

# City of San Diego

ORIGINAL



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R. Owen/A.Jaro/Lad

## REQUEST FOR PROPOSAL

**TC Construction Co., Inc.**

**10540 Prospect Avenue**

**Santee, CA 92071**



## FOR

**MACC TASK NUMBER: 02**

**Sewer & AC Water Group 778**

RFQ NO.:	1293
PROPOSAL NO.:	K-16-1371-MAC-3
SAP NO. (WBS/IO/CC):	B-00388 / B-15069
CLIENT DEPARTMENT:	2112
COUNCIL DISTRICT:	4
PROJECT TYPE:	JA / KB

### THIS TASK IS SUBJECT TO THE FOLLOWING:

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

### PROPOSALS DUE:

**12:00 NOON**

**APRIL 26, 2016**

**CITY OF SAN DIEGO**

**PUBLIC WORKS CONTRACTS**

**1010 SECOND AVENUE, 14<sup>th</sup> FLOOR, MS 614C**

**SAN DIEGO, CA 92101**

**ATTN: CONTRACT SPECIALIST**

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## REQUEST FOR PROPOSAL

### 1. INTRODUCTION

- 1.1. This is the City of San Diego's (City) second step in the two-step solicitation process to acquire Design-Build services for the **Sewer & AC Water Group 778 Design-Build project**.
- 1.2. Pursuant to the City's Request for Qualifications (RFQ) 1293, this RFP is being issued exclusively to the previously selected firms who have each been awarded a Multiple Award Construction Contract (MACC) with the City:
  - 1.2.1. CASS Construction.
  - 1.2.2. El Cajon Grading & Engineering Company, Inc.
  - 1.2.3. Orion Construction Corp./Balboa Construction, Inc. J.V.
  - 1.2.4. TC Construction Company.
- 1.3. All MACC awardees are to submit a responsive good-faith Proposal for this Task Order. Failure to do so may result in the City's rescinding the award of the MACC contract. MACC awardees who fail to submit Proposals twice in twelve month period may have their MACC contract rescinded and be ineligible to submit future proposals.
- 1.4. Failure to submit all requested information in accordance with the requirements of the RFP may be cause for disqualification.

2. **SUMMARY OF WORK:** The proposed scope of work includes the replacement and installation of approximately 26,040 LF (4.93 miles) of existing 6-in, 8-in, 10-in, 12-in vitrified clay (VC) sewer main with 8-in, 10-in and 12-in polyvinyl chloride (PVC) sewer main; rehabilitation of approximately 1,481 LF (.28 mile) of 10-in, 12-in and 15-in vitrified clay (VC) sewer mains; re-plumb approximately 159 sewer laterals to the new sewer mains in the right of way; replacement and installation of approximately 26,861 LF (5.10 miles) of existing 6-in, 8-in and 12-in asbestos cement (AC) water mains with 8-in and 12-in Polyvinyl Chloride (PVC) water mains relocation and placement of approximately 135 new water meters, water services, fire services, fire hydrants and all other works and appurtenances; abandonment of approximately 8,400 LF of 6-inch and 8-inch of easement sewer mains and 8,130 LF of sewer mains in the right of way and its associated manholes; abandonment of approximately 11,850 LF of existing 6-in and 8-in asbestos concrete (AC) water mains and other water facilities. Also includes the installation of curb ramps in compliance with ADA requirements, continental crosswalk, curb and gutters, traffic control and the restoration of the impacted streets.

For additional information refer to Attachment A.

3. **PROPOSAL DUE DATE AND TIME ARE: APRIL 26, 2016, at 12 NOON.**
4. **ESTIMATED PROJECT COST:** The City's estimated cost for this project is \$18,000,000.
5. **CONTRACT PERIOD:** Project shall be completed within **900 Working Days** from the Notice to Proceed (NTP).
6. **PREVAILING WAGE RATES APPLY TO THIS CONTRACT:** Refer to Attachment D.
7. **PHASED FUNDING:** For Phased Funding Conditions, see Attachment B.
8. **CONTRACTOR LICENSE AND PREQUALIFICATION STATUS:**
  - 8.1. The Design-Builder must possess a **Class A** or **Class 34** California State Contractor's license.
  - 8.2. The Design-Builder must be prequalified up to the total amount proposed, including any alternates or options, at the time of submission of the proposal.
  - 8.3. The Design-Builder's California State License and City of San Diego prequalification status as specified in the RFQ must be valid at time of submission.
9. **SELECTION AND AWARD SCHEDULE:**
  - 9.1. 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:

9.1.1. Pre-Proposal Meeting	APRIL 07, 2016
9.1.2. Proposal Due Date	APRIL 26, 2016
9.1.3. Selection and Notification	MAY 19, 2016
9.1.4. Limited Notice to Proceed	JUNE 1, 2016
10. **PRE-PROPOSAL MEETING AND SITE VISIT:**
  - 10.1. Those wishing to submit a Proposal are **required** to attend the Pre-Bid Meeting. The purpose of the meeting is to discuss the scope of the Project, submittal requirements, the pre-qualification process and any Equal Opportunity Contracting Program requirements and reporting procedures. To request a sign language or oral interpreter for this visit, call the Public Works Contracts Division at (619) 533-3450 at least 5 Working Days prior to



the meeting to ensure availability. **Failure to attend the Mandatory Pre-Bid Meeting shall result in the Design-Builder's Proposal being deemed non-responsive.** The Pre-Bid meeting is scheduled as follows:

**Date:** April 7, 2016  
**Time:** At 10:00 AM  
**Location:** Executive Complex - 1010 Second Avenue, Suite 1400, San Diego, CA 92101

Attendance at the Pre-Submittal Meeting will be evidenced by the Design-Builder's representative's signature on the attendance roster. It is the responsibility of the Design-Builder's representative to complete and sign the attendance roster.

**Design-Builders may not be admitted after the specified start time of the mandatory Pre-Bid Meeting.**

**10.2. Pre-Proposal Site Visit**

**10.2.1.** No Pre-Proposal Site visit is scheduled for the Work. The Design Builders may request access to the site, if needed to complete their proposal, by calling the Public Works Contracts at (619) 533-3450 at least 2 Days prior to the date requested for access.

**11. EQUAL OPPORTUNITY CONTRACTING**

**11.1.** All Equal Opportunity Contracting (EOC) information provided by the Design-Builder and requirements set forth in the RFQ shall apply to the RFP process. The Design-Builder shall review the information, data, and documentation provided in the Design-Builder's SOQ and changes shall be clearly identified in the Proposal; otherwise the information, as previously submitted, will be deemed complete and accurate.

**11.2.** The mandatory minimum subcontractor participation percentages for this RFP are as follows:

SERVICES	SLBE	ELBE	DVBE	Subcontracting Requirement <sup>1</sup>
<b>Design Services</b>	4.70%	7.50%	1.60 %	<b>13.80 %</b>
<b>Construction Services</b>	5.70%	16.60%	4.00%	<b>26.30 %</b>

Notes:

1. Subcontracting Requirement is the percentage of the individual contract elements i.e., Design Services or Construction Services.

**11.3.** The Design-Builder shall submit subcontractor participation percentages that are not less than the specified subcontracting requirements.

- 11.4. The required subcontracting percentages apply to 1st tier Subcontractors only.
- 11.5. For the purpose of achieving the proposed subcontractor participation percentage, Allowance Proposal Items will not be included in the calculation. The Design-Builder may not substitute DVBE for SLBE/ELBE or SLBE/ELBE for DVBE. Subcontracting percentages for design and construction may not be substituted for one another.
- 11.6. The Proposal shall be deemed non-responsive if the Subcontractor and Supplier listings submitted and enclosed with the Price Proposal fail to meet the above minimum required subcontracting participation levels.

