shall be included in the associated Bid items pertinent to the Work.
3. See **307-1 JACKING OPERATIONS** for permanent resurfacing requirements.

SECTION 308 - MICROTUNNELING

308-1 **GENERAL.** To the "GREENBOOK", ADD the following:

1. All Work under this section shall be subject to the applicable permanent resurfacing restoration requirements in accordance with the following City of

San Diego Standard Drawings. Payment for pavement restoration, including influence area, shall be included in the associated Bid Items pertinent to the Work.

- a. SDG-105, "Pavement Restoration General Notes"
- b. SDG-107, "Pavement Restoration for Asphalt Concrete Surfaced Streets - Major Excavation"
- c. SDG-108, "Pavement Restoration for Concrete Surfaced Streets and Alleys - Major Excavation"
- d. SDG-117, "Pavement Restoration for Asphalt Concrete Surface Streets - Minor Excavation"
- e. SDG-118, "Pavement Restoration for Concrete Surface Streets and Alleys - Minor Excavation"

308-10 RESTORATION OF SURFACE IMPROVEMENTS. To the "GREENBOOK", DELETE in its entirety and SUBSTITUTE with the following:

See Section **308-1 GENERAL** for permanent resurfacing requirements.

308-12 PAYMENT. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

- 1. The payment for microtunneling, including casing, carrier pipes, and surface improvement restoration, shall be included in the Bid item for "**Construction (Sewer)**".

SECTION 315 - HORIZONTAL DIRECTIONAL DRILLING

315-1 GENERAL. To the "WHITEBOOK", ADD the following:

- 2. All Work under this section shall be subject to the applicable permanent resurfacing restoration requirements in accordance with the following City of San Diego Standard Drawings. Payment for pavement restoration, including influence area, shall be included in the associated Bid Items pertinent to the Work.
 - a. SDG-105, "Pavement Restoration General Notes"
 - b. SDG-107, "Pavement Restoration for Asphalt Concrete Surfaced Streets - Major Excavation"
 - c. SDG-108, "Pavement Restoration for Concrete Surfaced Streets and Alleys - Major Excavation"
 - d. SDG-117, "Pavement Restoration for Asphalt Concrete Surface Streets - Minor Excavation"
 - e. SDG-118, "Pavement Restoration for Concrete Surface Streets and Alleys - Minor Excavation"

315-14 MEASUREMENT AND PAYMENT. To the "WHITEBOOK", ADD the following:

3. See Section **315-1 GENERAL** for permanent resurfacing requirements.

SECTION 316 – PIPE BURSTING

316-1 GENERAL. To the "WHITEBOOK", ADD the following:

2. All Work under this section shall be subject to the applicable permanent resurfacing restoration requirements in accordance with the following City of San Diego Standard Drawings. Payment for pavement restoration, including influence area, shall be included in the associated Bid Items pertinent to the Work.
 - a. SDG-105, "Pavement Restoration General Notes"
 - b. SDG-107, "Pavement Restoration for Asphalt Concrete Surfaced Streets - Major Excavation"
 - c. SDG-108, "Pavement Restoration for Concrete Surfaced Streets and Alleys - Major Excavation"
 - d. SDG-117, "Pavement Restoration for Asphalt Concrete Surface Streets - Minor Excavation"
 - e. SDG-118, "Pavement Restoration for Concrete Surface Streets and Alleys - Minor Excavation"

316-9 MEASUREMENT AND PAYMENT. To the "WHITEBOOK", ADD the following:

3. See Section **316-1 GENERAL** for permanent resurfacing requirements.

SECTION 400 – PROTECTION AND RESTORATION

400-1 GENERAL. To the "WHITEBOOK", ADD the following:

6. All Work under this section shall be subject to the applicable permanent resurfacing restoration requirements in accordance with the following City of San Diego Standard Drawings. Payment for pavement restoration, including influence area, shall be included in the associated Bid Items pertinent to the Work..
 - a. SDG-105, "Pavement Restoration General Notes"
 - b. SDG-107, "Pavement Restoration for Asphalt Concrete Surfaced Streets - Major Excavation"
 - c. SDG-108, "Pavement Restoration for Concrete Surfaced Streets and Alleys - Major Excavation"
 - d. SDG-117, "Pavement Restoration for Asphalt Concrete Surface Streets - Minor Excavation"

- e. SDG-118, "Pavement Restoration for Concrete Surface Streets and Alleys - Minor Excavation"

SECTION 401 - REMOVAL

401-3.1 Concrete Pavement. To the "WHITEBOOK", ADD the following:

- 4. See Section **400-1 GENERAL** for permanent resurfacing requirements.

401-3.2 Concrete Curb, Walk, Gutters, Cross Gutters, Curb Ramps, Driveway, and Alley Intersections. To the "WHITEBOOK", ADD the following:

- 7. See Section **400-1 GENERAL** for permanent resurfacing requirements.

SECTION 402 – UTILITIES

402-1.1 General. To the "GREENBOOK", paragraph 5, DELETE in its entirety and SUBSTITUTE with the following:

The Contractor shall complete excavation, backfill, and placement of temporary resurfacing on the same Day. Backfill shall conform to 306-12. Temporary resurfacing shall conform to 306-13.1. Permanent resurfacing shall be placed within 10 Working Days unless otherwise specified in the Special Provisions or directed by the Engineer. See Section **400-1 GENERAL** for permanent resurfacing requirements.

To the "WHITEBOOK", item 2, DELETE in its entirety and SUBSTITUTUTE with the following:

- 2. You shall fill all potholes on the same day of potholing if no trenching is to be performed within 10 Working Days of the excavation. Fully restore all potholes and any damaged surrounding areas to their original condition unless otherwise specified by the Engineer. Permanent resurfacing shall conform to SDG-123, "36-Inch and Smaller Pothole and Exploratory Excavation".

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", DELETE in its entirety and SUBSTITUTE with 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).

402-8 PAYMENT. To the "WHITEBOOK", ADD the following:

- 6. Payment for pavement restoration, including influence area, shall be included in the associated Bid items pertinent to the Work.

SECTION 404 – COLD MILLING

404-1 GENERAL. To the "WHITEBOOK", item 1, DELETE in its entirety and SUBSTITUTE with the following:

1. Excessive asphalt concrete pavement adjacent to Type "G" and "H" curb and gutter lines and concrete cross gutters shall be milled in accordance with the City of San Diego Standard Drawing SDG-107, "Pavement Restoration for Asphalt Concrete Surfaced Streets - Major Excavation", or as shown on the Plans.

SECTION 500 – PIPELINE REHABILITATION

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

5. All Work under this section shall be subject to the applicable permanent resurfacing restoration requirements in accordance with the following City of San Diego Standard Drawings. Payment for pavement restoration, including influence area, shall be included in the associated Bid Items pertinent to the Work.
 - a) SDG-105, "Pavement Restoration General Notes"
 - b) SDG-107, "Pavement Restoration for Asphalt Concrete Surfaced Streets - Major Excavation"
 - c) SDG-108, "Pavement Restoration for Concrete Surfaced Streets and Alleys - Major Excavation"
 - d) SDG-117, "Pavement Restoration for Asphalt Concrete Surface Streets - Minor Excavation"
 - e) SDG-118, "Pavement Restoration for Concrete Surface Streets and Alleys - Minor Excavation"

500-4.7 Payment. To the "WHITEBOOK", DELETE in its entirety and SUBSTITUTE with the following:

1. The point repair Work shall be measured and paid for in the Bid Item for **"Construction (Sewer)"**. Measurement shall be made at the pipe and shall be based on the length of pipe repaired. You shall be paid for 1 point repair for each repair 8 ft (2.43 m) or less in length. Any continuous point repair greater than 8 ft (2.43 m), shall be included in the bid item **"Construction (Sewer)"**. This payment shall include all necessary labor, materials, and equipment to clean, repair, excavate, inspect the Point Repair, backfill and restore pavement. See **500-1 GENERAL** for permanent pavement restoration requirements.

SECTION 503 – SERVICE LATERAL REHABILITATION

503-1 GENERAL. To the "WHITEBOOK", ADD the following:

7. All Work under this section shall be subject to the applicable permanent resurfacing restoration requirements in accordance with the following City of San Diego Standard Drawings. Payment for pavement restoration, including influence area, shall be included in the associated Bid items pertinent to the Work.
 - a. SDG-105, "Pavement Restoration General Notes"
 - b. SDG-107, "Pavement Restoration for Asphalt Concrete Surfaced Streets - Major Excavation"
 - c. SDG-108, "Pavement Restoration for Concrete Surfaced Streets and Alleys - Major Excavation"
 - d. SDG-117, "Pavement Restoration for Asphalt Concrete Surface Streets - Minor Excavation"
 - e. SDG-118, "Pavement Restoration for Concrete Surface Streets and Alleys - Minor Excavation"

503-6 PAYMENT. To the "WHITEBOOK" item 3, DELETE in its entirety and SUBSTITUTE with the following:

3. The point repair Work for sewer laterals shall be in accordance with 500-4, "PIPELINE POINT REPAIR AND/OR REPLACEMENT" and shall be included in the Bid Item for "**Construction (Sewer)**". Measurement shall be made at the pipe and shall be based on the length of pipe repaired. You shall be paid for 1 point repair for each repair 8 ft (2.43 m) or less in length. Any continuous point repair greater than 8 ft (2.43 m), shall be included in the bid item "**Construction (Sewer)**". This payment shall include all necessary labor, materials, and equipment to clean, repair, excavate, inspect the Point Repair, backfill, pavement restoration (and influence area) including sidewalks, driveways and any other above ground improvements.

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

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

5. Engineered TCP (2 foot x 3 foot size) shall be required for the following areas:
 - a) Rosecrans St.

SECTION 700 – MATERIALS

700-1.3 (86-1.02B) Conduit. To the "WHITEBOOK", item 1, DELETE in its entirety and SUBSTITUTE with the following:

1. When approved by the Engineer, conduit runs shown on the plans to be located behind curbs may be installed in the street, within 4 feet of and parallel to the curb, by narrow trenching. All pull boxes shall be located behind the curb or at locations shown on the plans. Narrow trenching shall be performed in accordance with the latest City Standards. Any changes in conduit location shall be approved in advance by the Engineer. All narrow trenching shall conform to the City of San Diego Standard Drawings SDG-117, "Pavement Restoration for Asphalt Concrete Surface Streets - Minor Excavation", SDG-118, "Pavement Restoration for Concrete Surface Streets and Alleys - Minor Excavation" and be inspected prior to backfill. Trenches behind sidewalks shall be compacted using compaction tools to ensure no sinking of trench will occur. Trenches wider than 6 inch (15.2 cm) shall conform to the City of San Diego Standard Drawings SDG-107, "Pavement Restoration for Asphalt Concrete Surfaced Streets - Major Excavation", SDG-108, "Pavement Restoration for Concrete Surfaced Streets and Alleys - Major Excavation", and SDG-119, "Trench Types G, H & I Backfill for Dry Utility". A 3-inch (7.6 mm) bed of fine soil or sand shall be placed in the trench.

SECTION 701 - CONSTRUCTION

701-2 PAYMENT. To the "WHITEBOOK", item 3, DELETE in its entirety and SUBSTITUTE with the following:

3. The payment for the trenching and pavement restoration, including influence areas, is included in the payment for the associated Work.

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

SECTION 901 – INSTALLATION AND CONNECTION

901-1.1.2.3 High-lining Removed by the Contractor. To the "WHITEBOOK", item 2, DELETE in its entirety and SUBSTITUTE with the following:

2. After removing all high-lining construction material and debris, you shall restore streets, curbs, gutters, sidewalks, fire hydrants, and other disturbed facilities in accordance with PART 4 - EXISTING IMPROVEMENTS. Street resurfacing shall be restored in accordance with the SDG-107, "Pavement Restoration for Asphalt Concrete Surfaced Streets - Major Excavation", SDG-108, "Pavement Restoration for Concrete Surfaced Streets and Alleys - Major Excavation".

901-2.4 Pavement Restoration. To the "WHITEBOOK", item 2, DELETE in its entirety and SUBSTITUTE with the following:

2. After the final connection is completed, you shall remove all temporary resurfacing, compact sub-grade and restore affected area with permanent resurfacing in accordance with the following City of San Diego Standard Drawings. Payment for pavement restoration, including influence area, shall be included in the associated Bid Items pertinent to the Work.
 - a. SDG-105, "Pavement Restoration General Notes"
 - b. SDG-107, "Pavement Restoration for Asphalt Concrete Surfaced Streets - Major Excavation"
 - c. SDG-108, "Pavement Restoration for Concrete Surfaced Streets and Alleys - Major Excavation"
 - d. SDG-117, "Pavement Restoration for Asphalt Concrete Surface Streets - Minor Excavation"
 - e. SDG-118, "Pavement Restoration for Concrete Surface Streets and Alleys - Minor Excavation"

901-2.5 Payment. To the "WHITEBOOK", item 1, subitem g, and item 3, DELETE in their entirety and SUBSTITUTE with the following:

- g. Pavement Restoration including influence area.
3. Traffic Control, saw cutting the trench area, trench caps, and other spot repairs in the vicinity of the disturbed area at each restored connection shall be included in the Bid Item for "**Construction (Water)**". Asphalt Overlay Work outside the influence area shall be paid for under separate Bid items.

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: Roseville-Fleet Ridge Improv 1 **Project No. / WBS No.:** B-22092.02.06 (W) & B-22097.02.06 (S)

Project Location-Specific: Work is proposed on the following streets and locations: Chatsworth Boulevard between Orchard Avenue and Garrison Street; Garrison Street between Chatsworth Boulevard and Garrison Place; Garrison Place; Point Loma Avenue between Fleet Ridge Drive and Cañon Street; Point Loma Way; Liggett Way; Liggett Drive between Point Loma Avenue and Del Mar Avenue; Fenelon Street between Liggett Drive and Carleton Street; Liggett Drive between Fenelon Street and Carleton Street; Carleton Square; Carleton Street between Liggett Drive and Fenelon Street; Fenelon Street between Carleton Street and Clove Street; Garrison Street between Liggett Street and Clove Street; Hugo Street from cul-de-sac northwest of Clove to Plum Street; Hugo Street between Willow Street and Rosecrans Street; Plum Street between Hugo Street and Dickens Street; Emerson Street between Willow Street and Rosecrans Street; Dickens Street between Clove Street and Willow Street; Ingelow Street between Rosecrans Street and Scott Street; Scott Street between Jarvis Street and Ingelow Street; Carleton Street between Emerson Street and Clove Street and Addison Street between Emerson Street and Clove Street. All proposed work occurs within the Peninsula Community Planning Area (Council District 2).

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

Description of nature and purpose of the Project: This project proposes sewer, water and street improvements.

Sewer Improvements:

Rehabilitation of approximately 10,688 linear feet (2.02 mi) of 8-inch vitrified clay (VC) sewer mains via trenchless methods, access would be from manhole to manhole and/or clean out. Work includes installation of 11 new cleanouts (i.e., replace existing plugs), 1 new manhole and 6 points of repairs requiring excavation to depth of the existing sewer main.

Water Improvements

Replace-in-place approximately 5,965 linear feet (1.13 miles) of water mains via open trench as the existing water main, including all associated water services, fire hydrants, valves, water meters, and other appurtenances. Replacement water is not anticipated to go deeper than existing, except if certain locations need to be brought to design standard depth in the case of a shallow main.

Street Improvements:

Resurface approximately 3,424 linear feet (0.65 miles) of streets with AC overlays within the project area. Work includes new and replacement curb ramps along with sidewalk improvements to comply with American with Disabilities Act (ADA).

Geotechnical investigation(s) during design is assumed.

A portion of the project located along Ingelow Street and Scott Street occurs within City non-appealable coastal area. Project to be exempt from a Coastal Development Permit per San Diego Municipal code Section 126.0706 (e).

Name of Public Agency Approving Project: City of San Diego

Name of Person or Agency Carrying Out Project: City of San Diego
Engineering and Capital Projects Department
Contact: Nicholas Ferracone
Email/Phone No.: nwferracone@sandiego.gov / (619) 533-4182
525 B Street, Suite 750 (MS 908A), San Diego, CA 92101

Exempt Status: (CHECK ONE)

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

Reasons why project is exempt: The City of San Diego conducted an environmental review which determined that the project meets the categorical exemption criteria set forth in CEQA State Guidelines, Section 15301 (Existing Facilities) which consist of the rehabilitation of existing public utilities such as water and sewer mains, laterals, manholes, clean outs, fire hydrants, valves, water meter; Section 15302 (Replacement and Reconstruction) which consist of the replacement or reconstruction of existing public water and sewer mains, laterals, manholes, clean outs, fire hydrants, valves, water meter, points of repair and other appurtenances; Section 15303 (New Construction) which allows for the construction of additional manholes and cleanouts for existing pipelines and new curb ramps; and where the exceptions listed in Section 15300.2 would not apply.

Lead Agency Contact Person: Nicholas Ferracone

Telephone: (619) 533-4182

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, Deputy Director

10/23/23

Date

Check One:

- ☒ Signed By Lead Agency
- ☐ Signed by Applicant

Date Received for Filing with County Clerk or OPR:

APPENDIX B

FIRE HYDRANT METER PROGRAM

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

1. **PURPOSE**

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

2. **AUTHORITY**

- 2.1 All authorities and references shall be current versions and revisions.
- 2.2 San Diego Municipal Code (NC) Chapter VI, Article 7, Sections 67.14 and 67.15
- 2.3 Code of Federal Regulations, Safe Drinking Water Act of 1986
- 2.4 California Code of Regulations, Titles 17 and 22
- 2.5 California State Penal Code, Section 498B.0
- 2.6 State of California Water Code, Section 110, 500-6, and 520-23
- 2.7 Water Department Director

Reference

- 2.8 State of California Guidance Manual for Cross Connection Programs
- 2.9 American Water Works Association Manual M-14, Recommended Practice for Backflow Prevention
- 2.10 American Water Works Association Standards for Water Meters
- 2.11 U.S.C. Foundation for Cross Connection Control and Hydraulic Research Manual

3. **DEFINITIONS**

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

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3.2 **Temporary Water Use:** Water provided to the customer for no longer than twelve (12) months.

3.3 **Backflow Preventor:** A Reduced Pressure Principal Assembly connected to the outlet side of a Fire Hydrant Meter.

4. **POLICY**

4.1 The Water Department shall collect a deposit from every customer requiring a fire hydrant meter and appurtenances prior to providing the meter and appurtenances (see Section 7.1 regarding the Fees and Deposit Schedule). The deposit is refundable upon the termination of use and return of equipment and appurtenances in good working condition.

4.2 Fire hydrant meters will have a 2 ½" swivel connection between the meter and fire hydrant. The meter shall not be connected to the 4" port on the hydrant. All Fire Hydrant Meters issued shall have a Reduced Pressure Principle Assembly (RP) as part of the installation. Spanner wrenches are the only tool allowed to turn on water at the fire hydrant.

4.3 The use of private hydrant meters on City hydrants is prohibited, with exceptions as noted below. All private fire hydrant meters are to be phased out of the City of San Diego. All customers who wish to continue to use their own fire hydrant meters must adhere to the following conditions:

a. Meters shall meet all City specifications and American Water Works Association (AWWA) standards.

b. Customers currently using private fire hydrant meters in the City of San Diego water system will be allowed to continue using the meter under the following conditions:

1. The customer must submit a current certificate of accuracy and calibration results for private meters and private backflows annually to the City of San Diego, Water Department, Meter Shop.

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

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

Process for Issuance

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

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2. Construction and maintenance related activities (see Tab 2).

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

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

4.7 Relocation of Existing Fire Hydrant Meters

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

4.8 Disconnection of Fire Hydrant Meter

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

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for removal of the meter.

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

5. **EXCEPTIONS**

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

6. **MOBILE METER**

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

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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 (EXHIBIT A) Hydrant Meter

(For Office Use Only)

NS REQ	FAC#
DATE	BY

METER SHOP (619) 527-7449

Meter Information

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

Fire Hydrant Location: (Attach Detailed Map//Thomas Bros. Map Location or Construction drawing.) <u>Zip:</u>	<u>T.B.</u>	<u>G.B. (CITY USE)</u>
Specific Use of Water:		
Any Return to Sewer or Storm Drain, If so, explain:		
Estimated Duration of Meter Use: <input type="text"/>	<input type="checkbox"/>	Check Box if Reclaimed Water

Company Information

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

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

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

WATER USES WITHOUT ANTICIPATED CHARGES FOR RETURN TO SEWER

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

Note:

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

Date

Name of Responsible Party
Company Name and Address

Account Number: _____

Subject: Discontinuation of Fire Hydrant Meter Service

Dear Water Department Customer:

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

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

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

Sincerely,

Water Department

APPENDIX C

MATERIALS TYPICALLY ACCEPTED BY CERTIFICATE OF COMPLIANCE

MATERIALS TYPICALLY ACCEPTED BY CERTIFICATE OF COMPLIANCE

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

APPENDIX D
SAMPLE CITY INVOICE

Project Name:		Contractor's Address:	
Work Order No or Job Order No.			
City Purchase Order No.		Contractor's Phone #:	
Resident Engineer (RE):		Contractor's fax #:	
RE Phone#:	Fax#:	Contact Name:	Invoice No.
			Invoice Date:
			Billing Period: (To)

Trigger Asset	Item #	Item Description	Contract Authorization				Previous Totals To Date		This Estimate		Totals to Date		Amount Remaining	
			Unit	Price	Qty	Extension	%/QTY	Amount	% / QTY	Amount	% / QTY	Amount		
	1				1.00	\$ -		\$0.00		\$0.00	0.00	\$0.00	\$ -	
	2				1.00	\$ -		\$0.00		\$0.00	0.00%	\$0.00	\$ -	
	3				1.00	\$ -		\$0.00		\$0.00	0.00%	\$0.00	\$ -	
	4				1.00	\$ -		\$0.00		\$0.00	0.00%	\$0.00	\$ -	
	5				1.00	\$ -		\$0.00		\$0.00	0.00%	\$0.00	\$ -	
	6				1.00	\$ -		\$0.00		\$0.00	0.00%	\$0.00	\$ -	
	7				1.00	\$ -		\$0.00		\$0.00	0.00%	\$0.00	\$ -	
	8				1.00	\$ -		\$0.00		\$0.00	0.00%	\$0.00	\$ -	
	5				1.00	\$ -		\$0.00		\$0.00	0.00%	\$0.00	\$ -	
	6					\$ -		\$0.00		\$0.00	0.00%	\$0.00	\$ -	
	7					\$ -		\$0.00		\$0.00	0.00%	\$0.00	\$ -	
	8					\$ -		\$0.00		\$0.00	0.00%	\$0.00	\$ -	
	9					\$ -		\$0.00		\$0.00	0.00%	\$0.00	\$ -	
	10					\$ -		\$0.00		\$0.00	0.00%	\$0.00	\$ -	
	11					\$ -		\$0.00		\$0.00	0.00%	\$0.00	\$ -	
	12					\$ -		\$0.00		\$0.00	0.00%	\$0.00	\$ -	
	13					\$ -		\$0.00		\$0.00	0.00%	\$0.00	\$ -	
	14					\$ -		\$0.00		\$0.00	0.00%	\$0.00	\$ -	
	15					\$ -		\$0.00		\$0.00	0.00%	\$0.00	\$ -	
	16					\$ -		\$0.00		\$0.00	0.00%	\$0.00	\$ -	
	17					\$ -		\$0.00		\$0.00	0.00%	\$0.00	\$ -	
						\$ -		\$0.00		\$0.00	0.00%	\$0.00	\$ -	
		CHANGE ORDER No.				\$ -		\$0.00		\$0.00	0.00%	\$0.00	\$ -	
						\$ -		\$0.00		\$0.00	0.00%	\$0.00	\$ -	
		Total Auhtorized Amount (Original)					\$ -		\$0.00		\$0.00		\$0.00	\$ -
		Total Authorized Amount (including approved Change Order)					\$ -		\$0.00		\$0.00	Total Billed	\$0.00	Total Amount Remaining
SUMMARY														\$ -

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

I certify that the materials have been received by me, or services have been rendered, in the quality and quantity specified per the approved contracted amounts, and is approved for payment

Resident Engineer Date

Construction Engineer Date

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

Contractor Signature and Date: _____

APPENDIX E
LOCATION MAP



Engineering & Capital Projects

ROSEVILLE-FLEET RIDGE IMPROV 1

SENIOR ENGINEER

Janice Jaro

619-533-3851

PROJECT MANAGER

Mehrnaz Zare Afifi

619-533-4656

PROJECT ENGINEER

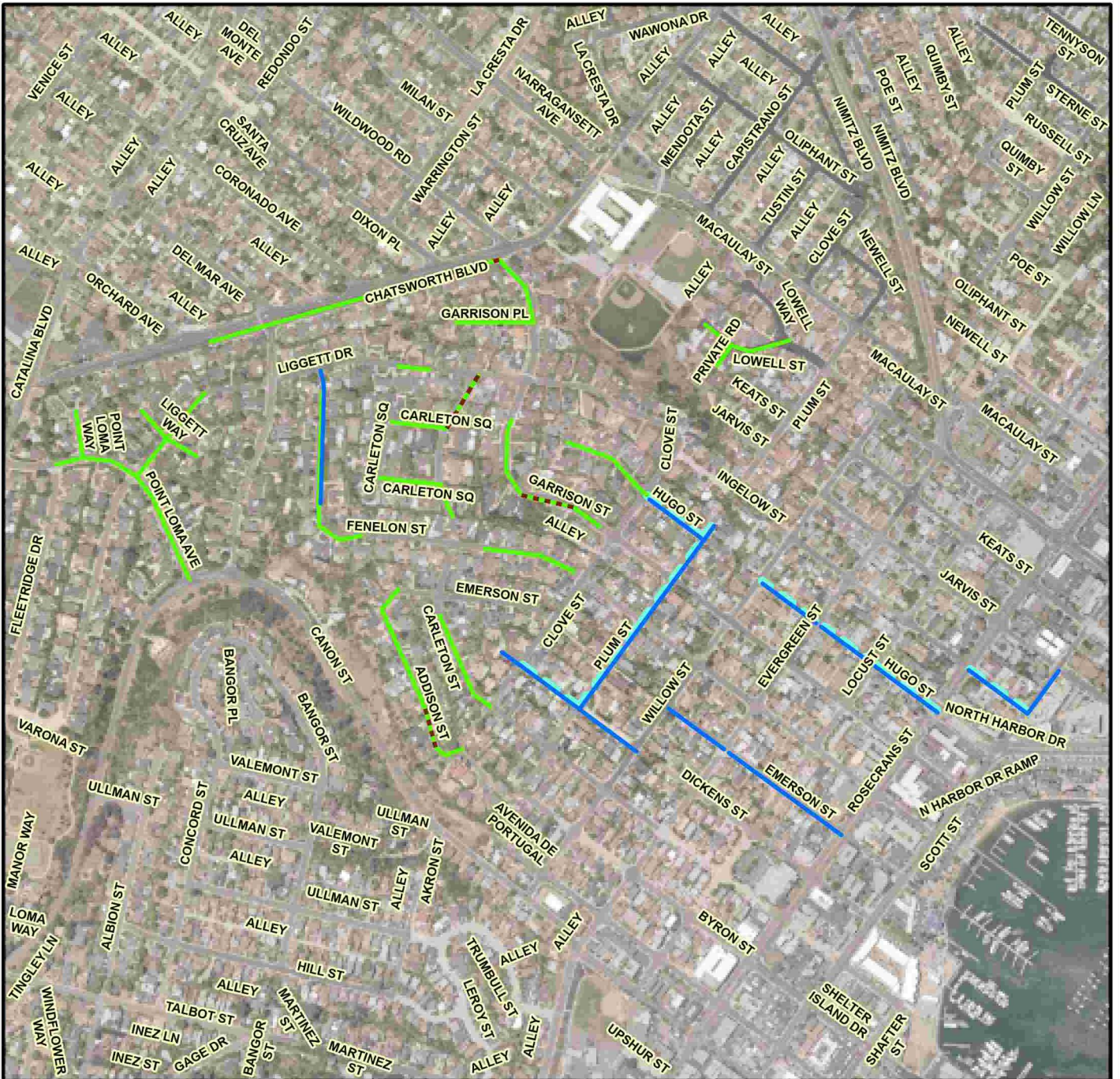
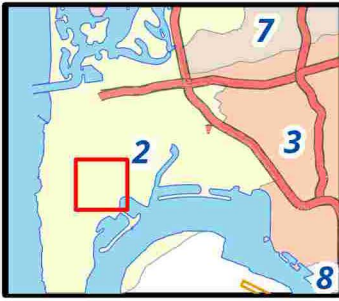
Celina Vega

619-533-4196

FOR QUESTIONS ABOUT THIS PROJECT

Call: (619) 533-4207

Email: engineering@sandiego.gov



Legend

--- Point Repairs

— Proposed Sewer Main Rehabilitation

— Proposed Water Replacement



COMMUNITY NAME: ROSEVILLE / FLEET RIDGE

COUNCIL DISTRICT: 2

WBS NO: B22092 (W)
B22097 (S)



Date: 6/26/2023

Roseville-Fleet Ridge Improvements

K-24-2320-DB1-3

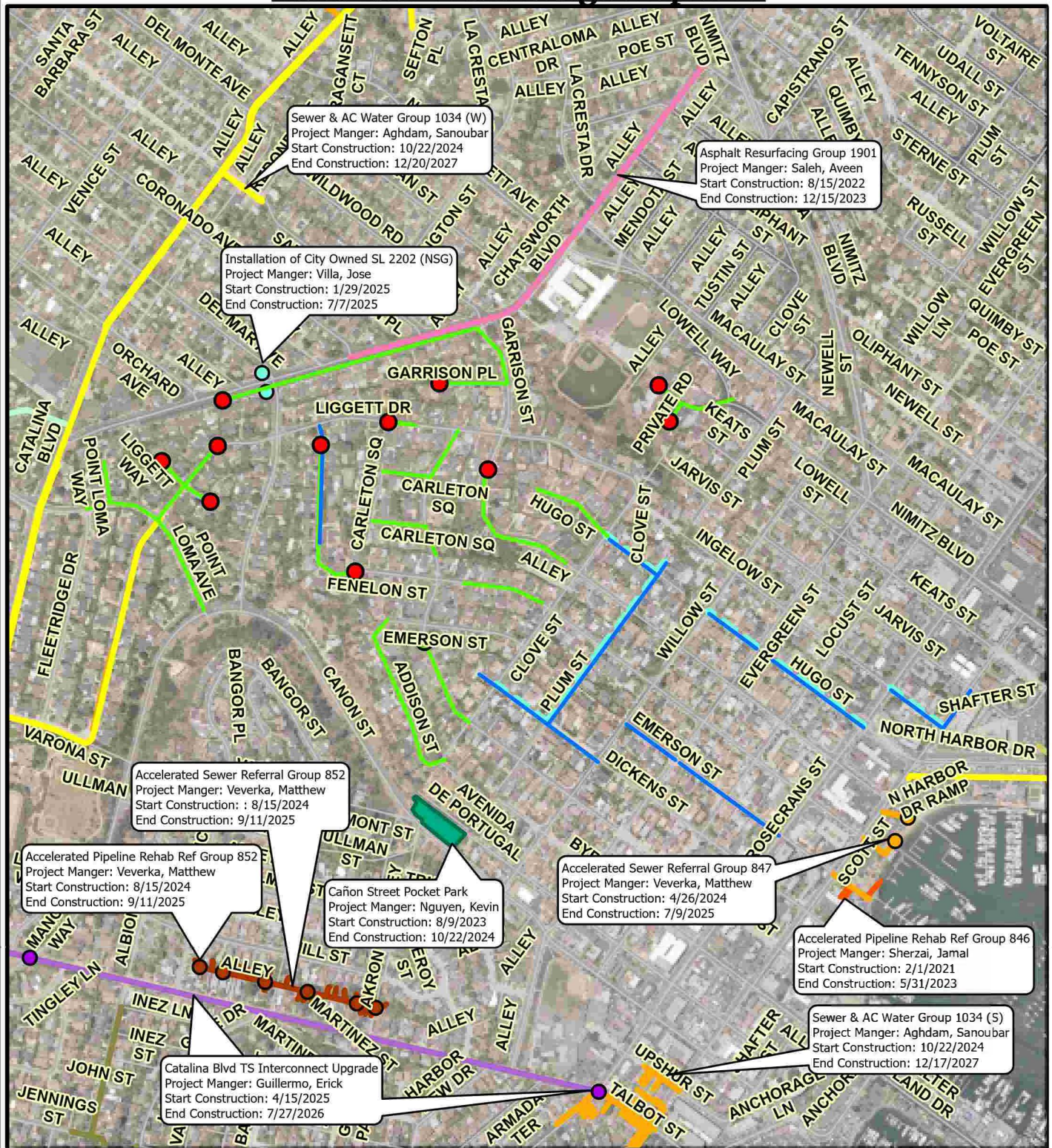
173 | Page

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APPENDIX F
COORDINATION MAP

PREDESIGN PROJECT COORDINATION MAP

Roseville-Fleet Ridge Improv 1



Legend

- | | | | |
|--|--|---|---|
| ● Install New MH | ● Accelerated Sewer Referral Group 847 | ● Accelerated Sewer Referral Group 852 | ● Sewer & AC Water Group 1034 (S) |
| ● Install Cleanout | ● Accelerated Sewer Referral Group 852 | ● Asphalt Resurfacing Group 1901 | ● Sewer & AC Water Group 1034 (W) |
| — Proposed Water Replacement | ● Catalina Blvd TS Interconnect Upgrade | — Catalina Blvd TS Interconnect Upgrade | — Sewer & AC Water Group 821(S) |
| — Proposed Sewer Main Rehabilitation | ● Installation of City Owned SL 2202 (NSG) | — Priority Sewer Main Replacement Group 16 | ■ Cañon Street Pocket Park |
| — Accelerated Pipeline Rehab Ref Group 846 | | — Remaining Small Diameter C1 Water Ph 3 | |



Date: June, 27 2023

Roseville-Fleet Ridge Improvements 1
K-24-2320-DB1-3



Engineering &
Capital Projects

PROGRAM & PROJECT DEVELOPMENT DIVISION



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APPENDIX G

CONTRACTOR'S DAILY QUALITY CONTROL INSPECTION REPORT

Appendix G

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:

Initials:

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

Deviations from QCP _____ (see attached)

Quality Control Plan Administrator's Signature:

Date Signed:

APPENDIX H

DISCHARGE POINTS AND FLOW DATA

Batch Discharge				
STREET NAME	MAP_ID	FSN	FLOW RATE (GPM)	Notes
Lowell St	C20S951	5641908	350	
Dickens St	C21S925	5658884	130	
Dickens St	C21S926	5658887	130	
Dickens St	C21S927	5658889	130	
Dickens St	C21S928	5658891	130	
Dickens St	C21S929	5658924	130	
Dickens St	C21S930	5658933	130	
Dickens St	C21S931	5658935	130	
Emerson St	C21S932	5658951	130	
Emerson St	C21S933	5658953	130	
Garrison St	C21S939	5659243	130	
Hugo St	C21S940	5659318	50	
Hugo St	C21S941	5659352	50	
Hugo St	C21S942	5659376	50	
Hugo St	C21S943	5659378	50	
Hugo St	C20S1067	5659448	50	
Point Loma Ave	B20S178	73455	350	
Scott St	C21S774	5534583	50	
Rosecrans St	C21S777	5534729	130	
Rosecrans St	C21S778	5534919	130	
Chatsworth Blvd	C20S1093	5692356	350	
Chatsworth Blvd	C20S1094	5692357	350	
Chatsworth Blvd	C20S1095	5692362	350	
Chatsworth Blvd	C20S1139	5692722	350	
Emerson St	C21S831	5550390	130	
Hugo St	C21S834	5550394	50	
Lowell St	C20S306	78442	350	
Lowell St	C20S317	78453	350	
Lowell St	C20S319	78455	350	

Chatsworth Blvd	C20S429	78527	250	
Chatsworth Blvd	C20S430	78528	250	
Chatsworth Blvd	C20S434	78532	250	
Point Loma Way	C20S446	78544	350	
Point Loma Ave	C20S447	78545	350	
Point Loma Ave	C20S448	78546	350	
Point Loma Ave	C20S449	78547	350	
Point Loma Ave	C20S450	78548	350	
Liggett Dr	C20S452	78550	350	
Liggett Way	C20S453	78551	350	
Liggett Dr	C20S456	78554	350	
Fenelon St	C20S464	78561	350	
Fenelon St	C20S465	78562	350	
Carleton Sq	C20S466	78563	130	
Carleton St	C20S467	78564	130	
Carleton Sq	C20S468	78565	130	
Carleton Sq	C20S469	78566	130	
Liggett Dr	C20S472	78569	130	
Garrison Pl	C20S474	78571	250	
Garrison St	C20S475	78572	250	
Liggett Dr	C20S476	78573	130	
Garrison St	C20S478	78575	130	
Garrison St	C20S479	78576	130	
Garrison St	C20S480	78577	130	
Garrison St	C20S481	78578	130	
Hugo St	C20S483	78580	50	
Hugo St	C20S484	78581	50	
Garrison St	C20S488	78585	250	
Chatsworth Blvd	C20S500	78597	250	
Chatsworth Blvd	C20S501	78598	250	
Point Loma Ave	C21S82	78723	350	
Fenelon St	C21S86	78727	350	
Fenelon St	C21S87	78728	350	

Fenelon St	C21S174	78808	130	
Fenelon St	C21S178	78811	130	
Fenelon St	C21S181	78812	130	
Garrison St	C21S182	78813	130	
Garrison St	C21S183	78814	130	
Fenelon St	C21S184	78815	130	
Fenelon St	C21S185	78816	130	
Carleton St	C21S186	78817	130	
Fenelon St	C21S187	78818	130	
Hugo St	C21S209	78836	50	
Fenelon St	C21S214	78841	130	
Scott St	C21S867	5632715	350	
Hugo St	C21S223	78846	50	
Hugo St	C21S238	78855	50	
Emerson St	C21S265	78876	130	
Emerson St	C21S266	78877	130	
Scott St	C21S295	78901	350	
Ingelow St	C21S296	78902	50	MH is channeled to have flow go to TS 12 immediately. But there is an 8 inch exit pipe to that heads south west. There is a 50 gpm limit to this pipe. To ensure that not too much flow is sent down the wrong exit line will limit this MH to 50 gpm
Ingelow St	C21S313	78917	130	
Canon St	C21S9011	8038912	350	
Canon St	C21S9014	8038976	350	
Canon St	C21S9015	8039000	350	
Addison St	C21S140	78775	300	
Addison St	C21S141	78776	300	
Addison St	C21S142	78777	300	
Addison St	C21S153	78788	300	
Clove St	C21S154	78789	300	
Carleton St	C21S155	78790	350	
Carleton St	C21S156	78791	350	
Emerson St	C21S190	78820	130	

Carleton St	C21S195	78824	350	
Addison St	C21S196	78825	300	
Addison St	C21S197	78826	300	
Addison St	C21S198	78827	300	

APPENDIX I

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), and as follows:

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

Instructional Notes found on the Page 2 of 2

PAGE 1 OF 2

Engineering & Capital Projects Department

Submit completed Form to RE
 Construction Management & Field Services Division
 Version 4

Receiving Water Monitoring

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

Event #1	
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.	
4) If any answers are YES, Notify the RE immediately for further action	

Event #2	
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.	
4) If any answers are YES, Notify the RE immediately for further action	

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

- 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 J

REHABILITATION DATA COLLECTION – SEWER MAIN, LATERALS, MANHOLES SAMPLE DATA TEMPLATES

REHAB DATA COLLECTION - SEWER MAINS

[illegible]

REHAB DATA COLLECTION - LATERALS

[illegible]

REHAB DATA COLLECTION – MANHOLES

[illegible]

APPENDIX K

SAMPLE PUBLIC NOTICE



CONSTRUCTION NOTICE

PROJECT TITLE

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

The work will consist of:

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

How your neighborhood may be impacted:

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

Hours and Days of Operation:

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

City of San Diego Contractor:

Company Name, XXX-XXX-XXXX



CONSTRUCTION NOTICE

PROJECT TITLE

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

The work will consist of:

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

Hours and Days of Operation:

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

City of San Diego Contractor:

Company Name, XXX-XXX-XXXX

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:

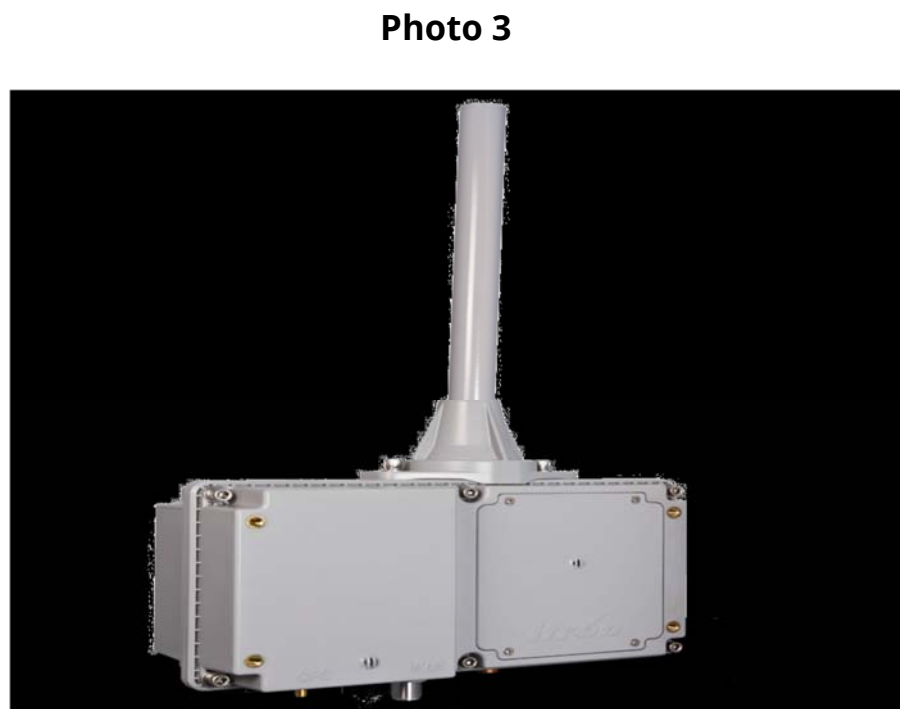
Photo 1



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



Network Devices, see 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

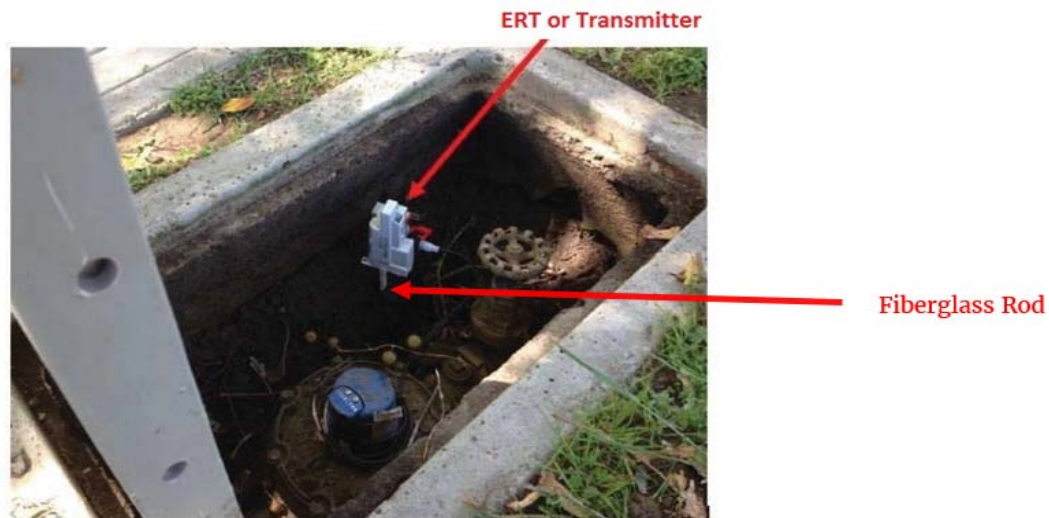


Photo 6 below is an example of disturbance that shall be avoided:

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 Elvira Santiesteban, Compliance & Metering Manager 619-380-3804 and Kevin Wilson, Senior Water Utility Supervisor 619-857-8257 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 Elvira Santiesteban, Compliance & Metering Manager 619-380-3804 and Kevin Wilson, Senior Water Utility Supervisor 619-857-8257.