## INSTRUCTIONS TO PROPOSERS AND GENERAL CONDITIONS

### 1. PREQUALIFICATION OF CONTRACTORS:

- 1.1. Contractors submitting proposals must be pre-qualified for the total amount proposed, inclusive of all alternate items or specified Task Order limits prior to the date of submittal. Proposals from contractors who have not been pre-qualified as applicable and Proposals that exceed the maximum dollar amount at which contractors are pre-qualified may be deemed **non-responsive** and ineligible for award. Complete information and links to the on-line prequalification application are available at:

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

- 1.2. The completed application must be submitted online no later than 2 weeks prior to the Proposal due date. For additional information or the answer to questions about the prequalification program, contact David Stucky at 619-533-3474 or [dstucky@sandiego.gov](mailto:dstucky@sandiego.gov).
- 1.3. Due to the City's fiduciary requirement to safeguard vendor data, 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<sup>TM</sup>.

### 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: <http://www.sandiego.gov/cip/bidopps/index.shtml> and are due by the date, and time shown on the cover of this solicitation.

- 2.1. **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.

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. 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 Public Works 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.
- 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. CONTRACTOR REGISTRATION AND ELECTRONIC REPORTING SYSTEM:**

  - 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:  
  
<http://www.sandiego.gov/purchasing/bids-contracts/vendorreg.shtml>.
  - 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.
  - 5.3.** 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.
  - 5.4.** The City may retain progress payments if the non-registered Design-Builder, subcontractors, or Suppliers fail to register, or if the EOCP reporting is delinquent or inadequate.
- 6. JOINT VENTURE CONTRACTORS: Provide a copy of the Joint Venture agreement and the Joint Venture license to the City within 10 Working Days after receiving the Contract forms. See 2-1.1.2, "Joint Venture Contractors" in The WHITEBOOK for**

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

- 6.2. 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.
- 6.3. 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. 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.
- 6.4. 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.
- 6.5. 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).
- 6.6. 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.

## 7. EQUAL OPPORTUNITY CONTRACTING

- 7.1. 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.
- 7.2. 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.

**7.3. Design-Builder's Work Force**

7.3.1. 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.

7.3.2. 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 included in The WHITEBOOK.

7.3.3. 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/index.shtml>

**7.4. Nondiscrimination Ordinance (Municipal Code §§ 22.2701-22.2708)**

7.4.1. The Design-Builder shall not discriminate on the basis of race, gender, religion, national origin, ethnicity, sexual orientation, age or disability in the solicitation, selection, hiring or treatment of 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.

7.4.2. This language shall be in contracts between the Design-Builder and any Subcontractors and Suppliers.

7.4.3. 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.

**8. CONTRACTOR'S LICENSE CLASSIFICATION AND PRE-QUALIFICATION STATUS**

8.1. The Design-Builder's California State License and City of San Diego prequalification status as specified herein must be valid at time of submission. Failure to comply with these requirements may result in the proposal being deemed non responsive and ineligible for further consideration.

8.2. Design-Builders interested in submitting a proposal for this Project shall be pre-qualified through the City's Prequalification program:

- 8.2.1.** The Design-Builders must submit a complete prequalification application online to the Public Works Contracts, Prequalification Program no later than 2 weeks prior to **the Proposal due date and time**. Complete information and links to the online prequalification application are available at:

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

- 8.2.2.** For additional information or the answer to questions about the prequalification program, contact David Stucky at 619-533-3474 or [dstucky@sandiego.gov](mailto:dstucky@sandiego.gov).

- 8.2.3.** Due to the City's fiduciary requirement to safeguard vendor data, 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™.

## **9. PRE-PROPOSAL ACTIVITIES**

### **9.1. Submission of Questions**

- 9.1.1.** The Director (or designee) of the Public Works 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:

Public Works Contracts  
1010 Second Avenue, 14<sup>th</sup> Floor  
San Diego, California, 92101  
Attention: Contract Specialist listed on the front cover of this RFP.

OR:

To the Email address of the Contract Specialist listed on the front cover of this RFP.

- 9.1.2.** Questions received less than 14 Days prior to the Proposal due date may not be considered.
- 9.1.3.** 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.
- 9.1.4.** 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.



**9.2. 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.

**10. EXAMINATION OF PLANS, SPECIFICATIONS, AND SITE OF WORK**

**10.1.** 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 Public Works Contracts.

**10.2.** 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.

**11. 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

**12. 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.

**13. 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 Sections 2-4, "CONTRACT BONDS," 7-3, "LIABILITY INSURANCE," and 7-4, "WORKERS' COMPENSATION INSURANCE" of the City's standard specifications for public works constructions unless specified otherwise in the Contract Documents.

**14. 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 are received on time by the City's eBidding system. The City of San Diego is not responsible for bids that do not arrive by the required date and time.

**14.1. 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.

**14.1.1.** 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<sup>1/2</sup>" 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.

**14.1.2.** 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.

**14.1.3.** 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.

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

#### **14.2. PRICE PROPOSAL REQUIREMENTS**

14.2.1. 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.

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

14.2.3. 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.

14.2.4. 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.

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

#### **15. SELECTION CRITERIA AND SCORING**

15.1. 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.

15.2. Proposals will be ranked according to the selection criteria set forth in Attachment G.

15.3. The Panel will review all proposals received. Interviews or presentations will be conducted as needed in accordance with Attachment G.

15.4. 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.

15.5. 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 calculation of subcontractor participation.

#### **16. AWARD**

16.1. 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.

16.2. 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.

- 16.3. 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.

## 17. **ADDITIONAL POLICIES, PROCEDURES, TERMS AND CONDITIONS**

- 17.1. 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.
- 17.2. **Protests.** A Design-Builder may protest the award of the Contract to another Design-Builder in accordance with San Diego Municipal Code.
- 17.3. **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.
- 17.4. **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.
- 17.5. **Submittal of "Or Equal" Items.** See 4-1.6, "Trade Names or Equals" in the SSP and as modified by the Scope of Work ATTACHMENT A.
- 17.6. **Subcontract Limitations.** The Design-Builder's attention is directed to Standard Specification for Public Works Construction, Section 2-3, "SUBCONTRACTS" 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.
- 17.7. **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.
- 17.8. **City Standard Provisions.** The work resulting from this RFP is subject to the following standard provisions. See The WHITEBOOK for details.
  - 17.8.1. The City of San Diego Resolution No. R-277952 adopted on May 20, 1991 for a Drug-Free Workplace.
  - 17.8.2. The City of San Diego Resolution No. R-282153 adopted on June 14, 1993 related to the Americans with Disabilities Act.

- 17.8.3. The City of San Diego Municipal Code §22.3004 for Pledge of Compliance.
- 17.8.4. The City of San Diego’s Labor Compliance Program and the State of California Labor Code §§1771.5(b) and 1776.
- 17.8.5. 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.
- 17.8.6. The City’s Equal Benefits Ordinance (EBO), Chapter 2, Article 2, Division 43 of The San Diego Municipal Code (SDMC).
- 17.8.7. The City’s Information Security Policy (ISP) as defined in the City’s Administrative Regulation 90.63.

17.9. **Prevailing Wage Rates Apply:** Refer to Attachment D.