Rev. 9.11.2023

ATTACHMENT F

IN-USE OFF-ROAD DIESEL FUELED FLEET REGULATION (OFF-ROAD REGULATION) COMPLIANCE (CARB)

ATTACHMENT F

IN-USE OFF-ROAD DIESEL FUELED FLEET REGULATION (OFF-ROAD REGULATION) COMPLIANCE

The California Air Resources Board (CARB) approved amendments to the Off-Road Regulations which can be found at 13 California Code of Regulations (CCR) sections 2449, 2449.1, and 2449.2. These amendments apply to any person, business, or government agency who owns or operates within California any vehicles with a diesel-fueled or alternative diesel fueled off-road compression-ignition engine with maximum power (max hp) of 25 horsepower (hp) or greater provided that the vehicle cannot be registered and driven safely on-road or was not designed to be driven on-road, even if it has been modified so that it can be driven safely on-road. See 13 CCR section 2449 (b) for the full list of vehicles covered by these Off-Road Regulations.

Beginning **January 1, 2024**, Contractor shall be subject to the requirements below. No Contractor or public works awarding body, as applicable, shall enter into a contract with a fleet for which it does not have a valid Certificate of Reported Compliance for the fleet and its listed subcontractors, if applicable, prior to entering into a new or renewed contract with that fleet. Contractor shall comply with the following requirements:

- (1) For a project involving the use of vehicles subject to the Off-Road Regulation, Contractor must obtain copies of the valid Certificates of Reported Compliance, as described in 13 CCR section 2449(n), for the fleet selected for this Contract and their listed subcontractors, if applicable, prior to entering into a new or renewed contract with that fleet and provide copies of such Certificates of Reported Compliance to the City within 10 days of issuance of the Notice of Intent to Award letter. Contractor shall enter into a contract with a fleet for which it does not have a valid Certificates of Reported Compliance for the fleet and its listed subcontractors. City shall not enter into a contract with Contractor until all current Certificates of Reported Compliance for the fleet to be used on this Project are provided by Contractor.
- (2) The Certificates of Reported Compliance received by Contractor for this Project must be retained by Contractor for three years after the Project's completion. Upon request by CARB, these records must be provided to CARB within five business days of the request. Additionally, upon request by City, these records must be produced to City within five business days of the request.
- (3) For emergency contracts that meet the definition of "emergency operations" as defined in 13 CCR section 2449(c)(18), they are exempt from the requirements in 13 CCR section 2449(i)(1)-(3) and sections (1) and (2) above, but must still retain records verifying vehicles subject to the regulation that are operating on the "emergency operations" project are actually being operated on the project for "emergency operations" only. These records, as described in more detail below in section (B) must be retained by Contractor for three years after completion of the Project and upon request from either CARB or the City, Contractor shall provide those records to the requesting party within five business days. All other emergency contracts that do not meet the definition of "emergency operations" must comply with the requirements above and 13 CCR section 2449(i)(1) – (3).

- A. "Emergency Operations" is defined as:
1. Any activity for a project conducted during emergency, life threatening situations, where a sudden, unexpected occurrence that poses a clear and imminent danger, requiring immediate action to prevent or mitigate the loss or impairment of life, health, property, or an essential public service; or in conjunction with any officially declared disaster or state of emergency, as declared by an authorized health officer, agricultural commissioner, fire protection officer, or other authorized health officer;
 2. Any activity for a project conducted by essential service utilities to provide electricity, natural gas, telephone, water, or sewer during periods of service outages and emergency; or
 3. Operations including repairing or preventing damage to roads, buildings, terrain, and infrastructure as a result of an earthquake, flood, storm, fire, other infrequent act of nature, or terrorism. Routine maintenance or construction to prevent public health risks does not constitute emergency operations under the Off-Road Regulations.
- B. The records retained by Contractor for "emergency operations" projects must include:
1. A description of the emergency;
 2. The address or a description of the specific location of the emergency;
 3. The dates on which the emergency operations were performed; and
 4. An attestation by the fleet that the vehicles are operated on the Project for "emergency operations" only.

Beginning **January 1, 2024**, Contractor is also subject to the requirements described in 13 CCR section 2449(j).

- (1) Between March 1 and June 1 of each year, Contractor must collect new valid Certificates of Reported Compliance for the current compliance year, as defined in 13 CCR section 2449(n), from all fleets that have an ongoing contract with Contractor as of March 1 of that year. Contractors shall not write contracts to evade this requirement.
- (2) Contractor shall only allow fleets with valid Certificates of Reported Compliance on the Contractor's job sites.
- (3) If Contractor discovers that any fleet intending to operate vehicles subject to this regulation for Contractor does not have a valid Certificate of Reported Compliance, as defined in 13 CCR section 2449(n), or if Contractor observes any noncompliant vehicles subject to the regulation on Contractor's job site, then Contractor must report the that to CARB at <https://calepacomplaints.secure.force.com/complaints/Complaint>, or email dieselcomplaints@arb.ca.gov, for each fleet without a valid Certificate of Reported Compliance or each noncompliant vehicle, as applicable, within five business days of such discovery. See 13 CCR 2449(n) for the information required to be disclosed to CARB when reporting non-compliance.
- (4) Upon request by CARB, Contractor must immediately disclose to CARB the name and contact information of each responsible party for all vehicles subject to this regulation operating at the job site or for Contractor.

- (5) Contractor shall prominently display signage for any project where vehicles subject to this Off-Road Regulation will operate for 8 calendar days or more. The signage must be posted by the eighth calendar day from which the first vehicle operates. The signage will be in lettering larger than size 14-point type and displayed in a conspicuous place where notices to employees are customarily posted at the job site or where there is employee foot traffic. If one of the above locations is also viewable by the public, it should be posted at that location. An exemption to this posting requirement is permitted if the operational time of a project is 7 calendar days or less. The signage must include the following language, verbatim:

- (A) Who does the In-Use Off-Road Regulation Apply to?

The In-Use Off-Road Diesel-Fueled Fleets Regulation (Off-Road Regulation) applies to all self-propelled off-road diesel vehicles 25 horsepower or greater and most two-engine vehicles (except on-road two-engine sweepers) owned or operated in California. This includes vehicles that are rented or leased (rental or leased fleets)."

- (B) "In-Use Off-Road Regulation Requirements

Idling Limit: Vehicles cannot idle longer than five minutes. There are exceptions for vehicles that need to idle to perform work.

Labeling: Vehicles must be labeled with a CARB assigned equipment identification number (EIN). The EIN shall be white on a red background, unless the vehicle is part of a captive attainment area fleet, in which case the EIN shall be white on a green background.

The EIN shall be located in clear view on both sides of the outside of the vehicle."

ATTACHMENT G

EVALUATION AND SELECTION CRITERIA

EVALUATION AND SELECTION CRITERIA

Proposals will be ranked according to the criteria described below:

1. **Proposer Exceptions to this RFP – Pass / Fail**

- 1.1. If the Proposer takes exception to any portion of the contract terms, the Proposer must identify and explain to the City in writing the basis for the exception. The Proposer must submit any claimed exception a minimum of 10 calendar days prior to the due date for submission of Proposals. Exceptions taken after the submission period for this RFP may be cause for rejection of the Proposal as being **non-responsive**.

2. **Summary of Proposal (5 Points Max)**

- 2.1. Each Proposer must submit a one to two page summary of its Proposal.

3. **Project Team (5 Points Max)**

- 3.1. Describe the proposed management plan for this Project. Describe the qualifications of key proposed construction and technical personnel, and subcontractors, from applicable fields including the following:
 - 3.1.1. Civil
 - 3.1.2. Environmental
 - 3.1.3. Geotechnical

4. **Technical Approach and Design Concept (35 Points Max)**

- 4.1. Describe in detail the proposed design concept for this Project. Include detailed descriptions, conceptual design drawings, schematics, a list of major equipment, and any other information deemed necessary to allow the City to make an informed evaluation of the Proposer's technical approach. The completeness and technical merit of the design concept will be evaluated.

The following elements shall be included in this Technical Proposal:

- 4.1.1. The City will select a Proposer that will offer the highest overall score based on weighted criteria for the design and construction per the scope shown in Attachment 'A' and the requirements of this contract. The Work and Services required of the Proposer include those during design, construction, and startup of the Project. The Proposer shall provide all management, supervision, labor, services, temporary services, equipment, tools, supplies, and any other item of every kind and description required for the complete design and construction, of the Project, as described in Attachment 'A'.

- 4.1.2. The Project Manager will assemble a team which will evaluate the proposals and utilize the point system described below to rank the Proposer. The Proposers will be notified in writing of the City's final decision.
- 4.1.3. Proposed Design Schedule: Outline the proposed design schedule, including sequencing of each major design component (30%, 60%, 90%, 100%, and final Design) and proposed durations.
- 4.1.4. Water Highlining Plans
- 4.1.5. Sewer By-Pass Plans
- 4.1.6. Phasing of design and construction work
- 4.1.7. Permits, If applicable- the Design-Builder shall identify what permits are required and what is the proposed plan/timeline to obtain the required permit(s).
- 4.1.8. Traffic Control Approach – The Design-Builder shall describe its general approach to developing a traffic control and local access management plan (Traffic Control Plan).
- 4.1.9. Water Replumb Approach, if applicable – The Design-Builder shall describe its general approach to completing the replumbs associated with this project.
- 4.1.10. Storm Water Pollution Control Best Management Practices
- 4.1.11. Subsurface Investigation and Geotechnical Work
- 4.1.12. Quality Assurance/Quality Control Plan (QA/QC Plan) – The Design-Builder shall submit a QA/QC Plan specifically developed for this project.

4. Construction Plan (25 Points Max)

- 4.1. Describe the proposed construction plan for this Project, including the following, at a minimum:
 - 4.1.1. Identify Challenges/Issues – Identify the largest challenges associated with this Project and describe how your team has overcome similar challenges on Identified previous project your team has successfully completed.
 - 4.1.2. Construction approach and methods
 - 4.1.3. Plan for operation of facility during construction
 - 4.1.4. Plan for phasing of construction activities
 - 4.1.5. General plan for functional testing and start-up.

- 4.1.6. Proposed safety program
- 4.1.7. Proposed emergency response plan
- 4.1.8. Proposed construction schedule
- 4.1.9. Traffic Control Management
- 4.1.10. Community Impact/Outreach -Describe your efforts to minimize impacts to businesses and residents and how you will coordinate construction in their community, including how the Design-Builder will provide effective public information and respond to public concerns as well as Construction mitigation plan to minimize impacts to local businesses and residents. (i.e. impacts business access and parking). Refer to Attachment A – Section 32.4.
- 4.1.11. Critical path schedule
- 4.1.12. Describe cost saving measures

5. Equal Opportunity Contracting Program (25 Points Max)

- 5.1. Failure to submit the required EOCP information will result in Proposal being determined as **non-responsive**.
- 5.2. Subcontractor Documentation
 - 5.2.1. The points will be awarded according to the chart below, based upon actual subcontract award amounts, as set forth in the price proposals.

OUTCOME		MAXIMUM POSSIBLE POINTS
1	5% - 9% participation SLBE, ELBE or DVBE	5
2	10%-14% participation SLBE, ELBE or DVBE	10
3	15%-19% participation SLBE, ELBE or DVBE	15
4	20%-24% participation SLBE, ELBE or DVBE	20
5	25% participation SLBE, ELBE or DVBE	25
In no case the points shall exceed 25.		

8. Reference Checks (5 Points Max)

8.1 Provide at least 2 references.

TOTAL POINTS: 100

9. Review of Technical Proposal

9.1. Following the receipt of the Technical Proposal, the City anticipates allotting 2 weeks for review of the Technical Proposals.

10. Final Selection Based on Weighted Criteria

11.1 Based on the Design-Builders' Proposals and any follow-up presentations, and using the Project's Evaluation Criteria, the Panel will continue to rank the Design-Builder's Proposals by determining an overall score which shall be calculated as follows:

11.2. A maximum of 60 points will be assigned for the Contract Price as proposed. The lowest total Contract Price of all the Proposals that meet the requirements of this RFP will receive the maximum assigned points to this category. The other Price Proposals will be scored based on how much higher their total Contract Prices compare to the lowest:

$$\left(1 - \frac{(\text{Contract Price} - \text{Lowest Contract Price})}{(\text{Lowest Contract Price})}\right) \times \text{Max Pts} = \text{Pts Rcvd}$$

11.3. A maximum of 40 points will be assigned for the qualitative criteria described in the RFP. All Proposals shall receive scores based on 40 times the average of the composite ratings provided by the Panel.

11.4. The Selected Design-Builder will be the team with the highest total score earned. Design-Builders will be notified in writing of the City's final decision.

11.5. For example, if the lowest total Contract Price of all proposals is \$100, that Proposal would receive the maximum allowable points for the price category. If the total Contract Price of another proposal is \$105 and the maximum allowable points is 80 points, then that Proposal would receive $(1 - ((105 - 100) / 100)) \times 80 = 76$ points, or 95% of the maximum points. The lowest score a Proposal can receive for this category is zero points - the score cannot be a negative number. The below example using the same 80/20 split illustrates the calculation outcomes with Firm A winning the competition even though Firm A did not have the highest rated proposal or the lowest price:

Firm	Avg. Composite Rating	Qualitative Score (20Max)	Price Proposal	Price Score (80 Max)	Total Score (100 Max)
A	85.00	17.00	\$105	76.00	93.00
B	88.00	17.60	\$130	56.00	73.60
C	50.00	14.60	\$100	80.00	90.00
Note: All figures will be rounded off to two decimal places.					

ATTACHMENT H

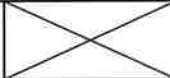
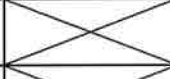



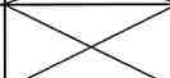

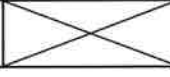
PRICE FORMS

PRICE PROPOSAL FORMS

The Design-Builder agrees to the design and construction of **ROSEVILLE-FLEET RIDGE IMPROVEMENTS 1**, for the City of San Diego, in accordance with these contract documents for the lump sum price listed below. The Design-Builder guarantees the proposed prices for a period of 120 Days from the date Proposals are due. The duration of the price guarantee may be extended as required by mutual consent.

Item No.	NAICS CODE	Description	Quantity	D*	Unit	Unit Price	Extension
BASE PROPOSAL FOR WATER							
1	524126	Bonds (Payment and Performance) (Water)	1		LS		\$ 50,000.00
2	541330	Engineering and Design Services (Water)	1	D	LS		\$ 300,000.00
3	237110	Construction (Water)	1		LS		\$9,083,890.00
4		City Contingency (EOC Type II) (Water)	1		AL		\$231,250
5	541330	WPCP Development (Water)	1	D	LS		\$ 1,000.00
6	237310	WPCP Implementation (Water)	1		LS		\$100,000.00
7	541330	Traffic Control and Engineered Traffic Control Plans	1		LS		\$ 40,000.00
8	237310	Dewatering Hazardous Contaminated Water	1		LS		\$25,000.00
9	237310	Dewatering Non-Hazardous Contaminated Water	1		LS		\$ 25,000.00
10	237310	Dewatering Permit and Discharge Fees (EOC Type I)	1		AL		\$10,000

Item No.	NAICS CODE	Description	Quantity	D*	Unit	Unit Price	Extension
11	238990	Community Health and Safety Plan (CHSP)	1		LS		\$5,000.00
12	541690	Preparation of Hazardous Waste Management Plan and Reporting	1		LS		\$15,000.00
13	238990	Preparation and Implementation of the Community Health and Safety Plan	1		LS		\$6,000.00
14	541690	Monitoring of Contaminated Soil	80		HR	\$160.00	\$12,800.00
15	238990	Testing, Sampling, Site Storage, and Handling of Petroleum Contaminated Soil	1,000		TON	\$ 25.00	\$ 25,000.00
16	238990	Loading, Transportation, and Disposal of Petroleum Contaminated Soil	1,000		TON	\$100.00	\$100,000.00
17	238990	Testing, Sampling, Site Storage, and Handling of Soils Containing Non-RCRA Hazardous Waste	100		TON	\$ 50.00	\$5,000.00
18	238990	Loading, Transportation, and Disposal of Soils Containing Non-RCRA Hazardous Waste	100		TON	\$300.00	\$ 30,000.00
19	238990	Testing, Sampling, Site Storage, Handling, Transportation, and Disposal of Non-RCRA Hazardous Waste Contamination from the Treatment of Contaminated Ground Water	100		GAL	\$ 50.00	\$5,000.00
SUBTOTAL BASE PROPOSAL FOR WATER (ITEMS NO. 1 THROUGH 19), INCLUSIVE):							\$10,069,940.00

Item No.	NAICS CODE	Description	Quantity	D*	Unit	Unit Price	Extension
BASE PROPOSAL FOR SEWER							
1	524126	Bonds (Payment and Performance) (Sewer)	1		LS		\$ 30,000.00
2	541330	Engineering and Design Services (Sewer)	1	D	LS		\$100,000.00
3	237110	Construction (Sewer)	1		LS		\$3,700,000.00
4		City Contingency (EOC Type II) (Sewer)	1		AL		\$193,750
5	541330	WPCP Development (Sewer)	1	D	LS		\$1,000.00
6	237310	WPCP Implementation (Sewer)	1		LS		\$40,000.00
7	237310	Additional Point Repair for Existing Sewer Main (8 Inch) (EOC Type 1) (Sewer)	1		AL		\$50,000
SUBTOTAL BASE PROPOSAL FOR SEWER (ITEMS NO. 1 THROUGH 7), INCLUSIVE):							\$4,114,750.00
TOTAL FOR BASE PROPOSAL FOR WATER (ITEMS NO. 1 THROUGH 19) PLUS BASE PROPOSAL FOR SEWER (ITEMS NO. 1 THROUGH 7), INCLUSIVE):							\$14,184,690.00
ADDITIVE ALTERNATE A							
1	237310	Asphalt Concrete Overlay (2 Inch)	380		TON	\$ 295.00	\$ 112,100.00
2	237310	Cold Mill AC Pavement (2 Inch)	31,300		SF	\$ 1.70	\$ 53,210.00
3		Field Order (EOC Type II)	1		AL		\$50,000
SUBTOTAL FOR ADDITIVE ALTERNATE A (ITEMS NO. 1 THROUGH 3), INCLUSIVE):							\$215,310.00
TOTAL PRICE FOR DESIGN-BUILD BASE PROPOSAL FOR WATER (ITEMS NO. 1 THROUGH 19) PLUS BASE PROPOSAL FOR SEWER (ITEMS NO. 1 THROUGH 7) PLUS ADDITIVE ALTERNATE A (ITEMS 1 THROUGH 3), INCLUSIVE:							\$14,400,000.00


*** Design Element (For City Use)**

Total Price for Design-Build Base Proposal for Water, (Items 1 through 19) PLUS Base Proposal for Sewer (Items 1 through 7) PLUS Additive Alternate A (Items 1 through 3) inclusive, amount written in words:

Fourteen Million Four Hundred Thousand and No Cents

Design-Builder: KTA Construction, Inc.

Title: Adam Ogden - Vice President

Signature: 

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

Paul Henderson - Owner/CEO

Kennard Anderson - President

Adam Ogden - Vice President

IMPORTANT NOTICE: If Design-Builder 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 Design-Builder or other interested person is an individual, state first and last names in full.

NOTES:

- A. The Contract Price to be used in the selection process as described in Attachment G of the RFP will be determined by the Base Proposal plus all Alternates.
- B. After the selected Design-Builder has been determined, the City may, at its sole discretion, award the contract for the Base Proposal alone or for the Base Proposal plus one or more alternates.
- C. Proposals shall not contain any recapitulation of the Work. Conditional Proposals may be rejected as being **non-responsive**. Alternative proposals will not be considered unless called for.
- D. Subcontractors' License Numbers must be filled in. Failure to provide the information specified may deem the bidder **non-responsive**.
- E. Blank spaces must be filled in. The Design-Builder's failure to submit a price may render the Proposal non-responsive and ineligible for award.
- F. Unit prices shall be entered for all unit price items. Unit prices shall not exceed two (2) decimal places. If the Unit prices entered exceed two (2) decimal places, the City will only use the first two digits after the decimal points without rounding up or down.
- G. All extensions of the unit prices bid will be subject to verification by the City. In the case of conflict between the Product of the Quantity x Unit Price and the written Extension, the Product shall govern.
- H. In the case of conflict, between the sum of the Extensions and the Bid Total, the sum of the Extensions shall govern

DESIGN-BUILD LIST OF SUBCONTRACTORS
TO BE INCLUDED WITH THE PRICE PROPOSAL ONLY

In accordance with the requirements of the "Subletting and Subcontracting Fair Practices Act", Section 4100, of the Public Contract Code (PCC), The Design-Builder is to list below the name and address of each Subcontractor who will perform work, labor, render services or specially fabricates and installs a portion [type] of the work or improvement, in an amount in excess of 0.5% of the Design-Builder's total Bid. The Design-Builder is to list below the portion of the work which will be done by each Subcontractor. The Design-Builder is to list only one Subcontractor for each portion of the Work. The **DOLLAR VALUE** of the total Bid to be performed by the Subcontractor is to be stated for all Subcontractors listed. Failure to comply with the listing of the Subcontractors as specified may result in the Bid being rejected as non-responsive and ineligible for award. The Design-Builder is to list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, WoSB, SDB, HUBZone, and SDVOSB Subcontractors that Design-Builder are seeking recognition towards achieving any subcontracting participation percentages.

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	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 ^①	WHERE CERTIFIED ^①	CHECK IF JOINT VENTURE PARTNERSHIP ^②
Name: <u>Easy Flow, LLC</u> Address: <u>12530 Stowe Dr.</u> City: <u>Poway</u> State: <u>CA</u> Zip: <u>92064</u> Phone: <u>909-908-7300</u> Email: <u>adam@trenchlessrehab.com</u>	Constructor	1000010925	CA 960845	Sewer Lateral Rehab	\$1,279,260	SLBE	City	
Name: <u>YBS Construction Engineering</u> Address: <u>1205 S. 43rd St</u> City: <u>San Diego</u> State: <u>CA</u> Zip: <u>92113</u> Phone: <u>619-726-7317</u> Email: <u>office @ybsconcrete.com</u>	Constructor	1000641763	CA 885270	Concrete Flatwork & Trucking	\$1,411,736	SLBE	City	

① As appropriate, Design-Builder 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, Design-Builder shall indicate if Subcontractor is certified by:

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

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

Form AA05 –Design-Build List of Subcontractors to be Included in the Price Proposal Only

DESIGN-BUILD LIST OF SUBCONTRACTORS
TO BE INCLUDED WITH THE PRICE PROPOSAL ONLY

In accordance with the requirements of the "Subletting and Subcontracting Fair Practices Act", Section 4100, of the Public Contract Code (PCC), The Design-Builder is to list below the name and address of each Subcontractor who will perform work, labor, render services or specially fabricates and installs a portion [type] of the work or improvement, in an amount in excess of 0.5% of the Design-Builder's total Bid. The Design-Builder is to list below the portion of the work which will be done by each Subcontractor. The Design-Builder is to list only one Subcontractor for each portion of the Work. The **DOLLAR VALUE** of the total Bid to be performed by the Subcontractor is to be stated for all Subcontractors listed. Failure to comply with the listing of the Subcontractors as specified may result in the Bid being rejected as non-responsive and ineligible for award. The Design-Builder is to list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, WoSB, SDB, HUBZone, and SDVOSB Subcontractors that Design-Builder are seeking recognition towards achieving any subcontracting participation percentages.

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	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 ①	CHECK IF JOINT VENTURE PARTNERSHIP ②
Name: <u>Zebron Contracting</u> Address: <u>PO Box 2874</u> City: <u>Newport Beach</u> State: <u>CA</u> Zip: <u>92659</u> Phone: <u>714-632-6690</u> Email: <u>nathan@zebron.com</u>	Constructor	1000004993	CA 855170	Manhole Rehab	\$224,000.00			
Name: <u>J & S Asphalt</u> Address: <u>12064 Woodside Ave</u> City: <u>Lakeside</u> State: <u>CA</u> Zip: <u>92040</u> Phone: <u>619-528-0593</u> Email: <u>tyler@jandsasphalt.com</u>	Constructor	1000805114	CA 1078473	Asphalt Paving & Striping	\$552,176.55	SLBE	City	

① As appropriate, Design-Builder 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, Design-Builder shall indicate if Subcontractor is certified by:

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

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NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	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 ^①	WHERE CERTIFIED ^①	CHECK IF JOINT VENTURE PARTNERSHIP ^②
Name: <u>Southwest Pipeline & Trenchless Corp</u> Address: <u>22118 South Vermont Ave</u> City: <u>Torrance</u> State: <u>CA</u> Zip: <u>90502</u> Phone: <u>310-329-8717</u> Email: <u>rolger@swpipeline.com</u>	Constructor	1000002176	CA 773862	Pipe Rehab	\$1,011,304.00			
Name: <u>McGrath Consulting</u> Address: <u>PO Box 2488</u> City: <u>El Cajon</u> State: <u>CA</u> Zip: <u>92021</u> Phone: <u>619-43-3811</u> Email: <u>MWM@mcswwpp.com</u>	Designer	1000037165	n/a	WPCP	\$1,600.00	ELBE	City	

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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, Design-Builder shall indicate if Subcontractor is certified by:

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

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Form AA05 –Design-Build List of Subcontractors to be Included in the Price Proposal Only

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Name: <u>Two Rivers Strategies</u> Address: <u>9820 Alto Dr</u> City: <u>La Mesa</u> State: <u>CA</u> Zip: <u>91941</u> Phone: <u>619-726-2179</u> Email: <u>Reema@tworiverspr.com</u>	Designer (Service Provider)	1000871377	N/A	Community Liason	\$65,000.00	ELBE	City	
Name: <u>Nasland Engineering</u> Address: <u>4740 Ruffner Rd</u> City: <u>San Diego</u> State: <u>CA</u> Zip: <u>92111</u> Phone: <u>858-292-7770</u> Email: <u>jarrettl@nasland.com</u>	Designer	1000009671	N/A	Design	\$380,000.00			

① As appropriate, Design-Builder 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, Design-Builder shall indicate if Subcontractor is certified by:

City of San Diego	CITY	State of California Department of Transportation	CALTRANS
California Public Utilities Commission	CPUC	San Diego Regional Minority Supplier Diversity Council	SRMSDC
State of California's Department of General Services	CADoGS	City of Los Angeles	LA
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Form AA05 –Design-Build List of Subcontractors to be Included in the Price Proposal Only

DESIGN-BUILD LIST OF SUBCONTRACTORS
TO BE INCLUDED WITH THE PRICE PROPOSAL ONLY

In accordance with the requirements of the "Subletting and Subcontracting Fair Practices Act", Section 4100, of the Public Contract Code (PCC), The Design-Builder is to list below the name and address of each Subcontractor who will perform work, labor, render services or specially fabricates and installs a portion [type] of the work or improvement, in an amount in excess of 0.5% of the Design-Builder's total Bid. The Design-Builder is to list below the portion of the work which will be done by each Subcontractor. The Design-Builder is to list only one Subcontractor for each portion of the Work. The **DOLLAR VALUE** of the total Bid to be performed by the Subcontractor is to be stated for all Subcontractors listed. Failure to comply with the listing of the Subcontractors as specified may result in the Bid being rejected as non-responsive and ineligible for award. The Design-Builder is to list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, WoSB, SDB, HUBZone, and SDVOSB Subcontractors that Design-Builder are seeking recognition towards achieving any subcontracting participation percentages.

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	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 ^①	WHERE CERTIFIED ^①	CHECK IF JOINT VENTURE PARTNERSHIP ^②
Name: <u>Allied Geotechnical Engineers, Inc</u> Address: <u>9500 Cuyamaca St, Ste 102</u> City: <u>Santee</u> State: <u>CA</u> Zip: <u>92071</u> Phone: <u>619-449-5900</u> Email: <u>s_sutanto@alliedgeo.org</u>	Designer (geotech)	1000009383	n/a	Geotechnical Engineer	\$32,853.00	SLBE	City	
Name: <u>Soclaris Contracting</u> Address: <u>7437 Lowell Ct</u> City: <u>La Mesa</u> State: <u>CA</u> Zip: <u>91940</u> Phone: <u>619-465-3438</u> Email: <u>info@soclariscontracting.com</u>	Contractor	1000011964	CA 793838	Hazardous Waste Management	\$151,500.00	SLBE	City	

① As appropriate, Design-Builder 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, Design-Builder shall indicate if Subcontractor is certified by:

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

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

Form AA05 –Design-Build List of Subcontractors to be Included in the Price Proposal Only

SUBCONTRACTORS FOR ALTERNATES

*** FOR USE WHEN LISTING SUBCONTRACTORS FOR ALTERNATES ONLY ***
(Use Additional Sheets As Needed)

IDENTIFY ALTERNATE <small>(example: Deductive Alternate B - Only one Alternate and Sub per line)</small>	SUBCONTRACTOR NAME, LOCATION, PHONE & EMAIL	SUBCONTRACTOR'S CA LICENSE NUMBER	SUBCONTRACTOR'S DIR REGISTRATION NUMBER	IS SUBCONTRACTOR CONSTRUCTOR, DESIGNER, OR SUPPLIER	TYPE OF WORK	DOLLAR VALUE OF THE ALTERNATE SUBCONTRACT <small>(Negative If Deductive)</small>
ADD	Name: <u>J&S Asphalt</u> Address: <u>12064 Woodside Ave</u> City: <u>Lakeside</u> State: <u>CA</u> Zip: <u>92040</u> Phone: <u>619-528-0593</u> Email: <u>tyler@jandsasphalt.com</u>	CA 1078473	1000805144	Constructor	Asphalt Paving	\$124,290.00
	Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____					
	Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____					
	Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____					

**SUBCONTRACTORS FOR ALTERNATE ITEMS ARE NOT CONSIDERED IN THE CALCULATION TOWARD
ACHIEVING SLBE/ELBE PARTICIPATION GOALS**

Form AA10 – Design-Build List of Subcontractors Additive/Deductive Alternate To Be Included in Price Proposal Only

DESIGN-BUILD NAMED EQUIPMENT/MATERIAL SUPPLIER LIST
TO BE INCLUDED WITH THE PRICE PROPOSAL ONLY

For credit calculations for City-funded contracts, see Chapter 10 in The WHITEBOOK. For non-City funded contracts, refer to the Funding Agency Provisions. If no indication of the supplier, manufacturer, or non-supplier is provided, listed firm will receive no credit for purpose of calculating the Subcontractor Participation Percentages.

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

① As appropriate, Design-Builder 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, Design-Builder shall indicate if Vendor/Supplier is certified by:

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

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

Form AA25 – Design-Build Named Equipment/Material Supplier List to be Included in the Price Proposal Only

ATTACHMENT I

DESIGN-BUILD AGREEMENT

DESIGN-BUILD AGREEMENT

This Design-Build agreement [Contract] is made and entered into this ____ day of __, 20XX, by and between The City of San Diego [City], a municipal corporation, and INSERT NAME OF DB FIRM [Design-Builder], for the purpose of designing and constructing the **ROSEVILLE-FLEET RIDGE IMPROVEMENTS 1** in the amount of **Fourteen Million Four Hundred Thousand Dollars and Zero Cents (\$14,400,000.00)** which is comprised of the Base Proposal, consisting of an amount not to exceed **\$5,094,000.00** for Phase 1, **\$9,090,690.00** for Phase 2, and **\$215,310.00** for Phase 3.

The City and Design-Builder are referred to herein as the "Parties".

RECITALS

- A. The City desires to construct the Project located in the City of San Diego, California.
- B. The City desires to contract with a single entity for design and construction of the Project, as set forth in this Agreement.
- C. The City has issued Request for Proposal (RFP) number **K-24-2320-DB1-3** for **ROSEVILLE-FLEET RIDGE IMPROVEMENTS 1**, pursuant to which the City solicited Proposals from design-build teams to design, rehabilitate, and build the Project.
- D. In accordance with City's RFP, Design-Builder submitted a Proposal for the Project and is prepared to enter into this Agreement.
- E. 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; Design-Builder cannot begin, nor is the City financially liable for Phase II, unless and until Design-Builder is issued a Notice to Proceed for Phase II by the City.
- F. The Design-Builder is ready, willing, and able to perform the services required in accordance with the terms and conditions of this Agreement.
- G. Execution of this Agreement by the Design-Builder is a representation that the Design-Builder has visited the Site, become familiar with the local conditions under which the Work is to be performed and correlated personal observations with requirements of the Contract Documents.

In consideration of the above recitals and the mutual covenants and conditions set forth herein, and for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the Parties hereby set forth their mutual covenants and understandings as follows.

AGREEMENT


- A. Recitals and Attachments. The above referenced recitals are true and correct and are incorporated into this Agreement by this reference. All attachments referenced in this Agreement section are incorporated into the Contract by this reference.
- B. Contract Performance. The Design-Builder shall design and construct the Project in a good and workmanlike manner to the satisfaction of the City, lien free and in compliance with the Contract Documents and within the time specified, in return for timely payment by the City in accordance with the Contract.

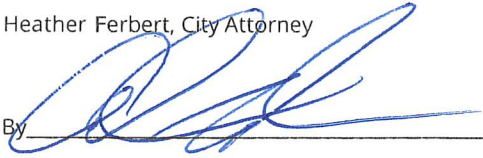
- C. Attachments. All attachments e.g., Reference Standards in the RFP, Supplementary Special Provisions (SSP), the attached Faithful Performance and Payment Bonds, Agreement and Supplemental Agreements, and the attached Proposal included in the Proposal documents by the Contractor are incorporated into the Contract by this reference.
- D. Contract Documents. This Contract incorporates the 2021 Edition of the Standard Specifications for Public Works Construction [The GREENBOOK], including amendments set forth in the 2021 edition of the San Diego Specifications for Public Works Construction [The WHITEBOOK]. The Contract Documents shall include the items mentioned in section 3-7.2 of The WHITEBOOK and shall follow that order of precedence.

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 

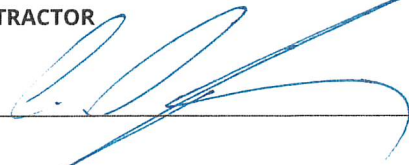
Heather Ferbert, City Attorney
By 

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

Print Name: ADAM WANDER
Deputy City Attorney

Date: March 3, 2025

Date: 3/4/25

CONTRACTOR
By 
Print Name: Adam Ogden

Title: Vice President

Date: 10/30/2024

City of San Diego License No.: B1995007394

State Contractor's License No.: 398284

PERFORMANCE BOND, LABOR AND MATERIALMEN'S BOND

FAITHFUL PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND:

KTA Construction, Inc. _____, a corporation, as principal, and
Atlantic Specialty 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 **Fourteen Million
Four Hundred Thousand Dollars and Zero Cents (\$14,400,000.00)** for the faithful performance of
the annexed contract, and in the sum of **Fourteen Million Four Hundred Thousand Dollars and
Zero Cents (\$14,400,000.00)** for the benefit of laborers and materialmen designated below.

Conditions:

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

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

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

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

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

By: C. Abarca

By: Heather Ferbert

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

Print Name: Adam Wawood
Deputy City Attorney

Date: March 3, 2025

Date: 3/4/25

CONTRACTOR

KTA Construction, Inc.