17.10. **Reference Standards:**

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

Title	Edition	Document Number
Standard Specifications for Public Works Construction (“The GREENBOOK”) - <a href="http://www.greenbookspecs.org/">http://www.greenbookspecs.org/</a>	2015	PWPI070116-01
City of San Diego Standard Specifications for Public Works Construction (“The WHITEBOOK”)*	2015	PWPI070116-02
City of San Diego Standard Drawings*	2016	PWPI070116-03
Caltrans Standard Specifications	2010	PITS070112-04
Caltrans Standard Plans	2010	PITS070112-05
California MUTCD	2012	PITS070112-06
City Standard Drawings - Updates Approved For Use (when specified)*	Varies	Varies
Standard Federal Equal Employment Opportunity Construction Contract Specifications and the Equal Opportunity Clause Dated 09-11-84	1984	769023
NOTE: *Available online under Engineering Documents and References at: <a href="http://www.sandiego.gov/publicworks/edocref/index.shtml">http://www.sandiego.gov/publicworks/edocref/index.shtml</a>		

# ATTACHMENTS

**ATTACHMENT A**  
**PROJECT DESCRIPTION, SCOPE OF WORK, AND TECHNICAL**  
**SPECIFICATIONS**  
**(BRIDGING DOCUMENTS)**

## ATTACHMENT A

### PROJECT DESCRIPTION, SCOPE OF WORK, AND TECHNICAL SPECIFICATIONS (BRIDGING DOCUMENTS)

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## ATTACHMENT A

### PROJECT DESCRIPTION, SCOPE OF WORK, AND TECHNICAL SPECIFICATIONS (BRIDGING DOCUMENTS)

#### PUBLIC WORKS DEPARTMENT

1. **Project Description:** The proposed scope of work includes the replacement and installation of approximately 26,040 LF (4.93 miles) of existing 6-in, 8-in, 10-in, 12-in vitrified clay (VC) sewer main with 8-in, 10-in and 12-in polyvinyl chloride (PVC) sewer main; rehabilitation of approximately 1,481 LF (.28 mile) of 10-in, 12-in and 15-in vitrified clay (VC) sewer mains; re-plumb approximately 159 sewer laterals to the new sewer mains in the right of way; replacement and installation of approximately 26,861 LF (5.10 miles) of existing 6-in, 8-in and 12-in asbestos cement (AC) water mains with 8-in and 12-in Polyvinyl Chloride (PVC) water mains relocation and placement of approximately 135 new water meters, water services, fire services, fire hydrants and all other works and appurtenances; abandonment of approximately 8,400 LF of 6-inch and 8-inch of easement sewer mains and 8,130 LF of sewer mains in the right of way and its associated manholes; abandonment of approximately 11,850 LF of existing 6-in and 8-in asbestos concrete (AC) water mains and other water facilities. Also includes the installation of curb ramps in compliance with ADA requirements, continental crosswalk, curb and gutters, traffic control and the restoration of the impacted streets.
  
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, as-built research, and additional design survey services including physical and aerial surveys if needed for the completion of design work;
  - 2.7.2. Preparing & 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;
  - 2.7.4. Construction of water mains and appurtenances including all high-lining, cut and plug and cut ins;
  - 2.7.5. Monitoring for potential of any hazardous materials and coordination with local resource agencies;
  - 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, paving, AC overlay or Slurry Seal for all streets, storm water permitting and compliance;
  - 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 MicroStation 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, "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.

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. See The WHITEBOOK, Part 1, General Provisions (C), subsection 2-6.6.

- 3.1.2. Submittal Review and Approval. The City will review each submittal within 20 Working Days of receipt. See The WHITEBOOK, Part 1, General Provisions (A), subsection 2-5.3.1.

- 3.1.3. Construction inspection, administration, and material testing

- 3.1.4. Construction Survey.

- 3.1.5. Plan checking fees.

- 3.1.6. One-time orientation on the use of the Public Works Department's GIS and other databases that the City makes available to the Design-Builder.

- 3.1.7. Easement Acquisition, including right-of-way drawing.

- 3.1.8. Permit fees (not including Caltrans).

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 Right-of-Way Design 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. Sample set of construction plans for a typical Project. The Design-Builder shall use the sample as minimum guidelines for the format and contents of Plans.

4.1.4. City's QA/QC checklists.

4.1.5. Access to Public Works Department's on-line as-built drawings and available design survey information where available.

4.1.6. Traffic Control development process.

**5. Review of the Design-Builder's Design Submittals:**

5.1. The Design-Builder shall allocate 20 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 Access database or 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. Community input is important. 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 during the early 30% design and 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;

7.1.2. one copy of each of the still-log photos bound in a three-ring binder; and

- 7.1.3. 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 included as part of Bridging Documents.

- 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 of sewer & water main replacement, 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, physical and aerial surveys, 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 an air pollution control plan, a noise abatement plan, 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. . No design survey is provided by the City for this project.

13.2. The Design-Builder shall perform all additional physical and aerial surveys as needed to prepare the construction plans and as-built drawings in accordance with the City standards.

13.3. Construction survey will be performed by the City with prior arrangement. The Design-Builder shall coordinate with the Engineer.

**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 studies and reviews performed by City's Development Services Department [DSD] which are 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 WPCP requirements.

**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.



**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 City'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, trench resurfacing shall comply with SDG-107.

**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. Review of Contract Documents and Field Conditions:**

- 20.1. 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.

**21. Local Conditions:**

- 21.1. 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:
  - 21.1.1. Conditions bearing on transportation, disposal, handling, and storage of materials;
  - 21.1.2. The availability of labor, materials, water, power, and roads;
  - 21.1.3. Weather conditions;
  - 21.1.4. Physical conditions at the Project Site;
  - 21.1.5. The surface conditions of the ground; and
  - 21.1.6. The character of equipment and facilities needed prior to and during the performance of the Work.

**22. Access to the Work:**

22.1. 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.

**23. Supervision:**

23.1. 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.

**24. Authorization to Proceed:**

24.1. Following each design review, the Design-Builder shall meet with the Engineer to:

24.1.1. Discuss the comments and responses, and to resolve all open issues and disagreements;

24.1.2. Confirm the next level of design development; and

24.1.3. Obtain written authorization to proceed with the next design level; and

24.1.4. Obtain written authorization to proceed with construction.

**25. Design Calculations:**

25.1. 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

**26. Plan Checks - at major completion levels, Design:**

26.1. The Design-Builder shall submit written estimates of plan checks required to complete the Project. In the written estimates, the Design-Builder shall:

26.1.1. 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.

26.1.2. 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.

**27. Shop Drawings, Material Submittals and Samples:**

27.1. The Design-Builder, as the Engineer of Record, shall review and approve Shop Drawings, Material Submittals and Samples prior to procurement.

27.2. The Design-Builder shall determine and verify all of the following prior to procurement:

27.2.1. Field measurements, quantities, dimensions, specified performance criteria, installation requirements, materials, catalog numbers, and similar information with respect thereto.

27.2.2. Products with respect to intended use, fabrication, shipping, handling, storage, assembly, and installation pertaining to the performance of the Work.

27.2.3. 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.

27.3. 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.

27.4. 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.

27.5. 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.

**27.6.** 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.

**27.6.1.** 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.

**27.6.2.** City's review and acceptance of a separate item as such shall not indicate approval of the assembly in which the item functions.

**27.6.3.** 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.

**27.7.** 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:

**27.7.1.** 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

**27.7.2.** City has specifically accepted in writing, either on the Shop Drawing or accompanying the Sample or Material Submittal each such variation.

**27.8.** 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.

**27.9.** Shop Drawing Submittal Procedures:

**27.9.1.** The Design-Builder shall submit 3 copies of each approved Shop Drawing to the Engineer for QA/QC purposes.

**27.9.2.** 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.

- 27.9.3. 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.
- 27.9.4. 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 No's:
Reference Spec Section No's:

- 27.9.5. The Engineer will return at least one copy of each submittal with City's written comments to the Design-Builder within 20 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.
- 27.9.6. 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.