By: P. M. Henderson

SURETY

Atlantic Specialty Insurance Company

By: Lawrence F. McMahon

Attorney-In-Fact

Print Name: P. M. Henderson

Print Name: Lawrence F. McMahon

Date: 10-16-2024

Date: October 15, 2024

222 South Harbor Blvd., Suite 900, Anaheim, CA 92805

Local Address of Surety

(781) 332-8774

Local Phone Number of Surety

\$84,250.00 Subject to adjustment based
on final contract price

Premium

800041230

Bond Number



CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

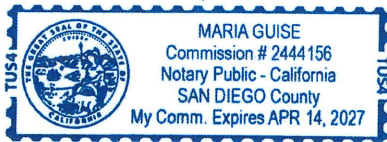
A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
 County of San Diego)
 On October 15, 2024 before me, Maria Guise, Notary Public,
Date Here Insert Name and Title of the Officer
 personally appeared Lawrence F. McMahon
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 *Maria Guise*
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

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

Description of Attached Document

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

Capacity(ies) Claimed by Signer(s)

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

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



Power of Attorney

KNOW ALL MEN BY THESE PRESENTS, that ATLANTIC SPECIALTY INSURANCE COMPANY, a New York corporation with its principal office in Plymouth, Minnesota, does hereby constitute and appoint: **James D. Castle, Lawrence F. McMahon, Maria Vhanneza Guise, Janice Martin, Sarah Myers, John R. Qualin, Tara Bacon**, each individually if there be more than one named, its true and lawful Attorney-in-Fact, to make, execute, seal and deliver, for and on its behalf as surety, any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof; provided that no bond or undertaking executed under this authority shall exceed in amount the sum of: **unlimited** and the execution of such bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof in pursuance of these presents, shall be as binding upon said Company as if they had been fully signed by an authorized officer of the Company and sealed with the Company seal. This Power of Attorney is made and executed by authority of the following resolutions adopted by the Board of Directors of ATLANTIC SPECIALTY INSURANCE COMPANY on the twenty-fifth day of September, 2012:

Resolved: That the President, any Senior Vice President or Vice-President (each an "Authorized Officer") may execute for and in behalf of the Company any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof, and affix the seal of the Company thereto; and that the Authorized Officer may appoint and authorize an Attorney-in-Fact to execute on behalf of the Company any and all such instruments and to affix the Company seal thereto; and that the Authorized Officer may at any time remove any such Attorney-in-Fact and revoke all power and authority given to any such Attorney-in-Fact.

Resolved: That the Attorney-in-Fact may be given full power and authority to execute for and in the name and on behalf of the Company any and all bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof, and any such instrument executed by any such Attorney-in-Fact shall be as binding upon the Company as if signed and sealed by an Authorized Officer and, further, the Attorney-in-Fact is hereby authorized to verify any affidavit required to be attached to bonds, recognizances, contracts of indemnity, and all other writings obligatory in the nature thereof.

This power of attorney is signed and sealed by facsimile under the authority of the following Resolution adopted by the Board of Directors of ATLANTIC SPECIALTY INSURANCE COMPANY on the twenty-fifth day of September, 2012:

Resolved: That the signature of an Authorized Officer, the signature of the Secretary or the Assistant Secretary, and the Company seal may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing an Attorney-in-Fact for purposes only of executing and sealing any bond, undertaking, recognizance or other written obligation in the nature thereof, and any such signature and seal where so used, being hereby adopted by the Company as the original signature of such officer and the original seal of the Company, to be valid and binding upon the Company with the same force and effect as though manually affixed.

IN WITNESS WHEREOF, ATLANTIC SPECIALTY INSURANCE COMPANY has caused these presents to be signed by an Authorized Officer and the seal of the Company to be affixed this first day of January, 2023.

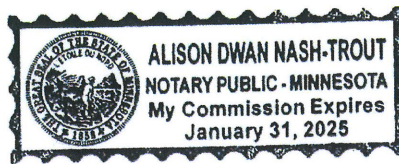
STATE OF MINNESOTA
HENNEPIN COUNTY



By

Sarah A. Kolar, Vice President and General Counsel

On this first day of January, 2023, before me personally came Sarah A. Kolar, Vice President and General Counsel of ATLANTIC SPECIALTY INSURANCE COMPANY, to me personally known to be the individual and officer described in and who executed the preceding instrument, and she acknowledged the execution of the same, and being by me duly sworn, that she is the said officer of the Company aforesaid, and that the seal affixed to the preceding instrument is the seal of said Company and that the said seal and the signature as such officer was duly affixed and subscribed to the said instrument by the authority and at the direction of the Company.



Notary Public

I, the undersigned, Secretary of ATLANTIC SPECIALTY INSURANCE COMPANY, a New York Corporation, do hereby certify that the foregoing power of attorney is in full force and has not been revoked, and the resolutions set forth above are now in force.

Signed and sealed. Dated 15th day of October, 2024.



Kara L.B. Barrow, Secretary

This Power of Attorney expires
January 31, 2025

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 Oct 16, 2024 before me , Brin Ragsdale Notary Public,
Date (here insert name and title of the officer)

personally appeared Paul M. Henderson

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: Brin Ragsdale (Seal)

OPTIONAL

Description of Attached Document

Title or Type of Document: _____ Number of Pages: _____

Document Date: _____ Other: Roseville-Fleet Ridge Bond

ELECTRONICALLY SUBMITTED FORMS

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

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

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

- A. CONTRACTOR'S CERTIFICATION OF PENDING ACTIONS**
- B. MANDATORY DISCLOSURE OF BUSINESS INTERESTS FORM**
- C. DEBARMENT AND SUSPENSION CERTIFICATION FOR PRIME CONTRACTOR**
- D. DEBARMENT AND SUSPENSION CERTIFICATION FOR SUBCONTRACTORS, SUPPLIERS AND MANUFACTURERS**
- E. DESIGN-BUILD PROPOSAL**
- F. DESIGN-BUILDER'S GENERAL INFORMATION**

CONTRACTOR'S CERTIFICATION OF PENDING ACTIONS

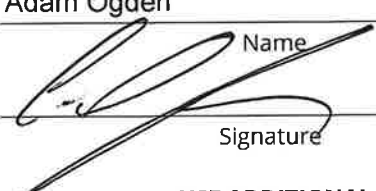
As part of its bid or proposal (Non-Price Proposal in the case of Design-Build contracts), the Bidder shall provide to the City a list of all instances within the past 10 years where a complaint was filed or pending against the Bidder in a legal or administrative proceeding alleging that Bidder discriminated 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: KTA Construction, Inc.

Certified By Adam Ogden Title V.P.
 Name
Signature Date 8/28/2024

USE ADDITIONAL FORMS AS NECESSARY

Mandatory Disclosure of Business Interests Form

BIDDER/PROPOSER INFORMATION

Legal Name		DBA	
KTA Construction, Inc.			
Street Address	City	State	Zip
821 Tavern Rd.	Alpine	CA	91901
Contact Person, Title		Phone	Fax
Mike Henderson		(619) 562-9464	(619) 562-1685

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

* The precise nature of the interest includes:

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

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

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

Name	Title/Position
Type text here Paul M. Henderson	CEO/CFO
City and State of Residence	Employer (if different than Bidder/Proposer)
El Cajon, CA	Same
Interest in the transaction	
100% Ownership/ Responsible for supervising preparation of the bids/proposals.	

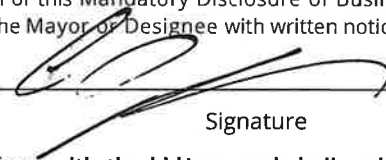
Name	Title/Position
Kennard Anderson	President
City and State of Residence	Employer (if different than Bidder/Proposer)
Alpine, CA	Same
Interest in the transaction	
0% Ownership/ Assists with preparing bids/proposals and all other aspects of project management.	

* 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.

Adam Ogden, V.P.

Print Name, Title



Signature

8/28/2024

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..

Mandatory Disclosure of Business Interests Form

BIDDER/PROPOSER INFORMATION

Legal Name		DBA	
KTA Construction, Inc.			
Street Address	City	State	Zip
821 Tavern Rd.	Alpine	CA	91901
Contact Person, Title		Phone	Fax
Mike Henderson		(619) 562-9464	(619) 562-1685

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

* The precise nature of the interest includes:

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

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

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

Name	Title/Position
Adam Ogden	Vice President
City and State of Residence	Employer (if different than Bidder/Proposer)
El Cajon, CA	Same
Interest in the transaction	
0% Ownership/ Assists with preparing bids/proposals and all other aspects of project management.	

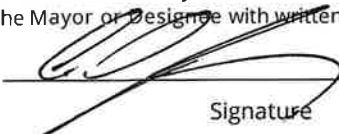
Name	Title/Position
City and State of Residence	Employer (if different than Bidder/Proposer)
Interest in the transaction	

* 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.

Adam Ogden, V.P.

Print Name, Title



Signature

8/28/2024

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): <i>Bidders and contractors</i> who have been <i>debarred</i> or <i>suspended</i> are excluded from submitting bids, submitting responses to requests for proposal or qualifications, receiving <i>contract</i> awards, executing <i>contracts</i> , participating as a <i>subcontractor</i> , <i>employee</i> , <i>agent</i> or <i>representative</i> of another <i>person</i> 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
Paul M. Henderson	CEO/CFO
Kennard Anderson	President
Adam Ogden	Vice President

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:

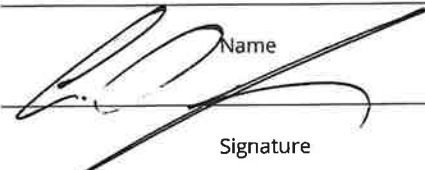
- Is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any Federal, State or local agency;
- has not been suspended, debarred, voluntarily excluded or determined ineligible by any Federal, State or local agency within the past 3 years;
- does not have 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: KTA Construction, Inc.

Certified By Adam Ogden Title V.P.


 Name
 Signature

Date 8/28/2024

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
YBS Construction Engineering	
Rudy Sanchez	President
Marissa Sanchez	Vice President

☒ SUBCONTRACTOR ☐ SUPPLIER ☐ MANUFACTURER

NAME	TITLE
J & S Asphalt, Inc	
Tyler Clyde	President/Secretary

☒ SUBCONTRACTOR ☐ SUPPLIER ☐ MANUFACTURER

NAME	TITLE
Southwest Pipeline & Trenchless Corporation	
Justin Duchaineau	President
Robert Bolger	Secretary

☒ SUBCONTRACTOR ☐ SUPPLIER ☐ MANUFACTURER

NAME	TITLE
Zebron Contracting	
Roger Decker	CEO/CFO
Ty Kline	Secretary

Contractor Name: KTA Construction, Inc

Certified By Adam Ogden Title VP


 Name
 Signature

Date 8/29/24

USE ADDITIONAL FORMS AS NECESSARY*

DEBARMENT AND SUSPENSION CERTIFICATION
SUBCONTRACTORS, SUPPLIERS AND MANUFACTURERS
TO BE COMPLETED BY BIDDER
FAILURE TO COMPLETE AND SUBMIT AT TIME OF BID SHALL RENDER BID NON-RESPONSIVE

Names of the Principal individual owner(s)

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

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

☒ SUBCONTRACTOR ☐ SUPPLIER ☐ MANUFACTURER

NAME	TITLE
Two Rivers Strategies	
Reema Boccia	President

☒ SUBCONTRACTOR ☐ SUPPLIER ☐ MANUFACTURER

NAME	TITLE
McGrath Consulting	
Michael McGrath	President

☒ SUBCONTRACTOR ☐ SUPPLIER ☐ MANUFACTURER

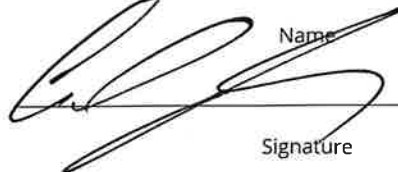
NAME	TITLE
Easy Flow	
Adam Wilson	Owner

☒ SUBCONTRACTOR ☐ SUPPLIER ☐ MANUFACTURER

NAME	TITLE
Soclaris Consulting	
Sonny Rosenal	President

Contractor Name: KTA Construction, Inc

Certified By Adam Ogden Title VP


 Name
 Signature

Date 8/29/24

USE ADDITIONAL FORMS AS NECESSARY*

DEBARMENT AND SUSPENSION CERTIFICATION
SUBCONTRACTORS, SUPPLIERS AND MANUFACTURERS

TO BE COMPLETED BY BIDDER

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

Names of the Principal individual owner(s)

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

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

☒ SUBCONTRACTOR ☐ SUPPLIER ☐ MANUFACTURER

NAME	TITLE
Nasland Engineering	
Steven Nasland	Principle
Don Kirk Nasland	Principle
Larry Thornburgh	Director of Engineering
Alisha Knight	Controller

☒ SUBCONTRACTOR ☐ SUPPLIER ☐ MANUFACTURER

NAME	TITLE
Allied Geotechnical Engineers	
Tiong J. Liem	President
Cecilia Liem	Board Member
Sani Sutanto	Vice President

☐ SUBCONTRACTOR ☐ SUPPLIER ☐ MANUFACTURER

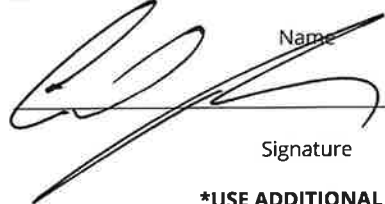
NAME	TITLE

☐ SUBCONTRACTOR ☐ SUPPLIER ☐ MANUFACTURER

NAME	TITLE

Contractor Name: KTA Construction, Inc

Certified By Adam Ogden Title VP


 Name _____
 Signature _____
 Date 8/29/24

USE ADDITIONAL FORMS AS NECESSARY*


DESIGN-BUILD PROPOSAL

1. The undersigned The Design-Builder proposes and agrees, if this Proposal is accepted, to enter into an agreement with the City in the form included in the Contract Documents to perform the Work as specified or indicated in said Contract Documents entitled **ROSEVILLE-FLEET RIDGE IMPROVEMENTS 1** Design-Build Contract.
2. The Design-Builder accepts all of the terms and conditions of the Contract Documents, including without limitation those in the RFP.
3. This Proposal will remain open for the period stated in the RFP unless otherwise required by law. The Design-Builder will enter into an agreement within the time and in the manner required in the RFP and will furnish the insurance certificates, Payment Bond, and Performance Bond required by the Contract Documents.
4. The Design-Builder has familiarized itself with the nature and extent of the Contract Documents, Work, site, locality where the Work is to be performed, the legal requirements (federal, state and local laws, ordinances, rules, and regulations), and the conditions affecting cost, progress or performance of the Work and has made such independent investigations as The Design-Builder deems necessary.

To all the foregoing, and including all Proposal schedule(s) and information required of the Design-Builder contained in this Proposal Form, said The Design-Builder further agrees to complete the Work and Services required under the Contract Documents within the Contract Time stipulated in said Contract Documents, and to accept in full payment therefore the Contract Price based on the Total Proposal Price(s) named in the aforementioned Proposal schedule(s).

Dated: 8/28/2024

The Design-Builder: KTA Construction, Inc.

By:  _____
(Signature)

Title: Vice President

PROPOSAL

DESIGN-BUILDER'S GENERAL INFORMATION

To the City of San Diego:

Pursuant to the "Request for Proposal", 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 proposal is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the proposal is genuine and not collusive or sham; that the proposer has not directly or indirectly induced or solicited any other proposer to put in a false or sham proposal, and has not directly or indirectly colluded, conspired, connived, or agreed with any proposer or anyone else to put in a sham proposal, or that anyone shall refrain from proposing; that the proposer has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the proposal price of the proposer or any other proposer, or to fix any overhead, profit, or cost element of the proposal price, or of that of any other proposer, 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 proposal are true; and, further, that the proposer has not, directly or indirectly, submitted his or her proposal 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, proposal depository, or to any member or agent thereof to effectuate a collusive or sham proposal. The undersigned proposer(s) further warrants that proposer(s) has thoroughly examined and understands the entire Contract Documents (plans and specifications) and the Proposal Documents therefore, and that by submitting said Proposal Documents as its proposal, proposer(s) acknowledges and is bound by the entire Contract Documents, including any addenda issued thereto, as such Contract Documents incorporated by reference in the Proposal Documents.

IF A SOLE OWNER OR SOLE CONTRACTOR SIGN HERE:

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

IF A PARTNERSHIP, SIGN HERE:

- (1) Name under which business is conducted _____
- (2) Name of each member of partnership, indicate character of each partner, general or special (limited):

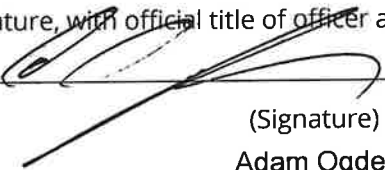
- (3) Signature (Note: Signature must be made by a general partner)

Full Name and Character of partner

- (4) Place of Business (Street & Number) _____
- (5) City and State _____ Zip Code _____
- (6) Telephone No. _____ Facsimile No. _____
- (7) Email Address _____

IF A CORPORATION, SIGN HERE:

- (1) Name under which business is conducted KTA Construction, Inc.
- (2) Signature, with official title of officer authorized to sign for the corporation:



(Signature)
Adam Ogden

(Printed Name)

Vice President

(Title of Officer)

(Impress Corporate Seal Here)

- (3) Incorporated under the laws of the State of California
- (4) Place of Business (Street & Number) 821 Tavern Rd.
- (5) City and State Alpine, CA Zip Code 91901

(6) Telephone No. (619) 562-9464 Facsimile No. (619) 562-1685

(7) Email Address Adam@ktaconstruction.com

THE FOLLOWING SECTIONS MUST BE FILLED IN BY ALL PROPOSERS:

In accordance with the "**Request for Proposal**", the proposer holds a California State Contractor's license for the following classification(s) to perform the work described in these specifications:

LICENSE CLASSIFICATION A

LICENSE NO. 398284 EXPIRES Jan 31, 2025

DEPARTMENT OF INDUSTRIAL RELATIONS (DIR) REGISTRATION NUMBER: 1000008298

This license classification must also be shown on the front of the proposal envelope. Failure to show license classification on the proposal envelope may cause return of the proposal unopened.

TAX IDENTIFICATION NUMBER (TIN): 95-3425247

E-Mail Address: Adam@ktaconstruction.com

THIS PROPOSAL MUST BE NOTARIZED BELOW:

I certify, under penalty of perjury, that the representations made herein regarding my State Contractor's license number, classification and expiration date are true and correct.

Signature  Title V.P.

SUBSCRIBED AND SWORN TO BEFORE ME, THIS _____ DAY OF _____.

Notary Public in and for the County of _____, State of _____

(NOTARIAL SEAL)

SEE ATTACHED CA CERTIFICATE

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 Aug 28, 2024 before me , Brin Ragsdale Notary Public,
Date (here insert name and title of the officer)

personally appeared Adam Ogden

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: Brin Ragsdale (Seal)

OPTIONAL

Description of Attached Document

Title or Type of Document: _____ Number of Pages: _____

Document Date: _____ Other: Design Builders General Information

City of San Diego

CITY CONTACT: Abel Martinez, Contract Specialist, Email: MartinezAbel@sandiego.gov
Phone No. (619) 533-5270

ADDENDUM 1

PROPOSAL DOCUMENTS



FOR

ROSEVILLE-FLEET RIDGE IMPROVEMENTS 1

RFP NO.:	<u>K-24-2320-DB1-3</u>
SAP NO. (WBS/IO/CC):	<u>B-22092, B-22097</u>
CLIENT DEPARTMENT:	<u>2000</u>
COUNCIL DISTRICT:	<u>2</u>
PROJECT TYPE:	<u>KB, JA</u>

PROPOSALS DUE:

2:00 PM
AUGUST 8, 2024

CITY OF SAN DIEGO'S ELECTRONIC BIDDING SITE, PLANETBIDS

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

DEPUTY CITY ENGINEER

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



For City Engineer

07/25/2024
Date

Seal:



A. CHANGES TO CONTRACT DOCUMENTS

The following changes to the RFP are hereby made effective as though originally issued with the RFP. The Design-Builders are reminded that all previous requirements to this solicitation remain in full force and effect.

B. BIDDER'S QUESTIONS

Q1. Submittal Review Times: On page 48 of 232 of the RFP it states: "The Engineer will return at least one copy of each submittal with City's written comments to the Design-Builder within 40 Working Days following receipt of the submittal by the Engineer." However, on page 37 of 232 the RFP states: "Submittal Review and Approval. The City will review each submittal within 30 Working Days of receipt."

A1. The date on Page 48 has been revised to 30 working days. (See Section C, included in this Addendum.

Q2. Highline: Under Section 2 Scope (page 36) and Section 3 City Services (page 37) the RFP does not mention who is responsible for installation and removal of highline. Who is responsible for highline installation, maintenance, and removal?

A2. It should be included in the construction contract lump sum.

Q3. Cut and Caps Connections: Under Section 2 Scope (page 36) and Section 3 City Services (page 37) the RFP does not mention who is responsible for cutting and capping water mains ahead of replacement work.

- a. Who is responsible for cutting and capping watermains?
- b. Who is responsible for turning valves and shutting down mains ahead of cutting and capping watermains?

A3. a. It should be included in the construction contract lump sum.
b. The City is responsible to operate valves. Design-Builder should not operate valves on the live system.

Q4. Final Surface Improvements / Paving: Bridging documents **22. Roseville Fleet Ridge Improv 1 -paving maps** and **11. Predesign Paving Conflict Map 6-26-23** seem to be in conflict. Bridging document 22 shows full width grind and overlay on only Hugo St and Ingelow St. While bridging document 11 shows AC overlay on additional streets. Which streets

should receive full width 2" grind and AC overlay and which streets should receive trench cap and slurry seal?

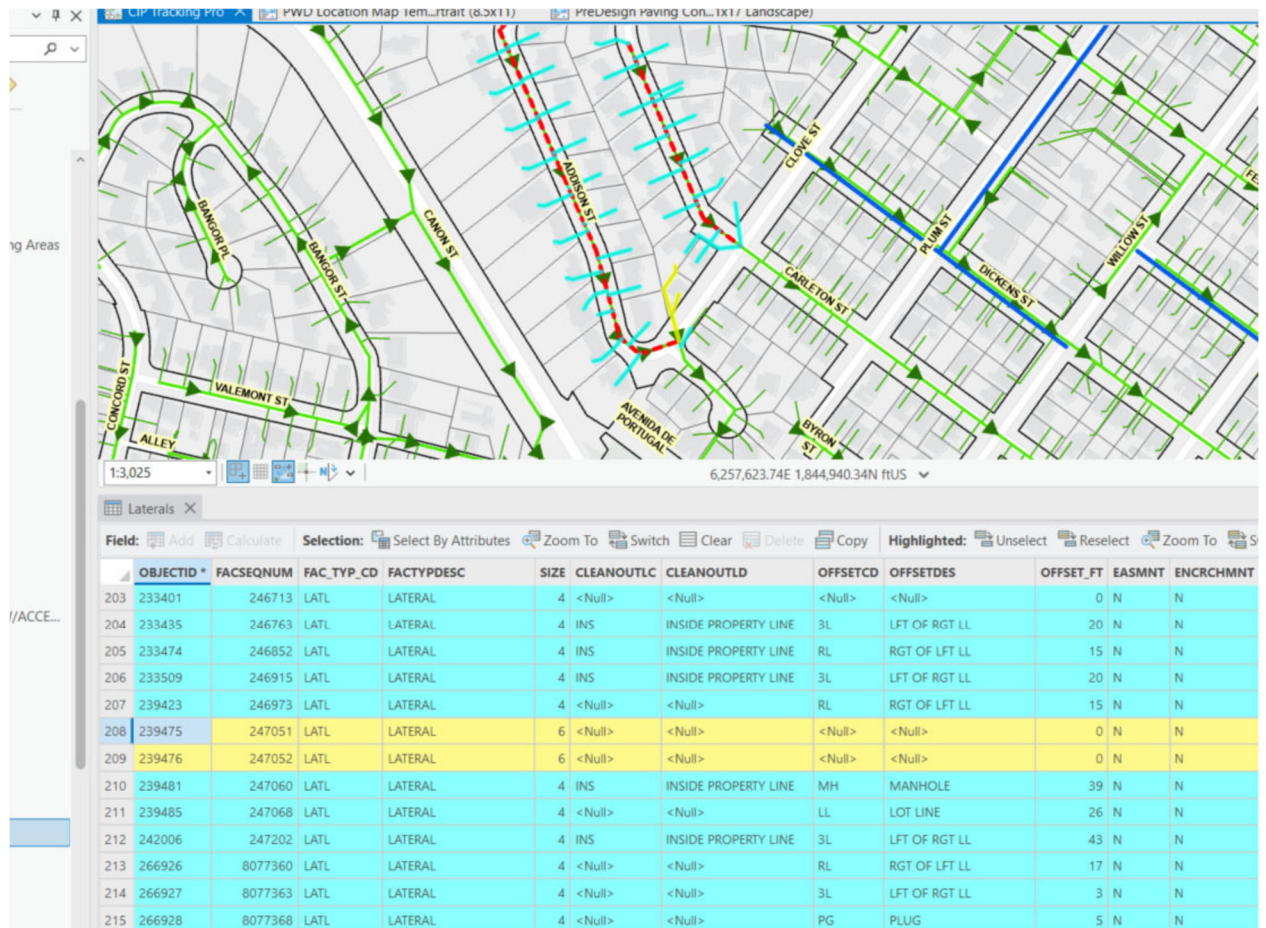
- A4. Please refer to page 44, Section 20 resurfacing treatment: The new Street Preservation Ordinance no longer requires slurry seal and requires the trench influence area to be resurfaced. For all streets that have trenching, the cost to resurface within the influence area shall be included in the Contract Price. For Asphalt Concrete Streets, resurfacing and preparatory work outside the influence area shall not be included in the Contract Price. Resurfacing bid items have been included as a bid alternate to resurface the area outside the influence area for Ingelow St from Scotts St to Rosecrans St and Hugo St from Plum St to End. These bid items are not included in the Lump Sum values for Construction provided in the bid list.
- Q5. Manhole Rehabilitation, Repair and Replacement and cleanout installation:
The RFP Describes the installation of 11 cleanouts and one new manhole. The Predesign project constraints Map and the paving conflict map show: 11 clean out installations and 1 new MH installation. The predesign sewer map shows: 43 Manhole Repairs, 3 manhole rehabs, 11 cleanouts, 1 new MH, 1 manhole repair and rehab, and 8 manholes without CCTV or reports.
- a. Can we assume cleanouts all conform to SDS-121?
 - b. Are the cleanouts assumed to be residential lateral cleanouts or mainline sewer cleanouts?
 - c. What should be included in a manhole repair?
 - d. What should be included in manhole rehab?
 - e. Can you provide the CCTV or reports mentioned on the predesign sewer map?
- A5. a. The SDS-121 is for sewer main cleanouts, for sewer lateral cleanout (in paved alley or other areas subject to traffic) it should be per SDS-102, and for sewer lateral cleanout on sidewalk and parkway it should be per SDS-103
- b. For cleanout associated with laterals, it is residential lateral cleanouts and for mainline cleanout it would be a mainline sewer cleanouts.
 - c. Please refer to all work as specified on Section 502 of the Whitebook.
 - d. Please refer to all work as specified on Section 502 of the Whitebook.
 - e. Please refer to Section 4.1 on page 38.

Q6. Replumbs: On page 37, under the scope the RFP states that Replumbs may be required, however other documents in the RFP seem to indicate that no Replumbs should be included. Can this job be bid assuming no replumbs are needed?

A6. Yes, based on the current scope of work assume no replumbs are needed.

Q7. Can you confirm the diameter of all the sewer lateral rehabs to be 4-inch diameter or 6-inch diameter?

A7. According to City's Compass GIS, we only have two (2) 6" sewer laterals to be rehabbed and the rest are 4" sewer laterals to be rehabbed. Below please find the screenshot of the location of these two 6" sewer laterals highlighted in yellow.



C. CHANGE TO REQUEST FOR PROPOSAL

1. To Attachment A, Project Description, Scope of Work, Technical Specifications, and/or Bridging Documents, **Section 2, Scope of Work**, page 36, Sub-section **2.7.**, **DELETE** in its entirety and **SUBSTITUTE** with the following:
 - 2.7.** The Scope of Work and Services [Scope] shall also include but is not limited to the following:
 - 2.7.1** Conducting investigations and as-built research needed for the completion of design work;
 - 2.7.2** Conduct and review the CCTV to determine the assessment of the existing pipe condition and manholes.
 - 2.7.3** Preparing and completing 30%, 60%, 100%, and Final design drawings. The Design-Builder is solely responsible for the preparation and completion of design plans for construction;
 - 2.7.4** Obtaining plan check approvals; and providing engineering services during construction, startup, and testing and approval from Department of Public Health for water and sewer separation;
 - 2.7.5** Construction, rehabilitation and point repair of sewer mains, services, and appurtenances including all work associated;
 - 2.7.6** Construction of water mains, services, and appurtenances including all work associated;
 - 2.7.7** Value engineering;
 - 2.7.8** Additional geotechnical investigation and potholing;
 - 2.7.9** Performance and implementation of QA/QC;
 - 2.7.10** Landscaping and re-vegetation plan, if required;
 - 2.7.11** Traffic control, striping, storm water permitting and compliance; Concrete road shall be restored beyond the edge of the trench cut to the nearest expansion, cold

joint, or construction joint. Surface restoration for each phase of the project shall occur at the completion of construction for that phase and not at the end of construction of all phases;

2.7.12 Coordinating with the City Project and Construction Managers and other utility owners/contractors; Coordinate utility relocations with utility owners; and

2.7.13 Scheduling, community outreach and public relations, and preparation of asbuilt drawings and mylars.

2. To Attachment A, Project Description, Scope of Work, Technical Specifications, and/or Bridging Documents, **Section 28. Shop Drawings, Material Submittals and Samples**, page 48, Sub-section **28.9.5.**, **DELETE** in its entirety and **SUBSTITUTE** with the following:

28.9.5. The Engineer will return at least one copy of each submittal with City's written comments to the Design-Builder within 30 Working Days following receipt of the submittal by the Engineer. If the Design-Builder fails to provide a complete and acceptable first re-submittal, as determined by the Engineer, City may deduct from the Contract Price the costs of City review beyond the first resubmittal.

3. To Attachment G, Evaluation and Selection Criteria, page 205, **Section 4, Technical Approach and Design Concept (35 Points Max)**, Sub-section **4.1.**, Sub-item **4.1.1.**, **DELETE** in its entirety and **SUBSTITUTE** with the following:

4.1.1. The City will select a Proposer that will offer the highest overall score based on adjusted low proposal for the design and construction per the scope shown in Attachment 'A' and the requirements of this contract. The Work and Services required of the Proposer include those during design, construction, and startup of the Project. The Proposer shall provide all management, supervision, labor, services, temporary services, equipment, tools, supplies, and any other item of every kind and description required for the complete design and construction, of the Project, as described in Attachment 'A'.

4. To Attachment G, Evaluation and Selection Criteria, page 208, **Section 10, Final Selection Based on Weighted Criteria, DELETE** in its entirety and **SUBSTITUTE** with the following:

10. Final Selection Based On Adjusted Low Proposal

10.1. The ranking of each Design-Builder during the Technical Proposal review and the interviews will serve as the divisor of the Price Proposal and determine the weighted price.

10.2 Following review of the Technical Proposals and the presentations/interviews, the resulting qualitative evaluation scores will be totaled, averaged and converted to a decimal. The Proposal price will then be divided by the scores from the Technical Proposals. This becomes the Adjusted Low Proposal. The lowest adjusted proposal will be recommended for contract award. The adjustment to the Price Proposal is for selection purposes only. The Price Proposal as submitted is the actual Contract Price.

10.3. The following example illustrates the process:

Design-Builder	Qualitative Score (100 Maximum)	Price Proposal	Adjusted Price *
A	0.85	\$1,000,000.00	\$1,176,471
B	0.95	\$1,300,000.00	\$1,368,421
C	0.65	\$900,000.00	\$1,384,615
* The adjustment to the Proposal is for selection only. Firm "A" has Adjusted Lowest Proposal. The Price Proposal is the actual Contract amount.			

Rania Amen, Director
Engineering & Capital Projects Department

Dated: *July 26, 2024*
San Diego, California

RA/AJ/yk

City of San Diego

CITY CONTACT: Abel Martinez, Contract Specialist, Email: MartinezAbel@sandiego.gov
Phone No. (619) 533-5270

ADDENDUM 2

PROPOSAL DOCUMENTS



FOR

ROSEVILLE-FLEET RIDGE IMPROVEMENTS 1

RFP NO.:	K-24-2320-DB1-3
SAP NO. (WBS/IO/CC):	B-22092, B-22097
CLIENT DEPARTMENT:	2000
COUNCIL DISTRICT:	2
PROJECT TYPE:	KB, JA

PROPOSALS DUE:

2:00 PM

AUGUST 29, 2024

CITY OF SAN DIEGO'S ELECTRONIC BIDDING SITE, PLANETBIDS

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

A. CHANGES TO CONTRACT DOCUMENTS

The following changes to the RFP are hereby made effective as though originally issued with the RFP. The Design-Builders are reminded that all previous requirements to this solicitation remain in full force and effect.

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

Rania Amen, Director
Engineering & Capital Projects Department

Dated: *August 1, 2024*
San Diego, California

RA/AJ/yk

City of San Diego

CITY CONTACT: Abel Martinez, Contract Specialist, Email: MartinezAbel@sandiego.gov
Phone No. (619) 533-5270

ADDENDUM 3 PROPOSAL DOCUMENTS



FOR

ROSEVILLE-FLEET RIDGE IMPROVEMENTS 1

RFP NO.:	K-24-2320-DB1-3
SAP NO. (WBS/IO/CC):	B-22092, B-22097
CLIENT DEPARTMENT:	2000
COUNCIL DISTRICT:	2
PROJECT TYPE:	KB, JA

PROPOSALS DUE:

2:00 PM


AUGUST 29, 2024

CITY OF SAN DIEGO'S ELECTRONIC BIDDING SITE, PLANETBIDS

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

DEPUTY CITY ENGINEER

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



For City Engineer

08/12/2024

Date

Seal:



A. CHANGES TO CONTRACT DOCUMENTS

The following changes to the RFP are hereby made effective as though originally issued with the RFP. The Design-Builders are reminded that all previous requirements to this solicitation remain in full force and effect.

B. BIDDER'S QUESTIONS

- Q1. Addendum A, Q5(c) & Q5(d) have the same response to section 502 of the Whitebook, but this is contradicted by the legend on the Predesign Sewer Map as these are all delineated with different colors and descriptions. Why are the "manhole repair" and "manhole rehab" delineated differently on the Predesign Sewer Map in the bridging documents? Additionally, there is an item called "manhole repair & rehab," does this really all draw to section 502 of the Whitebook as the Addendum A response states? It seems like there is a difference between these three items and should have different responses rather than all referring section 502 of the Whitebook. Please confirm what that difference is between "manhole repair" "manhole rehab & "manhole repair & rehab" on the Predesign Sewer Map from the bridging documents provided by the City, please.
- A1. The manhole repair is only manhole repair and does not include rehab, please refer to bridging documents_ FSN List_ Sewer MHs tab, to see the MH repair scopes for MH#'s. Manhole repair & rehab includes both lining and repairing the MHs. And MH rehab is only lining the MH. For all cases they need to be in accordance with both Whitebook and Greenbook Section 502, which describes all the needed steps and preparatory work which includes cleaning, surface preparation and inspection for both manhole rehab and manhole repair & rehab (GB 502-4.2).
- Q2. Please confirm that laterals connected to mains designated for lining are also to be lined with cleanouts installed at the property lines. If so, will City survey locate property lines for the design builder to install cleanouts?
- A2. Yes, all laterals connected to mains designated for lining are to be lined with cleanouts installed at property line. Please refer to project's Scope of Work, Section 1, Section 2, and Supplementary Special Provisions, page 103, Sub-section 3-8.4, Supporting Information, page 123 Sub-section 7-3.1, General. Regarding survey, the preliminary survey reports are provided in the Bridging document folder, if any additional survey is needed Design-Builder will be

required to perform additional survey, please refer to page 41, Section 13, Surveying.

- Q3. There are several locations of sewer point repairs shown in the location map. Are CCTV videos or reports available for these point repair locations? If not, can the City please provide more detail regarding the location and nature of the point repairs?
- A3. Please refer to Sub-section 4.1. on page 38.
- Q4. The location map indicates a light blue dashed lines on several streets where water main is designated for replacement, but there is not a description what that means in the legend. Can the City provide a clarification?
- A4. The light blue line was originally related to AC overlay locations but after new Street Preservation Ordinance this legend is no longer needed. (refer to page 44, Section 20 Resurfacing Treatment)
- Q5. Facility inspection reports were provided which ranged from 6-9 years old and likely do reflect current conditions of mains, will extra contingency be included to cover additional point repairs or sewer main replacement?
- A5. Any point repairs that are identified in the scope of work's FSNs described in the Attachment A is included in the lump sum Contract Price. Any additional point repairs work or sewer main replacement identified outside of those FSNs in the scope of work described in Attachment A, an allowance bid item has been included in the Price Proposal Forms. Please refer to Whitebook Section 500-4.7.
- Q6. The sewer pre-design map has callouts for approximately 52 manhole repairs to be performed. There is no description in the documents that we can find that provides any details on what a manhole repair consists of. Can the City provide a definition of what to include in our price proposal for this work. For instance, if there are failed or spalled concrete sections of the manhole is the contractor expected to excavate and remove and replace manhole shafting? Or strictly perform interior mortar patching and assume that no excavation will be required? Or are we to just include a standard manhole rehab type scope: Hydroblast interior, apply up to 1" of mortar to restore surfaces. Followed by polyurethane lining and spark testing?
- A6. Please refer to both Whitebook and Greenbook Section 502 and Bridging Documents_ FSN List_ "Sewer MHs" tab to check needed steps to take for MH repair. According to FSN list and manhole dispatch, Manholes labeled repair include step removal and any applicable

repairs as shown in the FSN list, MH repair mostly includes step removal but some manholes also need removing roots and repairing spalling as shown in the FSN list (Sewer MH tab) and a Repair MH floor for standing water. Only manholes that calls out for rehab or repair+rehab were identified to be lined.

C. ADDENDUM

1. To Addendum 1, **Section C., CHANGE TO REQUEST FOR PROPOSAL, Items 3 and 4, DELETE** in their entirety.

D. CHANGE TO REQUEST FOR PROPOSAL

1. To Section 1, INTRODUCTION AND PROJECT OVERVIEW, **Item 5, ESTIMATED PROJECT COST**, page 6, **DELETE** in its entirety and **SUBSTITUTE** with the following:

5. ESTIMATED PROJECT COST: The City's estimated cost for this project is **\$11,500,000.00**.

2. To the Attachment E – Supplementary Special Provisions, Section 500 – Pipeline Rehabilitation, **Sub-section 500-4.7, Payment**, page 146, **DELETE** in its entirety and **SUBSTITUTE** with the following:

500-4.7 Payment. To the "WHITEBOOK", **DELETE** in its entirety and **SUBSTITUTE** with the following:

1. Any point repairs that are identified in the scope of work per attachment A shall be included in the lump sum bid item for **"Construction (Sewer)"**. Any additional point repair work identified outside the scope of work included in Attachment A shall be approved by the Engineer and shall be measured and paid under the Allowance Bid Item for **"Additional Point Repair for Existing Sewer Main"**. Measurement shall be made at the pipe and shall be based on the length of pipe repaired. You shall be paid for 1 point repair for each repair 8 ft (2.43 m) or less in length. Any continuous point repair greater than 8 ft (2.43 m), shall be included in the bid item **"Construction (Sewer)"**. This payment shall include all necessary labor, materials, and equipment to clean, repair, excavate, inspect the Point

Repair, backfill and restore pavement. See 500-1 General for permanent pavement restoration requirements.

3. To **ATTACHMENT G, EVALUATION AND SELECTION CRITERIA**, pages 204 through 209, **DELETE** in their entirety and **SUBSTITUTE** with pages 7 through 11 of this Addendum:
4. To **ATTACHMENT H, PRICE FORMS, PRICE PROPOSAL FORMS**, pages 211 through 215, **DELETE** in their entirety and **SUBSTITUTE** with pages 12 through 17 of this Addendum.

Rania Amen, Director
Engineering & Capital Projects Department

Dated: *August 13, 2024*
San Diego, California

RA/AJ/yk

ATTACHMENT G

EVALUATION AND SELECTION CRITERIA

EVALUATION AND SELECTION CRITERIA

Proposals will be ranked according to the criteria described below:

1. **Proposer Exceptions to this RFP – Pass / Fail**

- 1.1. If the Proposer takes exception to any portion of the contract terms, the Proposer must identify and explain to the City in writing the basis for the exception. The Proposer must submit any claimed exception a minimum of 10 calendar days prior to the due date for submission of Proposals. Exceptions taken after the submission period for this RFP may be cause for rejection of the Proposal as being **non-responsive**.