**27.9.7.** 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.

**27.9.8. 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.

**27.9.9. 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.
- 27.9.10.** 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.
- 27.9.11.** If The Design-Builder receives the prior written approval of the Engineer, the Design- Builder may submit Shop Drawings and Samples during the design process beginning at the 60 percent design level. The Design-Builder shall request such early submittal by submitting a RFI. The Design-Builder shall conform to all other requirements and procedures regarding Shop Drawings and Samples.

**28. Design Development:**

- 28.1. 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, 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.
- 28.2. 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.



- 28.3.** 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.
- 28.4.** The Design-Builder shall submit the Final Design documents to the Engineer. In addition to the deliverables specified in subsection 30.7 the Final Design documents shall also include but not be limited to:
- 28.4.1.** 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.
- 28.4.2.** Two complete electronic file sets of all final drawings on CD-Rewritable (RW) recordable disks in Bentley MicroStation Version V8 SE format.
- 28.4.3.** One, 8½-inch by 11-inch, final specifications, including all charts, graphs, tables, data sheets, and similar inserts required for a complete and approved copy suitable for Xerox reproduction.
- 28.4.4.** Two complete electronic file sets of the final specifications in MS Word processing software format.
- 28.4.5.** 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.
- 28.4.6.** 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.
- 28.4.7.** Other reports and documents as may be required by City.
- 28.5.** 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.

- 28.6.** In coordination with Traffic Section of Construction Management and Field Services, 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 shall 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.
  - 28.6.1.** After the alignment of a Project is finalized, the Design-Builder shall meet with the Traffic Plan Check Supervisor to determine which sections of the roadway, if any, will require engineered traffic control plans and which sections can be adequately addressed using working drawings developed by the Design-Builder prior to construction.
  - 28.6.2.** The Design-Builder shall prepare a preliminary traffic control approach for City's review and approval prior to preparation of traffic control plans.
  - 28.6.3.** The Design-Builder shall complete and update a Traffic Control Plan Information Sheet available from the City.
  - 28.6.4.** The Design-Builder shall include Typical Cross Sections on traffic control plans identifying the construction work areas if required by Traffic Engineering.
  - 28.6.5.** The Design-Builder shall address and include in the traffic control plans and specifications coordination of traffic control among adjacent Projects during construction.
  - 28.6.6.** The Design-Builder shall obtain approval for traffic control plans.
- 28.7.** The Design-Builder shall provide designs for the relocation of public or private utilities which will be constructed or relocated as a result of the Project.
- 28.8.** The Design-Builder's design shall comply with the ADA and Title 24. The Design-Builder shall complete and submit an ADA Compliance Review Checklist available from the City.
- 28.9.** The Design-Builder shall prepare a construction quantity takeoff at 60%, 100% and Final submittals.
- 28.10.** The Design-Builder shall revise plans and specifications to incorporate comments received from the City, City-wide plan check and from the permitting agencies.

29. **Storm Water Management Discharge Control – See Section 10 in Attachment E-Supplementary Special Provisions.**

30. **Design Submittals:**

30.1. 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.

30.2. 30 percent design Submittal – The 30% design submittal shall include but not be limited to:

30.2.1. Designs for construction of new facilities and for refurbishment and demolition of existing facilities.

30.2.2. Incorporation of the information contained in the Bridging Documents.

30.2.3. Reviewed preliminary calculations and hydraulic calculations.

30.2.4. 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.
- 30.3.** 60 percent design Submittal - The 60 percent design submittal shall include but not be limited to:
- 30.3.1. Designs for construction of new facilities and for refurbishment and demolition of existing facilities.
  - 30.3.2. Updated and incorporated information and comments from the 30 percent design submittal.
  - 30.3.3. Completed and reviewed calculations, hydraulic calculations, calculations for horizontal and vertical control for pipeline alignment, and backfill and bedding design.
  - 30.3.4. Location of construction staging areas (if applicable).
  - 30.3.5. A written list of permits required for the Project, identifying all permitting agencies and authorities having jurisdiction.
- 30.4.** Drawings that shall include at a minimum:
- 30.4.1. Updated plan and profile sheets for the sewer and water improvements, and construction details and notes.
  - 30.4.2. Identification of both special and standard details.
  - 30.4.3. A complete list of construction drawings on cover sheet.
  - 30.4.4. Definition of the construction method to be used for pipe installation.
  - 30.4.5. A complete site plan including construction lay down areas, site grading, and erosion control, if applicable.
  - 30.4.6. Other drawings such as paving, curb ramps, abandonment plans and traffic control plans as applicable.
  - 30.4.7. 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.
  - 30.4.8. List of special conditions, if any.
  - 30.4.9. Quantity take-off per plan sheet.

- 30.4.10.** A complete draft of specifications in The GREENBOOK format including:
1. Table of contents.
  2. The Design-Build Special Provisions.
- 30.5.** 100 percent design Submittal - The 100 percent design submittal shall include but not be limited to:
- 30.5.1.** Designs for construction of new facilities, and refurbishment and demolition of existing facilities.
  - 30.5.2.** Updated and incorporated information and comments from the 60 percent design submittal.
  - 30.5.3.** Completed, reviewed, and bound calculations and hydraulic calculations.
  - 30.5.4.** Updates to geotechnical report, if any.
  - 30.5.5.** Permit applications as necessary.
  - 30.5.6.** Completed specifications in Green-book format.
  - 30.5.7.** Quantity take-off.
  - 30.5.8.** Drawings in all disciplines, including final and traffic control Plans approved by City, if any.
  - 30.5.9.** A current written list of permits including environmental permits and revised MND required for the Project, identifying all permitting agencies and authorities having jurisdiction, and status and copies of permit approvals.
- 30.6.** **Final Design Submittal** - The Design-Builder shall submit a pre-Final Design to the Engineer, which shall include but not be limited to:
- 30.6.1.** Updated and incorporated information and comments from the 100 percent design Submittal.
  - 30.6.2.** Comments from permitting agencies, including a log of comments and responses.
  - 30.6.3.** A current written list of permits including environmental permits and revised MND required for the Project, identifying all permitting agencies and authorities having jurisdiction, and status and copies of permit approvals.
  - 30.6.4.** 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 shall 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.

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

**30.7. Design Submittal Deliverables:**

**30.7.1.** The Design City Engineer in the form of 6 copies of the specifications, 6 sets of half sized (11-inch x 17-inch) drawing prints, and 14 sets of full sized (24-inch x 36-inch) drawing prints.

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.

**30.7.2.** The Design-Builder shall deliver the pre-Final Design to the Engineer in the form of 6 copies of the specifications and 14 sets of half sized (11-inch x 17-inch) drawing prints.

**30.7.3.** The Design-Builder shall submit all drawings in Bentley MicroStation V8 SE format per 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. 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.

**30.7.4.** 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. Six, 8½-inch by 11-inch copies of the final specifications, including all charts, graphs, tables, data sheets, and similar inserts required for a complete and approved copy suitable for Xerox reproduction.
3. Two complete electronic file sets of the final specifications.
4. Two complete electronic file sets of the final drawings on CD-RW.
5. Six complete and approved 8½-inch by 11-inch copies of the final construction cost estimate.
6. Two complete electronic files of the final construction quantity takeoffs and cost estimate.
7. Six complete sets 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.
8. Other documents as required elsewhere in this Scope or required by the Engineer.
9. The Design-Builder shall use the following table as a minimum guide for preparation of the design drawings:

<b>30% Submittal</b>	
<b>Title Block:</b>	Drawing Number Title WBS Number
<b>General:</b>	North Arrow Scale
<b>Existing Plan:</b>	Ownership Lines Water Services and appurtenances Sewer Laterals and appurtenances Electric Lines, Boxes and Services