2. **Summary of Proposal (5 Points Max)**

- 2.1. Each Proposer must submit a one to two page summary of its Proposal.

3. **Project Team (5 Points Max)**

- 3.1. Describe the proposed management plan for this Project. Describe the qualifications of key proposed construction and technical personnel, and subcontractors, from applicable fields including the following:
 - 3.1.1. Civil
 - 3.1.2. Environmental
 - 3.1.3. Geotechnical

4. **Technical Approach and Design Concept (35 Points Max)**

- 4.1. Describe in detail the proposed design concept for this Project. Include detailed descriptions, conceptual design drawings, schematics, a list of major equipment, and any other information deemed necessary to allow the City to make an informed evaluation of the Proposer's technical approach. The completeness and technical merit of the design concept will be evaluated.

The following elements shall be included in this Technical Proposal:

- 4.1.1. The City will select a Proposer that will offer the highest overall score based on adjusted low proposal for the design and construction per the scope shown in Attachment 'A' and the requirements of this contract. The Work and Services required of the Proposer include those during design, construction, and startup of the Project. The Proposer shall provide all management, supervision, labor, services, temporary services, equipment, tools, supplies, and any other item of every kind and description required for the complete design and construction, of the Project, as described in Attachment 'A'.

- 4.1.2. The Project Manager will assemble a team which will evaluate the proposals and utilize the point system described below to rank the Proposer. The Proposers will be notified in writing of the City's final decision.
- 4.1.3. Proposed Design Schedule: Outline the proposed design schedule, including sequencing of each major design component (30%, 60%, 90%, 100%, and final Design) and proposed durations.
- 4.1.4. Water Highlining Plans
- 4.1.5. Sewer By-Pass Plans
- 4.1.6. Phasing of design and construction work
- 4.1.7. Permits, If applicable- the Design-Builder shall identify what permits are required and what is the proposed plan/timeline to obtain the required permit(s).
- 4.1.8. Traffic Control Approach – The Design-Builder shall describe its general approach to developing a traffic control and local access management plan (Traffic Control Plan).
- 4.1.9. Water Replumb Approach, if applicable – The Design-Builder shall describe its general approach to completing the replumbs associated with this project.
- 4.1.10. Storm Water Pollution Control Best Management Practices
- 4.1.11. Subsurface Investigation and Geotechnical Work
- 4.1.12. Quality Assurance/Quality Control Plan (QA/QC Plan) – The Design-Builder shall submit a QA/QC Plan specifically developed for this project.

5. Construction Plan (25 Points Max)

- 5.1. Describe the proposed construction plan for this Project, including the following, at a minimum:
 - 5.1.1. Identify Challenges/Issues – Identify the largest challenges associated with this Project and describe how your team has overcome similar challenges on Identified previous project your team has successfully completed.
 - 5.1.2. Construction approach and methods
 - 5.1.3. Plan for operation of facility during construction
 - 5.1.4. Plan for phasing of construction activities
 - 5.1.5. General plan for functional testing and start-up.

- 5.1.6. Proposed safety program
- 5.1.7. Proposed emergency response plan
- 5.1.8. Proposed construction schedule
- 5.1.9. Traffic Control Management
- 5.1.10. Community Impact/Outreach -Describe your efforts to minimize impacts to businesses and residents and how you will coordinate construction in their community, including how the Design-Builder will provide effective public information and respond to public concerns as well as Construction mitigation plan to minimize impacts to local businesses and residents. (i.e. impacts business access and parking). Refer to Attachment A – Section 32.4.
- 5.1.11. Critical path schedule
- 5.1.12. Describe cost saving measures

6. Equal Opportunity Contracting Program (25 Points Max)

- 6.1. Failure to submit the required EOCP information will result in Proposal being determined as **non-responsive**.
- 6.2. Subcontractor Documentation
 - 6.2.1. The points will be awarded according to the chart below, based upon actual subcontract award amounts, as set forth in the price proposals.

OUTCOME		MAXIMUM POSSIBLE POINTS
1	5% - 9% participation SLBE, ELBE or DVBE	5
2	10%-14% participation SLBE, ELBE or DVBE	10
3	15%-19% participation SLBE, ELBE or DVBE	15
4	20%-24% participation SLBE, ELBE or DVBE	20
5	25% participation SLBE, ELBE or DVBE	25
In no case the points shall exceed 25.		

7. Reference Checks (5 Points Max)

- 7.1 Provide at least 2 references.

TOTAL POINTS: 100

8. Review of Technical Proposal

- 8.1. Following the receipt of the Technical Proposal, the City anticipates allotting 2 weeks for review of the Technical Proposals.

9. Final Selection Based on Adjusted Low Proposal

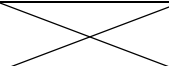

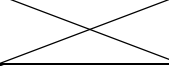
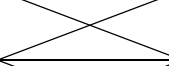
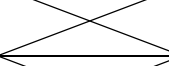
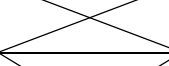
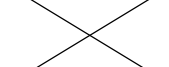
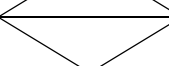
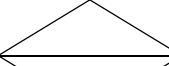

- 9.1. The ranking of each Design-Builder during the Technical Proposal review and the interviews will serve as the divisor of the Price Proposal and determine the weighted price.
- 9.2. Following review of the Technical Proposals and the presentations/interviews, the resulting qualitative evaluation scores will be totaled, averaged and converted to a decimal. The Proposal price will then be divided by the scores from the Technical Proposals. This becomes the Adjusted Low Proposal. The lowest adjusted proposal will be recommended for contract award. The adjustment to the Price Proposal is for selection purposes only. The Price Proposal as submitted is the actual Contract Price.
- 9.3. The following example illustrates the process:

Design-Builder	Qualitative Score (100 Maximum)	Price Proposal	Adjusted Price *
A	0.85	\$1,000,000.00	\$1,176,471
B	0.95	\$1,300,000.00	\$1,368,421
C	0.65	\$900,000.00	\$1,384,615
* The adjustment to the Proposal is for selection only. Firm "A" has Adjusted Lowest Proposal. The Price Proposal is the actual Contract amount.			

ATTACHMENT H
PRICE FORMS

PRICE PROPOSAL FORMS

The Design-Builder agrees to the design and construction of **ROSEVILLE-FLEET RIDGE IMPROVEMENTS 1**, for the City of San Diego, in accordance with these contract documents for the lump sum price listed below. The Design-Builder guarantees the proposed prices for a period of 120 Days from the date Proposals are due. The duration of the price guarantee may be extended as required by mutual consent.

Item No.	NAICS CODE	Description	Quantity	D*	Unit	Unit Price	Extension
BASE PROPOSAL FOR WATER							
1	524126	Bonds (Payment and Performance) (Water)	1		LS		\$
2	541330	Engineering and Design Services (Water)	1	D	LS		\$
3	237110	Construction (Water)	1		LS		\$
4		City Contingency (EOC Type II) (Water)	1		AL		\$231,250
5	541330	WPCP Development (Water)	1	D	LS		\$
6	237310	WPCP Implementation (Water)	1		LS		\$
7	541330	Traffic Control and Engineered Traffic Control Plans	1		LS		\$
8	237310	Dewatering Hazardous Contaminated Water	1		LS		\$
9	237310	Dewatering Non-Hazardous Contaminated Water	1		LS		\$
10	237310	Dewatering Permit and Discharge Fees (EOC Type I)	1		AL		\$10,000

Item No.	NAICS CODE	Description	Quantity	D*	Unit	Unit Price	Extension
11	238990	Community Health and Safety Plan (CHSP)	1		LS		\$
12	541690	Preparation of Hazardous Waste Management Plan and Reporting	1		LS		\$
13	238990	Preparation and Implementation of the Community Health and Safety Plan	1		LS		\$
14	541690	Monitoring of Contaminated Soil	80		HR	\$	\$
15	238990	Testing, Sampling, Site Storage, and Handling of Petroleum Contaminated Soil	1,000		TON	\$	\$
16	238990	Loading, Transportation, and Disposal of Petroleum Contaminated Soil	1,000		TON	\$	\$
17	238990	Testing, Sampling, Site Storage, and Handling of Soils Containing Non-RCRA Hazardous Waste	100		TON	\$	\$
18	238990	Loading, Transportation, and Disposal of Soils Containing Non-RCRA Hazardous Waste	100		TON	\$	\$
19	238990	Testing, Sampling, Site Storage, Handling, Transportation, and Disposal of Non-RCRA Hazardous Waste Contamination from the Treatment of Contaminated Ground Water	100		GAL	\$	\$
SUBTOTAL BASE PROPOSAL FOR WATER (ITEMS NO. 1 THROUGH 19), INCLUSIVE):							\$

Item No.	NAICS CODE	Description	Quantity	D*	Unit	Unit Price	Extension
BASE PROPOSAL FOR SEWER							
1	524126	Bonds (Payment and Performance) (Sewer)	1		LS		\$
2	541330	Engineering and Design Services (Sewer)	1	D	LS		\$
3	237110	Construction (Sewer)	1		LS		\$
4		City Contingency (EOC Type II) (Sewer)	1		AL		\$193,750
5	541330	WPCP Development (Sewer)	1	D	LS		\$
6	237310	WPCP Implementation (Sewer)	1		LS		\$
7	237310	Additional Point Repair for Existing Sewer Main (8 Inch) (EOC Type 1) (Sewer)	1		AL		\$50,000
SUBTOTAL BASE PROPOSAL FOR SEWER (ITEMS NO. 1 THROUGH 7), INCLUSIVE):							\$
TOTAL FOR BASE PROPOSAL FOR WATER (ITEMS NO. 1 THROUGH 19) PLUS BASE PROPOSAL FOR SEWER (ITEMS NO. 1 THROUGH 7), INCLUSIVE):							\$
ADDITIVE ALTERNATE A							
1	237310	Asphalt Concrete Overlay (2 Inch)	380		TON	\$	\$
2	237310	Cold Mill AC Pavement (2 Inch)	31,300		SF	\$	\$
3		Field Order (EOC Type II)	1		AL		\$50,000
SUBTOTAL FOR ADDITIVE ALTERNATE A (ITEMS NO. 1 THROUGH 3), INCLUSIVE):							\$
TOTAL PRICE FOR DESIGN-BUILD BASE PROPOSAL FOR WATER (ITEMS NO. 1 THROUGH 19) PLUS BASE PROPOSAL FOR SEWER (ITEMS NO. 1 THROUGH 7) PLUS ADDITIVE ALTERNATE A (ITEMS 1 THROUGH 3), INCLUSIVE:							\$

*** Design Element (For City Use)**

Total Price for Design-Build Base Proposal for Water, (Items 1 through 19) PLUS Base Proposal for Sewer (Items 1 through 7) PLUS Additive Alternate A (Items 1 through 3) inclusive, amount written in words:

Design-Builder:_____

Title:_____

Signature:_____

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

IMPORTANT NOTICE: If Design-Builder 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 Design-Builder or other interested person is an individual, state first and last names in full.

NOTES:

- A. The Contract Price to be used in the selection process as described in Attachment G of the RFP will be determined by the Base Proposal plus all Alternates.
- B. After the selected Design-Builder has been determined, the City may, at its sole discretion, award the contract for the Base Proposal alone or for the Base Proposal plus one or more alternates.
- C. Proposals shall not contain any recapitulation of the Work. Conditional Proposals may be rejected as being **non-responsive**. Alternative proposals will not be considered unless called for.
- D. Subcontractors' License Numbers must be filled in. Failure to provide the information specified may deem the bidder **non-responsive**.
- E. Blank spaces must be filled in. The Design-Builder's failure to submit a price may render the Proposal non-responsive and ineligible for award.
- F. Unit prices shall be entered for all unit price items. Unit prices shall not exceed two (2) decimal places. If the Unit prices entered exceed two (2) decimal places, the City will only use the first two digits after the decimal points without rounding up or down.
- G. All extensions of the unit prices bid will be subject to verification by the City. In the case of conflict between the Product of the Quantity x Unit Price and the written Extension, the Product shall govern.
- H. In the case of conflict, between the sum of the Extensions and the Bid Total, the sum of the Extensions shall govern



TECHNICAL PROPOSAL

Roseville Fleet Ridge Improv 1

RFP K-24-2320-DB1-3

August 29, 2024

Prepared by:



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Appendix -

Identification of Proposers

GENERAL CONTRACTOR

Legal name of company	KTA Construction, Inc.
Legal form of entity	California Corporation
Year of establishment of entity	1979
Parent company	KTA does not have a parent company
Address of main office	821 Tavern Road, Alpine, CA 91901
Address satellite office	N/A
Contact information	Mike Henderson, Owner/CEO, KTA Construction 821 Tavern Road, Alpine, CA 91901 (619) 562-9464 Mike@KTAConstruction.com
# of employees in SD County	61 Employees
City of SD Business License	License #B1995007391 Exp. July 31, 2025
State Contractor’s License No.	State of CA – Class A GC License #398284 Exp. January 31, 2025

DESIGNER

Legal name of company	Nasland Engineering
Legal form of entity	California Corporation
Year of establishment of entity	1959
Parent company	Nasland does not have a parent company
Address of main office	4740 Ruffner Street, San Diego, CA 92111
Address satellite office	N/A
Contact information	Steven D. Nasland, Principal, Nasland 4740 Ruffner Street, San Diego, CA 92111 (858) 292-7770 Steve@nasland.com
# of employees in SD County	40 Employees
City of SD Business License	License # B1974002146 Exp. June 30, 2025
Professional A/E License No.	State of CA – Civil Engineer #39799 Exp. December 31, 2025

Addenda to this RFP

The KTA Construction and Nasland Engineering Team is in receipt of Addendum 1, dated July 26, 2024, Addendum 2, dated August 1, 2024, and Addendum 3, dated August 13th, 2024 for the Request for Proposal for Roseville-Fleet Ridge project (K-24-2320-DB1-3).



Nasland Project – City of San Diego Florida Drive Emergency Storm Drain

1. Proposer Exceptions to this RFP

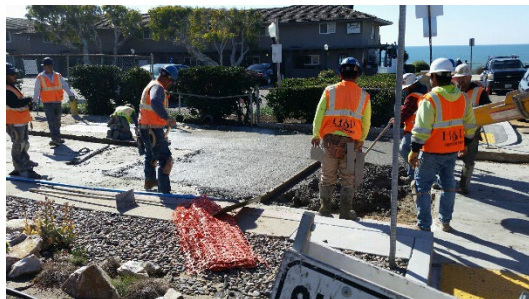
The KTA Construction and Nasland Engineering Team has reviewed the RFP and does not take any exceptions.



KTA Project – City of San Diego Otay Valley Sewer Manhole Rehabilitation (Phase 1 & 2)

2. Summary of Proposal

Introduction



KTA Construction, Inc. (KTA) is a locally owned and operated general engineering construction company that specializes in sewer, water, and storm drain pipeline projects. Our construction expertise includes pipeline projects of all sizes and complexities and all related structures: manholes, inlets, reinforced concrete box culverts, junction structures, dissipators, headwalls, pressure reducing stations, pump stations, and wet wells.

KTA has successfully completed multiple pipeline projects in the San Diego area since 1980, receiving APWA awards on nine City of San Diego projects for “Outstanding Civil Engineering Projects”. Additionally, KTA has been awarded two Associated General Contractors (AGC) “Build San Diego Awards” for City of San Diego projects (Alta La Jolla Storm Drainage Repair) and (Avenida De La Playa Storm Drain Project).

KTA has organized an exceptionally qualified design-build team with Nasland Engineering (Nasland). Nasland, like KTA, has a long history of working in the City of San Diego on sewer, water, and storm drain projects. Nasland recently completed work with the City on the design and construction of the Old Otay Mesa Road Improvements, which includes a 24” steel water line, and was an extremely successful project that garnered an APWA “Honor Award of the Year” award. Additional similar work includes the City of San Diego Florida Drive Emergency Storm Drain project, which also received an “Honor Award of the Year” from APWA. The KTA and Nasland team members each have a long successful record of accomplishments for designing and constructing sewer, water, and storm drain projects for the City. The KTA and Nasland team are both local firms with knowledge of the San Diego area, having previously held a Multiple Award Construction Contract (MACC) with the City of San Diego. Both firms are also greatly familiar with the local project environment, having worked with the residents, merchants, and other stakeholders on a regular basis.

KTA will be the general contractor responsible for management of the entire project with Nasland providing project design, surveys, project plans, plan revisions, shop drawing submittals, QA/QC, and tech support. The KTA and Nasland team are familiar with and fully capable of conducting design, surveys, biological and environmental compliance, geotechnical, SWPPP, community outreach and field investigations. All are licensed in their specific disciplines and all field implementations will be carried out by qualified personnel.

Team Leadership

Kenny Anderson will lead the design build team. Mr. Anderson, the President and General Superintendent for KTA Construction, Inc., has over 45 years of experience in the construction of underground pipelines in the San Diego area and has managed the successful completion of over 100 sewer, water, and storm drain projects for the City of San Diego. It will be his



responsibility to ensure that all contractual requirements are strictly adhered to and that quality projects are delivered to the City in a timely and cost-efficient manner. Mr. Anderson will be the primary point of contact for the City and will oversee daily coordination.

Larry Thornburgh, PE, PLS of Nasland Engineering will be the Design Manager, responsible for all project design work. Mr. Thornburgh has over 35 years of experience in the planning, design, and construction of water systems, wastewater collection, transmission, treatment systems and storm water projects.

Jarrett Linn, PE, will be the Project Manager and will be responsible for all project coordination, management, and construction oversight. He has served as a Project Manager on over 50 projects for the City of San Diego and has cultivated a close relationship with KTA. He will remain on the project from inception to close-out.

Quality Control Measures

Nasland will manage and prepare documents for all design related activities including final design and as-built drawings, utilizing proven design processes, following City standard practices and using a proven QA/QC plan. KTA will work with Nasland to coordinate field related activities involving excavation, shoring, CCTV, drilling, connections, BMPs, potholing, materials and related phasing of project activities.

Construction will be well planned and implemented for quality control. Any conflicts will be addressed ahead of time with proposed resolutions. Project plans will assure high quality construction on schedule and within budget. KTA's Construction Plan is based on providing a safe, well managed project. KTA will partner with City staff to assure complete coordination well in advance of construction for high-lining, cut, plugs, and reconnects. KTA construction efforts are directed at keeping a low profile in the community while the necessary and beneficial improvement work is being completed.

The KTA team has been successful on all previous City of San Diego projects and is very familiar with the City standards, procedures, and requirements.

SLBE/ELBE/DVBE Outreach

KTA is continuously committed to our equal employment opportunity plan and affirmative action policy. We will exceed the percentage of participation requirement for this project by qualified SLBE/ELBE/DVBE participation. The KTA/Nasland team is pleased to include the following sub-consultants/sub-contractors on our team:

- Allied Geotechnical (SLBE)
- J&S Asphalt (SLBE)
- Loveless & Linton Consulting (SLBE)
- Two Rivers Strategies, Inc. (ELBE)
- YBS Construction Engineering (ELBE)
- Mcgrath Consulting (ELBE)
- Easy Flow, LLC (SLBE)
- Soclaris Contracting (SLBE)

Project Team

Project Team

Assembling a high-performing Design Build (D/B) team requires careful consideration and selection of individuals with the right blend of experience, technical expertise, and communication skills. A successful D/B team not only resolves design and construction challenges swiftly but also ensures effective collaboration with City staff, the public, and other stakeholders. This collaborative approach is essential for minimizing costs, accelerating project schedules, and achieving “Total Project Success.”

In this context, KTA Construction, Inc. and Nasland Engineering, Inc. are exemplary candidates for this contract. Both companies have established strong, reliable reputations through their extensive work with the City of San Diego. Their longstanding relationships with City Engineering and Inspection staff reflect a proven track record of successful project execution over the years.

Should KTA Construction and Nasland Engineering be selected, the City can expect unparalleled performance and quality. KTA’s commitment to utilizing local subconsultants and subcontractors further underscores their dedication to understanding and addressing the unique needs of San Diego projects. Local firms offer valuable insights into regional conditions and exhibit heightened responsiveness, which contributes significantly to project success.

In summary, KTA Construction and Nasland Engineering bring a combination of deep local knowledge, extensive experience, and a proven ability to deliver high-quality results. Their collaborative approach and local expertise position them as ideal partners for ensuring the successful completion of the project.



Staffing Plan

KTA has developed a management approach that integrates design and construction staff as a single team. This integration is the central component of our approach. KTA believes that through the design-build approach, there is greater ability to control and lower project costs as well as accelerate the overall project schedule. KTA's partnering approach with design and construction staff helps the City of San Diego achieve this benefit. KTA's management approach consists of working in partnership with City staff under similar project goals and interests. These goals and interests include achieving a completed project that operates to the satisfaction of City O&M staff, satisfies stakeholders/users of the completed project and meets the project schedule established by the City and supported by the Design-Build team. Integration of the design and construction teams is key to project efficiency.

The design staff ensures that all City of San Diego design goals, guidelines and performance standards are met. Construction team members will be involved in the design process providing input to make the design more efficient and constructible. They will also work along with the design team determining suitable construction materials and suggest modifications to make the design more compatible with the construction methods. Through their participation in the design, the construction team will know and understand the details of the design and can coordinate items such as early scheduling procurement of materials, equipment, labor, construction easements, providing appropriate shop drawings and submittals, and arrange construction staging and storage areas, thereby saving construction time and expense.

The design team will also be involved with the construction phase. The design team will know, on a day-to-day basis, the progress made by the construction team. This knowledge will allow the design team to assess any problems or changed conditions and develop solutions with minimal delay. Requests for information from the construction team will be provided and responded to in a timely manner.

KTA Superintendents (Kenny Anderson and Dave Payne) will oversee construction. They have extensive experience installing sewer, water, and storm drain pipelines. The company is very experienced with City projects and the task of assigning work to individuals within their area of expertise. Kenny and Dave continuously receive satisfactory and above satisfactory evaluation reports, as well as unsolicited letters of appreciation from project residents on City of San Diego projects. Assigned staff will cover all necessary disciplines during the design and construction phases including but not limited to civil, environmental, traffic control, and geotechnical.



Organization Chart



City of San Diego
Engineering and Capital Improvements

Owner/CEO
Mike Henderson
KTA Construction

DESIGN TEAM

DESIGN MANAGER
Larry Thornburgh, PE, PLS

PROJECT MANAGER
Jarrett Linn, PE

PROJECT ENGINEER
Paul Pitman, PE

SURVEY PROJECT MANAGER
John Winn, PLS

DESIGN SUB-CONSULTANTS

GEOTECHNICAL
Allied Geotechnical (SLBE)

CONSTRUCTION TEAM

PRESIDENT/GENERAL
SUPERINTENDENT
Kenny Anderson

VICE PRESIDENT/SENIOR PROJ MGR
Adam Ogden

FIELD SUPT/SAFETY OFFICER
Dave Payne

PROJECT MANAGER – QA/QC
Jessica Linn

CONSTRUCTION SUB-CONTRACTORS

COMMUNITY OUTREACH
Two Rivers Strategies, Inc. (ELBE)

TRAFFIC CONTROL
Hudson Safe-T-Lite

ASPHALT PAVING
J&S Asphalt (SLBE)

ENVIRONMENTAL
Loveless & Linton Consulting (SLBE)

CONCRETE FLATWORK
YBS Construction Engineering (ELBE)

STORM WATER COMPLIANCE
McGrath Consulting (ELBE)

Hazardous Waste
Soclaris Contracting (SLBE)

Qualifications of Key Personnel

Mike Henderson | Owner/CEO | KTA Construction

Mike has been involved in the engineering and construction business in Southern California for over 51 years and over 45 years with KTA. He has managed over 100 successful City of San Diego construction projects primarily involving replacement and installation of piping and appurtenances. He has built the KTA team to have a complete working knowledge of City standards, regulations and requirements for projects such as the Design Build project. The City is KTA's largest client.

Mr. Henderson is recognized as an expert in the field of construction defects and as a result produces successful projects because of excellent planning and execution. Additionally, Mr. Henderson's talents have been utilized as an expert for the City of San Diego on a Sewer/Water Group project, providing information to the City Attorney handling the case.

Kenny Anderson | President/General Superintendent | KTA Construction

Kenny has 45 years of experience with KTA in sewer, water, and storm drain construction as well as site grading, street and roadway construction, bridge construction, directional drilling, pipe lining, pipe bursting, sewer pump stations, pressure reducing stations, rock slope protection, dewatering, etc. During his 45 years of employment with KTA he has experienced nearly every discipline associated with infrastructure improvements working with both public and private entities.

Mr. Anderson will be responsible for all work performed on this project. He will lead the Design, Construction, and Quality Assurance/Quality Control (QA/QC) Teams throughout the project duration. It will be his responsibility to ensure that all contractual requirements are strictly adhered to, and a quality project is delivered to the City in a timely manner. Mr. Anderson will develop the project work plan and schedule that describes how the Project Team will complete the project on schedule, within the budget, and meet all City of San Diego requirements. He will be the primary point of contact for the City and will oversee daily coordination of the project work.

Qualifications of Key Personnel

Adam Ogden | Vice President/Senior Project Manager | KTA Construction

Adam has 20 years of experience in project management, and estimating on City of San Diego projects including sewer, water, storm drain, utility undergrounding, concrete street panel replacement, sidewalk removal and replacement, and concrete structures (ramps, inlets, RCBC). Adam will work closely with Kenny ensuring all aspects of construction, from design to completion, will be completed on time and on budget to the City's high standards. He will also be working directly with the CoSD CMFE team during construction to make sure the project is continuously progressing forward to achieve ultimate success.

Relevant City of San Diego Projects would include:

- Ted Williams Parkway Pedestrian Bridge – APWA award recipient
- Alta La Jolla Storm Drain - APWA award recipient
- Avenida De La Playa Storm Drain - APWA award recipient
- Water Group 920 - APWA award recipient

Dave Payne | Field Superintendent | KTA Construction

Dave has 28 years of experience in sewer, water, and storm drain construction. Sixteen years as a project foreman, twelve years as a superintendent. Dave has completed multiple City of San Diego sewer, water, and storm drain projects including trunk sewer up to 42" in size, sewer pump stations, pressure reducing stations, water treatment plants, and trunk water lines up to 54" in size.

Jessica Linn | Project Manager | KTA Construction

Jessica has 13 years of experience in the construction industry with seven years as a project manager. Jessica successfully completed the AGC Project Management Certification program. This was a 26-week course providing an all-encompassing overview of construction project management principles and best practices. Jessica, Adam, Dave, and Kenny all work closely together to schedule and coordinate multiple projects at the same time. Jessica is very detailed and is excellent at quality assurance in providing the correct subconsultants, and subcontractors for any given situation.

Relevant City of San Diego Projects would include:

- Pipeline Rehabilitation AS-1
- Rolando Improv 1
- Hotel Circle CI and AC Accelerated Replacement - APWA award recipient
- AC Water Group 1030

Qualifications of Key Personnel

Larry Thornburgh, PE, PLS | Design Manager | Nasland Engineering

Larry oversees the design of municipal projects including pipeline projects, stormwater, sanitary sewer, water main extensions as well as road improvements. His experience includes water and wastewater systems, utility design, traffic and transportation engineering, site design, and storm drainage design as well as the management and coordination of multi-faceted projects.

REPRESENTATIVE PROJECT EXPERIENCE

As-Needed Civil Engineering - City of San Diego

As Director of Engineering, Larry oversees all tasks orders for three as-needed civil engineering contracts dating back to 2017. Tasks include surveying, civil engineering for sewer and water design services, drainage and culvert designs, accessible compliance design, assessments and feasibility studies, geotechnical investigations, traffic engineering, technical reports, and public outreach with stakeholders including community groups and private landowners.

Spring Valley Outfall Sewer Rehabilitation

The scope of work included researching public records; design of sewer plans and profiles for five phases of the project including constructability review, access coordination with private landowner; preparation of right-of-way plans and easement documents, technical specifications; and cost estimates.

Allied Gardens Sewer and Water Group – San Diego, CA

The project includes the replacement of 13,800 LR of 6-16" of the water main and 9,600LR of 6-12" sewer and 61 curb ramps. The Water improvements eliminated 4 backup PRV stations in Allied Gardens and make Alvarado CYN & Fairmont the main feed and Camino Del Rio N W/O Mission Gorge and make Princess View & Miss Gorge as backup stations to the (355) zone.



NASLAND TEAM
MEMBER SINCE 1989

EDUCATION

B.S. Structural Engineering,
1989, University of
California, San Diego

REGISTRATIONS/ CERTIFICATIONS

Civil Engineer, 49795, CA,
1991 (Exp. 9/30/22)

Professional Land Surveyor,
7298, CA, 1996

AFFILIATIONS

ACEC of California (Past
President)
American Public Works
Association
American Society of Civil
Engineers

Jarrett Linn, PE | Project Manager | Nasland Engineering

Mr. Linn is a registered professional civil engineer and has provided design services for a variety of water and sewer, transportation, and traffic projects. In addition, he oversees the preparation of submittal packages for improvement plans, grading plans and building plans. Jarrett's relevant project experience includes:

Hillcrest Sewer and Water Group, City of San Diego

This project includes Water and Sewer Improvements in the Hillcrest Area for the City of San Diego. The scope of work consisted of water main improvements of approximately 1.5 miles of existing AC water pipes replaced with PVC pipe and sewer improvements of approximately 1.5 miles of replaced sewer mains.

Flinn Springs Sewer Design, County of San Diego

Design work performed by Jarrett for the project included upsizing the existing sewer to meet current and future capacity needs. The project consisted of the replacement of approximately 3,690 linear feet of existing 8-inch and 10-inch sewer pipeline with a new 15-inch PVC sewer line

Sewer and Water Group 765A, City of San Diego

Jarrett provided civil engineering design and community liaison services for the 30 private replumb plans for the City of San Diego. The work consisted of preparation of plans, preparing private sewer lateral agreements, and meeting with each homeowner to survey the proposed improvements.

Old Otay Mesa Road, City of San Diego

Mr. Linn provided civil engineering design services and construction administration for the water pipeline portion of the Old Otay Mesa Road Project in the City of San Diego. Design included water modeling, preparation of plans, details, and a complete design package for the installation of a 24" steel coated pipeline connecting two neighborhoods.



TECHNICAL PROPOSAL

NASLAND TEAM
MEMBER SINCE 2012

EDUCATION

B.S. Civil Engineering, 2012,
San Diego State University

REGISTRATIONS/ CERTIFICATIONS

Civil Engineer, 84231, CA,
2015

John Winn, PLS | Survey Project Manager | Nasland Engineering

John is a licensed land surveyor with more than 37 years of experience providing professional surveying services to both public and private sector clients. John supervises all surveying and mapping operations at Nasland. His role includes oversight of field surveys, construction staking, field crew supervision, the preparation and quality control of final maps, record of surveys, legal descriptions, ALTA surveys, and boundary surveys.

Maya Linda Road Boundary Survey – San Diego Housing Commission, San Diego, CA.

John prepared a boundary survey to establish the location of Interstate 15 freeway widening improvements being made by CALTRANS adjacent to commission property boundaries.

Town and Country ALTA Survey - San Diego Housing Commission, San Diego, CA.

John prepared an ALTA/NSPS survey for the Town and Country Apartments per the 2016 minimum standards. Vista Verde Apartment Complex ALTA Survey - San Diego Housing Commission, San Diego, CA. John prepared an ALTA survey associated with the Vista Verde Apartment Complex, San Diego.

Nimitz Right of Way Survey - San Diego Housing Commission, San Diego, CA.

John conducted Right of Way and Ownership research for a portion property adjacent to Nimitz Boulevard South of Famosa Boulevard.

Newton Street ALTA- San Diego Housing Commission, San Diego, CA.

John prepared a standard ALTA survey to include boundary and topographic information for a 2.2-acre commercial property.

Fulton Street Boundary Survey - San Diego Housing Commission, San Diego, CA.

John prepared a boundary survey to establish the location of a fence line encroachment.



NASLAND TEAM
MEMBER SINCE 1989

EDUCATION

University Centre Doncaster,
South Yorkshire,
England, Higher National
Diploma, Mineral Surveying,
1984

REGISTRATIONS/ CERTIFICATIONS

Civil Engineer, 84231, CA,
2015

Qualifications of Key Sub-Consultants and Sub-Contractors

TRAFFIC | Hudson Safe-T-Lite

Hudson Safe-T-Lite had its beginnings in San Diego, CA as Hudson Rents in a small warehouse on 2nd Street off Market in 1958. The company relocated to Mission Valley in 1960 and became Hudson Safe-T-Lite Rentals with a small house as an office and the garage as a shop. Since inception the company has been owned and operated by the same family, through three generations, maintaining long-term relationships with several customers since the first day of business. Hudson Safe T Lite prepares traffic plans, provide all required devices, and our technicians will route traffic safely through lane closures, detours, street closures, or freeway closures. When the job is complete, they will remove all traffic control quickly and safely so normal traffic can resume. Hudson Safe-T-Lite is a City of San Diego Certified Small Local Business Enterprise (SLBE).

GEOTECHNICAL | Allied Geotechnical (SLBE)

AGE is a small independent consulting engineering firm that has maintained an active geotechnical engineering practice in San Diego County over the past 39 years. AGE's practice over the past 25 years has focused on the design and construction of a wide variety of public works projects, including transportation infrastructure; water, wastewater and recycled water storage, treatment, and conveyance facilities; drainage and erosion control structures; airport facilities; public schools; storm water collection, treatment and conveyance facilities; central utility plants; and public park, athletic, and recreational facilities. Our firm's key personnel include individuals who have gained practical experience, ranging from 25 to more than 40 years, and possess special expertise in providing geotechnical engineering, geology and engineering geology, hydrogeologic, and geo-environmental consulting services.

ENVIRONMENTAL | Loveless & Linton Consulting (SLBE)

Loveless Linton, Inc. was established in 2012 and is Native American owned. Since their inception they have had the opportunity to service a variety of projects in the San Diego and Imperial counties. They help guide the project along an efficient path by handling the harder decisions for you, resulting in project stability, productivity, cultural sensitivity, regulatory compliance, time efficiency, and they do it all while keeping the project within the target budget. Loveless Linton is a City of San Diego Certified Small Local Business Enterprise (SLBE).

COMMUNITY OUTREACH | Two Rivers Strategies, Inc. (ELBE)

Two Rivers, Strategies, Inc (Two Rivers) will serve as the team's exclusive Community Liaison . Two Rivers has served as Community Liaison on a variety of City of San Diego Capital Improvement Projects in the past decade including design build Projects. Two Rivers will work cooperatively with and provide assistance to the City's PIO team and will adhere to the Whitebook requirements for Community Liaison to implement and carry out the public information and outreach program.

Hazardous Waste | Soclaris Contracting (SLBE)

Soclaris Contracting (Soclaris) will serve as the team's Hazardous Substance Remover. Soclaris is a licensed General Engineering Contractor with a Hazardous Substance Removal certificate. The company, which was formed in 2001, offers environmental, construction and marine services to the public and private sectors. Soclaris is committed in providing quality work at a

Qualifications of Key Sub-Consultants and Sub-Contractors

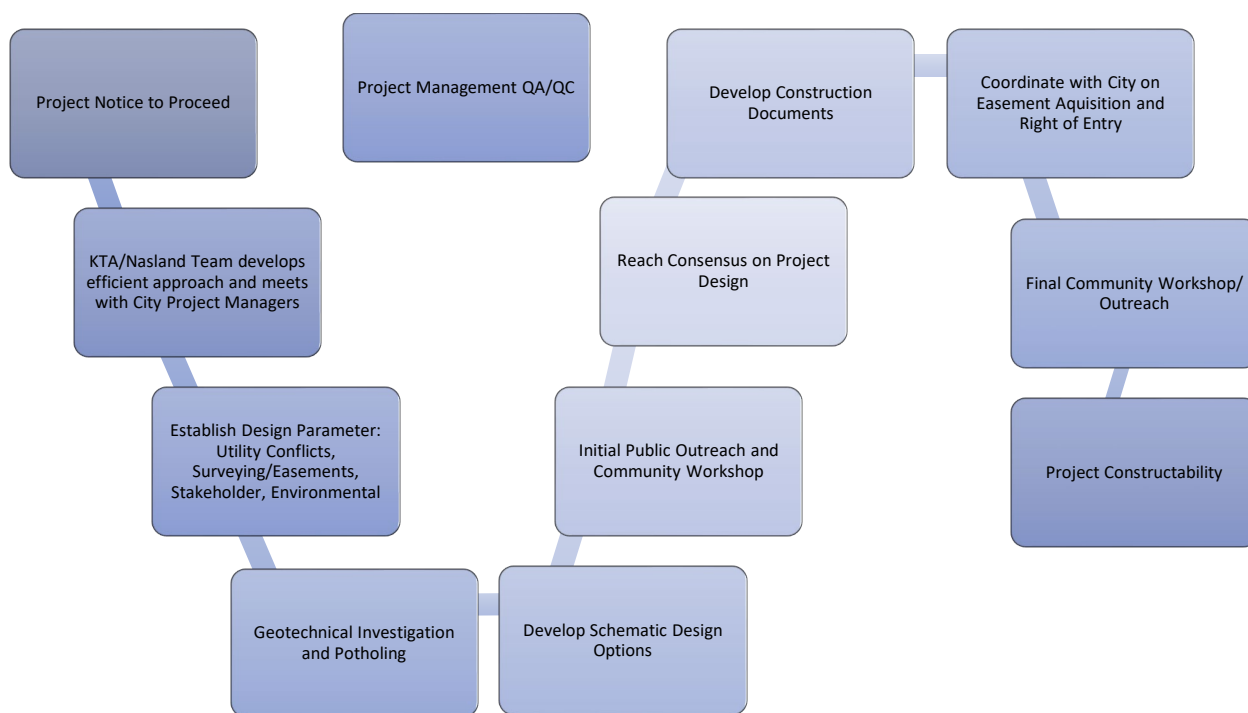
competitive price. Over the years, they have been involved in projects all over Southern California. Sonny Rosenal, President of the Soclaris Contracting, brings more than 20 years of experience to the company. Soclaris Contracting strives to stay atop all current regulations and all employees working in the field are 40 hour OSHA trained. When it comes to getting the job done right and on time, look no further...they're here to help. Their motto is "We got you covered in all directions".

4. Technical Approach and Design Concept

4.1 Design Approach & Method

Nasland Engineering and our interdisciplinary design team are qualified to complete the scope of services described in this Request for Proposal (RFP) in a productive and timely manner. The KTA/Nasland team is prepared to provide a depth of **local resources, experienced project management** and **design excellence** for this contract. Nasland is a local, civil engineering firm with more than 65 years of experience working with public agencies on sewer and water projects.

Our detailed approach to any project will depend on the specifics of the project. For the Roseville-Fleet Ridge Improv 1 Project our approach includes the following elements:



Project Initiation

Design is a problem-solving process, best approached in a methodical manner which allows careful consideration of alternative solutions early on. Critical design decisions will be discussed with the City and the reasons for such decisions will be documented. A properly conducted design procedure will avoid unnecessary re-work or re-hashing of old issues and streamlines the completion of the construction document phase of design.

After Notice to proceed, the KTA/Nasland team will meet with the City Project Manager to discuss the project issues and goals to resolve early in the project including any known community concerns, right-of-way limitations, or environmental constraints. In our experience

there is no substitute for up-front meetings between City project managers to provide a solid basis for our services.

Establish Design Parameters

Thorough research and data collection of the project area will be performed before the layout of any schematic design. Research will include a complete assessment of the utility record drawings, environmental constraints and assessments, additional permitting requirements, construction limitations, adjacent community uses and activities. An aerial survey will be performed along with a supplemental field topographic survey to be included with the City's provided boundary survey. Field investigations including geotechnical investigations and utility pot holing will be performed after schematic design. Nasland Engineering will pay particular attention to identifying and understanding the project constraints early in the design process.

Schematic Design

Prior to the start detailed design and after all constraints and design parameters are investigated, Nasland will prepare a schematic design of the water alignments which would meet the project objectives. Our Project Team will prepare design solutions to attain the most effective, creative, and achievable results for the project which would satisfy community concerns and meet regulatory obligations. Various assessment reports for utility separation, fire hydrant spacing, curb ramp type, etc. will be prepared to document the projects design parameters, showing compliance of all project aspects.