	<p>Telco Lines, Boxes and Services</p> <p>Street Center Line</p> <p>Fire Services</p> <p>Lot Lines</p> <p>Right of Way Lines</p> <p>Street Names</p> <p>Stationing</p> <p>Trolley Tracks</p>
<b>30% Submittal</b>	
<b>Existing Profile:</b>	<p>Existing Water Mains</p> <p>Horizontal and Vertical Scale</p> <p>Elevation Scales</p> <p>Existing Grades / Existing Pavement</p> <p>Existing Utility Crossings with Elevations</p> <p>Street Names</p>
<b>60% Submittal</b>	
<b>Title Block:</b>	Street Names and Limits
<b>General:</b>	Cover Sheet – Limits of Work
<b>Proposed Plan:</b>	<p>Dimensioning</p> <p>Addresses</p> <p>Stationing</p> <p>Plugs and Dead End Details</p> <p>Pipe Sizes and Lengths</p> <p>Sewer</p> <p>Laterals</p> <p>Manholes</p>
<b>Proposed Profile:</b>	<p>Stationing</p> <p>Pipe Size and Lengths</p>
<b>Sewer:</b>	Manhole with Inverts
<b>Final Submittal (100%)</b>	
<b>Title Block:</b>	<p>Lambert Coordinates</p> <p>Designer's / Drafter's Name</p> <p>Number of Street</p>
<b>General:</b>	<p>Street Name (RT Margin)</p> <p>Proposed Pipe Data Table</p>



	Proposed Coordinate Table Construction Notes Details Reference Data Retirement Data
<b>Proposed Plan:</b>	Special Plan Notes Subdivision Name Subdivision Map Number Block Numbers Street Closures Caution Call-outs Split-Property
<b>Final Submittal (100%)</b>	
<b>Proposed Profile:</b>	Special Profile Notes Traffic Control Plans
<b>Additional Sheets</b>	Applicable to 30%, 60% and Final (100%) Resurfacing Alignment Sheet BMP, Storm Drain Inlet Protection Plan Curb Ramp Sheet(s) Abandonment Plan Miscellaneous Details

30.8. The Design-Builder shall use MS Word format for all word processing.

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

**31. Community Relations and Public Outreach Program:**

31.1. The Design-Builder shall provide the necessary public information and outreach program for the Project. This program shall have a Public Information Officer (PIO) who will serve as the community liaison. Refer to The WHITEBOOK, section 7-16. The PIO shall work closely with the Communication Department's PIO section in the implementation of the public information and outreach program standards.

31.2. 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.

- 31.3.** 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.
- 31.4.** The Key stakeholders are identified as the public and the City of San Diego, San Diego Unified School District, and the Encanto Neighborhood Southeastern Community Planning Association . The Design-Builder shall coordinate all activity and Right of Entry permit with the proper school representative and residents.
- 31.5.** The Community Relations Plan shall include the following scope and services but not limited to:
- 31.5.1.** 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.
  - 31.5.2.** A method for construction notification in advance of the start of work.
  - 31.5.3.** 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.
  - 31.5.4.** Develop written list of follow-up information requested from the community.
  - 31.5.5.** Respond to telephone calls and e-mails. Standard telephone service and e-mail responses. Record calls and e-mails on electronic tracking form.
  - 31.5.6.** 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.
  - 31.5.7.** Create and maintain online Project webpage and newsletters.
  - 31.5.8.** Write, edit, update and/or produce brochures, pamphlets and news releases.
  - 31.5.9.** Attend progress meeting and provide status of community relations activities.
  - 31.5.10.** 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.

31.5.11. 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.

**32. Quality Assurance and Control:**

32.1. 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 33 – Quality Assurance / Quality Control Guidelines.

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

32.1.2. 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.

32.1.3. 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.

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

**33. Quality Assurance / Quality Control Guidelines:**

**33.1. General.**

33.1.1. 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.

33.1.2. 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.

33.1.3. 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.

- 33.1.4. 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 Public Works 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.
- 33.1.5. 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.
- 33.1.6. 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.
- 33.1.7. 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.

### **33.2. QA/QC During Design.**

- 33.2.1. This section describes the mandatory QA/QC Plan philosophies and procedures that the Design-Builder shall follow during design of the Project.
- 33.2.2. 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.
- 33.2.3. The Design-Builder shall include in its Proposal all costs necessary to meet this requirement.
- 33.2.4. 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.

### **33.3. QA/QC Plan:**

**33.3.1. 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.

**33.3.2. 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.

**33.3.3. 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 Section 33.3.8 Review and Comment Form, below.

**33.3.4. 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:

#### **33.3.5. 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.
- 33.3.6. 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 32.3.8 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.
- 33.3.7. 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.
- 33.3.8. 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.

33.3.9. 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.

**33.4. QA/QC During Construction.**

33.4.1. 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.

33.4.2. 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.

33.4.3. 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.

**33.4.4. 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.

#### **33.4.5. 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.

#### **33.4.6. 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.

**33.4.7. 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.

**33.4.8. 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.

**33.4.9. 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.

**33.4.10. Sample City QA/QC Checklists:**

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

**34. Noise Abatement and Control:**

- 34.1. 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.
- 34.2. 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.
- 34.3. 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.

**35. Project Meetings:**

- 35.1. 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.

- 35.2. 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.

- 35.3. 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 30 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.
- 35.4. 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.
- 35.5. 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.

**36. Red-lines:**

- 36.1. The Design-Builder shall be responsible for Red-lines as described in Section 2-5.4 Red-lines and Record Documents.

- 36.2. 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 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.
- 36.3. Prior to Final Completion, the Design-Builder shall also submit:
- 36.3.1. Five complete full-sized sets of blueprint or copies of the final As-Built's.
- 36.3.2. Two complete electronic file sets of the final As-Built's on CDs (typical) prepared in the V8 version of Bentley MicroStation Version SE CADD software in accordance with City's CADD Guideline.

37. **Record Keeping:**

- 37.1. 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.
- 37.2. 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.
- 37.3. 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.
- 37.4. 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.

**38. Required Test/Material Certificates:**

38.1. 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.

**39. Traffic Control:**

39.1. 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.

**40. Reference Standards:**

40.1. 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.

**41. Design Guidelines:**

41.1. Americans with Disabilities Act (ADA) I Americans with Disabilities Act Accessibility Guidelines (ADAAG).

41.2. American Water Works Association (AWWA).

41.3. California Building Code as adopted by the City of San Diego\*.

41.4. California Code of Regulations, Title 24.

41.5. City of San Diego Approved Materials List (AML) as approved by the Water (<http://www.sandiego.gov/water/cip/guidelines.shtml>) and Metropolitan Wastewater Departments <http://www.sandiego.gov/mwwd/business/sewer.shtml>.

41.6. City of San Diego Computer Aided Design and Drafting (CADD), <http://www.sandiego.gov/publicworks/edocref/drawings.shtml>.