Public Outreach Meeting

Public Outreach

Initial public outreach will present the Schematic Design plans to the Community. The KTA/Nasland team along with Two Rivers will perform the public outreach using skills and techniques developed over many years of managing and directing highly visible projects. The outreach for this project will include informal meetings, community workshops, Planning Group presentations or public informational meetings.

Detailed Design

With concurrence of the community and approved Schematic Design from the varying departments of the City, the project moves to 60%, 100%. and final design stages.

Environmental Documentation

KTA/Nasland Team will review the Notice of Exemption for the project and determine if the design will maintain the categorical exemption criteria set forth in the CEQA State Guidelines.

Several segments of water mains fall within the MHPA land use adjacency area which will require biological studies (bird surveys) to determine impacts and mitigation strategies. Environmental Assessments based on the project scope may include biology, cultural, traffic, hazardous materials, water quality, or others and will be included in the environmental document which would permit the project. The document typically would be processed through the Development Services Department. Environmental Permitting would be concurrent with detailed design.

Development of Construction Documents

The final design plans would be prepared in conjunction with the Environmental Document and assure that all construction can be completed within the project footprint established in the documents. Final plans would be distributed to City-Wide Plancheck and the designs would meet all of the design criteria established. The design team committed to this project has recent experience providing plans and specifications to the City of San Diego, and is thoroughly familiar with the City's current policies, procedures and requirements, including the bid documents, Greenbook, Whitebook and special provision formats.

Design QA/QC

High quality Plans, Specifications and Cost Estimates are essential for a smooth project. Quality is stressed in every aspect of the operations at Nasland Engineering. Professional development is strongly encouraged. In-house training sessions are held weekly. Our technicians and professionals attend training courses and educational seminars to keep current in their field. Experts are brought in to lecture on specific topics of interest. Performance is continually evaluated to determine how we can improve.

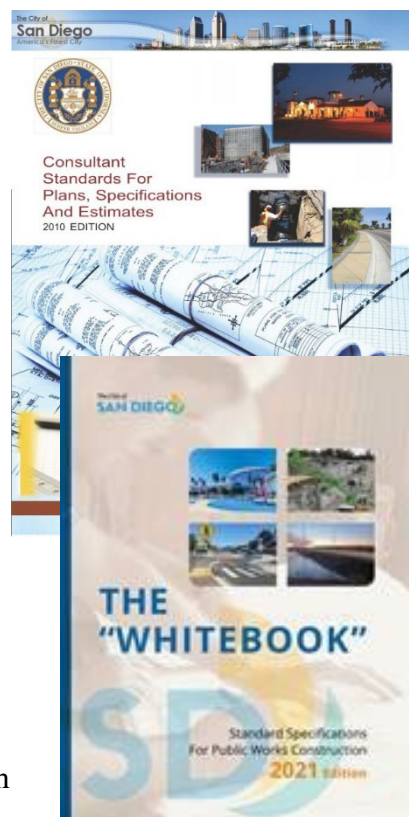
At the project level, Nasland has developed a six-step Quality Assurance Plan outlined below:

- All engineers working on the project will have a clear understanding of the City's goals and project constraints prior to commencing work.
- Nasland Engineering has a written Standard of Practice Manual that is implemented on every project.
- Nasland Engineers will have regular scheduled meetings to discuss constraints and key design elements.
- Key personnel are committed to the project from the beginning until construction is complete and record drawings are approved.
- Every submittal to go through a minimum 1-week QAQC period prior to submittal to the City.
- Before each formal submittal, all submittal documents shall go through an in-house peer review by a senior level engineer not involved in daily tasks. Each submittal will also go through a constructability review by KTA Construction.

Producing high quality design deliverables is essential to the success of the project. The KTA/Nasland team will be solely responsible for project quality assurance and quality control during design. This process begins when the project is awarded. The KTA team will submit a complete project quality control plan including the design quality plan at the project kickoff meeting with the City of San Diego. The QA/QC manager will verify project scope and ensure the proper standards are being used for this project. The team will develop the project design based on the appropriate standards which include;

- Consultant Standards for Plans, Specifications and Estimates
- Approved Materials List
- Water Design Guidelines, City of San Diego
- City of San Diego Standard Drawings
- Standard Specifications for Public Works “Greenbook”
- City of San Diego Standard Specifications “Whitebook”

The Team will use City provided checklists and incorporate them into the plan reviews for submittals at 60%, 100% and Final Design. Also included will be previous City comments with responses provided by the Design-Build team. An interdisciplinary review will be conducted for each submittal. The final submittal will include all documentation with fully agreed upon and resolved comment responses, checklists and design calculations.





Pressure Zones

The proposed water improvements spans between 3 pressure zones; Catalina (462), University Heights (390), and Point Loma (260). Improvements on Fenelon Street is within the Catalina pressure zone and unaffected by other zones. The remaining improvements are spread between the two University Heights and Point Loma pressure zones with the improvements on Dickens Street, Emerson Street and Hugo Street connecting the two zones with “normally closed” valves. The KTA/Nasland team understand

the importance of not crossing pressure zones and a maintaining the isolation of each zone.

Pipeline Separation

The proposed water main separation from non-potable utilities will be designed in accordance with California Code of Regulation, Title 22, Division 4, Chapter 16, Section 64572 over the entire proposed alignment. As built drawings, Splash Drawings and City Field Books will be used in conjunction with the field investigations to establish a proposed water and sewer main alignment that meets the separation requirements.

After conducting a field investigation and review of available records, the separation between the existing water and sewer mains within the project limits are exceeding 10’ or very close to the 10’ separation. For the mains that are close to a 10’ in separation, the water main can be shifted within the existing trench to meet or exceed the requirements. There are two streets that need more precise evaluation of the separation. Preliminary measurements of Emerson Street and Dickens Street show that the water main will need to shift 2’ to 3’ to meet the requirements. The shift appears to be possible with no other conflicting underground utilities. However, if no solution is available to meet the 10-foot separation requirement, then Nasland will work with the City to file a waiver to be approved by the Regional Water Board’s Division of Drinking Water. The waiver will likely require upgraded building materials

Fire Hydrants

Fire hydrants shall be spaced in accordance with the California Fire Code, the City’s Facility Design Guidelines, and the Hydraulic Modeling and Pipe Sizing Assessment Study. The water improvements are mostly within single family residential zoning with Inglow Street, Scott Street, and the southern portion of both Hugo Street and Emerson Street with multifamily/commercial zones. In order to meet the minimum spacing requirements, the existing 9 fire hydrants need to be reinstalled and 3 new fire hydrants will be required. The new fire hydrants will be placed at the intersection of Emerson and Locust, Plum and Dickens and midblock on Fenelon Street. The additional fire hydrants will ensure all portions of the roadway are within 225’ of a fire hydrant (450’ max spacing) within residential zones, and within 210’ of a fire hydrant (max 350’ spacing) for commercial/multifamily. Locations for new and relocated fire hydrants will be placed at street intersections or at the property line for mid-block fire hydrants. The KTA/Nasland team will work with each property owner to make them aware of the proposed locations of the new fire hydrants.

Phasing and Coordination with Adjacent Projects

KTA/Nasland will work with the City and their design consultants to coordinate with adjacent improvement projects that are either in design or under construction within the project limits. Based on the bridging documents, there are several utility group jobs, pavement resurfacing projects, and accelerated sewer rehab projects within the project area. The projects in design will need to be closely coordinated to create seamless transitions and minimize potential for relocating or reinstalling work that was recently improved. Projects that will complete construction will need to be coordinated to represent up-to-date existing conditions and minimize contractor change orders.

KTA will ensure that our Community Outreach subcontractor as well as our Public Relations team member (Jessica Linn) reach out to each of the adjacent project City and contractor members to coordinate traffic control throughout the project.

Access Law Improvements

Curb ramps and surface improvements within the crosswalks will be installed in accordance with the Access Law guidelines, the City's Curb Ramp Design Memo and Guidelines, and the projects Preliminary Engineering Assessment Report. The KTA/Nasland team will assess each curb return to construct a dual curb ramp to the maximum extent feasible according to the new ADA guidelines. A report will be prepared to document each curb return, the layout of a dual curb ramp, any challenges of installing dual curb ramps and migration if dual ramps is deemed not feasible. The report will review the available right of way, topographic challenges, stopping sight distance, obstructions limiting ramp placement and monuments or historic stamps that need to be preserved. If private improvements are in conflict with the installation of new curb ramps, the KTA/Nasland team will work closely with the property owners or utility purveyors to relocate the private improvement for the installation of the new curb ramp. If it is determined that dual curb ramps cannot be implemented, the KTA/Nasland team will work with the City on proposed alternatives and document all decisions in the final Curb ramp assessment report before moving forward with final design. A deviation from standard form will be prepared for all intersections where the dual curb ramps cannot be installed, or where obstructions do not permit the installation of a curb ramp. Existing striped crosswalks will be restriped with continental markings. Crosswalks near school zones will be continental markings striped yellow.

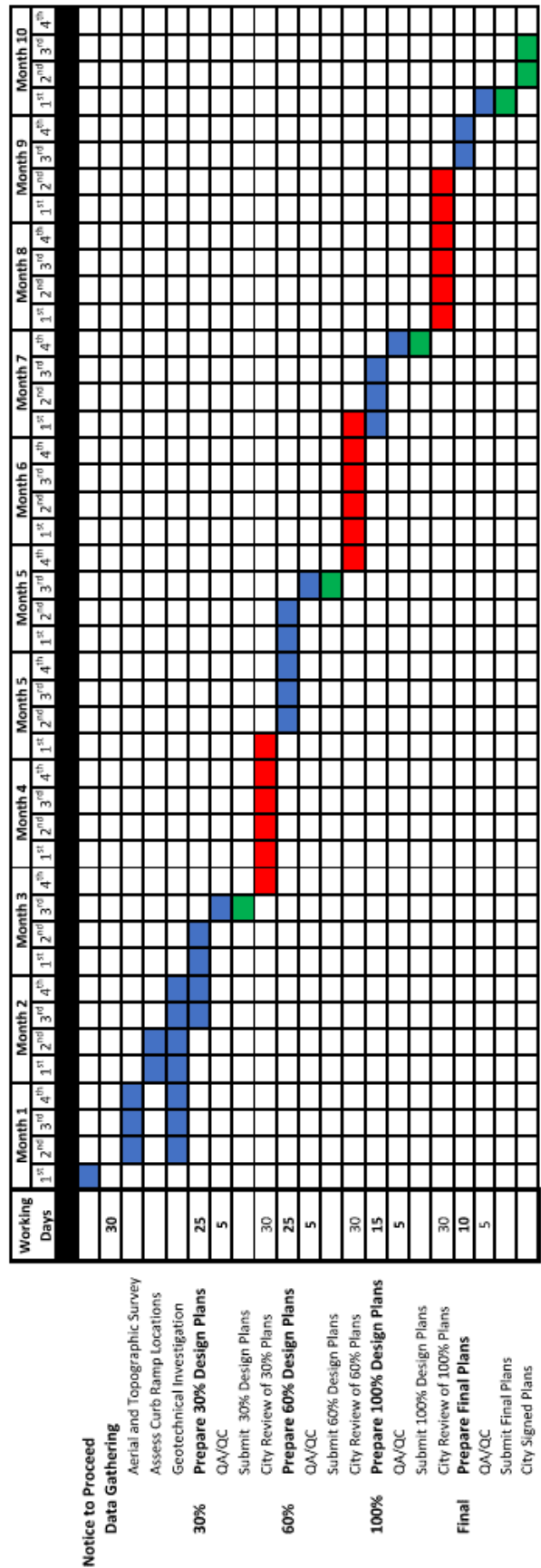


After conducting a field investigation and review of the preliminary Engineering Assessment Report the KTA/Nasland team anticipate replacing approximated 32 curb ramps and installing a combination of dual curb ramps totaling approximately 71 curb ramps (2 Type A, 69 Type C). The intersection of Rosecrans and Hugo Street will require modifications to the push buttons. Detailed designs are anticipated at the intersections of Emerson and Willow, Dickens and Willow, Plum and Fenelon, Plum and Garrison, and Rosecrans and Hugo Street. Final assessment and design may adjust the number of each improvement to be replaced.

Roseville Fleet Ridge Improv 1

DESIGN SCHEDULE

Nasland



4.1.5 Water highlining Plans and Sewer Bypass Plans

Water highlining Plans

KTA will develop and submit a Water Highline Plan for City approval. This plan is designed to ensure uninterrupted water service during the replacement of existing water mains.

Key features of the Water Highline Plan include:

- **Looped System Configuration:** Each highline system will be designed as a looped network, featuring multiple feeds. This configuration enhances reliability and ensures that water can be rerouted efficiently, minimizing the impact on the affected areas.
- **Pressure Regulators:** The water improvements border two pressure zones. It may be necessary for temporary highline feeds to be connected to another pressure zone. If needed, pressure regulators will be placed on the temporary highline system to mitigate the increase in pressure.
- **Inline Valves:** The plan will incorporate inline valves strategically placed throughout the system. These valves are crucial for isolating sections of the highline as needed, which allows for maintenance or adjustments without disrupting water service to the community.
- **Minimal Disruption:** The design aims to maintain continuous water service with minimal interruptions, ensuring that the community experiences the least possible inconvenience during the construction process.

By implementing these features, KTA is committed to providing a highline system that effectively supports the City's water distribution needs while facilitating a smooth transition during the infrastructure upgrades.

Sewer Bypass Plans

The work scope includes the rehabilitation of 10,688 linear feet of 8-inch sewer main, manholes, and laterals. To facilitate this, by-pass pumping will be necessary during working hours only, with all flows to be re-established at the end of each workday.

By-Pass Pumping Plan:

1. **By-Passing Setup:**
 - **Insertion of Sewer Plugs:** Sewer plugs with by-pass assemblies will be inserted into the upstream and downstream pipes at the required manholes.
 - **By-Pass Assembly:** Three-inch trash pumps, each equipped with a dedicated fuel tank, will be used to transfer flows to a new or existing downstream manhole.
2. **Operational Procedures:**
 - **Hose Placement:** By-pass hoses will be laid along the street sides and marked with traffic cones where necessary to ensure safety and visibility.
 - **Continuous Monitoring:** Pumps and hoses will be monitored continuously to ensure proper operation throughout the diversion process.
 - **Redundant System:** for flows requiring a 4-Inch or Larger pump, A stand-alone redundant by-pass system will be installed, including both suction and discharge piping.



Each pump, including backup units, will have its own complete suction and discharge setup.

- **Backup Operation:** The backup by-pass system will be operated for at least 25% of the total diversion time on a weekly basis. The backup system will be fully installed, tested, operational, and ready for immediate use.
- **Hydraulic Testing:** The systems will undergo hydraulic testing with clean water prior to the diversion of wastewater flow.

3. Spill Containment and Response:

- **Containment Measures:** Pumps will be equipped with plastic trays to contain potential spills, such as oil or sewer.
- **Failure Protocol:** In the event of a pump failure, sewer flow will be reverted to the existing gravity system. Existing facilities will not be removed in a manner that prevents the immediate removal of plugs and the rechanneling of flow to pre-existing conditions.
- **Spill Response:** Should a spill occur, onsite equipment will be used to contain and recover the spill. Storm drain inlets will be blocked, and additional equipment and personnel will be deployed as necessary. The City of San Diego will be notified immediately in case of a spill.

Summary

KTA Construction, Inc. is committed to executing the by-pass pumping with meticulous planning and real-time management to minimize disruptions and ensure project success. The detailed by-pass system and contingency plans are designed to handle the complexities of sewer main rehabilitation while maintaining operational integrity and public safety.

4.1.6 Phasing of Design and Construction Work

Preliminary investigations, such as potholing and CCTV inspections, play a crucial role in refining the design and accelerating the transition from final design to construction. KTA Construction, Inc. will collaborate closely with Nasland Engineering to ensure these investigations are thoroughly integrated into the design phase.

Key Actions:

1. **Preliminary Investigations:**
 - **Potholing:** To accurately determine the location and depth of existing utilities, reducing the risk of unforeseen conflicts during construction.
 - **CCTV Inspections:** To assess the condition of existing sewer lines and identify potential issues, which will inform more accurate design and planning.
2. **Improved Design Efficiency:**
 - **Design Accuracy:** The data obtained from potholing and CCTV will enhance design accuracy, allowing for more precise planning and minimizing surprises during construction.
 - **Reduced Delays:** By addressing potential issues early, these investigations help reduce the time between final design and the start of construction, leading to a smoother project timeline.
3. **Coordination and Phasing:**



- **Phasing Schedule:** KTA, in collaboration with Nasland Engineering, will develop a comprehensive phasing schedule. This schedule will be designed to accommodate all project stakeholders and ensure minimal disruption.
- **Access Management:** The phasing plan will include provisions for maintaining access to all adjacent properties, ensuring that the project progresses efficiently while respecting the needs of the community.

By incorporating these preliminary investigations into the design process and developing a well-coordinated phasing schedule, KTA Construction, Inc. and Nasland Engineering aim to enhance project outcomes, streamline construction, and minimize impacts on the surrounding area.

4.1.7 Permits

To ensure smooth project execution and compliance with local regulations, the following traffic control and permit requirements will be implemented:

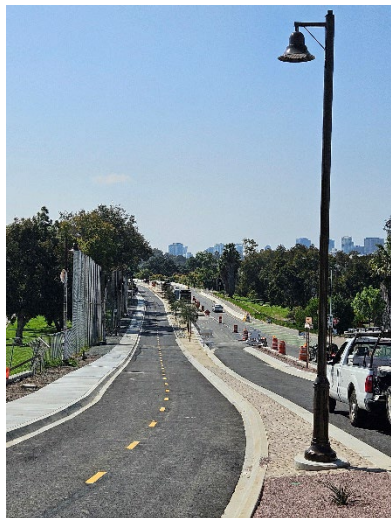
1. **Traffic Control for Potholing:**
 - **Duration:** 20 working days
 - **Details:** Traffic control measures will be in place to manage and direct traffic around potholing activities, ensuring safety and minimal disruption to local traffic flow.
2. **Traffic Control for Geotechnical Investigation:**
 - **Duration:** 20 working days
 - **Details:** Similar to potholing, traffic control will be established to facilitate safe and efficient geotechnical investigations, which are essential for understanding subsurface conditions.
3. **Traffic Control for Water and Sewer Main Construction:**
 - **Duration:** 20 working days
 - **Details:** During the construction of water and sewer mains, traffic control will be implemented to ensure safe passage for vehicles and pedestrians while minimizing disruptions to the community.
4. **Noise Permit:**
 - **Duration:** 5 working days
 - **Details:** A noise permit will be secured to comply with local regulations concerning permissible noise levels and hours of operation. This permit will ensure that construction activities adhere to noise control guidelines and mitigate any potential disturbances.
5. **NOE (Notice of Exemption):**
 - **Duration:** 20 working days
 - **Details:** A Notice of Exemption (NOE) will be required for compliance with California Environmental Quality Act (CEQA) due to impacts. Project scope will be provided to EPS at 30% design to determine if a CEQA exemption is applicable.
6. **Ground Water Discharge Permit:**
 - **Duration:** 30 working days



- **Details:** A ground water discharge permit may be required. The permit will be acquired prior to the start of work in the affected area to ensure proper groundwater discharge is being implemented.

These measures will be carefully planned and executed to ensure compliance with regulations, maintain safety, and minimize impact on the community.

4.1.8 Traffic Control Approach



The traffic control plans for the project will be meticulously developed in collaboration with Hudson Safe-T-Lite to ensure safe and efficient traffic flow throughout the construction period. The plans will be crafted to uphold the highest safety standards and minimize disruptions to the community. Key aspects of the Traffic Control Plan include development, coordination, safety, minimizing disruptions, traffic control considerations, and traffic flow management.

For the Development of traffic control, we will be partnering with Hudson Safe-T-Lite. Traffic control plans will be created in coordination with Hudson Safe-T-Lite to leverage their expertise in managing traffic flow safely. The plans will be submitted for approval to the City of San Diego and maintained according to their requirements, ensuring all safety protocols are met.

Safety is always KTA's number one objective. Traffic control measures will prioritize the safety of construction workers within the work zone. The plans will be designed to minimize disruptions to residents, businesses, schools, and commuters, ensuring that daily activities and operations are not unduly affected.

Other considerations to consider are vehicular traffic, pedestrians, bicycles, property access, and public transit. The plans will address measures to ensure smooth vehicle flow and minimize delays, safe pathways and crossings for pedestrians, designated lanes or routes for cyclists, ensure continuous access to properties adjacent to the construction zone, management of parking to avoid inconvenience, and accommodation for public transit routes and schedules. Efforts will be made to keep two lanes open—one in each direction—where possible. If the space does not permit two lanes of traffic, flagging operations will be implemented to manage traffic safely or a detour will be provided. Any road closures or detours will be minimized to reduce the impact on traffic flow.

The traffic control plans will be designed with a focus on safety and efficiency, ensuring that both construction activities and community needs are effectively managed throughout the project.

4.1.9 Storm Water Pollution Control Best Management Practices

Erosion Control work shall include the implementation and maintenance of the Project WPCP and implementation and maintenance of storm water pollution prevention Best Management

Practices (BMPs) required to prevent and control discharges of dust, soil, sediment, debris, and other pollutants from the project site onto adjacent areas and/or into the storm water conveyance system from construction activities shown on the Plans and as specified, in compliance with all applicable laws and regulations of authorities having jurisdiction. All water pollution control work shall be in conformance with the requirements in the Project's "Storm Water Pollution Prevention Plan," "California Stormwater Quality Association Construction Stormwater Best Management Practices Handbook," and the "Storm Water Pollution Prevention Plan (SWPPP)" specifically prepared for the project and approved by the City of San Diego.

KTA will designate a Qualified SWPPP Practitioner (QSP) who shall implement the following to prevent and control the discharge of non-storm water pollutants to the storm water conveyance system and receiving waters to the Maximum Extent Practicable (MEP):



1. Non-storm water and storm water visual observations and inspection requirements, including storm event and daily site BMP inspections. QSP shall submit the inspection reports through SMARTS once every 3 rain events.
2. Sampling and analysis, including Particle Size Analysis for Project Risk Justification.
3. Elimination of unauthorized discharges.
4. BMP inspection, maintenance, and repair.
5. Implementation of the Rain Event Action Plan (REAP) no later than 24 hours prior to a likely precipitation event.
6. Monitoring Requirements for Non-Visible Pollutants.
7. Visual Observation Exemptions.
8. Preparation of the annual compliance evaluation.
9. Recommending necessary modifications to the SWPPP to control and prevent the discharge of non-storm water pollutants to the storm water conveyance system and receiving waters to the Maximum Extent Practicable (MEP).

With the project's location within paved roadways, the primary BMP will include street sweeping on a regular basis to remove construction- related dirt and debris during construction. Street sweeping shall be performed a minimum of two times per week in active construction areas and as frequently as necessary to maintain a clean and neat appearance throughout the project corridors. Street Sweeping shall also be performed immediately prior to rainfall events predicted to produce runoff.

4.1.11 Subsurface Investigation and Geotechnical Work

All underground utilities will be plotted from record drawings and site investigations. Those utilities noted to conflict or cross the water and sewer main alignment will be marked by Underground Service Alert (USA) utility and potholed to ascertain horizontal and vertical location prior to completed final design.

In preparation of the field exploration, suitable locations for exploratory borings shall be selected and cleared with Underground Service Alert (USA) utility mark-out, traffic control and soil boring permits shall be obtained. Field exploration will include six (6) borings to a target depth of 10 feet below ground surface. Upon completion of the field exploration, the borings will be backfill with bentonite chips and repaired with hot-mix asphalt.

Geotechnical laboratory testing and engineering analyses shall be performed to develop design recommendations including:

- General surface and subsurface conditions
- Allowable soil bearing capacity and earth pressures
- Modulus of subgrade reaction
- Soil settlement/heaving characteristics
- Soil Corrosivity characteristics.
- Groundwater conditions
- Construction related considerations including trench backfill operations, temporary sloped excavations and shoring design considerations.

4.1.12 Quality Assurance and Quality Control Plan

High quality plans and specifications are essential for a smooth project. Quality is stressed in every aspect of the operations at Nasland Engineering. Professional development is strongly encouraged. In-house training sessions are held weekly. Our technicians and professionals attend training courses and educational seminars to keep current in their field. Experts are brought in to lecture on specific topics of interest. Performance is continually evaluated to determine how we can improve.

For the Roseville-Fleet Ridge Improvement Project, Nasland will prepare and implement a specific Quality Assurance/Quality Control Plan including:

- The project specific quality control plan will follow Nasland Engineering's Standard of Practice Manual that is implemented on every project and the City of San Diego's standards including:
 - Training -- Staff assigned to the project are trained in design and drafting standards including clear understanding of the City's goals and project constraints prior to commencing work.
 - Thorough documentation of existing utilities including as-built review, potholing, utility mark-out and survey documentation
 - Conflict check
 - Design Control
 - Document Control and Record Retention
 - Peer review policy and implementation
- Nasland's Project Manager, Jarrett Linn, will remain with the project until construction is complete and record drawings are approved. During design and construction, Mr. Linn will maintain close communications with our design staff, any subconsultants, and the City.
- Subconsultant submittals to Nasland Engineering will be scheduled 7 working days before the submittal to the City to allow for a complete quality control and coordination review before incorporation into the project documents and submittal to the City.
- Plans and specifications for every submittal will receive an independent in-house peer review by Larry Thornburgh, Director of Engineering. Review will include consistency

between plans and specifications and an interdisciplinary review of all plans and specifications.

- During construction, Nasland will review all material submittals for conformation with the plans, specifications, and standards.

5. Construction Plan

5.1.1 Identify Challenges and Issues

In reviewing the project site and the bridging documents provided by the City, we have identified several significant challenges that will require targeted solutions to ensure successful project execution. Here's a detailed overview of these challenges and our strategies for addressing them:



Identified Challenges and Strategies:

Several streets within the project limits have low-hanging overhead utilities that may impede construction activities. We will deploy a modified crew equipped with specialized tools and equipment designed for navigating around these utilities safely. This approach will ensure that construction activities are performed efficiently while avoiding any interference with existing overhead infrastructure.

Due to the narrow streets, there are sewer and water mains located within 10 horizontal feet of each other in certain areas, which must be managed in accordance with public health codes. We have identified these critical areas and will proceed with the installation of the new water main while adhering strictly to all relevant regulations and separation requirements. This will involve careful planning and execution to maintain compliance and prevent contamination or other issues.

The Roseville-Fleetridge Community is a heavily traveled community in and around the Community, not only with Locals, but also with tourists all year long. Effective communication with businesses, property owners, and community stakeholders is essential. We will implement a comprehensive public outreach plan that includes

informing businesses, property owners, and other stakeholders about upcoming construction activities and any potential impacts, providing ongoing updates to keep the community informed about project progress and any changes to the construction schedule, and establishing channels for businesses, residents and stakeholders to voice concerns and receive timely responses.

Parking is a significant issue in the Roseville-Fleet Ridge Community, and construction activities could exacerbate this problem, specifically the adjacent blocks around Rosecrans St. We will minimize the staging area and limit the impact on public parking. This includes selecting staging locations that have the least impact on community parking and providing advance notice to the community about any parking restrictions or changes. Additionally, the staging area will move along with our project work to not impact a certain area more than required.

Fortunately, we are very familiar with the Community. Having recently completed AC Water Group 1030 (on Shelter Island), we are familiar with all stake holders and understand how to

navigate and stay ahead of potential challenges. Based on our experience we believe night work will be required for the work on and near Rosecrans St. This will minimize traffic inconvenience, business interruptions, and minimize inconveniences to Naval Base Point Loma.

Another Challenge includes providing temporary highline to the residents getting their infrastructure upgraded. The area requires a significant number of pressure zones on the water system. While the water main may be in one pressure zone, the temporary highline feeds may need to be connected to a different pressure zone. If needed, pressure regulators on the temporary highline system will be utilized to address this issue.

Finally, there are existing dead-end streets where the water system is not looped, and the adjacent water mains are being replaced. Fortunately, we have identified these locations and the water main will be temporarily connected back up to ensure the adjacent properties are not impacted.

Addressing these challenges proactively through careful planning and strategic execution will help us manage potential issues effectively and ensure the successful completion of the project. Our approach emphasizes safety, regulatory compliance, community engagement, and efficient use of resources, drawing from our experience with similar projects to navigate anticipated conditions and constraints.

5.1.2 Construction Approach and Methods



Our construction approach is based on our extensive experience with the installation of PVC Pipe for the City of San Diego. This project consists of installing approximately 5,965 LF of 8" and 12" PVC waterline and 10,688 LF of sewer main rehabilitation in the Roseville-Fleet Ridge Community. To ensure a seamless transition from design to construction and to address all project requirements effectively, we have established a complete approach including presenting a detailed project schedule, outlining key milestones and timelines. Additionally, we will provide all required material submittals, prepare and gain approval for traffic control plans to ensure safe and efficient management of traffic during construction, develop and submit a Water Pollution Control Plan to address potential impacts and ensure compliance with environmental regulations, schedule and conduct initial community group meetings well in advance of construction activities to inform residents, property owners, and stakeholders about the project. This will give us the opportunity to discuss potential impacts

and gather feedback to address any concerns.

After providing the important documents, obtaining approvals, and conversing with the community, we will conduct potholing to accurately locate existing utilities and avoid conflicts during construction, and perform CCTV inspections of existing sewer mains to assess their condition. This will allow us to identify any sags or offsets in the pipe and determine the need for point repairs.

This proactive approach ensures that all necessary preparations are completed prior to the start of construction. By addressing material approvals, scheduling, traffic control, environmental controls, community outreach, and utility investigations during the design phase, we aim to facilitate a smooth and efficient construction process, minimizing disruptions and ensuring project success.

Once we have 100% approved design plans construction will be able to start immediately. In addition to the water main, water services, fire hydrants, air valves, blow offs and main line valves will be replaced or added as required by the Design Manual as to provide a new water system that complies with current design standards. All new appurtenances will be installed per current City standards. Additionally, rehabilitation of the sewer system will begin simultaneously with the water main construction. Because these are independent operations, we can commence together and decrease the overall impact on the community by minimizing the workdays required.



Open trenches will be backfilled, and temporary cold mix asphalt paving will be placed at the end of each workday. Street sweeping will be performed daily to keep streets clean. Permanent base paving will be placed on a weekly basis to reduce the amount of time temporary cold mix trench patch remains in place and provide a cleaner, better travel surface for the residents, as well as limit the possibility of storm water pollution.

5.1.3 Plan for Operation of Facility During Construction

The existing water mains will be cut and plugged at connection points to take them out of service during replacement. Cut and plugs and construction phasing has been checked to ensure an adequate water supply for each neighborhood that the cut and plugged mains serve. Prior to cut & plugging the existing water main, temporary highline will be placed, tested, and water services will be transferred to ensure no interruption to water during replacement of the new water main.

5.1.4 Plan for Phasing of Construction Activities

The water main replacement identified in the RFP is in three isolated locations. The water main replacement will be phased in a manner to minimize disruption in the community and maintaining fire code and testing limits on new water main installation. We have identified the need to have 5 separate phases of water main installation for this project.

5.1.5 General Plan for Functional Testing and Start Up

KTA will coordinate with the City test lab for compaction and materials testing as required for contract compliance. New water mains shall be disinfected and tested in accordance with AWWA C651 and State Health Department requirements. The City will perform a chlorine residual test prior to flushing and a bacteriological test after flushing. No main shall be placed in service until the result of the bacteriological tests are announced as satisfactory. Shutdowns for reconnection of the new water mains to the existing water mains will be scheduled with Water Operations. After passing required pressure tests, disinfection and bacterial testing, new mains will be placed back into services by reconnecting existing mains as soon as shutdowns can be scheduled with water operations.



5.1.6 Proposed Safety Program

A site specific health and safety plan will be developed for this project. The health and safety plan will take into account not only worker safety but safety of the public, residents, pedestrians, bicycle riders, and automobile traffic. The site specific plan will include public notification of construction operations to alert residents that construction materials and equipment will be in the area. Notifying underground service alert for utility mark out is another important safety step that is taken before construction begins.

Once crews are onsite the plan will include provisions for proper traffic control and warning signs, trench safety and shoring, coordination with schools, education of workers of site-specific hazards such as underground and overhead utilities, traffic, and providing safe pedestrian paths around the work areas.

Our onsite safety supervisor has the authority to stop and make corrections to any operation that he deems unsafe. All of our workers are trained in job site safety and recognizing safe and unsafe situations. All of our workers are encouraged to speak up if they see something unsafe. Our safety program is built around the idea that a safe jobsite is an efficient job site. The current WCRB for KTA is a 0.66.



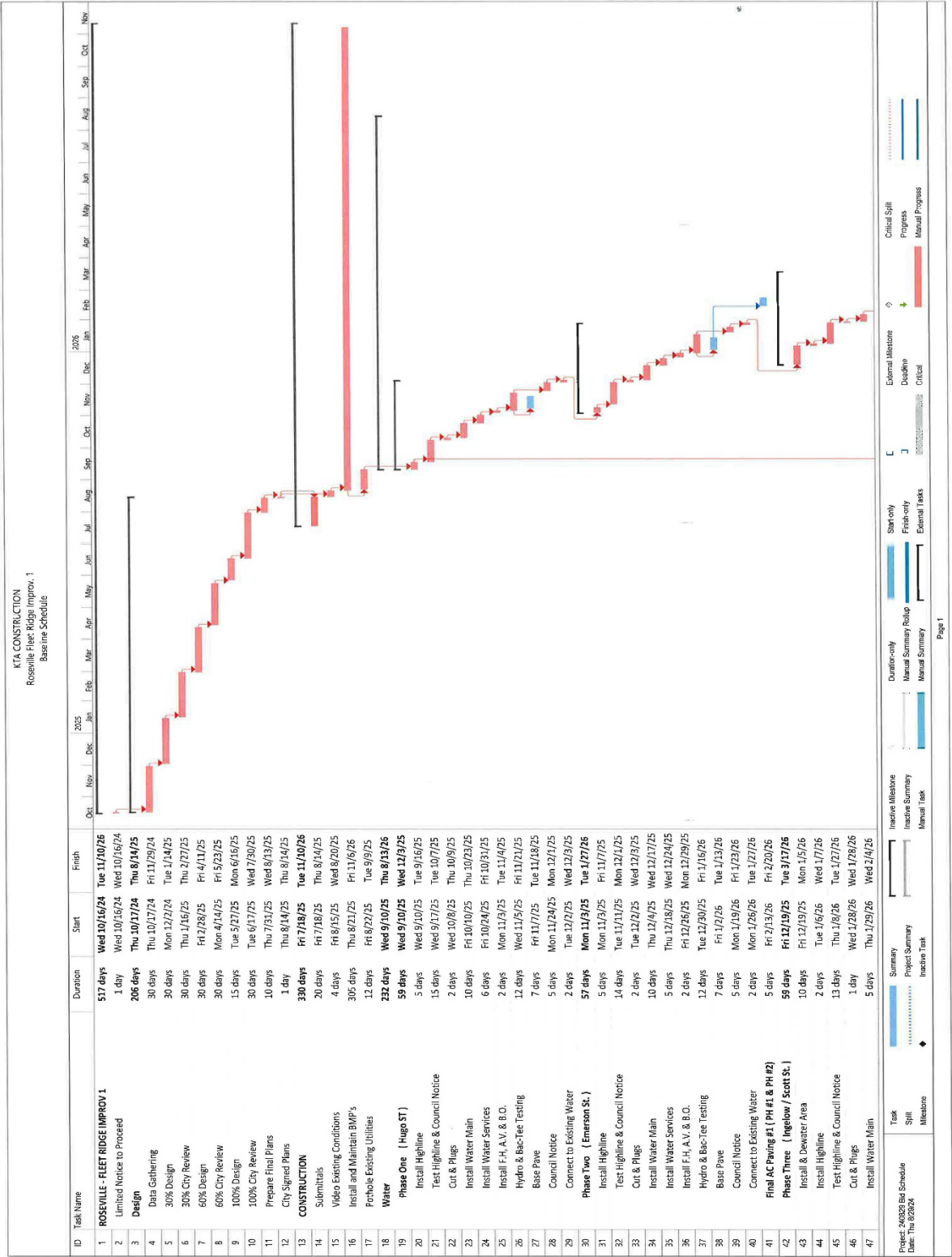
5.1.7 Proposed Emergency Response Plan

Medical emergencies will be handled in accordance with the Site-Specific Health & Safety Emergency Medical Plan. The Emergency Medical Plan provides documentation regarding emergency services including the closest hospital, fire and police services.

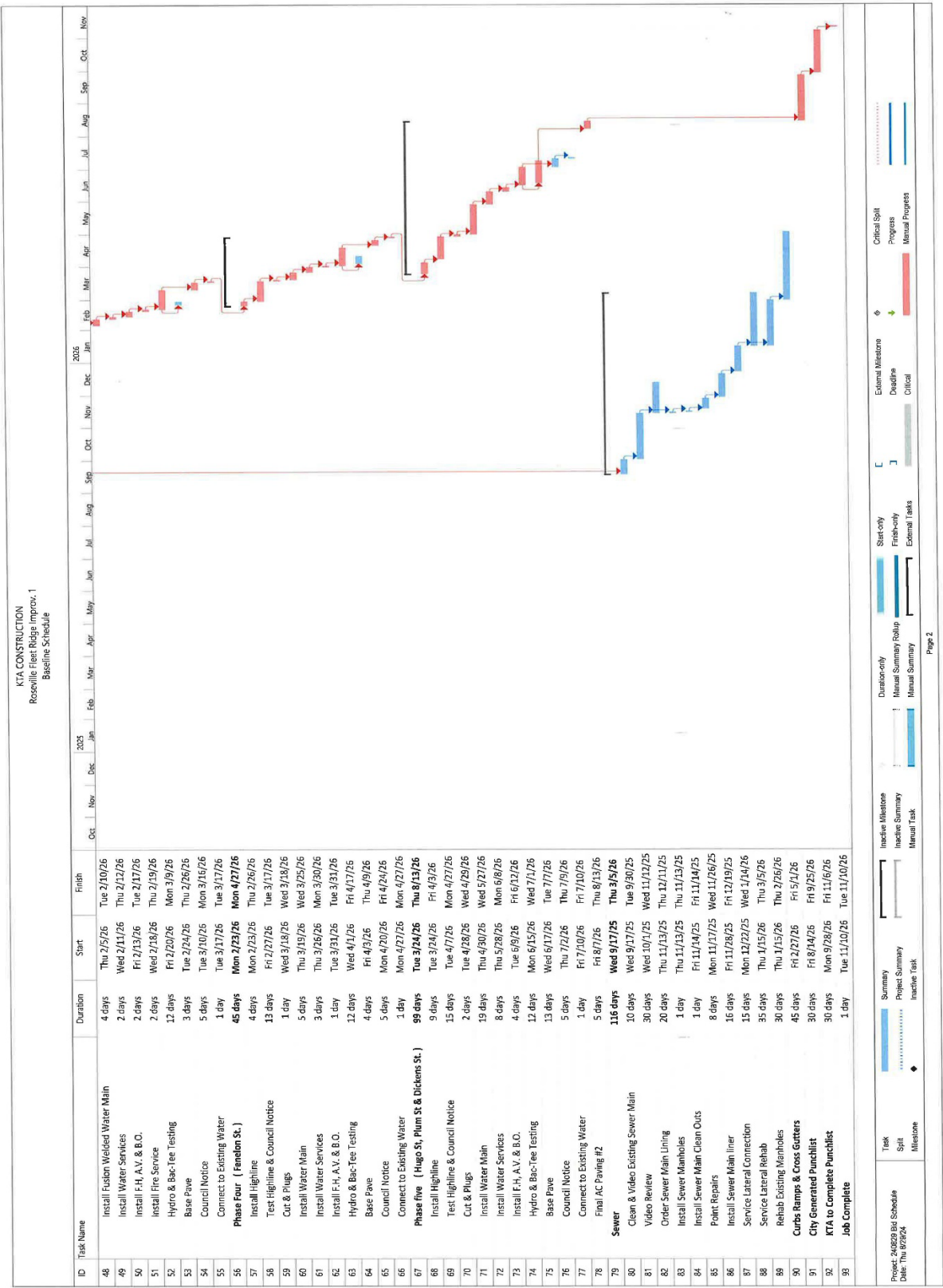
A site-specific Emergency Response Plan will be developed for this project. At a minimum the plan will include the following:

- In the case of a broken waterline, the job site supervisors will call the Water Utilities Emergency Number and inform them of the break so that repairs can be made. Action will also be taken to protect property from any water damage.
- Any emergency related to a broken gas line or downed power line requires a call to 911 and SDG&E. Job site supervisors are all trained to deal with these types of emergencies and will have a phone list with all necessary phone numbers.
- Key personnel phone numbers for 24-hour access will be provided to the City in case of an after-hours emergency.
- In case of a sewage spill, KTA will call the Sewage Spill Hotline number and the list of City representatives provided to us at the pre-construction meeting. Emergency numbers for KTA's primary and secondary contacts will be provided to the City. These people will be available at all times to respond immediately to any sewer spill event. We will take immediate action to contain the spill and protect downstream inlets to storm drains or water bodies.
- Emergency pumping and cleanup equipment and supplies will be available 24 hours a day, seven days a week while the work is in progress.

5.1.8 Proposed Construction Schedule



5.1.8 Proposed Construction Schedule



5.1.9 Traffic Control Management

Shop Drawings will be required for the entire project. KTA will work with the Traffic Control Engineer to develop traffic plans that are safe, in compliance with City requirements and allow the work to be done in an efficient manner. Special attention will be directed to streets that impact schools, recreation centers, and businesses.

These drawings will be prepared by our traffic control vendor Hudson Safe-T-Lite. In all areas of the project, we will keep driveway closures to a minimum and always provide advance notice to residents if their driveway needs to be closed. Trench plates are used to allow access if necessary. Safe pedestrian routes through the work area and street crossing will be maintained at all times. All travel lanes will be open to traffic during non-working hours. Properly installed traffic control to limit traffic delays will minimize inconvenience to the traveling public. These roads also contain bus stops. We regularly work with the MTS to relocate or provide special instructions and traffic control to maintain bus service at all times. Keeping these streets well swept, clean and trenches paved smooth will be high priority.



5.1.10 Community Impact/Outreach

The KTA/Two Rivers team will provide effective public information and respond to public concerns by utilizing the services of Two Rivers as the exclusive Community Liaison. Two Rivers is managing Community Liaison services for multiple City of San Diego pipeline replacement projects.

As a member of the KTA/Two Rivers team, Two Rivers will build relations between the Design-Builder and the community by implementing the WHITEBOOK public information and outreach program requirements.

Two Rivers will work cooperatively with and provide assistance to the City's Public Information Officers through a variety of methods. Also, Two Rivers will creatively integrate the need of the community into the design of the project by gathering valuable information from the community at the community planning group presentations during the design phase. We will follow up with presentations during the construction phase.

Within 10 working days of Notice to Proceed, Two Rivers will prepare a complete Community Relations Plan. The Community Relations Plan will include a listing of major stakeholders along the alignment which are expected to be impacted by the construction and proposed mitigation measures to lessen construction impacts. The plan will also specifically identify the lines of communication with the KTA/Two Rivers team.

A. Community Outreach and Public Relations Program

Two Rivers will serve as the exclusive Community Liaison for this project. Two Rivers has served as the exclusive Community Liaison for several projects including: Sewer and AC Water Group 1032, Clairemont Mesa West Improv 1, Sewer & AC Water 812, La Media Improvement 1, University City Improvement 1, Paving 2302 and more than a dozen other projects for the city. Two Rivers' work is distinguished by putting boots on the ground following the NTP in order to be proactive in messaging and establishing trusted relationships.

Two Rivers will adhere to the Whitebook requirements for Community Liaison, to implement and carry out the public information and outreach program.

Two Rivers' outreach effort will begin with the development of a Community Relations Plan for the City to review within 30 days of the Notice to Proceed. The plan will identify communication flow between the City, Design-Builder and the Community Liaison. Key stakeholders, key messages, and methods of outreach will be described in detail.

Roseville-Fleet Ridge impacts the Point Loma neighborhood in City Council District 2. We will present to the **Point Loma Association** and the **Midway Pacific Highway Planning Group** on the project design prior to the start of construction.

Two Rivers will provide effective information through fact sheets, map boards and other project-oriented materials for these community presentations. In addition, Two Rivers will proactively collect email addresses at every public interaction in order to build an email list of stakeholders. This email collection effort will be augmented by a link to sign up for project updates on the City's Capital Improvement Projects home webpage. Two Rivers will provide project updates by email via the City's Constant Contact email account. The City uses Constant Contact because it is the only email service that can provide audio reading of the transcript for the blind. In addition, the City's PIO has granted Two Rivers permission to submit project updates to the PIO for posting on the City's Nextdoor social media account.

Two Rivers will also work with the City Council Community Representatives for District 2 to utilize their social media channels to provide accurate, important project schedule information.

As the Community Liaison, Two Rivers will field questions by phone or email from the public and respond within one business day. All public calls and emails will be logged and entered on a spreadsheet that the project team will receive every two weeks including a detailed report of Community Liaison activities.

Two Rivers will also provide effective outreach to schools that are either within 500 feet of a designated work area, or where traffic flow to/from a school might be impeded by construction.

We have identified the following schools to be contacted: Dana Middle School.

B. Construction Mitigation Plan on Local Businesses and Residents

Our Community Liaison will meet face-to-face with the manager of each business to explain the project and garner their email and phone contact information. Having their contact information in hand will be valuable when it comes time to inform the businesses about water shutoff, traffic rerouting and/or night work. Steps will be taken to minimize water outages to these businesses. Any necessary outages will be scheduled to provide the least possible disturbance or inconvenience to the businesses and their customers.

Two Rivers' experience shows that early face-to-face introductions and trading of contact information goes a long way to providing trusted communication with business owners or business center managers. This will allow us to learn their concerns. The information they provide will help the project team develop a work schedule that will allow for the construction to be completed on time and on budget and will have minimum impact on businesses.

- There are several small businesses located in various strip malls in the project area, including corridors along Rosecrans.
- For home-based businesses, they will receive the outreach outlined in section 9.1

For residents, please refer to section 9.4 where mitigation plan for residents is addressed

C. Coordination with property Owners for Work Within Easements

The RFP states there will be a need to secure the proper "Work on Private Property" agreements. Two Rivers has extensive experience in securing these agreements via face-to-face interaction with resident-owners and via US Postal Service for non-resident owners, their addresses will be researched through the County Recorder's property tax records.

D. Staging Area and Project Cleanup

KTA's plan for equipment and material staging during construction includes securing a vacant lot in the project area to be used for storing large equipment and temporary storage of materials for use on the project. Some equipment will be parked along the project on side streets where it is safe to do so. Any equipment parked alongside the project will be moved as the work progresses. Staging areas will be kept clean and orderly. Trash will be kept in proper containers and hauled off on a regular basis. Equipment parked on the streets will be marked with traffic control devices and proper BMP's with drip pans will be used.

The project work areas will be swept at the completion of each shift. Any dirt or debris that is spilled in active traffic lanes will be cleaned up immediately. There are no moratoriums associated with this project, however this is a long duration project. Job site cleanliness and paving trenches to provide a good safe roadway will be paramount to project success.

E. Residence and Visitors

Two Rivers will assist the KTA team in keeping the community stakeholders, including residents and visitors, informed regarding the progress and impact of the project. Two Rivers will communicate with members of the community and integrate the information into the Community Relations Plan.

Additionally, Two Rivers will communicate with MTS regarding impacts to bus lines. It is KTA's practice on all our projects to relocate bus stops, if necessary, so that bus riders will always have access to buses.

Outreach materials to the community will include door hanger notices no later than five days before the start of each phase of construction to properties within 300 feet of the construction zone. Two Rivers will also notify water customers of a scheduled shutoff no later than 72 hours in advance via door hanger notices.

Update: VSC visited the project area to document impacted key stakeholders:

- Residents
- City of San Diego
- Mayor Todd Gloria
- City Councilmember Jennifer Campbell
- San Diego Unified School District
- Metropolitan Transit System
- San Diego Fire-Rescue Department
- David Wells Field
- Point Loma Association
- Midway Pacific Highway Planning Group

Area Schools

- Dana Middle School
1775 Chatsworth Blvd
Traditional school calendar

Community Groups

Point Loma Association
Midway Pacific Highway Planning group

Public Transportation

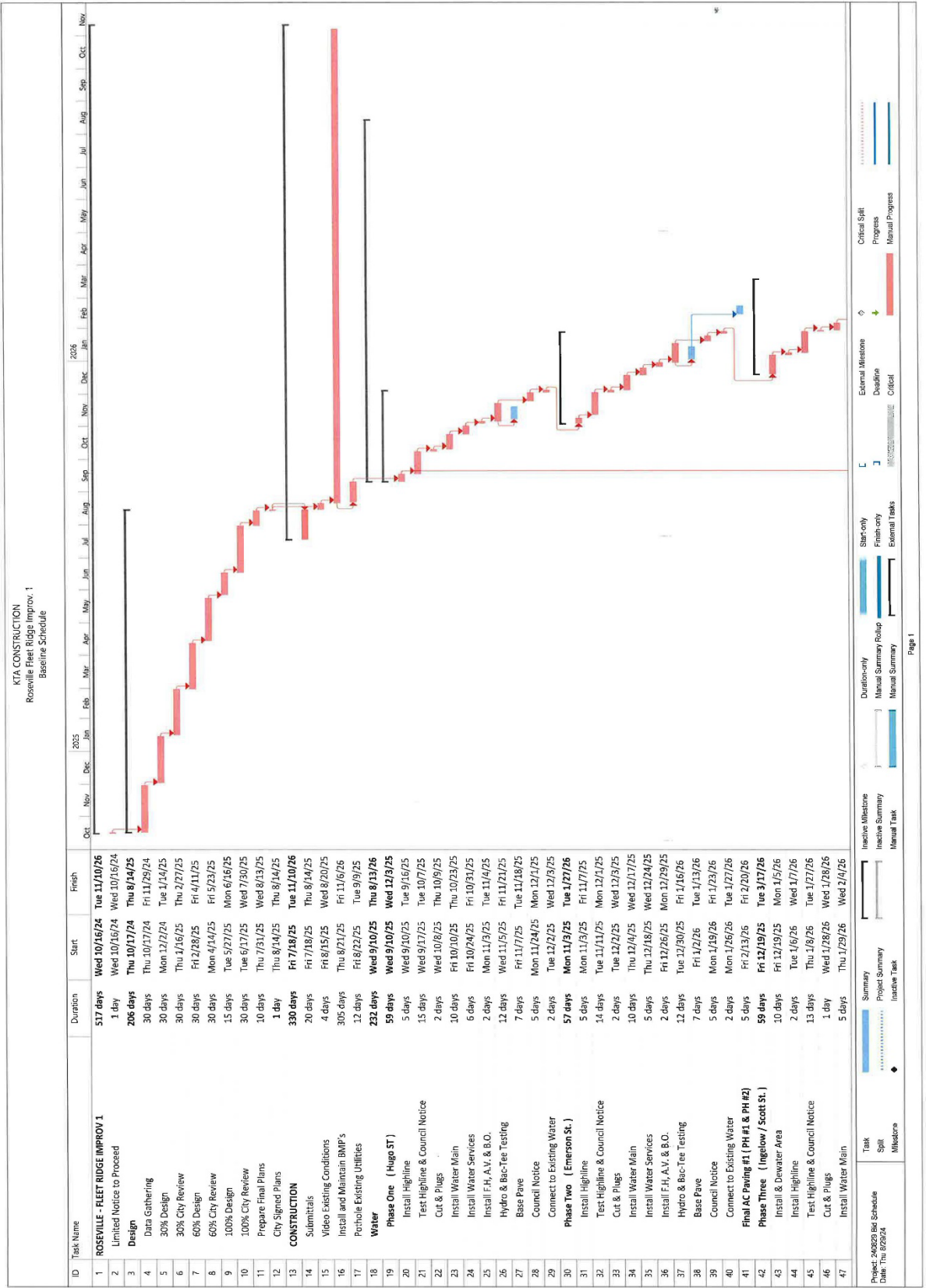
- MTS operates Route 28 in the project area
 - There are stops on Rosecrans, Garrison and Carlton

Public Safety

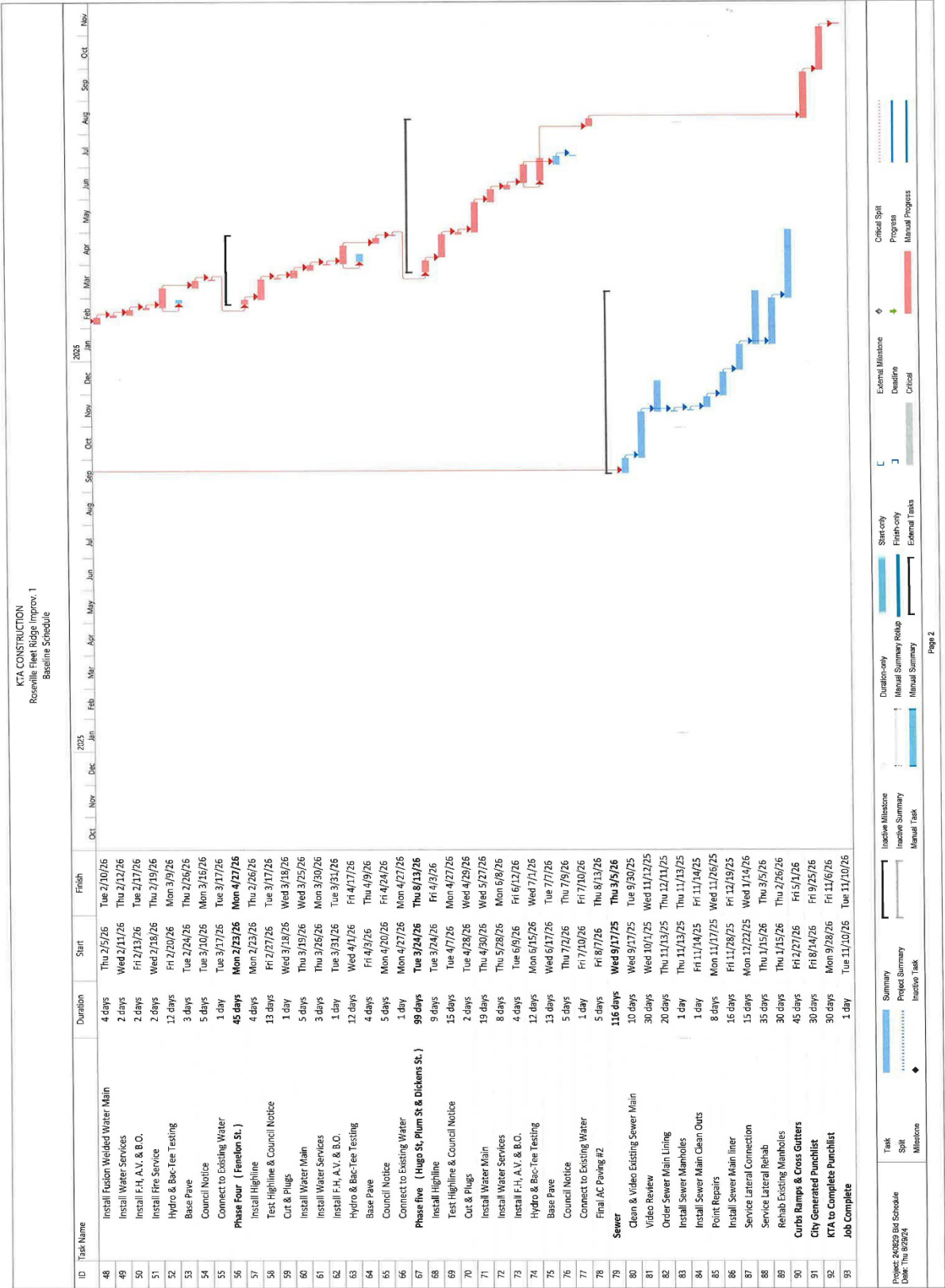
- This project area is covered by San Diego Fire-Rescue Station 22
 - We spoke with Chief Gaboury, Operations Battalion Chief for the City's Fire and Rescue Department. He requested we provide street closure or detour information so he can forward to the captains at Station 22 - there are multiple shifts at the station and he can email each Captain directly.

- We also corresponded with Nick Price, the Operations Manager of City of San Diego's private ambulance provider, so their operations can also be aware of work in the area.

5.1.11 Critical Path Schedule



5.1.11 Critical Path Schedule



TECHNICAL PROPOSAL

5.1.12 Describe Cost Savings Measures

As outlined in KTA's schedule, we intend to accelerate the project. If approved by the City, KTA and our subcontractors will coordinate to expedite completion, which will help reduce costs for the City. Given that the project spans multiple independent areas, we can deploy multiple crews to work simultaneously with minimal additional disruption.

Additionally, KTA prides itself on partnering closely with the City in all aspects of the project, including handling unforeseen issues. Our goal is to minimize surprises, but if any do arise, we are committed to working collaboratively with the City to resolve them. This partnership ultimately helps save both KTA and the City significant time and money.

6. EOCP Documentation

Meeting/Exceeding SLBE/ELBE/DVBE Goals

The mandatory minimum subcontractor participation percentages for this RFP are as follows:

SERVICE	SLBE	ELBE	SUBCONTRACTING REQUIREMENT
Design and Construction Services	8.5%	13.8%	22.3%

We have selected the following firms to assist our team:

DESIGN SERVICES

- Allied Geotechnical (SLBE)

CONSTRUCTION SERVICES

- Two Rivers Strategies, Inc. (ELBE)
- Hudson Safe-T-Lite (SLBE)
- Loveless & Linton Consulting (SLBE)
- McGrath Consulting (ELBE)
- J&S Asphalt (SLBE)
- Easy Flow, LLC (SLBE)
- Soclaris Contracting (SLBE)
- YBS Construction Engineering (SLBE)



Outreach Efforts

The KTA and Nasland Team will exceed our SLBE/ELBE/DVBE goals for this project. As shown in our subcontractor list, we have committed to a minimum of **25.4%** participation for SLBE/ELBE subcontractors. Additionally, if the alternate work is also awarded the SLBE/ELBE participation percentage will increase even more.



**EQUAL OPPORTUNITY CONTRACTING (EOC)**

1200 Third Avenue, Suite 200 • San Diego, CA 92101
Phone: (619) 236-6000 • Fax: (619) 236-5904

WORK FORCE REPORT

The objective of the *Equal Employment Opportunity Outreach Program*, San Diego Municipal Code Sections 22.3501 through 22.3517, is to ensure that contractors doing business with the City, or receiving funds from the City, do not engage in unlawful discriminatory employment practices prohibited by State and Federal law. Such employment practices include, but are not limited to unlawful discrimination in the following: employment, promotion or upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rate of pay or other forms of compensation, and selection for training, including apprenticeship. Contractors are required to provide a completed *Work Force Report (WFR)*.

NO OTHER FORMS WILL BE ACCEPTED
CONTRACTOR IDENTIFICATION

Type of Contractor: ☒ Construction ☐ Vendor/Supplier ☐ Financial Institution ☐ Lessee/Lessor
☐ Consultant ☐ Grant Recipient ☐ Insurance Company ☐ Other

Name of Company: KTA Construction Inc

ADA/DBA: _____

Address (Corporate Headquarters, where applicable): 821 Tavern Rd.

City: Alpine County: San Diego State: CA Zip: 91901

Telephone Number: 619.562.9464 Fax Number: 619.562.1685

Name of Company CEO: Paul (Mike) Henderson

Address(es), phone and fax number(s) of company facilities located in San Diego County (if different from above):

Address: Same

City: _____ County: _____ State: _____ Zip: _____

Telephone Number: _____ Fax Number: _____ Email: Mike@ktaconstruction.com

Type of Business: General Contractor Type of License: A

The Company has appointed: Mike Henderson

As its Equal Employment Opportunity Officer (EEOO). The EEOO has been given authority to establish, disseminate and enforce equal employment and affirmative action policies of this company. The EEOO may be contacted at:

Address: Same

Telephone Number: _____ Fax Number: _____ Email: _____

☒ One San Diego County (or Most Local County) Work Force - Mandatory

☐ Branch Work Force *

☐ Managing Office Work Force

Check the box above that applies to this WFR.

*Submit a separate Work Force Report for all participating branches. Combine WFRs if more than one branch per county.

I, the undersigned representative of KTA Construction, Inc.

(Firm Name)

San Diego, CA hereby certify that information provided

(County)

(State)

herein is true and correct. This document was executed on this 29th day of August, 2024

(Authorized Signature)

(Print Authorized Signature Name)

WORK FORCE REPORT – Page 2

NAME OF FIRM: KTA Construction Inc

DATE: 08/29/2024

OFFICE(S) or BRANCH(ES): Alpine

COUNTY: San Diego

INSTRUCTIONS: For each occupational category, indicate number of males and females in every ethnic group. Total columns in row provided. Sum of all totals should be equal to your total work force. Include all those employed by your company on either a full or part-time basis. The following groups are to be included in ethnic categories listed in columns below:

- | | |
|--------------------------------------|---|
| (1) Black or African-American | (5) Native Hawaiian or Pacific Islander |
| (2) Hispanic or Latino | (6) White |
| (3) Asian | (7) Other race/ethnicity; not falling into other groups |
| (4) American Indian or Alaska Native | |

Definitions of the race and ethnicity categories can be found on Page 4

ADMINISTRATION OCCUPATIONAL CATEGORY	(1) Black or African American		(2) Hispanic or Latino		(3) Asian		(4) American Indian/ Nat. Alaskan		(5) Pacific Islander		(6) White		(7) Other Race/ Ethnicity	
	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)
Management & Financial	1										2			
Professional														
A&E, Science, Computer														
Technical														
Sales											1	1		
Administrative Support												7		
Services														
Crafts											2			
Operative Workers														
Transportation			1								3			
Laborers*														

*Construction laborers and other field employees are not to be included on this page

Totals Each Column	1		1								8	8		
--------------------	---	--	---	--	--	--	--	--	--	--	---	---	--	--

Grand Total All Employees	18
---------------------------	----

Indicate by Gender and Ethnicity the Number of Above Employees Who Are Disabled:

Disabled														
----------	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Non-Profit Organizations Only:

Board of Directors														
Volunteers														
Artists														

WORK FORCE REPORT – Page 3

NAME OF FIRM: KTA Construction Inc

DATE: 08/29/2024

OFFICE(S) or BRANCH(ES): Alpine

COUNTY: San Diego

INSTRUCTIONS: For each occupational category, indicate number of males and females in every ethnic group. Total columns in row provided. Sum of all totals should be equal to your total work force. Include all those employed by your company on either a full or part-time basis. The following groups are to be included in ethnic categories listed in columns below:

- | | |
|--------------------------------------|---|
| (1) Black or African-American | (5) Native Hawaiian or Pacific Islander |
| (2) Hispanic or Latino | (6) White |
| (3) Asian | (7) Other race/ethnicity; not falling into other groups |
| (4) American Indian or Alaska Native | |

Definitions of the race and ethnicity categories can be found on Page 4

TRADE OCCUPATIONAL CATEGORY	(1) Black or African American		(2) Hispanic or Latino		(3) Asian		(4) American Indian/ Nat. Alaskan		(5) Pacific Islander		(6) White		(7) Other Race/ Ethnicity	
	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)
Brick, Block or Stone Masons														
Carpenters														
Carpet, Floor & Tile Installers Finishers														
Cement Masons, Concrete Finishers														
Construction Laborers	1		8								8			
Drywall Installers, Ceiling Tile Inst														
Electricians														
Elevator Installers														
First-Line Supervisors/Managers			5								3			
Glaziers														
Helpers; Construction Trade														
Millwrights														
Misc. Const. Equipment Operators			4								6			
Painters, Const. & Maintenance														
Pipelayers, Plumbers, Pipe & Steam Fitters			4								3			
Plasterers & Stucco Masons														
Roofers														
Security Guards & Surveillance Officers														
Sheet Metal Workers														
Structural Metal Fabricators & Fitters														
Welding, Soldering & Brazing Workers														
Workers, Extractive Crafts, Miners														

Totals Each Column	1		21								20			
--------------------	---	--	----	--	--	--	--	--	--	--	----	--	--	--

Grand Total All Employees

42

Indicate By Gender and Ethnicity the Number of Above Employees Who Are Disabled:

Disabled														
----------	--	--	--	--	--	--	--	--	--	--	--	--	--	--

7. Reference Checks

Project Name – Pipeline Rehabilitation AS-1

Project Contact – Roberto Vejar-Parra, 619-495-9936, rvejarparra@sandiego.gov

Project Description – The project included rehabilitation of 31,483 LF of 8-Inch sewer main with trenchless technology. Additionally, we replaced/installed new 9 each manholes, 27 each end of line cleanouts, performed 74 each point repairs, and CIPP lined 727 each laterals, which all received new cleanouts. This project was in the City Heights Community of San Diego.

Project Name – Rolando Improv 1

Project Contact – Neda Shahrara, 619-665-7447, nshahrara@sandiego.gov

Project Description – The project included replacement of 6,557 LF of 8-Inch and 12-Inch water main including water services, fire hydrants, and other appurtenances. This project was in the Rolando Community of San Diego.

Project Name – Mountain View Accelerated

Project Contact – Nabil Batta, 619-990-5772, nbatta@sandiego.gov

Project Description – The project included replacement of 1,902 LF of 12-Inch water main including water services, fire hydrants, and other appurtenances. Additionally, 597 LF of sewer main, with manholes and sewer laterals was replaced as well. This project was in the Mountain View Community of San Diego.

Project Name – Sewer and AC Water Group 794

Project Contact – Alex Sleiman, 619-944-1941, asleiman@sandiego.gov

Project Description – The project included replacement of 3,762 LF of 8-Inch water main including water services, fire hydrants, and other appurtenances. Additionally, 12,683 LF of sewer main, with manholes and sewer laterals was replaced. This project also had approximately 2,025 LF of sewer main rehabilitated as well. This project was in the Grant Hill Community of San Diego.



TECHNICAL PROPOSAL

Roseville Fleet Ridge Improv 1

RFP K-24-2320-DB1-3

August 29, 2024

Prepared by:



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Appendix -

Identification of Proposers

GENERAL CONTRACTOR

Legal name of company	KTA Construction, Inc.
Legal form of entity	California Corporation
Year of establishment of entity	1979
Parent company	KTA does not have a parent company
Address of main office	821 Tavern Road, Alpine, CA 91901
Address satellite office	N/A
Contact information	Mike Henderson, Owner/CEO, KTA Construction 821 Tavern Road, Alpine, CA 91901 (619) 562-9464 Mike@KTAConstruction.com
# of employees in SD County	61 Employees
City of SD Business License	License #B1995007391 Exp. July 31, 2025
State Contractor’s License No.	State of CA – Class A GC License #398284 Exp. January 31, 2025

DESIGNER

Legal name of company	Nasland Engineering
Legal form of entity	California Corporation
Year of establishment of entity	1959
Parent company	Nasland does not have a parent company
Address of main office	4740 Ruffner Street, San Diego, CA 92111
Address satellite office	N/A
Contact information	Steven D. Nasland, Principal, Nasland 4740 Ruffner Street, San Diego, CA 92111 (858) 292-7770 Steve@nasland.com
# of employees in SD County	40 Employees
City of SD Business License	License # B1974002146 Exp. June 30, 2025
Professional A/E License No.	State of CA – Civil Engineer #39799 Exp. December 31, 2025

Addenda to this RFP

The KTA Construction and Nasland Engineering Team is in receipt of Addendum 1, dated July 26, 2024, Addendum 2, dated August 1, 2024, and Addendum 3, dated August 13th, 2024 for the Request for Proposal for Roseville-Fleet Ridge project (K-24-2320-DB1-3).



Nasland Project – City of San Diego Florida Drive Emergency Storm Drain

1. Proposer Exceptions to this RFP

The KTA Construction and Nasland Engineering Team has reviewed the RFP and does not take any exceptions.



KTA Project – City of San Diego Otay Valley Sewer Manhole Rehabilitation (Phase 1 & 2)

2. Summary of Proposal

Introduction



KTA Construction, Inc. (KTA) is a locally owned and operated general engineering construction company that specializes in sewer, water, and storm drain pipeline projects. Our construction expertise includes pipeline projects of all sizes and complexities and all related structures: manholes, inlets, reinforced concrete box culverts, junction structures, dissipators, headwalls, pressure reducing stations, pump stations, and wet wells.

KTA has successfully completed multiple pipeline projects in the San Diego area since 1980, receiving APWA awards on nine City of San Diego projects for “Outstanding Civil Engineering Projects”. Additionally, KTA has been awarded two Associated General Contractors (AGC) “Build San Diego Awards” for City of San Diego projects (Alta La Jolla Storm Drainage Repair) and (Avenida De La Playa Storm Drain Project).

KTA has organized an exceptionally qualified design-build team with Nasland Engineering (Nasland). Nasland, like KTA, has a long history of working in the City of San Diego on sewer, water, and storm drain projects. Nasland recently completed work with the City on the design and construction of the Old Otay Mesa Road Improvements, which includes a 24” steel water line, and was an extremely successful project that garnered an APWA “Honor Award of the Year” award. Additional similar work includes the City of San Diego Florida Drive Emergency Storm Drain project, which also received an “Honor Award of the Year” from APWA. The KTA and Nasland team members each have a long successful record of accomplishments for designing and constructing sewer, water, and storm drain projects for the City. The KTA and Nasland team are both local firms with knowledge of the San Diego area, having previously held a Multiple Award Construction Contract (MACC) with the City of San Diego. Both firms are also greatly familiar with the local project environment, having worked with the residents, merchants, and other stakeholders on a regular basis.

KTA will be the general contractor responsible for management of the entire project with Nasland providing project design, surveys, project plans, plan revisions, shop drawing submittals, QA/QC, and tech support. The KTA and Nasland team are familiar with and fully capable of conducting design, surveys, biological and environmental compliance, geotechnical, SWPPP, community outreach and field investigations. All are licensed in their specific disciplines and all field implementations will be carried out by qualified personnel.

Team Leadership

Kenny Anderson will lead the design build team. Mr. Anderson, the President and General Superintendent for KTA Construction, Inc., has over 45 years of experience in the construction of underground pipelines in the San Diego area and has managed the successful completion of over 100 sewer, water, and storm drain projects for the City of San Diego. It will be his



responsibility to ensure that all contractual requirements are strictly adhered to and that quality projects are delivered to the City in a timely and cost-efficient manner. Mr. Anderson will be the primary point of contact for the City and will oversee daily coordination.

Larry Thornburgh, PE, PLS of Nasland Engineering will be the Design Manager, responsible for all project design work. Mr. Thornburgh has over 35 years of experience in the planning, design, and construction of water systems, wastewater collection, transmission, treatment systems and storm water projects.

Jarrett Linn, PE, will be the Project Manager and will be responsible for all project coordination, management, and construction oversight. He has served as a Project Manager on over 50 projects for the City of San Diego and has cultivated a close relationship with KTA. He will remain on the project from inception to close-out.

Quality Control Measures

Nasland will manage and prepare documents for all design related activities including final design and as-built drawings, utilizing proven design processes, following City standard practices and using a proven QA/QC plan. KTA will work with Nasland to coordinate field related activities involving excavation, shoring, CCTV, drilling, connections, BMPs, potholing, materials and related phasing of project activities.

Construction will be well planned and implemented for quality control. Any conflicts will be addressed ahead of time with proposed resolutions. Project plans will assure high quality construction on schedule and within budget. KTA's Construction Plan is based on providing a safe, well managed project. KTA will partner with City staff to assure complete coordination well in advance of construction for high-lining, cut, plugs, and reconnects. KTA construction efforts are directed at keeping a low profile in the community while the necessary and beneficial improvement work is being completed.

The KTA team has been successful on all previous City of San Diego projects and is very familiar with the City standards, procedures, and requirements.

SLBE/ELBE/DVBE Outreach

KTA is continuously committed to our equal employment opportunity plan and affirmative action policy. We will exceed the percentage of participation requirement for this project by qualified SLBE/ELBE/DVBE participation. The KTA/Nasland team is pleased to include the following sub-consultants/sub-contractors on our team:

- Allied Geotechnical (SLBE)
- J&S Asphalt (SLBE)
- Loveless & Linton Consulting (SLBE)
- Two Rivers Strategies, Inc. (ELBE)
- YBS Construction Engineering (ELBE)
- Mcgrath Consulting (ELBE)
- Easy Flow, LLC (SLBE)
- Soclaris Contracting (SLBE)

Project Team

Project Team

Assembling a high-performing Design Build (D/B) team requires careful consideration and selection of individuals with the right blend of experience, technical expertise, and communication skills. A successful D/B team not only resolves design and construction challenges swiftly but also ensures effective collaboration with City staff, the public, and other stakeholders. This collaborative approach is essential for minimizing costs, accelerating project schedules, and achieving “Total Project Success.”

In this context, KTA Construction, Inc. and Nasland Engineering, Inc. are exemplary candidates for this contract. Both companies have established strong, reliable reputations through their extensive work with the City of San Diego. Their longstanding relationships with City Engineering and Inspection staff reflect a proven track record of successful project execution over the years.

Should KTA Construction and Nasland Engineering be selected, the City can expect unparalleled performance and quality. KTA’s commitment to utilizing local subconsultants and subcontractors further underscores their dedication to understanding and addressing the unique needs of San Diego projects. Local firms offer valuable insights into regional conditions and exhibit heightened responsiveness, which contributes significantly to project success.

In summary, KTA Construction and Nasland Engineering bring a combination of deep local knowledge, extensive experience, and a proven ability to deliver high-quality results. Their collaborative approach and local expertise position them as ideal partners for ensuring the successful completion of the project.



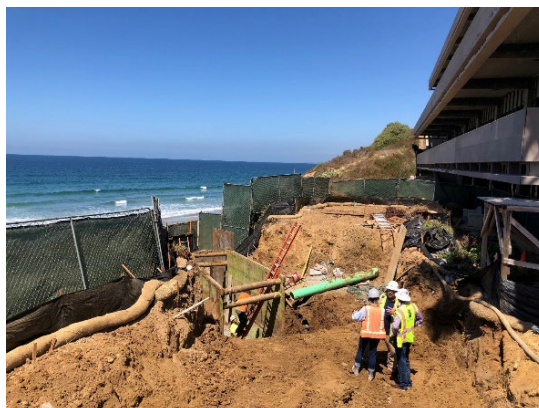
Staffing Plan

KTA has developed a management approach that integrates design and construction staff as a single team. This integration is the central component of our approach. KTA believes that through the design-build approach, there is greater ability to control and lower project costs as well as accelerate the overall project schedule. KTA's partnering approach with design and construction staff helps the City of San Diego achieve this benefit. KTA's management approach consists of working in partnership with City staff under similar project goals and interests. These goals and interests include achieving a completed project that operates to the satisfaction of City O&M staff, satisfies stakeholders/users of the completed project and meets the project schedule established by the City and supported by the Design-Build team. Integration of the design and construction teams is key to project efficiency.

The design staff ensures that all City of San Diego design goals, guidelines and performance standards are met. Construction team members will be involved in the design process providing input to make the design more efficient and constructible. They will also work along with the design team determining suitable construction materials and suggest modifications to make the design more compatible with the construction methods. Through their participation in the design, the construction team will know and understand the details of the design and can coordinate items such as early scheduling procurement of materials, equipment, labor, construction easements, providing appropriate shop drawings and submittals, and arrange construction staging and storage areas, thereby saving construction time and expense.

The design team will also be involved with the construction phase. The design team will know, on a day-to-day basis, the progress made by the construction team. This knowledge will allow the design team to assess any problems or changed conditions and develop solutions with minimal delay. Requests for information from the construction team will be provided and responded to in a timely manner.

KTA Superintendents (Kenny Anderson and Dave Payne) will oversee construction. They have extensive experience installing sewer, water, and storm drain pipelines. The company is very experienced with City projects and the task of assigning work to individuals within their area of expertise. Kenny and Dave continuously receive satisfactory and above satisfactory evaluation reports, as well as unsolicited letters of appreciation from project residents on City of San Diego projects. Assigned staff will cover all necessary disciplines during the design and construction phases including but not limited to civil, environmental, traffic control, and geotechnical.



Organization Chart



City of San Diego
Engineering and Capital Improvements

Owner/CEO
Mike Henderson
KTA Construction

DESIGN TEAM

DESIGN MANAGER

Larry Thornburgh, PE, PLS

PROJECT MANAGER

Jarrett Linn, PE

PROJECT ENGINEER

Paul Pitman, PE

SURVEY PROJECT MANAGER

John Winn, PLS

DESIGN SUB-CONSULTANTS

GEOTECHNICAL

Allied Geotechnical (SLBE)

CONSTRUCTION TEAM

PRESIDENT/GENERAL
SUPERINTENDENT

Kenny Anderson

VICE PRESIDENT/SENIOR PROJ MGR

Adam Ogden

FIELD SUPT/SAFETY OFFICER

Dave Payne

PROJECT MANAGER – QA/QC

Jessica Linn

CONSTRUCTION SUB-CONTRACTORS

COMMUNITY OUTREACH

Two Rivers Strategies, Inc. (ELBE)

TRAFFIC CONTROL

Hudson Safe-T-Lite

ASPHALT PAVING

J&S Asphalt (SLBE)

ENVIRONMENTAL

Loveless & Linton Consulting (SLBE)

CONCRETE FLATWORK

YBS Construction Engineering (ELBE)

STORM WATER COMPLIANCE

McGrath Consulting (ELBE)

Hazardous Waste

Soclaris Contracting (SLBE)

Qualifications of Key Personnel

Mike Henderson | Owner/CEO | KTA Construction

Mike has been involved in the engineering and construction business in Southern California for over 51 years and over 45 years with KTA. He has managed over 100 successful City of San Diego construction projects primarily involving replacement and installation of piping and appurtenances. He has built the KTA team to have a complete working knowledge of City standards, regulations and requirements for projects such as the Design Build project. The City is KTA's largest client.

Mr. Henderson is recognized as an expert in the field of construction defects and as a result produces successful projects because of excellent planning and execution. Additionally, Mr. Henderson's talents have been utilized as an expert for the City of San Diego on a Sewer/Water Group project, providing information to the City Attorney handling the case.

Kenny Anderson | President/General Superintendent | KTA Construction

Kenny has 45 years of experience with KTA in sewer, water, and storm drain construction as well as site grading, street and roadway construction, bridge construction, directional drilling, pipe lining, pipe bursting, sewer pump stations, pressure reducing stations, rock slope protection, dewatering, etc. During his 45 years of employment with KTA he has experienced nearly every discipline associated with infrastructure improvements working with both public and private entities.

Mr. Anderson will be responsible for all work performed on this project. He will lead the Design, Construction, and Quality Assurance/Quality Control (QA/QC) Teams throughout the project duration. It will be his responsibility to ensure that all contractual requirements are strictly adhered to, and a quality project is delivered to the City in a timely manner. Mr. Anderson will develop the project work plan and schedule that describes how the Project Team will complete the project on schedule, within the budget, and meet all City of San Diego requirements. He will be the primary point of contact for the City and will oversee daily coordination of the project work.

Qualifications of Key Personnel

Adam Ogden | Vice President/Senior Project Manager | KTA Construction

Adam has 20 years of experience in project management, and estimating on City of San Diego projects including sewer, water, storm drain, utility undergrounding, concrete street panel replacement, sidewalk removal and replacement, and concrete structures (ramps, inlets, RCBC). Adam will work closely with Kenny ensuring all aspects of construction, from design to completion, will be completed on time and on budget to the City's high standards. He will also be working directly with the CoSD CMFE team during construction to make sure the project is continuously progressing forward to achieve ultimate success.

Relevant City of San Diego Projects would include:

- Ted Williams Parkway Pedestrian Bridge – APWA award recipient
- Alta La Jolla Storm Drain - APWA award recipient
- Avenida De La Playa Storm Drain - APWA award recipient
- Water Group 920 - APWA award recipient

Dave Payne | Field Superintendent | KTA Construction

Dave has 28 years of experience in sewer, water, and storm drain construction. Sixteen years as a project foreman, twelve years as a superintendent. Dave has completed multiple City of San Diego sewer, water, and storm drain projects including trunk sewer up to 42" in size, sewer pump stations, pressure reducing stations, water treatment plants, and trunk water lines up to 54" in size.