41.7. City of San Diego Landscape Technical Manual.

41.8. City of San Diego's Manual of Preparation of Land Development and Public Improvement plans.

<http://www.sandiego.gov/development-services/industry/landdevcode/landdevmanual.shtml>

- 41.9. City of San Diego Street Design Manual.  
<http://www.sandiego.gov/publicworks/pdf/edocref/streetdesignmanual02.pdf>
- 41.10. City of San Diego Technical Guidelines for Geotechnical Reports,  
<http://www.sandiego.gov/development-services/pdf/industry/geoguidelines.pdf>
- 41.11. City of San Diego, Water Department Guidelines and Standards Books 1 through 7 <http://www.sandiego.gov/water/cip/guidelines.shtml>
- 41.12. County of San Diego Code of Regulations.
- 41.13. National Electric Code (NBC) as adopted by the City of San Diego.\*
- 41.14. State of California Health and Safety Code.
- 41.15. Uniform Fire Code (UFC) as adopted by the City of San Diego.\*
- 41.16. Uniform Mechanical Code (UMC) as adopted by the City of San Diego.\*
- 41.17. Uniform Plumbing Code (UPC) as adopted by the City of San Diego.\*
- 41.18. Construction Planning & Scheduling Manual by AGC of America.
- 41.19. 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.
- 41.20. City of San Diego Municipal Code:  
  
<http://www.sandiego.gov/city-clerk/officialdocs/legisdocs/muni.shtml>
- 41.21. State Historic Preservation Act.
- 41.22. Storm Water Standards Manual  
<http://www.sandiego.gov/stormwater/regulations/newpermitprog/newdev.shtml>

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

**42. Bridging Documents:**

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

<ftp://ftp.sannet.gov/OUT/WBS%20B00388%20Swr%20&%20AC%20Wtr%20GJ%20778/>

1. Location Map
2. GJ 778 Pre-Design Complete Memo-DRAFT
3. Coordination Map
4. Sewer & AC Water Ortho

5. Water Hydraulic Modeling
6. Machine Count Traffic Volume
7. General\AC Concrete and Slurry Seal Requirements
8. General\Slurry Seal Requirements
9. Preliminary Street Resurfacing Assessment Sheet
10. General\General Requirements for Access Law Design Compliance for Group Job Projects
11. Environmental Document-Final Addendum to Mitigated Negative Declaration No. 255100
12. Form DS-560
13. Civil Design Exhibits - pdf for Reference Only
14. Traffic Control Exhibits - pdf For Reference Only
15. Survey Files
16. As-Builts\ AT&T
17. As-Builts\ SDG&E-Electric
18. As-Builts\ Cox Communications
19. As-Built\Level 3 Communications
20. As-Builts\ Public
21. IMCAT Screenshot
22. Preliminary Engineering Report

**43. Supplemental Requirements:**

- 43.1. 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.
- 43.2. 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 Planning Study and the Preliminary Engineering Report (see bridging documents).
- 43.3. 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.
- 43.4. The Design-Builder shall identify all existing fire services by field inspection, research of City records specifically including the City PUD cross connection



database, and water billing records, and research of as-builts. Design-Builder shall provide all work necessary to reconnect all existing fire services.

- 43.5. Gate valves shall be used for water main up to and including 12" size. Butterfly valves shall be used on 16" or larger water mains which shall have a bypass installed for transmission mains only Valves shall be size on size to match fittings and reducers shall not be used to provide reduced size valves in lieu of this.
- 43.6. Five (5) feet of cover is required for all 16" transmission mains per the City Water Design Guide. Where this is not feasible or cost-effective the Design-Builder shall provide justification including calculations sufficient for the City PUD to allow an exception where appropriate.
- 43.7. 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.
- 43.8. 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.
- 43.9. 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.
- 43.10. 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.
- 43.11. 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.
- 43.12. 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.
- 43.13. 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.

- 43.14. The Design-Builder shall perform all work described in the Preliminary Street Resurfacing Assessment Sheet included in the Bridging Documents to define the paving scope of work.
- 43.15. 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.
- 43.16. 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.
- 43.17. The Design-Builder shall do all work necessary for any required replumbing of sewer laterals including but not limited to preparing replumb agreements in a format acceptable to the City, and obtaining all necessary signatures, notarization, and getting them recorded at the County. Recording fees shall be paid by the Design-Builder.

**ATTACHMENT B**

**PHASED FUNDING PROVISIONS**

## ATTACHMENT B

### PHASED FUNDING PROVISIONS

#### 1. PHASED FUNDING

- 1.1. The selected The Design-Builder will be required to provide a Pre-award Schedule in accordance with sections 9-3 and 6-1 of the Supplementary Special Provisions (SSP) prior to award of Contract.
- 1.2. For phased funded contracts, the City typically secures enough funds for the first 90 Days of the contract prior to award. Within 10 Working Days after announcement of the Apparent Winner, the Design-Builder must contact the Project Manager to discuss fund availability and the duration of the first phase and submit the Pre-Award Schedule to the City for approval and preparation of the first Phased Funding Schedule Agreement.
- 1.3. The Design-Builder will be required to provide a Pre-award Schedule in accordance with 6-1, "CONSTRUCTION SCHEDULE AND COMMENCEMENT OF THE WORK" and 9-3, "PAYMENT" prior to award of Contract.
- 1.4. If the Proposal submitted by the Selected Design-Builder is rejected by the City for any reason, then within 5 Working Days after receiving notice, the subsequent Selected Design-Builder must provide the Pre-Award Schedule. This process will continue until the City has awarded the contract or has decided to reject all Proposals.
- 1.5. The first Phased Funding Schedule Agreement must show the fund availability for the first phase. Within 22 Working Days from the date of the announcement of, or notice to the next Selected Design-Builder (whichever occurs last) and once a Pre-Award Schedule is accepted by the City, the City will present the first Phased Funding Schedule Agreement to you when you are selected as the awarded Design-Builder.
- 1.6. At the City's request, you must meet with the City's Project manager before execution of the first Phased Funding Schedule Agreement to discuss their comments and requests for revision to the Pre-Award Schedule.
- 1.7. Your failure to perform the following may result in the Proposal being rejected as **non-responsive**:
  - 1.7.1. Meet with the City's Project manager, if requested to do so, to discuss and respond to the City's comments regarding the Pre-Award Schedule,
  - 1.7.2. Revise the Pre-Award Schedule as requested by the City within the specified 22 Working Days timeframe, or
  - 1.7.3. Execute the first Phased Funding Schedule Agreement within a Day after receipt.



CITY OF SAN DIEGO

CONTRACTOR

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

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

Name: \_\_\_\_\_

Name: *Austin Cameron* \_\_\_\_\_

Project Manager

Department Name: \_\_\_\_\_

Title: *President* \_\_\_\_\_

Date: \_\_\_\_\_

Date: *5/19/16* \_\_\_\_\_

-END OF PHASED FUNDING SCHEDULE AGREEMENT-

ATTACHMENT C

EQUAL OPPORTUNITY CONTRACTING PROGRAM

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

## EQUAL OPPORTUNITY CONTRACTING PROGRAM REQUIREMENTS

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

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

#### **1. Nondiscrimination in Contracting Ordinance.**

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

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

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

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



violation of the provisions of the Nondiscrimination in Contracting Ordinance. The Contractor further understands and agrees that the procedures, remedies and sanctions provided for in the Nondiscrimination in Contracting Ordinance apply only to violations of the Ordinance.

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

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

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

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

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

4. The Contractor reviews, at least annually, all supervisors' adherence to and performance under the EEO Policy and maintains written documentation of these reviews.
5. The Contractor discusses its EEO Policy Statement with subcontractors with whom it anticipates doing business, includes the EEO Policy Statement in its subcontracts, and provides such documentation to the City upon request.
6. The Contractor documents and maintains a record of all bid solicitations and outreach efforts to and from subcontractors, contractor associations and other business associations.
7. The Contractor disseminates its EEO Policy externally through various media, including the media of people of color and women, in advertisements to recruit, maintains files documenting these efforts, and provides copies of these advertisements to the City upon request.
8. The Contractor disseminates its EEO Policy to union and community organizations.
9. The Contractor provides immediate written notification to the City when any union referral process has impeded the Contractor's efforts to maintain its EEO Policy.
10. The Contractor maintains a current list of recruitment sources, including those outreaching to people of color and women, and provides written notification of employment opportunities to these recruitment sources with a record of the organizations' responses.
11. The Contractor maintains a current file of names, addresses and phone numbers of each walk-in applicant, including people of color and women, and referrals from unions, recruitment sources, or community organizations with a description of the employment action taken.
12. The Contractor encourages all present employees, including people of color and women employees, to recruit others.
13. The Contractor maintains all employment selection process information with records of all tests and other selection criteria.
14. The Contractor develops and maintains documentation for on-the-job training opportunities, participates in training programs, or both for all of its employees, including people of color and women, and establishes apprenticeship, trainee, and upgrade programs relevant to the Contractor's employment needs.

15. The Contractor conducts, at least annually, an inventory and evaluation of all employees for promotional opportunities and encourages all employees to seek and prepare appropriately for such opportunities.
16. The Contractor ensures the company's working environment and activities are non-segregated except for providing separate or single-user toilets and necessary changing facilities to assure privacy between the sexes.

**ATTACHMENT D**  
**PREVAILING WAGES**

## ATTACHMENT D

### PREVAILING WAGES

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.
- 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. For contracts entered into on or after April 1, 2015, Contractor and their subcontractors shall 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 design professionals and subcontractors of \$25 per worker per day for each day the worker works more than 8 hours per day and 40 hours per week in violation of California Labor Code sections 1810 through 1815.
- 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 Equal Opportunity Contracting Department at 619-236-6000.

**1.9. Contractor and Subcontractor Registration Requirements.** This project is subject to compliance monitoring and enforcement by the DIR. As of March 1, 2015, no contractor or subcontractor may be listed on a bid or proposal for a public works project unless registered with the DIR pursuant to Labor Code section 1725.5. As of April 1, 2015, a contractor or subcontractor shall not be qualified to bid on, be listed in a bid proposal, or enter into any contract for public work, unless currently registered and qualified to perform public work pursuant to Labor Code section 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 DIR in compliance with Labor Code sections 1771.1 and 1725.5, and Contractor shall provide proof of registration to the City upon request.

**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.

**ATTACHMENT E**  
**SUPPLEMENTARY SPECIAL PROVISIONS (SSP)**



## **SUPPLEMENTARY SPECIAL PROVISIONS**

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

- 1) The **2015 Edition** of the Standard Specifications for Public Works Construction (The "GREENBOOK") currently in effect.
  - 2) The **2015 Edition** of the City of San Diego Standard Specifications for Public Works Construction (The "WHITEBOOK").
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### **SECTION 1 – TERMS, DEFINITIONS, ABBREVIATIONS, UNITS OF MEASURE, AND SYMBOLS**

- 1-2 **TERMS AND DEFINITIONS.** To the City Supplement, item 54, "Normal Working Hours", ADD the following:

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

### **SECTION 2 – SCOPE AND CONTROL OF WORK**

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

1. You must perform, with your own organization, Contract work amounting to at least 50% of the base bid alone or base bid and any additive or deductive alternate(s) that together when added or deducted form the basis of award.

- 2-9.2 **Survey Service.** DELETE in its entirety and SUBSTITUTE with the following:

2. CMFS shall perform right-of-way staking and construction staking for pedestrian ramps, new construction, and where limits of construction are necessary.

**ADD:**

- 2-9.2.1 **Design Phase Survey Services By The Contractor.**

1. Prior to start of design, you shall submit a letter to the Engineer identifying the Licensed Land Surveyor or the Registered Civil Engineer authorized to practice land surveying within the State of California performing the survey services for the Project.
2. You are responsible for performing and meeting the accuracy of surveying standards adequate for construction through a Licensed Land Surveyor or a Registered Civil Engineer authorized to practice land surveying within the State of California.

3. Surveys performed shall list the basis of bearings as tied to Record of Survey 14492 or equivalent, based on the California Coordinate System of 1983, Zone 6, U.S. Survey foot, epoch 1991.35, along with a completed calibration sheet (blank form will be supplied by City Surveys). The vertical datum used shall be NGVD 29 in accordance with the City of San Diego Vertical Bench Book.

**ADD:**

**2-9.2.2**

**Survey Files.**

1. All Computer Aided Drafting (CAD) work shall be done in accordance with The City of San Diego's Citywide Computer Aided Design and Drafting (CADD) Standards and shall be in City seed files (.job, .txt, .dgn, .alg, .raw, .fwd, .dtm, .pdf, .docx, .xlsx, .tif, and .jpg).
2. All survey files shall be completed in accordance with the City of San Diego's Citywide CADD Standards and shall adhere to City's Microstation level and attribute structure.
3. The survey file deliverable will be either one Master .dgn file containing all xref's in geospatially referenced (and attached) models or one Master dgn with all xref's geospatially referenced (and attached) as dgn files. Resource files will be sent to Contractor if requested.
4. Survey files shall include, but not limited to, the following items:
  - a) Street center line and (record width) right-of-way lines
  - b) Project geometry (.alg) files (this will be generated for use in InRoads)
  - c) 3D surface model (.dtm, break line and spot elevation) file
  - d) Invert elevations for manholes and Inlets.
  - e) Monuments
  - f) Curb lines (top curb and gutter)
  - g) All other appurtenances including but not limited to water valves, meters, vaults, manholes, fire hydrants, utility boxes, cleanouts and poles
5. You shall use the survey information to produce construction drawings and red-lines drawings which shall include the requirements described in the design guidelines and Section 2-5.4 "Red-Lines and Record Documents."

**ADD:**

**2-9.2.3**

**Submittal.**

1. Survey files shall be submitted in accordance with Section 2-5.3 "Submittals" and 2-5.4 "Red-Lines and Record Documents." You shall provide the Survey Files, proposed Drawings and or Red-Line Drawings on a CD/DVD to the Engineer and post the Survey Files, proposed Drawings, and/or Red-Line Drawings at the following website:

<ftp://ftp.sannet.gov/IN/SURVEYS/>

2. After the documents have been posted the website, you shall send a confirmation email, which includes the hyperlink to the website, to the Engineer and [SurveyReview@sandiego.gov](mailto:SurveyReview@sandiego.gov).
3. All survey work and submittals which reveal non-compliance with the requirements of the Construction Documents shall be corrected as deemed necessary by the Engineer and the cost of the corrections to your survey submittals will be at your expense.

**2-9.2.3 Payment.**

1. The payment for survey services Work shall be included in the contract price.

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

2. Other adjacent City projects are scheduled for construction for the same time period in the vicinity of Sewer & AC Water Group 778 Pipeline See Coordination Map from the Bridging Document for approximate location. Additional coordination with future adjacent projects shall be the Design-Builder's responsibility. Coordinate the Work with the adjacent projects as listed below:
  - a) Hilltop Drive UU616 , Mario Reyes (619 -533-7426)
  - b) AC OVERLAY 1601 , Chris Hudson (619-527-8081)
  - c) City Street Lights GF Group 15, Jie Xiao (619-533-5496)

**SECTION 4 - CONTROL OF MATERIALS**

**4-1.3.6 Preapproved Materials.** To the City Supplement, ADD the following:

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

**4-1.6 Trade Names or Equals.** ADD the following:

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

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

**SECTION 5 - UTILITIES**

**5-2 PROTECTION.** To the City Supplement, item 2, ADD the following:

- g) AMI devices shall be protected in place.

## SECTION 6 - PROSECUTION, PROGRESS AND ACCEPTANCE OF WORK

**6-2.1 Moratoriums.** To the City Supplement, ADD the following:

3. Do not Work in the areas where there is currently a moratorium issued by the City. The areas subject to moratorium are listed here:
  - 1) Escuela St-end of moratorium (9-20-16)
  - 2 48<sup>th</sup> St-end of moratorium (6-21-17)
  - 3) Duval St-end of moratorium (6-21-17)
  - 4) 49<sup>th</sup> St- end of moratorium(6-21-17)
  - 5) Carolina Ln-end of moratorium(9-20-16)
  - 6) Lakiba Palmer Av -end of moratorium (7-20-16)
  - 7) Euclid Av-end of moratorium (12-12-18)

**ADD:**

**6-3.2.1.1 Environmental Document.**

1. The City of San Diego Environmental Analysis Section (EAS) of the Development Services Department has prepared a **Final Addendum To Mitigated Negative Declaration No 255100 (AMND) for Sewer & AC Water Group 778**, as referenced in the Contract Appendix. You shall comply with all requirements of the **AMND** as set forth in Appendix A.
2. Compliance with the City's environmental document shall be included in the Contract Price.