Jessica Linn | Project Manager | KTA Construction

Jessica has 13 years of experience in the construction industry with seven years as a project manager. Jessica successfully completed the AGC Project Management Certification program. This was a 26-week course providing an all-encompassing overview of construction project management principles and best practices. Jessica, Adam, Dave, and Kenny all work closely together to schedule and coordinate multiple projects at the same time. Jessica is very detailed and is excellent at quality assurance in providing the correct subconsultants, and subcontractors for any given situation.

Relevant City of San Diego Projects would include:

- Pipeline Rehabilitation AS-1
- Rolando Improv 1
- Hotel Circle CI and AC Accelerated Replacement - APWA award recipient
- AC Water Group 1030

Qualifications of Key Personnel

Larry Thornburgh, PE, PLS | Design Manager | Nasland Engineering

Larry oversees the design of municipal projects including pipeline projects, stormwater, sanitary sewer, water main extensions as well as road improvements. His experience includes water and wastewater systems, utility design, traffic and transportation engineering, site design, and storm drainage design as well as the management and coordination of multi-faceted projects.

REPRESENTATIVE PROJECT EXPERIENCE

As-Needed Civil Engineering - City of San Diego

As Director of Engineering, Larry oversees all tasks orders for three as-needed civil engineering contracts dating back to 2017. Tasks include surveying, civil engineering for sewer and water design services, drainage and culvert designs, accessible compliance design, assessments and feasibility studies, geotechnical investigations, traffic engineering, technical reports, and public outreach with stakeholders including community groups and private landowners.

Spring Valley Outfall Sewer Rehabilitation

The scope of work included researching public records; design of sewer plans and profiles for five phases of the project including constructability review, access coordination with private landowner; preparation of right-of-way plans and easement documents, technical specifications; and cost estimates.

Allied Gardens Sewer and Water Group – San Diego, CA

The project includes the replacement of 13,800 LR of 6-16" of the water main and 9,600LR of 6-12" sewer and 61 curb ramps. The Water improvements eliminated 4 backup PRV stations in Allied Gardens and make Alvarado CYN & Fairmont the main feed and Camino Del Rio N W/O Mission Gorge and make Princess View & Miss Gorge as backup stations to the (355) zone.



NASLAND TEAM
MEMBER SINCE 1989

EDUCATION

B.S. Structural Engineering,
1989, University of
California, San Diego

REGISTRATIONS/ CERTIFICATIONS

Civil Engineer, 49795, CA,
1991 (Exp. 9/30/22)

Professional Land Surveyor,
7298, CA, 1996

AFFILIATIONS

ACEC of California (Past
President)
American Public Works
Association
American Society of Civil
Engineers

Jarrett Linn, PE | Project Manager | Nasland Engineering

Mr. Linn is a registered professional civil engineer and has provided design services for a variety of water and sewer, transportation, and traffic projects. In addition, he oversees the preparation of submittal packages for improvement plans, grading plans and building plans. Jarrett's relevant project experience includes:

Hillcrest Sewer and Water Group, City of San Diego

This project includes Water and Sewer Improvements in the Hillcrest Area for the City of San Diego. The scope of work consisted of water main improvements of approximately 1.5 miles of existing AC water pipes replaced with PVC pipe and sewer improvements of approximately 1.5 miles of replaced sewer mains.

Flinn Springs Sewer Design, County of San Diego

Design work performed by Jarrett for the project included upsizing the existing sewer to meet current and future capacity needs. The project consisted of the replacement of approximately 3,690 linear feet of existing 8-inch and 10-inch sewer pipeline with a new 15-inch PVC sewer line

Sewer and Water Group 765A, City of San Diego

Jarrett provided civil engineering design and community liaison services for the 30 private replumb plans for the City of San Diego. The work consisted of preparation of plans, preparing private sewer lateral agreements, and meeting with each homeowner to survey the proposed improvements.

Old Otay Mesa Road, City of San Diego

Mr. Linn provided civil engineering design services and construction administration for the water pipeline portion of the Old Otay Mesa Road Project in the City of San Diego. Design included water modeling, preparation of plans, details, and a complete design package for the installation of a 24" steel coated pipeline connecting two neighborhoods.



TECHNICAL PROPOSAL

NASLAND TEAM
MEMBER SINCE 2012

EDUCATION

B.S. Civil Engineering, 2012,
San Diego State University

REGISTRATIONS/ CERTIFICATIONS

Civil Engineer, 84231, CA,
2015

John Winn, PLS | Survey Project Manager | Nasland Engineering

John is a licensed land surveyor with more than 37 years of experience providing professional surveying services to both public and private sector clients. John supervises all surveying and mapping operations at Nasland. His role includes oversight of field surveys, construction staking, field crew supervision, the preparation and quality control of final maps, record of surveys, legal descriptions, ALTA surveys, and boundary surveys.

Maya Linda Road Boundary Survey – San Diego Housing Commission, San Diego, CA.

John prepared a boundary survey to establish the location of Interstate 15 freeway widening improvements being made by CALTRANS adjacent to commission property boundaries.

Town and Country ALTA Survey - San Diego Housing Commission, San Diego, CA.

John prepared an ALTA/NSPS survey for the Town and Country Apartments per the 2016 minimum standards. Vista Verde Apartment Complex ALTA Survey - San Diego Housing Commission, San Diego, CA. John prepared an ALTA survey associated with the Vista Verde Apartment Complex, San Diego.

Nimitz Right of Way Survey - San Diego Housing Commission, San Diego, CA.

John conducted Right of Way and Ownership research for a portion property adjacent to Nimitz Boulevard South of Famosa Boulevard.

Newton Street ALTA- San Diego Housing Commission, San Diego, CA.

John prepared a standard ALTA survey to include boundary and topographic information for a 2.2-acre commercial property.

Fulton Street Boundary Survey - San Diego Housing Commission, San Diego, CA.

John prepared a boundary survey to establish the location of a fence line encroachment.



NASLAND TEAM
MEMBER SINCE 1989

EDUCATION

University Centre Doncaster,
South Yorkshire,
England, Higher National
Diploma, Mineral Surveying,
1984

REGISTRATIONS/ CERTIFICATIONS

Civil Engineer, 84231, CA,
2015

Qualifications of Key Sub-Consultants and Sub-Contractors

TRAFFIC | Hudson Safe-T-Lite

Hudson Safe-T-Lite had its beginnings in San Diego, CA as Hudson Rents in a small warehouse on 2nd Street off Market in 1958. The company relocated to Mission Valley in 1960 and became Hudson Safe-T-Lite Rentals with a small house as an office and the garage as a shop. Since inception the company has been owned and operated by the same family, through three generations, maintaining long-term relationships with several customers since the first day of business. Hudson Safe T Lite prepares traffic plans, provide all required devices, and our technicians will route traffic safely through lane closures, detours, street closures, or freeway closures. When the job is complete, they will remove all traffic control quickly and safely so normal traffic can resume. Hudson Safe-T-Lite is a City of San Diego Certified Small Local Business Enterprise (SLBE).

GEOTECHNICAL | Allied Geotechnical (SLBE)

AGE is a small independent consulting engineering firm that has maintained an active geotechnical engineering practice in San Diego County over the past 39 years. AGE's practice over the past 25 years has focused on the design and construction of a wide variety of public works projects, including transportation infrastructure; water, wastewater and recycled water storage, treatment, and conveyance facilities; drainage and erosion control structures; airport facilities; public schools; storm water collection, treatment and conveyance facilities; central utility plants; and public park, athletic, and recreational facilities. Our firm's key personnel include individuals who have gained practical experience, ranging from 25 to more than 40 years, and possess special expertise in providing geotechnical engineering, geology and engineering geology, hydrogeologic, and geo-environmental consulting services.

ENVIRONMENTAL | Loveless & Linton Consulting (SLBE)

Loveless Linton, Inc. was established in 2012 and is Native American owned. Since their inception they have had the opportunity to service a variety of projects in the San Diego and Imperial counties. They help guide the project along an efficient path by handling the harder decisions for you, resulting in project stability, productivity, cultural sensitivity, regulatory compliance, time efficiency, and they do it all while keeping the project within the target budget. Loveless Linton is a City of San Diego Certified Small Local Business Enterprise (SLBE).

COMMUNITY OUTREACH | Two Rivers Strategies, Inc. (ELBE)

Two Rivers, Strategies, Inc (Two Rivers) will serve as the team's exclusive Community Liaison . Two Rivers has served as Community Liaison on a variety of City of San Diego Capital Improvement Projects in the past decade including design build Projects. Two Rivers will work cooperatively with and provide assistance to the City's PIO team and will adhere to the Whitebook requirements for Community Liaison to implement and carry out the public information and outreach program.

Hazardous Waste | Soclaris Contracting (SLBE)

Soclaris Contracting (Soclaris) will serve as the team's Hazardous Substance Remover. Soclaris is a licensed General Engineering Contractor with a Hazardous Substance Removal certificate. The company, which was formed in 2001, offers environmental, construction and marine services to the public and private sectors. Soclaris is committed in providing quality work at a

Qualifications of Key Sub-Consultants and Sub-Contractors

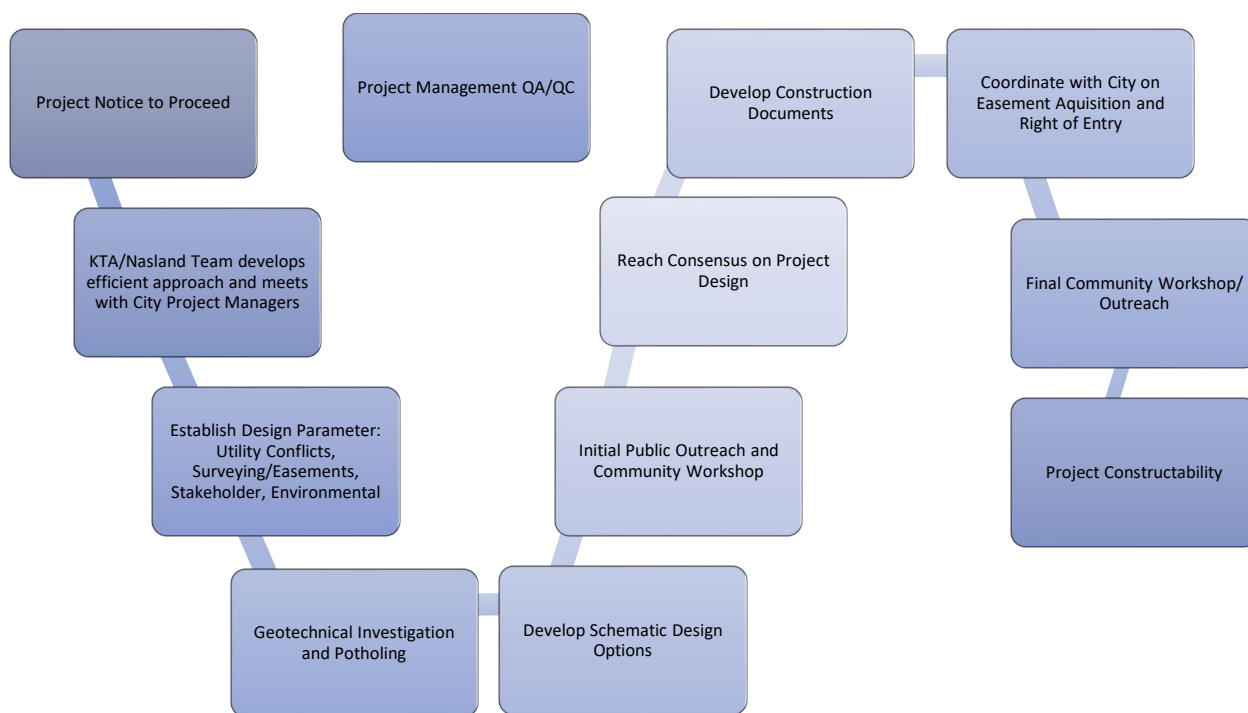
competitive price. Over the years, they have been involved in projects all over Southern California. Sonny Rosenal, President of the Soclaris Contracting, brings more than 20 years of experience to the company. Soclaris Contracting strives to stay atop all current regulations and all employees working in the field are 40 hour OSHA trained. When it comes to getting the job done right and on time, look no further...they're here to help. Their motto is "We got you covered in all directions".

4. Technical Approach and Design Concept

4.1 Design Approach & Method

Nasland Engineering and our interdisciplinary design team are qualified to complete the scope of services described in this Request for Proposal (RFP) in a productive and timely manner. The KTA/Nasland team is prepared to provide a depth of **local resources, experienced project management** and **design excellence** for this contract. Nasland is a local, civil engineering firm with more than 65 years of experience working with public agencies on sewer and water projects.

Our detailed approach to any project will depend on the specifics of the project. For the Roseville-Fleet Ridge Improv 1 Project our approach includes the following elements:



Project Initiation

Design is a problem-solving process, best approached in a methodical manner which allows careful consideration of alternative solutions early on. Critical design decisions will be discussed with the City and the reasons for such decisions will be documented. A properly conducted design procedure will avoid unnecessary re-work or re-hashing of old issues and streamlines the completion of the construction document phase of design.

After Notice to proceed, the KTA/Nasland team will meet with the City Project Manager to discuss the project issues and goals to resolve early in the project including any known community concerns, right-of-way limitations, or environmental constraints. In our experience

there is no substitute for up-front meetings between City project managers to provide a solid basis for our services.

Establish Design Parameters

Thorough research and data collection of the project area will be performed before the layout of any schematic design. Research will include a complete assessment of the utility record drawings, environmental constraints and assessments, additional permitting requirements, construction limitations, adjacent community uses and activities. An aerial survey will be performed along with a supplemental field topographic survey to be included with the City's provided boundary survey. Field investigations including geotechnical investigations and utility pot holing will be performed after schematic design. Nasland Engineering will pay particular attention to identifying and understanding the project constraints early in the design process.

Schematic Design

Prior to the start detailed design and after all constraints and design parameters are investigated, Nasland will prepare a schematic design of the water alignments which would meet the project objectives. Our Project Team will prepare design solutions to attain the most effective, creative, and achievable results for the project which would satisfy community concerns and meet regulatory obligations. Various assessment reports for utility separation, fire hydrant spacing, curb ramp type, etc. will be prepared to document the projects design parameters, showing compliance of all project aspects.



Public Outreach Meeting

Public Outreach

Initial public outreach will present the Schematic Design plans to the Community. The KTA/Nasland team along with Two Rivers will perform the public outreach using skills and techniques developed over many years of managing and directing highly visible projects. The outreach for this project will include informal meetings, community workshops, Planning Group presentations or public informational meetings.

Detailed Design

With concurrence of the community and approved Schematic Design from the varying departments of the City, the project moves to 60%, 100%. and final design stages.

Environmental Documentation

KTA/Nasland Team will review the Notice of Exemption for the project and determine if the design will maintain the categorical exemption criteria set forth in the CEQA State Guidelines.

Several segments of water mains fall within the MHPA land use adjacency area which will require biological studies (bird surveys) to determine impacts and mitigation strategies. Environmental Assessments based on the project scope may include biology, cultural, traffic, hazardous materials, water quality, or others and will be included in the environmental document which would permit the project. The document typically would be processed through the Development Services Department. Environmental Permitting would be concurrent with detailed design.

Development of Construction Documents

The final design plans would be prepared in conjunction with the Environmental Document and assure that all construction can be completed within the project footprint established in the documents. Final plans would be distributed to City-Wide Plancheck and the designs would meet all of the design criteria established. The design team committed to this project has recent experience providing plans and specifications to the City of San Diego, and is thoroughly familiar with the City's current policies, procedures and requirements, including the bid documents, Greenbook, Whitebook and special provision formats.

Design QA/QC

High quality Plans, Specifications and Cost Estimates are essential for a smooth project. Quality is stressed in every aspect of the operations at Nasland Engineering. Professional development is strongly encouraged. In-house training sessions are held weekly. Our technicians and professionals attend training courses and educational seminars to keep current in their field. Experts are brought in to lecture on specific topics of interest. Performance is continually evaluated to determine how we can improve.

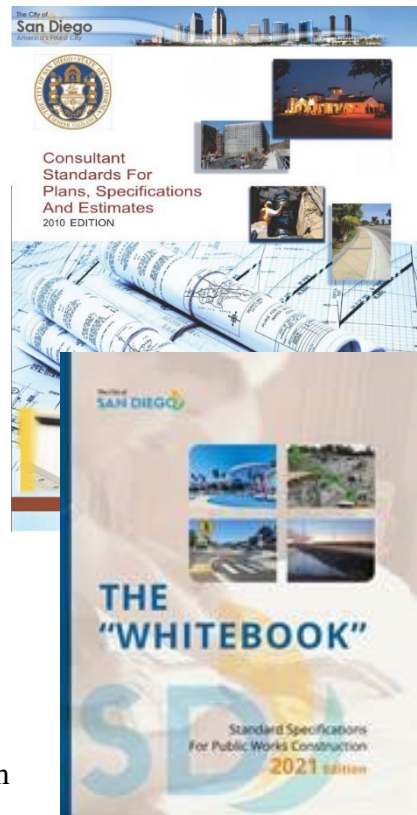
At the project level, Nasland has developed a six-step Quality Assurance Plan outlined below:

- All engineers working on the project will have a clear understanding of the City's goals and project constraints prior to commencing work.
- Nasland Engineering has a written Standard of Practice Manual that is implemented on every project.
- Nasland Engineers will have regular scheduled meetings to discuss constraints and key design elements.
- Key personnel are committed to the project from the beginning until construction is complete and record drawings are approved.
- Every submittal to go through a minimum 1-week QAQC period prior to submittal to the City.
- Before each formal submittal, all submittal documents shall go through an in-house peer review by a senior level engineer not involved in daily tasks. Each submittal will also go through a constructability review by KTA Construction.

Producing high quality design deliverables is essential to the success of the project. The KTA/Nasland team will be solely responsible for project quality assurance and quality control during design. This process begins when the project is awarded. The KTA team will submit a complete project quality control plan including the design quality plan at the project kickoff meeting with the City of San Diego. The QA/QC manager will verify project scope and ensure the proper standards are being used for this project. The team will develop the project design based on the appropriate standards which include;

- Consultant Standards for Plans, Specifications and Estimates
- Approved Materials List
- Water Design Guidelines, City of San Diego
- City of San Diego Standard Drawings
- Standard Specifications for Public Works “Greenbook”
- City of San Diego Standard Specifications “Whitebook”

The Team will use City provided checklists and incorporate them into the plan reviews for submittals at 60%, 100% and Final Design. Also included will be previous City comments with responses provided by the Design-Build team. An interdisciplinary review will be conducted for each submittal. The final submittal will include all documentation with fully agreed upon and resolved comment responses, checklists and design calculations.





Pressure Zones

The proposed water improvements spans between 3 pressure zones; Catalina (462), University Heights (390), and Point Loma (260). Improvements on Fenelon Street is within the Catalina pressure zone and unaffected by other zones. The remaining improvements are spread between the two University Heights and Point Loma pressure zones with the improvements on Dickens Street, Emerson Street and Hugo Street connecting the two zones with “normally closed” valves. The KTA/Nasland team understand

the importance of not crossing pressure zones and a maintaining the isolation of each zone.

Pipeline Separation

The proposed water main separation from non-potable utilities will be designed in accordance with California Code of Regulation, Title 22, Division 4, Chapter 16, Section 64572 over the entire proposed alignment. As built drawings, Splash Drawings and City Field Books will be used in conjunction with the field investigations to establish a proposed water and sewer main alignment that meets the separation requirements.

After conducting a field investigation and review of available records, the separation between the existing water and sewer mains within the project limits are exceeding 10’ or very close to the 10’ separation. For the mains that are close to a 10’ in separation, the water main can be shifted within the existing trench to meet or exceed the requirements. There are two streets that need more precise evaluation of the separation. Preliminary measurements of Emerson Street and Dickens Street show that the water main will need to shift 2’ to 3’ to meet the requirements. The shift appears to be possible with no other conflicting underground utilities. However, if no solution is available to meet the 10-foot separation requirement, then Nasland will work with the City to file a waiver to be approved by the Regional Water Board’s Division of Drinking Water. The waiver will likely require upgraded building materials

Fire Hydrants

Fire hydrants shall be spaced in accordance with the California Fire Code, the City’s Facility Design Guidelines, and the Hydraulic Modeling and Pipe Sizing Assessment Study. The water improvements are mostly within single family residential zoning with Inglow Street, Scott Street, and the southern portion of both Hugo Street and Emerson Street with multifamily/commercial zones. In order to meet the minimum spacing requirements, the existing 9 fire hydrants need to be reinstalled and 3 new fire hydrants will be required. The new fire hydrants will be placed at the intersection of Emerson and Locust, Plum and Dickens and midblock on Fenelon Street. The additional fire hydrants will ensure all portions of the roadway are within 225’ of a fire hydrant (450’ max spacing) within residential zones, and within 210’ of a fire hydrant (max 350’ spacing) for commercial/multifamily. Locations for new and relocated fire hydrants will be placed at street intersections or at the property line for mid-block fire hydrants. The KTA/Nasland team will work with each property owner to make them aware of the proposed locations of the new fire hydrants.

Phasing and Coordination with Adjacent Projects

KTA/Nasland will work with the City and their design consultants to coordinate with adjacent improvement projects that are either in design or under construction within the project limits. Based on the bridging documents, there are several utility group jobs, pavement resurfacing projects, and accelerated sewer rehab projects within the project area. The projects in design will need to be closely coordinated to create seamless transitions and minimize potential for relocating or reinstalling work that was recently improved. Projects that will complete construction will need to be coordinated to represent up-to-date existing conditions and minimize contractor change orders.

KTA will ensure that our Community Outreach subcontractor as well as our Public Relations team member (Jessica Linn) reach out to each of the adjacent project City and contractor members to coordinate traffic control throughout the project.

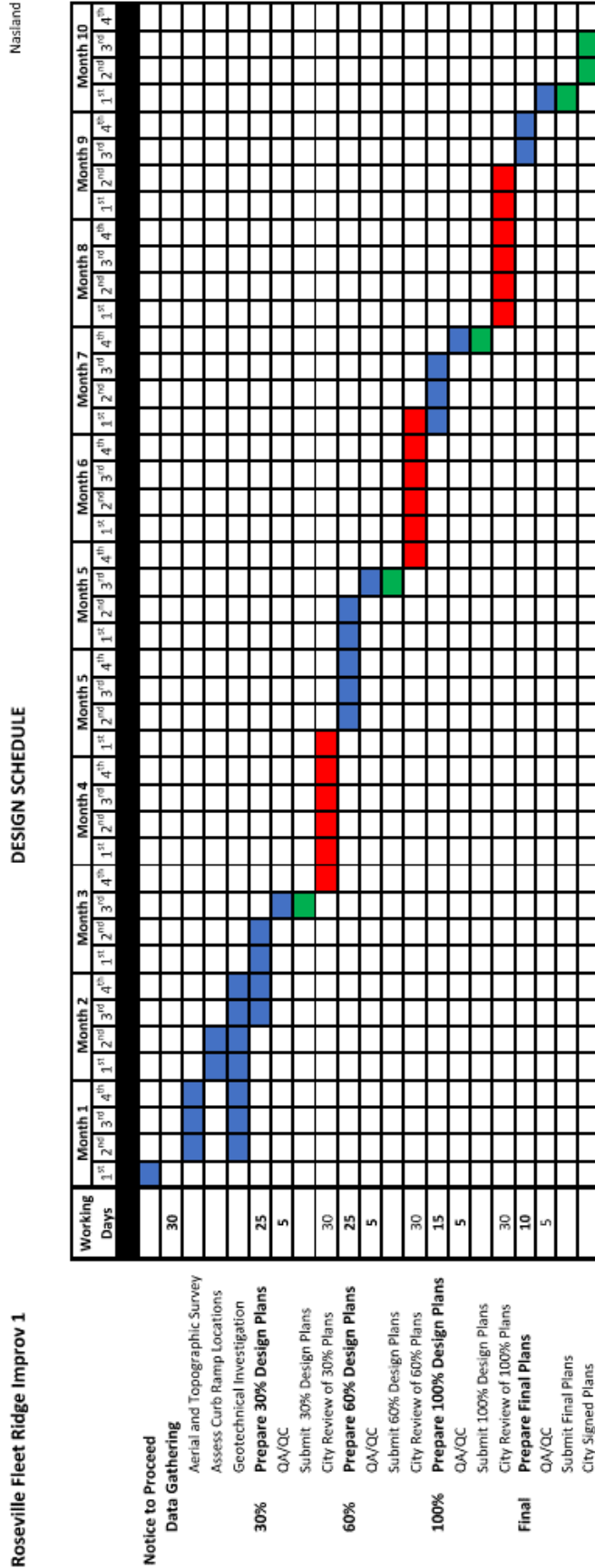
Access Law Improvements

Curb ramps and surface improvements within the crosswalks will be installed in accordance with the Access Law guidelines, the City's Curb Ramp Design Memo and Guidelines, and the projects Preliminary Engineering Assessment Report. The KTA/Nasland team will assess each curb return to construct a dual curb ramp to the maximum extent feasible according to the new ADA guidelines. A report will be prepared to document each curb return, the layout of a dual curb ramp, any challenges of installing dual curb ramps and migration if dual ramps is deemed not feasible. The report will review the available right of way, topographic challenges, stopping sight distance, obstructions limiting ramp placement and monuments or historic stamps that need to be preserved. If private improvements are in conflict with the installation of new curb ramps, the KTA/Nasland team will work closely with the property owners or utility purveyors to relocate the private improvement for the installation of the new curb ramp. If it is determined that dual curb ramps cannot be implemented, the KTA/Nasland team will work with the City on proposed alternatives and document all decisions in the final Curb ramp assessment report before moving forward with final design. A deviation from standard form will be prepared for all intersections where the dual curb ramps cannot be installed, or where obstructions do not permit the installation of a curb ramp. Existing striped crosswalks will be restriped with continental markings. Crosswalks near school zones will be continental markings striped yellow.



After conducting a field investigation and review of the preliminary Engineering Assessment Report the KTA/Nasland team anticipate replacing approximated 32 curb ramps and installing a combination of dual curb ramps totaling approximately 71 curb ramps (2 Type A, 69 Type C). The intersection of Rosecrans and Hugo Street will require modifications to the push buttons. Detailed designs are anticipated at the intersections of Emerson and Willow, Dickens and Willow, Plum and Fenelon, Plum and Garrison, and Rosecrans and Hugo Street. Final assessment and design may adjust the number of each improvement to be replaced.

4.1.3 Design Schedule



4.1.5 Water highlining Plans and Sewer Bypass Plans

Water highlining Plans

KTA will develop and submit a Water Highline Plan for City approval. This plan is designed to ensure uninterrupted water service during the replacement of existing water mains.

Key features of the Water Highline Plan include:

- **Looped System Configuration:** Each highline system will be designed as a looped network, featuring multiple feeds. This configuration enhances reliability and ensures that water can be rerouted efficiently, minimizing the impact on the affected areas.
- **Pressure Regulators:** The water improvements border two pressure zones. It may be necessary for temporary highline feeds to be connected to another pressure zone. If needed, pressure regulators will be placed on the temporary highline system to mitigate the increase in pressure.
- **Inline Valves:** The plan will incorporate inline valves strategically placed throughout the system. These valves are crucial for isolating sections of the highline as needed, which allows for maintenance or adjustments without disrupting water service to the community.
- **Minimal Disruption:** The design aims to maintain continuous water service with minimal interruptions, ensuring that the community experiences the least possible inconvenience during the construction process.

By implementing these features, KTA is committed to providing a highline system that effectively supports the City's water distribution needs while facilitating a smooth transition during the infrastructure upgrades.

Sewer Bypass Plans

The work scope includes the rehabilitation of 10,688 linear feet of 8-inch sewer main, manholes, and laterals. To facilitate this, by-pass pumping will be necessary during working hours only, with all flows to be re-established at the end of each workday.

By-Pass Pumping Plan:

1. **By-Passing Setup:**
 - **Insertion of Sewer Plugs:** Sewer plugs with by-pass assemblies will be inserted into the upstream and downstream pipes at the required manholes.
 - **By-Pass Assembly:** Three-inch trash pumps, each equipped with a dedicated fuel tank, will be used to transfer flows to a new or existing downstream manhole.
2. **Operational Procedures:**
 - **Hose Placement:** By-pass hoses will be laid along the street sides and marked with traffic cones where necessary to ensure safety and visibility.
 - **Continuous Monitoring:** Pumps and hoses will be monitored continuously to ensure proper operation throughout the diversion process.
 - **Redundant System:** for flows requiring a 4-Inch or Larger pump, A stand-alone redundant by-pass system will be installed, including both suction and discharge piping.



Each pump, including backup units, will have its own complete suction and discharge setup.

- **Backup Operation:** The backup by-pass system will be operated for at least 25% of the total diversion time on a weekly basis. The backup system will be fully installed, tested, operational, and ready for immediate use.
- **Hydraulic Testing:** The systems will undergo hydraulic testing with clean water prior to the diversion of wastewater flow.

3. Spill Containment and Response:

- **Containment Measures:** Pumps will be equipped with plastic trays to contain potential spills, such as oil or sewer.
- **Failure Protocol:** In the event of a pump failure, sewer flow will be reverted to the existing gravity system. Existing facilities will not be removed in a manner that prevents the immediate removal of plugs and the rechanneling of flow to pre-existing conditions.
- **Spill Response:** Should a spill occur, onsite equipment will be used to contain and recover the spill. Storm drain inlets will be blocked, and additional equipment and personnel will be deployed as necessary. The City of San Diego will be notified immediately in case of a spill.

Summary

KTA Construction, Inc. is committed to executing the by-pass pumping with meticulous planning and real-time management to minimize disruptions and ensure project success. The detailed by-pass system and contingency plans are designed to handle the complexities of sewer main rehabilitation while maintaining operational integrity and public safety.

4.1.6 Phasing of Design and Construction Work

Preliminary investigations, such as potholing and CCTV inspections, play a crucial role in refining the design and accelerating the transition from final design to construction. KTA Construction, Inc. will collaborate closely with Nasland Engineering to ensure these investigations are thoroughly integrated into the design phase.

Key Actions:

1. Preliminary Investigations:

- **Potholing:** To accurately determine the location and depth of existing utilities, reducing the risk of unforeseen conflicts during construction.
- **CCTV Inspections:** To assess the condition of existing sewer lines and identify potential issues, which will inform more accurate design and planning.

2. Improved Design Efficiency:

- **Design Accuracy:** The data obtained from potholing and CCTV will enhance design accuracy, allowing for more precise planning and minimizing surprises during construction.
- **Reduced Delays:** By addressing potential issues early, these investigations help reduce the time between final design and the start of construction, leading to a smoother project timeline.

3. Coordination and Phasing:



- **Phasing Schedule:** KTA, in collaboration with Nasland Engineering, will develop a comprehensive phasing schedule. This schedule will be designed to accommodate all project stakeholders and ensure minimal disruption.
- **Access Management:** The phasing plan will include provisions for maintaining access to all adjacent properties, ensuring that the project progresses efficiently while respecting the needs of the community.

By incorporating these preliminary investigations into the design process and developing a well-coordinated phasing schedule, KTA Construction, Inc. and Nasland Engineering aim to enhance project outcomes, streamline construction, and minimize impacts on the surrounding area.

4.1.7 Permits

To ensure smooth project execution and compliance with local regulations, the following traffic control and permit requirements will be implemented:

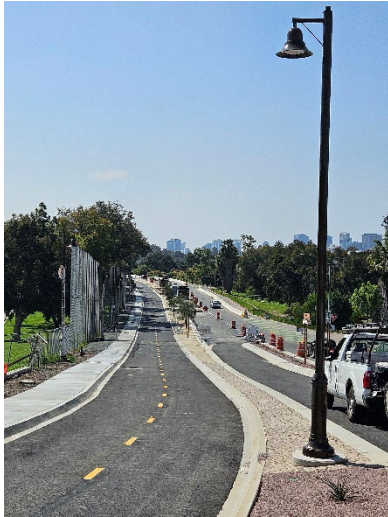
1. **Traffic Control for Potholing:**
 - **Duration:** 20 working days
 - **Details:** Traffic control measures will be in place to manage and direct traffic around potholing activities, ensuring safety and minimal disruption to local traffic flow.
2. **Traffic Control for Geotechnical Investigation:**
 - **Duration:** 20 working days
 - **Details:** Similar to potholing, traffic control will be established to facilitate safe and efficient geotechnical investigations, which are essential for understanding subsurface conditions.
3. **Traffic Control for Water and Sewer Main Construction:**
 - **Duration:** 20 working days
 - **Details:** During the construction of water and sewer mains, traffic control will be implemented to ensure safe passage for vehicles and pedestrians while minimizing disruptions to the community.
4. **Noise Permit:**
 - **Duration:** 5 working days
 - **Details:** A noise permit will be secured to comply with local regulations concerning permissible noise levels and hours of operation. This permit will ensure that construction activities adhere to noise control guidelines and mitigate any potential disturbances.
5. **NOE (Notice of Exemption):**
 - **Duration:** 20 working days
 - **Details:** A Notice of Exemption (NOE) will be required for compliance with California Environmental Quality Act (CEQA) due to impacts. Project scope will be provided to EPS at 30% design to determine if a CEQA exemption is applicable.
6. **Ground Water Discharge Permit:**
 - **Duration:** 30 working days



- **Details:** A ground water discharge permit may be required. The permit will be acquired prior to the start of work in the affected area to ensure proper groundwater discharge is being implemented.

These measures will be carefully planned and executed to ensure compliance with regulations, maintain safety, and minimize impact on the community.

4.1.8 Traffic Control Approach



The traffic control plans for the project will be meticulously developed in collaboration with Hudson Safe-T-Lite to ensure safe and efficient traffic flow throughout the construction period. The plans will be crafted to uphold the highest safety standards and minimize disruptions to the community. Key aspects of the Traffic Control Plan include development, coordination, safety, minimizing disruptions, traffic control considerations, and traffic flow management.

For the Development of traffic control, we will be partnering with Hudson Safe-T-Lite. Traffic control plans will be created in coordination with Hudson Safe-T-Lite to leverage their expertise in managing traffic flow safely. The plans will be submitted for approval to the City of San Diego and maintained according to their requirements, ensuring all safety protocols are met.

Safety is always KTA's number one objective. Traffic control measures will prioritize the safety of construction workers within the work zone. The plans will be designed to minimize disruptions to residents, businesses, schools, and commuters, ensuring that daily activities and operations are not unduly affected.

Other considerations to consider are vehicular traffic, pedestrians, bicycles, property access, and public transit. The plans will address measures to ensure smooth vehicle flow and minimize delays, safe pathways and crossings for pedestrians, designated lanes or routes for cyclists, ensure continuous access to properties adjacent to the construction zone, management of parking to avoid inconvenience, and accommodation for public transit routes and schedules. Efforts will be made to keep two lanes open—one in each direction—where possible. If the space does not permit two lanes of traffic, flagging operations will be implemented to manage traffic safely or a detour will be provided. Any road closures or detours will be minimized to reduce the impact on traffic flow.

The traffic control plans will be designed with a focus on safety and efficiency, ensuring that both construction activities and community needs are effectively managed throughout the project.

4.1.9 Storm Water Pollution Control Best Management Practices

Erosion Control work shall include the implementation and maintenance of the Project WPCP and implementation and maintenance of storm water pollution prevention Best Management

Practices (BMPs) required to prevent and control discharges of dust, soil, sediment, debris, and other pollutants from the project site onto adjacent areas and/or into the storm water conveyance system from construction activities shown on the Plans and as specified, in compliance with all applicable laws and regulations of authorities having jurisdiction. All water pollution control work shall be in conformance with the requirements in the Project's "Storm Water Pollution Prevention Plan," "California Stormwater Quality Association Construction Stormwater Best Management Practices Handbook," and the "Storm Water Pollution Prevention Plan (SWPPP)" specifically prepared for the project and approved by the City of San Diego.

KTA will designate a Qualified SWPPP Practitioner (QSP) who shall implement the following to prevent and control the discharge of non-storm water pollutants to the storm water conveyance system and receiving waters to the Maximum Extent Practicable (MEP):



1. Non-storm water and storm water visual observations and inspection requirements, including storm event and daily site BMP inspections. QSP shall submit the inspection reports through SMARTS once every 3 rain events.
2. Sampling and analysis, including Particle Size Analysis for Project Risk Justification.
3. Elimination of unauthorized discharges.
4. BMP inspection, maintenance, and repair.
5. Implementation of the Rain Event Action Plan (REAP) no later than 24 hours prior to a likely precipitation event.
6. Monitoring Requirements for Non-Visible Pollutants.
7. Visual Observation Exemptions.
8. Preparation of the annual compliance evaluation.
9. Recommending necessary modifications to the SWPPP to control and prevent the discharge of non-storm water pollutants to the storm water conveyance system and receiving waters to the Maximum Extent Practicable (MEP).

With the project's location within paved roadways, the primary BMP will include street sweeping on a regular basis to remove construction- related dirt and debris during construction. Street sweeping shall be performed a minimum of two times per week in active construction areas and as frequently as necessary to maintain a clean and neat appearance throughout the project corridors. Street Sweeping shall also be performed immediately prior to rainfall events predicted to produce runoff.

4.1.11 Subsurface Investigation and Geotechnical Work

All underground utilities will be plotted from record drawings and site investigations. Those utilities noted to conflict or cross the water and sewer main alignment will be marked by Underground Service Alert (USA) utility and potholed to ascertain horizontal and vertical location prior to completed final design.

In preparation of the field exploration, suitable locations for exploratory borings shall be selected and cleared with Underground Service Alert (USA) utility mark-out, traffic control and soil boring permits shall be obtained. Field exploration will include six (6) borings to a target depth of 10 feet below ground surface. Upon completion of the field exploration, the borings will be backfill with bentonite chips and repaired with hot-mix asphalt.

Geotechnical laboratory testing and engineering analyses shall be performed to develop design recommendations including:

- General surface and subsurface conditions
- Allowable soil bearing capacity and earth pressures
- Modulus of subgrade reaction
- Soil settlement/heaving characteristics
- Soil Corrosivity characteristics.
- Groundwater conditions
- Construction related considerations including trench backfill operations, temporary sloped excavations and shoring design considerations.

4.1.12 Quality Assurance and Quality Control Plan

High quality plans and specifications are essential for a smooth project. Quality is stressed in every aspect of the operations at Nasland Engineering. Professional development is strongly encouraged. In-house training sessions are held weekly. Our technicians and professionals attend training courses and educational seminars to keep current in their field. Experts are brought in to lecture on specific topics of interest. Performance is continually evaluated to determine how we can improve.

For the Roseville-Fleet Ridge Improvement Project, Nasland will prepare and implement a specific Quality Assurance/Quality Control Plan including:

- The project specific quality control plan will follow Nasland Engineering's Standard of Practice Manual that is implemented on every project and the City of San Diego's standards including:
 - Training -- Staff assigned to the project are trained in design and drafting standards including clear understanding of the City's goals and project constraints prior to commencing work.
 - Thorough documentation of existing utilities including as-built review, potholing, utility mark-out and survey documentation
 - Conflict check
 - Design Control
 - Document Control and Record Retention
 - Peer review policy and implementation
- Nasland's Project Manager, Jarrett Linn, will remain with the project until construction is complete and record drawings are approved. During design and construction, Mr. Linn will maintain close communications with our design staff, any subconsultants, and the City.
- Subconsultant submittals to Nasland Engineering will be scheduled 7 working days before the submittal to the City to allow for a complete quality control and coordination review before incorporation into the project documents and submittal to the City.
- Plans and specifications for every submittal will receive an independent in-house peer review by Larry Thornburgh, Director of Engineering. Review will include consistency

between plans and specifications and an interdisciplinary review of all plans and specifications.

- During construction, Nasland will review all material submittals for conformation with the plans, specifications, and standards.

5. Construction Plan

5.1.1 Identify Challenges and Issues

In reviewing the project site and the bridging documents provided by the City, we have identified several significant challenges that will require targeted solutions to ensure successful project execution. Here's a detailed overview of these challenges and our strategies for addressing them:



Identified Challenges and Strategies:

Several streets within the project limits have low-hanging overhead utilities that may impede construction activities. We will deploy a modified crew equipped with specialized tools and equipment designed for navigating around these utilities safely. This approach will ensure that construction activities are performed efficiently while avoiding any interference with existing overhead infrastructure.

Due to the narrow streets, there are sewer and water mains located within 10 horizontal feet of each other in certain areas, which must be managed in accordance with public health codes. We have identified these critical areas and will proceed with the installation of the new water main while adhering strictly to all relevant regulations and separation requirements. This will involve careful planning and execution to maintain compliance and prevent contamination or other issues.

The Roseville-Fleetridge Community is a heavily traveled community in and around the Community, not only with Locals, but also with tourists all year long. Effective communication with businesses, property owners, and community stakeholders is essential. We will implement a comprehensive public outreach plan that includes

informing businesses, property owners, and other stakeholders about upcoming construction activities and any potential impacts, providing ongoing updates to keep the community informed about project progress and any changes to the construction schedule, and establishing channels for businesses, residents and stakeholders to voice concerns and receive timely responses.

Parking is a significant issue in the Roseville-Fleet Ridge Community, and construction activities could exacerbate this problem, specifically the adjacent blocks around Rosecrans St. We will minimize the staging area and limit the impact on public parking. This includes selecting staging locations that have the least impact on community parking and providing advance notice to the community about any parking restrictions or changes. Additionally, the staging area will move along with our project work to not impact a certain area more than required.

Fortunately, we are very familiar with the Community. Having recently completed AC Water Group 1030 (on Shelter Island), we are familiar with all stake holders and understand how to

navigate and stay ahead of potential challenges. Based on our experience we believe night work will be required for the work on and near Rosecrans St. This will minimize traffic inconvenience, business interruptions, and minimize inconveniences to Naval Base Point Loma.

Another Challenge includes providing temporary highline to the residents getting their infrastructure upgraded. The area requires a significant number of pressure zones on the water system. While the water main may be in one pressure zone, the temporary highline feeds may need to be connected to a different pressure zone. If needed, pressure regulators on the temporary highline system will be utilized to address this issue.

Finally, there are existing dead-end streets where the water system is not looped, and the adjacent water mains are being replaced. Fortunately, we have identified these locations and the water main will be temporarily connected back up to ensure the adjacent properties are not impacted.

Addressing these challenges proactively through careful planning and strategic execution will help us manage potential issues effectively and ensure the successful completion of the project. Our approach emphasizes safety, regulatory compliance, community engagement, and efficient use of resources, drawing from our experience with similar projects to navigate anticipated conditions and constraints.

5.1.2 Construction Approach and Methods



Our construction approach is based on our extensive experience with the installation of PVC Pipe for the City of San Diego. This project consists of installing approximately 5,965 LF of 8" and 12" PVC waterline and 10,688 LF of sewer main rehabilitation in the Roseville-Fleet Ridge Community. To ensure a seamless transition from design to construction and to address all project requirements effectively, we have established a complete approach including presenting a detailed project schedule, outlining key milestones and timelines. Additionally, we will provide all required material submittals, prepare and gain approval for traffic control plans to ensure safe and efficient management of traffic during construction, develop and submit a Water Pollution Control Plan to address potential impacts and ensure compliance with environmental regulations, schedule and conduct initial community group meetings well in advance of construction activities to inform residents, property owners, and stakeholders about the project. This will give us the opportunity to discuss potential impacts

and gather feedback to address any concerns.

After providing the important documents, obtaining approvals, and conversing with the community, we will conduct potholing to accurately locate existing utilities and avoid conflicts during construction, and perform CCTV inspections of existing sewer mains to assess their condition. This will allow us to identify any sags or offsets in the pipe and determine the need for point repairs.

This proactive approach ensures that all necessary preparations are completed prior to the start of construction. By addressing material approvals, scheduling, traffic control, environmental controls, community outreach, and utility investigations during the design phase, we aim to facilitate a smooth and efficient construction process, minimizing disruptions and ensuring project success.

Once we have 100% approved design plans construction will be able to start immediately. In addition to the water main, water services, fire hydrants, air valves, blow offs and main line valves will be replaced or added as required by the Design Manual as to provide a new water system that complies with current design standards. All new appurtenances will be installed per current City standards. Additionally, rehabilitation of the sewer system will begin simultaneously with the water main construction. Because these are independent operations, we can commence together and decrease the overall impact on the community by minimizing the workdays required.



Open trenches will be backfilled, and temporary cold mix asphalt paving will be placed at the end of each workday. Street sweeping will be performed daily to keep streets clean. Permanent base paving will be placed on a weekly basis to reduce the amount of time temporary cold mix trench patch remains in place and provide a cleaner, better travel surface for the residents, as well as limit the possibility of storm water pollution.

5.1.3 Plan for Operation of Facility During Construction

The existing water mains will be cut and plugged at connection points to take them out of service during replacement. Cut and plugs and construction phasing has been checked to ensure an adequate water supply for each neighborhood that the cut and plugged mains serve. Prior to cut & plugging the existing water main, temporary highline will be placed, tested, and water services will be transferred to ensure no interruption to water during replacement of the new water main.

5.1.4 Plan for Phasing of Construction Activities

The water main replacement identified in the RFP is in three isolated locations. The water main replacement will be phased in a manner to minimize disruption in the community and maintaining fire code and testing limits on new water main installation. We have identified the need to have 5 separate phases of water main installation for this project.

5.1.5 General Plan for Functional Testing and Start Up

KTA will coordinate with the City test lab for compaction and materials testing as required for contract compliance. New water mains shall be disinfected and tested in accordance with AWWA C651 and State Health Department requirements. The City will perform a chlorine residual test prior to flushing and a bacteriological test after flushing. No main shall be placed in service until the result of the bacteriological tests are announced as satisfactory. Shutdowns for reconnection of the new water mains to the existing water mains will be scheduled with Water Operations. After passing required pressure tests, disinfection and bacterial testing, new mains will be placed back into services by reconnecting existing mains as soon as shutdowns can be scheduled with water operations.



5.1.6 Proposed Safety Program

A site specific health and safety plan will be developed for this project. The health and safety plan will take into account not only worker safety but safety of the public, residents, pedestrians, bicycle riders, and automobile traffic. The site specific plan will include public notification of construction operations to alert residents that construction materials and equipment will be in the area. Notifying underground service alert for utility mark out is another important safety step that is taken before construction begins.

Once crews are onsite the plan will include provisions for proper traffic control and warning signs, trench safety and shoring, coordination with schools, education of workers of site-specific hazards such as underground and overhead utilities, traffic, and providing safe pedestrian paths around the work areas.

Our onsite safety supervisor has the authority to stop and make corrections to any operation that he deems unsafe. All of our workers are trained in job site safety and recognizing safe and unsafe situations. All of our workers are encouraged to speak up if they see something unsafe. Our safety program is built around the idea that a safe jobsite is an efficient job site. The current WCRB for KTA is a 0.66.



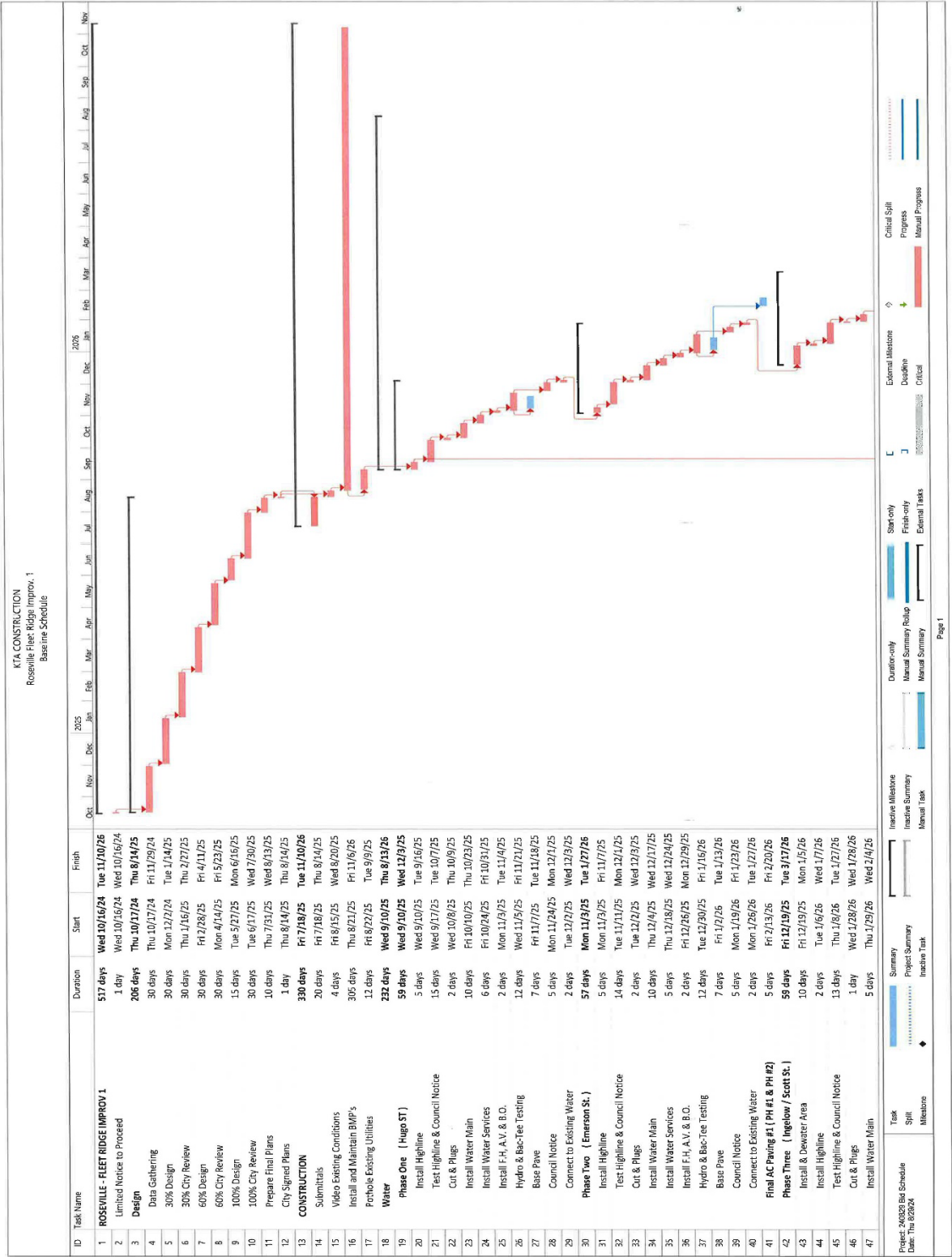
5.1.7 Proposed Emergency Response Plan

Medical emergencies will be handled in accordance with the Site-Specific Health & Safety Emergency Medical Plan. The Emergency Medical Plan provides documentation regarding emergency services including the closest hospital, fire and police services.

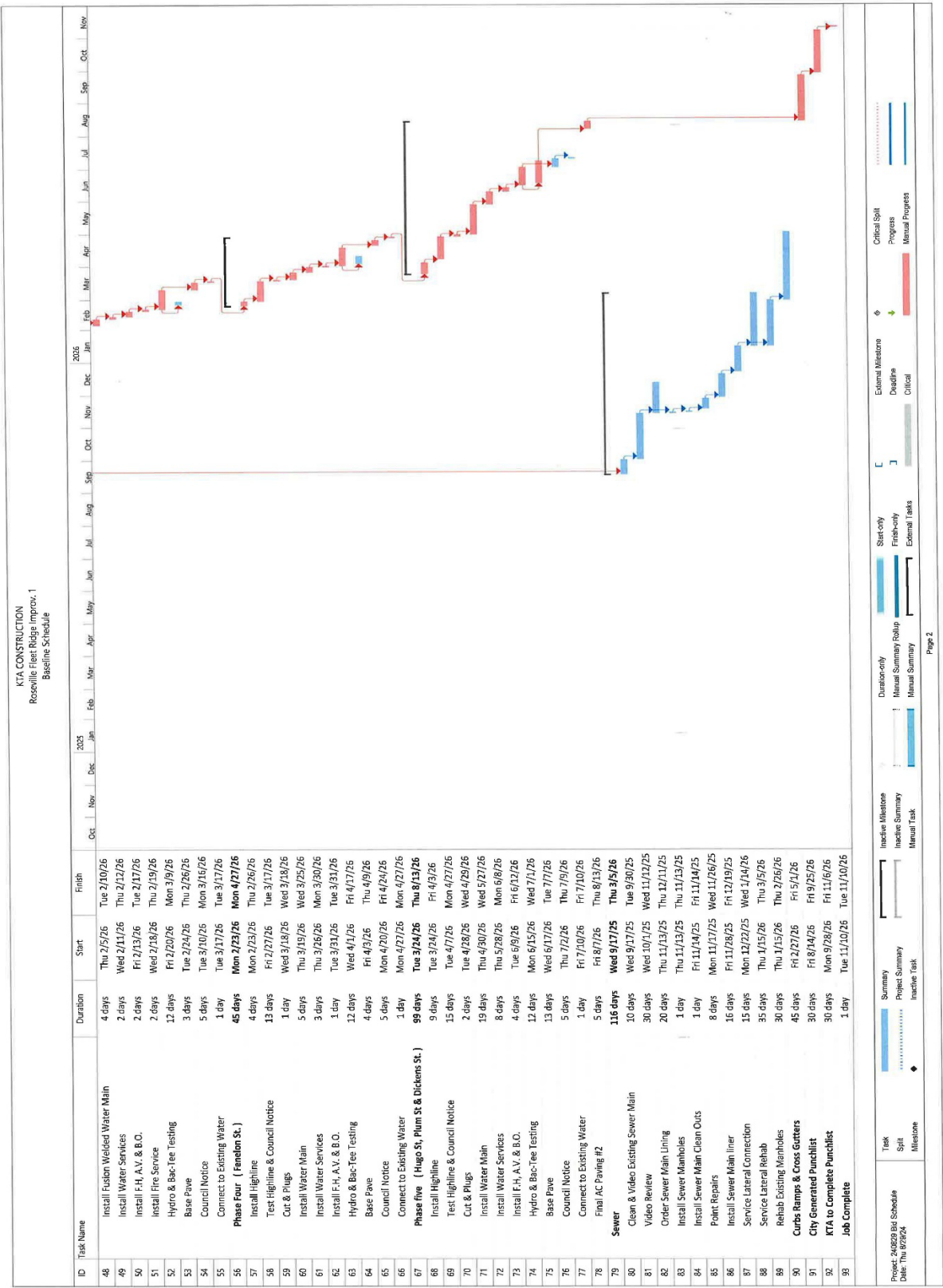
A site-specific Emergency Response Plan will be developed for this project. At a minimum the plan will include the following:

- In the case of a broken waterline, the job site supervisors will call the Water Utilities Emergency Number and inform them of the break so that repairs can be made. Action will also be taken to protect property from any water damage.
- Any emergency related to a broken gas line or downed power line requires a call to 911 and SDG&E. Job site supervisors are all trained to deal with these types of emergencies and will have a phone list with all necessary phone numbers.
- Key personnel phone numbers for 24-hour access will be provided to the City in case of an after-hours emergency.
- In case of a sewage spill, KTA will call the Sewage Spill Hotline number and the list of City representatives provided to us at the pre-construction meeting. Emergency numbers for KTA's primary and secondary contacts will be provided to the City. These people will be available at all times to respond immediately to any sewer spill event. We will take immediate action to contain the spill and protect downstream inlets to storm drains or water bodies.
- Emergency pumping and cleanup equipment and supplies will be available 24 hours a day, seven days a week while the work is in progress.

5.1.8 Proposed Construction Schedule



5.1.8 Proposed Construction Schedule



5.1.9 Traffic Control Management

Shop Drawings will be required for the entire project. KTA will work with the Traffic Control Engineer to develop traffic plans that are safe, in compliance with City requirements and allow the work to be done in an efficient manner. Special attention will be directed to streets that impact schools, recreation centers, and businesses.

These drawings will be prepared by our traffic control vendor Hudson Safe-T-Lite. In all areas of the project, we will keep driveway closures to a minimum and always provide advance notice to residents if their driveway needs to be closed. Trench plates are used to allow access if necessary. Safe pedestrian routes through the work area and street crossing will be maintained at all times. All travel lanes will be open to traffic during non-working hours. Properly installed traffic control to limit traffic delays will minimize inconvenience to the traveling public. These roads also contain bus stops. We regularly work with the MTS to relocate or provide special instructions and traffic control to maintain bus service at all times. Keeping these streets well swept, clean and trenches paved smooth will be high priority.



5.1.10 Community Impact/Outreach

The KTA/Two Rivers team will provide effective public information and respond to public concerns by utilizing the services of Two Rivers as the exclusive Community Liaison. Two Rivers is managing Community Liaison services for multiple City of San Diego pipeline replacement projects.

As a member of the KTA/Two Rivers team, Two Rivers will build relations between the Design-Builder and the community by implementing the WHITEBOOK public information and outreach program requirements.

Two Rivers will work cooperatively with and provide assistance to the City's Public Information Officers through a variety of methods. Also, Two Rivers will creatively integrate the need of the community into the design of the project by gathering valuable information from the community at the community planning group presentations during the design phase. We will follow up with presentations during the construction phase.

Within 10 working days of Notice to Proceed, Two Rivers will prepare a complete Community Relations Plan. The Community Relations Plan will include a listing of major stakeholders along the alignment which are expected to be impacted by the construction and proposed mitigation measures to lessen construction impacts. The plan will also specifically identify the lines of communication with the KTA/Two Rivers team.

A. Community Outreach and Public Relations Program

Two Rivers will serve as the exclusive Community Liaison for this project. Two Rivers has served as the exclusive Community Liaison for several projects including: Sewer and AC Water Group 1032, Clairemont Mesa West Improv 1, Sewer & AC Water 812, La Media Improvement 1, University City Improvement 1, Paving 2302 and more than a dozen other projects for the city. Two Rivers' work is distinguished by putting boots on the ground following the NTP in order to be proactive in messaging and establishing trusted relationships.

Two Rivers will adhere to the Whitebook requirements for Community Liaison, to implement and carry out the public information and outreach program.

Two Rivers' outreach effort will begin with the development of a Community Relations Plan for the City to review within 30 days of the Notice to Proceed. The plan will identify communication flow between the City, Design-Builder and the Community Liaison. Key stakeholders, key messages, and methods of outreach will be described in detail.

Roseville-Fleet Ridge impacts the Point Loma neighborhood in City Council District 2. We will present to the **Point Loma Association** and the **Midway Pacific Highway Planning Group** on the project design prior to the start of construction.

Two Rivers will provide effective information through fact sheets, map boards and other project-oriented materials for these community presentations. In addition, Two Rivers will proactively collect email addresses at every public interaction in order to build an email list of stakeholders. This email collection effort will be augmented by a link to sign up for project updates on the City's Capital Improvement Projects home webpage. Two Rivers will provide project updates by email via the City's Constant Contact email account. The City uses Constant Contact because it is the only email service that can provide audio reading of the transcript for the blind. In addition, the City's PIO has granted Two Rivers permission to submit project updates to the PIO for posting on the City's Nextdoor social media account.

Two Rivers will also work with the City Council Community Representatives for District 2 to utilize their social media channels to provide accurate, important project schedule information.

As the Community Liaison, Two Rivers will field questions by phone or email from the public and respond within one business day. All public calls and emails will be logged and entered on a spreadsheet that the project team will receive every two weeks including a detailed report of Community Liaison activities.

Two Rivers will also provide effective outreach to schools that are either within 500 feet of a designated work area, or where traffic flow to/from a school might be impeded by construction.

We have identified the following schools to be contacted: Dana Middle School.

B. Construction Mitigation Plan on Local Businesses and Residents

Our Community Liaison will meet face-to-face with the manager of each business to explain the project and garner their email and phone contact information. Having their contact information in hand will be valuable when it comes time to inform the businesses about water shutoff, traffic rerouting and/or night work. Steps will be taken to minimize water outages to these businesses. Any necessary outages will be scheduled to provide the least possible disturbance or inconvenience to the businesses and their customers.

Two Rivers' experience shows that early face-to-face introductions and trading of contact information goes a long way to providing trusted communication with business owners or business center managers. This will allow us to learn their concerns. The information they provide will help the project team develop a work schedule that will allow for the construction to be completed on time and on budget and will have minimum impact on businesses.

- There are several small businesses located in various strip malls in the project area, including corridors along Rosecrans.
- For home-based businesses, they will receive the outreach outlined in section 9.1

For residents, please refer to section 9.4 where mitigation plan for residents is addressed

C. Coordination with property Owners for Work Within Easements

The RFP states there will be a need to secure the proper "Work on Private Property" agreements. Two Rivers has extensive experience in securing these agreements via face-to-face interaction with resident-owners and via US Postal Service for non-resident owners, their addresses will be researched through the County Recorder's property tax records.

D. Staging Area and Project Cleanup

KTA's plan for equipment and material staging during construction includes securing a vacant lot in the project area to be used for storing large equipment and temporary storage of materials for use on the project. Some equipment will be parked along the project on side streets where it is safe to do so. Any equipment parked alongside the project will be moved as the work progresses. Staging areas will be kept clean and orderly. Trash will be kept in proper containers and hauled off on a regular basis. Equipment parked on the streets will be marked with traffic control devices and proper BMP's with drip pans will be used.

The project work areas will be swept at the completion of each shift. Any dirt or debris that is spilled in active traffic lanes will be cleaned up immediately. There are no moratoriums associated with this project, however this is a long duration project. Job site cleanliness and paving trenches to provide a good safe roadway will be paramount to project success.

E. Residence and Visitors

Two Rivers will assist the KTA team in keeping the community stakeholders, including residents and visitors, informed regarding the progress and impact of the project. Two Rivers will communicate with members of the community and integrate the information into the Community Relations Plan.

Additionally, Two Rivers will communicate with MTS regarding impacts to bus lines. It is KTA's practice on all our projects to relocate bus stops, if necessary, so that bus riders will always have access to buses.

Outreach materials to the community will include door hanger notices no later than five days before the start of each phase of construction to properties within 300 feet of the construction zone. Two Rivers will also notify water customers of a scheduled shutoff no later than 72 hours in advance via door hanger notices.

Update: VSC visited the project area to document impacted key stakeholders:

- Residents
- City of San Diego
- Mayor Todd Gloria
- City Councilmember Jennifer Campbell
- San Diego Unified School District
- Metropolitan Transit System
- San Diego Fire-Rescue Department
- David Wells Field
- Point Loma Association
- Midway Pacific Highway Planning Group

Area Schools

- Dana Middle School
1775 Chatsworth Blvd
Traditional school calendar

Community Groups

Point Loma Association
Midway Pacific Highway Planning group

Public Transportation

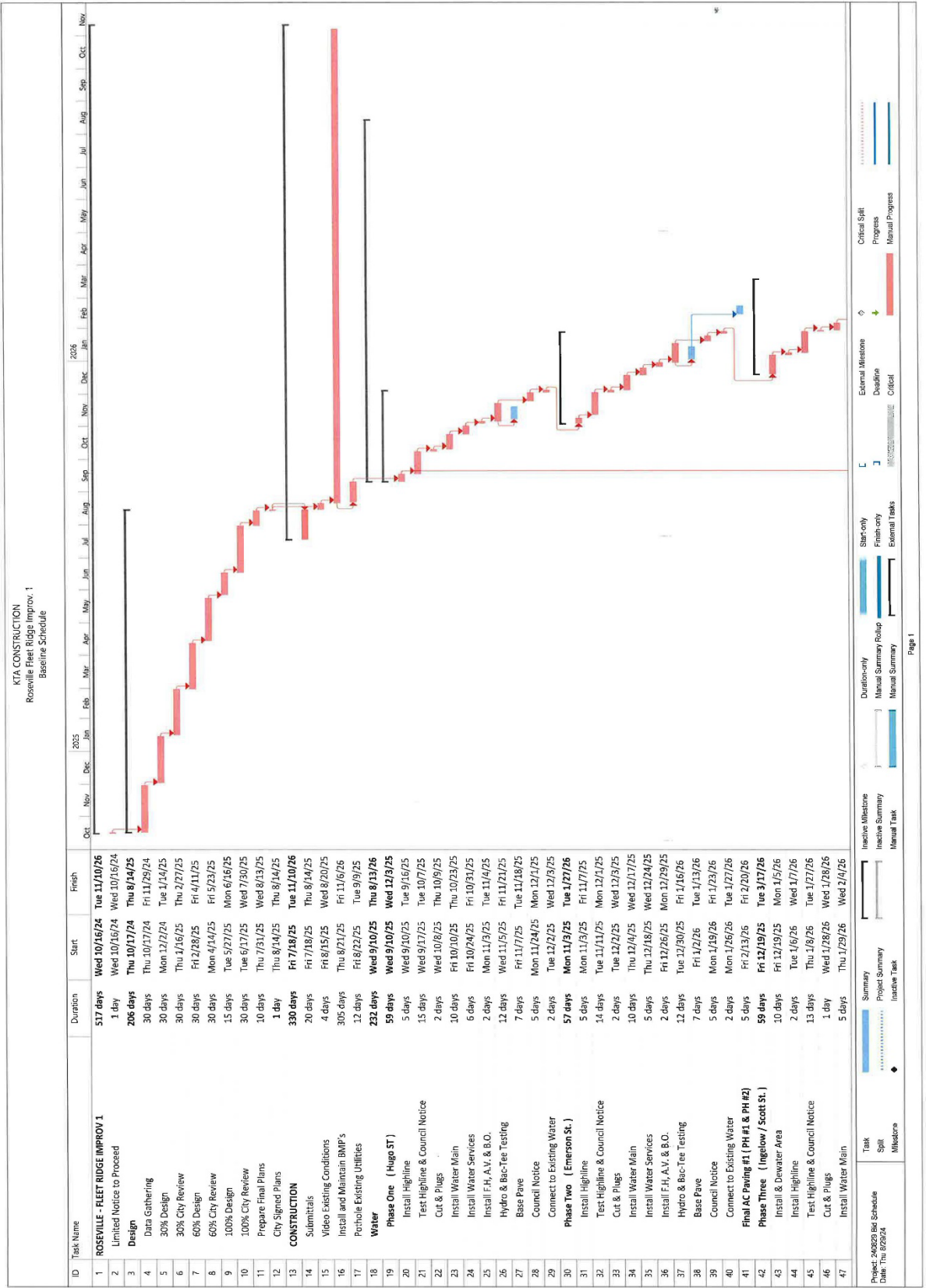
- MTS operates Route 28 in the project area
 - There are stops on Rosecrans, Garrison and Carlton

Public Safety

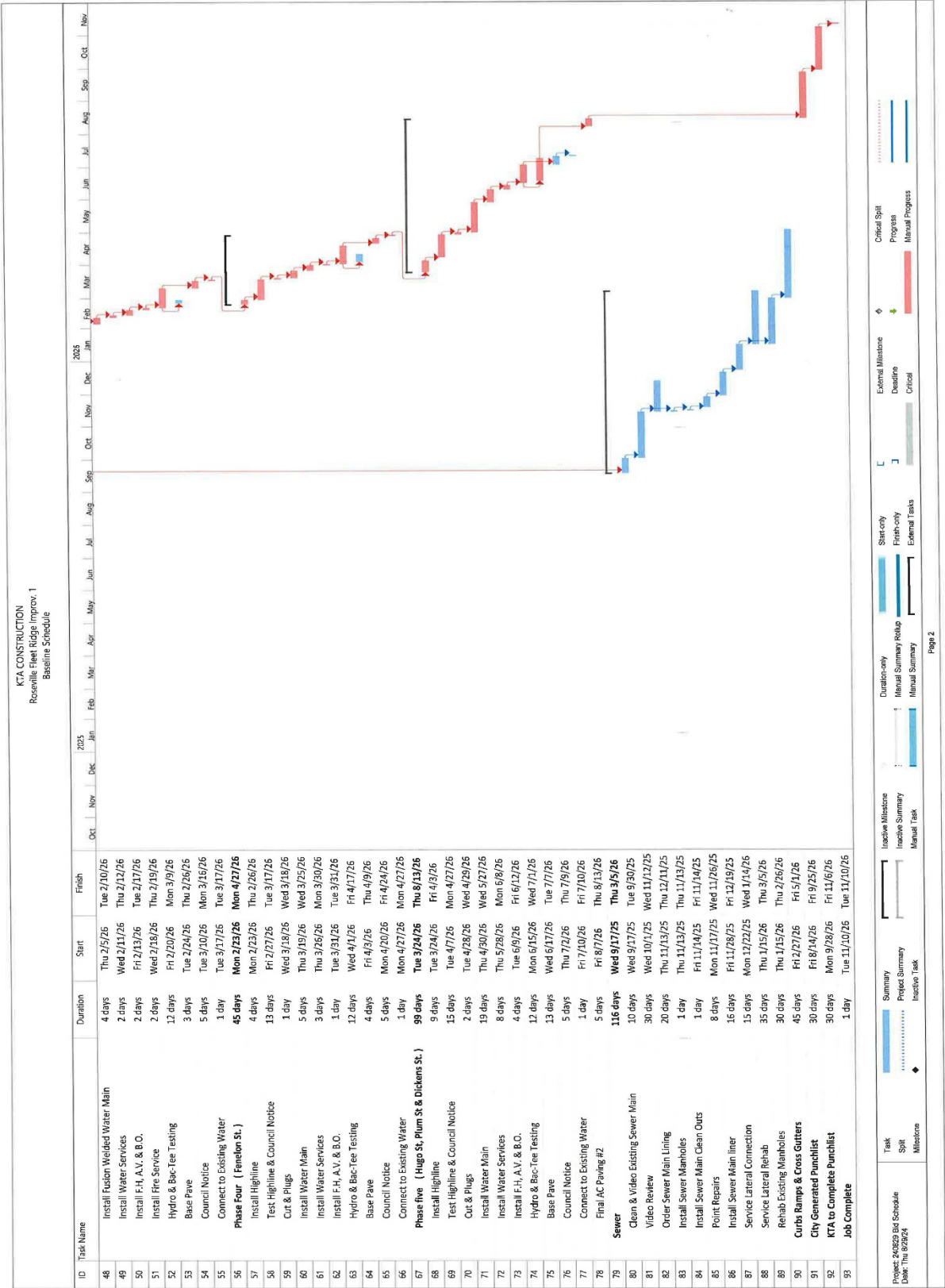
- This project area is covered by San Diego Fire-Rescue Station 22
 - We spoke with Chief Gaboury, Operations Battalion Chief for the City's Fire and Rescue Department. He requested we provide street closure or detour information so he can forward to the captains at Station 22 - there are multiple shifts at the station and he can email each Captain directly.

- We also corresponded with Nick Price, the Operations Manager of City of San Diego's private ambulance provider, so their operations can also be aware of work in the area.

5.1.11 Critical Path Schedule



5.1.11 Critical Path Schedule



TECHNICAL PROPOSAL

5.1.12 Describe Cost Savings Measures

As outlined in KTA's schedule, we intend to accelerate the project. If approved by the City, KTA and our subcontractors will coordinate to expedite completion, which will help reduce costs for the City. Given that the project spans multiple independent areas, we can deploy multiple crews to work simultaneously with minimal additional disruption.

Additionally, KTA prides itself on partnering closely with the City in all aspects of the project, including handling unforeseen issues. Our goal is to minimize surprises, but if any do arise, we are committed to working collaboratively with the City to resolve them. This partnership ultimately helps save both KTA and the City significant time and money.

6. EOCP Documentation

Meeting/Exceeding SLBE/ELBE/DVBE Goals

The mandatory minimum subcontractor participation percentages for this RFP are as follows:

SERVICE	SLBE	ELBE	SUBCONTRACTING REQUIREMENT
Design and Construction Services	8.5%	13.8%	22.3%

We have selected the following firms to assist our team:

DESIGN SERVICES

- Allied Geotechnical (SLBE)

CONSTRUCTION SERVICES

- Two Rivers Strategies, Inc. (ELBE)
- Hudson Safe-T-Lite (SLBE)
- Loveless & Linton Consulting (SLBE)
- McGrath Consulting (ELBE)
- J&S Asphalt (SLBE)
- Easy Flow, LLC (SLBE)
- Soclaris Contracting (SLBE)
- YBS Construction Engineering (SLBE)



Outreach Efforts

The KTA and Nasland Team will exceed our SLBE/ELBE/DVBE goals for this project. As shown in our subcontractor list, we have committed to a minimum of **25.4%** participation for SLBE/ELBE subcontractors. Additionally, if the alternate work is also awarded the SLBE/ELBE participation percentage will increase even more.



**EQUAL OPPORTUNITY CONTRACTING (EOC)**

1200 Third Avenue, Suite 200 • San Diego, CA 92101

Phone: (619) 236-6000 • Fax: (619) 236-5904

WORK FORCE REPORT

The objective of the *Equal Employment Opportunity Outreach Program*, San Diego Municipal Code Sections 22.3501 through 22.3517, is to ensure that contractors doing business with the City, or receiving funds from the City, do not engage in unlawful discriminatory employment practices prohibited by State and Federal law. Such employment practices include, but are not limited to unlawful discrimination in the following: employment, promotion or upgrading, demotion or transfer, recruitment or recruitment advertising, layoff or termination, rate of pay or other forms of compensation, and selection for training, including apprenticeship. Contractors are required to provide a completed *Work Force Report (WFR)*.

NO OTHER FORMS WILL BE ACCEPTED**CONTRACTOR IDENTIFICATION**

Type of Contractor: ☒ Construction ☐ Vendor/Supplier ☐ Financial Institution ☐ Lessee/Lessor
☐ Consultant ☐ Grant Recipient ☐ Insurance Company ☐ Other

Name of Company: KTA Construction Inc

ADA/DBA: _____

Address (Corporate Headquarters, where applicable): 821 Tavern Rd.City: Alpine County: San Diego State: CA Zip: 91901Telephone Number: 619.562.9464 Fax Number: 619.562.1685Name of Company CEO: Paul (Mike) Henderson

Address(es), phone and fax number(s) of company facilities located in San Diego County (if different from above):

Address: Same

City: _____ County: _____ State: _____ Zip: _____

Telephone Number: _____ Fax Number: _____ Email: Mike@ktaconstruction.comType of Business: General Contractor Type of License: AThe Company has appointed: Mike Henderson

As its Equal Employment Opportunity Officer (EEOO). The EEOO has been given authority to establish, disseminate and enforce equal employment and affirmative action policies of this company. The EEOO may be contacted at:

Address: Same

Telephone Number: _____ Fax Number: _____ Email: _____

☒ One San Diego County (or Most Local County) Work Force - Mandatory☐ Branch Work Force *☐ Managing Office Work Force

Check the box above that applies to this WFR.

*Submit a separate Work Force Report for all participating branches. Combine WFRs if more than one branch per county.

I, the undersigned representative of KTA Construction, Inc.

(Firm Name)

San Diego, CA hereby certify that information provided

(County)

(State)

herein is true and correct. This document was executed on this 29th day of August, 2024

(Authorized Signature)

(Print Authorized Signature Name)

WORK FORCE REPORT – Page 2

NAME OF FIRM: KTA Construction Inc

DATE: 08/29/2024

OFFICE(S) or BRANCH(ES): Alpine

COUNTY: San Diego

INSTRUCTIONS: For each occupational category, indicate number of males and females in every ethnic group. Total columns in row provided. Sum of all totals should be equal to your total work force. Include all those employed by your company on either a full or part-time basis. The following groups are to be included in ethnic categories listed in columns below:

- | | |
|--------------------------------------|---|
| (1) Black or African-American | (5) Native Hawaiian or Pacific Islander |
| (2) Hispanic or Latino | (6) White |
| (3) Asian | (7) Other race/ethnicity; not falling into other groups |
| (4) American Indian or Alaska Native | |

Definitions of the race and ethnicity categories can be found on Page 4

ADMINISTRATION OCCUPATIONAL CATEGORY	(1) Black or African American		(2) Hispanic or Latino		(3) Asian		(4) American Indian/ Nat. Alaskan		(5) Pacific Islander		(6) White		(7) Other Race/ Ethnicity	
	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)
Management & Financial	1										2			
Professional														
A&E, Science, Computer														
Technical														
Sales											1	1		
Administrative Support												7		
Services														
Crafts											2			
Operative Workers														
Transportation			1								3			
Laborers*														

*Construction laborers and other field employees are not to be included on this page

Totals Each Column	1		1								8	8		
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Grand Total All Employees **18**

Indicate by Gender and Ethnicity the Number of Above Employees Who Are Disabled:

Disabled														
----------	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Non-Profit Organizations Only:

Board of Directors														
Volunteers														
Artists														

WORK FORCE REPORT – Page 3

NAME OF FIRM: KTA Construction Inc

DATE: 08/29/2024

OFFICE(S) or BRANCH(ES): Alpine

COUNTY: San Diego

INSTRUCTIONS: For each occupational category, indicate number of males and females in every ethnic group. Total columns in row provided. Sum of all totals should be equal to your total work force. Include all those employed by your company on either a full or part-time basis. The following groups are to be included in ethnic categories listed in columns below:

- | | |
|--------------------------------------|---|
| (1) Black or African-American | (5) Native Hawaiian or Pacific Islander |
| (2) Hispanic or Latino | (6) White |
| (3) Asian | (7) Other race/ethnicity; not falling into other groups |
| (4) American Indian or Alaska Native | |

Definitions of the race and ethnicity categories can be found on Page 4

TRADE OCCUPATIONAL CATEGORY	(1) Black or African American		(2) Hispanic or Latino		(3) Asian		(4) American Indian/ Nat. Alaskan		(5) Pacific Islander		(6) White		(7) Other Race/ Ethnicity	
	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)
Brick, Block or Stone Masons														
Carpenters														
Carpet, Floor & Tile Installers Finishers														
Cement Masons, Concrete Finishers														
Construction Laborers	1		8								8			
Drywall Installers, Ceiling Tile Inst														
Electricians														
Elevator Installers														
First-Line Supervisors/Managers			5								3			
Glaziers														
Helpers; Construction Trade														
Millwrights														
Misc. Const. Equipment Operators			4								6			
Painters, Const. & Maintenance														
Pipelayers, Plumbers, Pipe & Steam Fitters			4								3			
Plasterers & Stucco Masons														
Roofers														
Security Guards & Surveillance Officers														
Sheet Metal Workers														
Structural Metal Fabricators & Fitters														
Welding, Soldering & Brazing Workers														
Workers, Extractive Crafts, Miners														

Totals Each Column	1		21								20			
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Grand Total All Employees

42

Indicate By Gender and Ethnicity the Number of Above Employees Who Are Disabled:

Disabled														
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7. Reference Checks

Project Name – Pipeline Rehabilitation AS-1

Project Contact – Roberto Vejar-Parra, 619-495-9936, rvejarparra@sandiego.gov

Project Description – The project included rehabilitation of 31,483 LF of 8-Inch sewer main with trenchless technology. Additionally, we replaced/installed new 9 each manholes, 27 each end of line cleanouts, performed 74 each point repairs, and CIPP lined 727 each laterals, which all received new cleanouts. This project was in the City Heights Community of San Diego.

Project Name – Rolando Improv 1

Project Contact – Neda Shahrara, 619-665-7447, nshahrara@sandiego.gov

Project Description – The project included replacement of 6,557 LF of 8-Inch and 12-Inch water main including water services, fire hydrants, and other appurtenances. This project was in the Rolando Community of San Diego.

Project Name – Mountain View Accelerated

Project Contact – Nabil Batta, 619-990-5772, nbatta@sandiego.gov

Project Description – The project included replacement of 1,902 LF of 12-Inch water main including water services, fire hydrants, and other appurtenances. Additionally, 597 LF of sewer main, with manholes and sewer laterals was replaced as well. This project was in the Mountain View Community of San Diego.

Project Name – Sewer and AC Water Group 794

Project Contact – Alex Sleiman, 619-944-1941, asleiman@sandiego.gov

Project Description – The project included replacement of 3,762 LF of 8-Inch water main including water services, fire hydrants, and other appurtenances. Additionally, 12,683 LF of sewer main, with manholes and sewer laterals was replaced. This project also had approximately 2,025 LF of sewer main rehabilitated as well. This project was in the Grant Hill Community of San Diego.