**6-7.1 General.** To the City Supplement, item 3, ADD the following:

- d) 30 Days for full depth asphalt final mill and resurfacing work required per SDG-107.
- e) Where shutdowns of 16 inch and larger pipes are required, there is a shutdown moratorium from May until October. Plan and schedule Work accordingly. No additional payment or Working Days will be granted for delays due to the moratorium.

## SECTION 7 - RESPONSIBILITIES OF THE CONTRACTOR

**7-3 LIABILITY INSURANCE.** DELETE in its entirety and SUBSTITUTE with the following:

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

**7-3.1 Policies and Procedures.**

1. You must procure the insurance described below, at its sole cost and expense, to provide coverage against claims for loss including injuries to persons or damage to property, which may arise out of or in connection with the performance of the Work by you, your agents, representatives, officers, employees or Subcontractors.
2. Insurance coverage for property damage resulting from your operations is on a replacement cost valuation. The market value will not be accepted.
3. You shall maintain this insurance for the duration of this Contract and at all times thereafter when you are correcting, removing, or replacing Work in accordance with this Contract. Your liabilities under the Contract, e.g., your indemnity obligations, is not deemed limited to the insurance coverage required by this Contract.
4. The payment for insurance shall be included in the Contract Price as bid by you. Except as specifically agreed to by the City in writing, you are not entitled to any additional payment. Do not begin any Work under this Contract until you have provided and the City has approved all required insurance.
5. Policies of insurance shall provide that the City is entitled to 30 Days (10 Days for cancellation due to non-payment of premium) prior written notice of cancellation or non-renewal of the policy. Maintenance of specified insurance coverage is a material element of the Contract. Your failure to maintain or renew coverage or to provide evidence of renewal during the term of the Contract may be treated by the City as a material breach of the Contract.

**7-3.2 Types of Insurance.**

**7-3.2.1 Commercial General Liability Insurance.**

1. Commercial General Liability Insurance must be written on the current version of the ISO Occurrence form CG 00 01 07 98 or an equivalent form providing coverage at least as broad.
2. The policy shall cover liability arising from premises and operations, XCU (explosions, underground, and collapse), independent contractors, products/completed operations, personal injury and advertising injury, bodily injury, property damage, and liability assumed under an insured's contract (including the tort liability of another assumed in a business contract).

3. There shall be no endorsement or modification limiting the scope of coverage for either “insured vs. insured” claims or contractual liability. You shall maintain the same or equivalent insurance for at least 10 years following completion of the Work.
4. All costs of defense shall be outside the policy limits. Policy coverage shall be in liability limits of not less than the following:

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

**7-3.2.2 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.

**7-3.2.3 Contractors Pollution Liability Insurance.**

1. You shall procure and maintain at your expense or require your Subcontractor, as described below, to procure and maintain the Contractors Pollution Liability Insurance including contractual liability coverage to cover liability arising out of cleanup, removal, storage, or handling of hazardous or toxic chemicals, materials, substances, or any other pollutants by you or any Subcontractor in an amount not less than \$2,000,000 limit for bodily injury and property damage.
2. All costs of defense shall be outside the limits of the policy. Any such insurance provided by your Subcontractor instead of you shall be approved separately in writing by the City.
3. For approval of a substitution of your Subcontractor’s insurance, you shall certify that all activities for which the Contractors Pollution Liability Insurance will provide coverage will be performed exclusively by the Subcontractor providing the insurance. The deductible shall not exceed \$25,000 per claim.
4. Contractual liability shall include coverage of tort liability of another party to pay for bodily injury or property damage to a third person or organization. There shall be no endorsement or modification of the coverage limiting the scope of coverage for either “insured vs. insured” claims or contractual liability.

5. Occurrence based policies shall be procured before the Work commences and shall be maintained for the Contract Time. Claims Made policies shall be procured before the Work commences, shall be maintained for the Contract Time, and shall include a 12 month extended Claims Discovery Period applicable to this contract or the existing policy or policies that shall continue to be maintained for 12 months after the completion of the Work without advancing the retroactive date.
6. Except as provided for under California law, the policy or policies shall provide that the City is entitled to 30 Days prior written notice (10 Days for cancellation due to non-payment of premium) of cancellation or non-renewal of the policy or policies.

**7-3.2.4**

**Contractors Hazardous Transporters Pollution Liability Insurance.** You shall provide at your expense or require your Subcontractor to provide, as described below, Contractors Hazardous Transporters Pollution Liability Insurance including contractual liability coverage to cover liability arising out of transportation of hazardous or toxic, materials, substances, or any other pollutants by you or any Subcontractor in an amount not less than \$2,000,000 limit per occurrence/aggregate for bodily injury and property damage.

1. All costs of defense shall be outside the limits of the policy. The deductible shall not exceed \$25,000 per claim. Any such insurance provided by a subcontractor instead of you shall be approved separately in writing by the City.
2. For approval of the substitution of Subcontractor's insurance the Contractor shall certify that all activities for which Contractors Hazardous Transporters Pollution Liability Insurance will provide coverage will be performed exclusively by the Subcontractor providing the insurance.
3. Contractual liability shall include coverage of tort liability of another party to pay for bodily injury or property damage to a third person or organization. There shall be no endorsement or modification of the coverage limiting the scope of coverage for either "insured vs. insured" claims or contractual liability. Occurrence based policies shall be procured before the Work commences and shall be maintained for the duration of this Contract. 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.
4. Except as provided for under California law, the policy or policies shall provide that the City is entitled to 30 Days prior written notice (10 Days for cancellation due to non-payment of premium) of cancellation or non-renewal of the policy or policies.

**7-3.3 Rating Requirements.** Except for the State Compensation Insurance Fund, all insurance required by this Contract as described herein shall be carried only by responsible insurance companies with a rating of, or equivalent to, at least “A-, VI” by A.M. Best Company, that are authorized by the California Insurance Commissioner to do business in the State, and that have been approved by the City.

**7-3.3.1 Non-Admitted Carriers.** The City will accept insurance provided by non-admitted, “surplus lines” carriers only if the carrier is authorized to do business in the State and is included on the List of Approved Surplus Lines Insurers (LASLI list).

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

**7-3.4 Evidence of Insurance.** Furnish to the City documents e.g., certificates of insurance and endorsements evidencing the insurance required herein, and furnish renewal documentation prior to expiration of this insurance. Each required document shall be signed by the insurer or a person authorized by the insurer to bind coverage on its behalf. We reserve the right to require complete, certified copies of all insurance policies required herein.

**7-3.5 Policy Endorsements.**

**7-3.5.1 Commercial General Liability Insurance.**

**7-3.5.1.1 Additional Insured.**

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



- a) Ongoing operations performed by you or on your behalf,
- b) your products, or
- c) premises owned, leased, controlled, or used by you.

**7-3.5.1.2 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.

**7-3.5.1.3 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.

**7-3.5.2 Commercial Automobile Liability Insurance.**

**7-3.5.2.1 Additional Insured.** Unless the policy or policies of Commercial Auto Liability Insurance are written on an ISO form CA 00 01 12 90 or a later version of this form or equivalent form providing coverage at least as broad, the policy shall be endorsed to include the City and its respective elected officials, officers, employees, agents, and representatives as additional insured, with respect to liability arising out of automobiles owned, leased, hired or borrowed by you or on your behalf. This endorsement is limited to the obligations permitted by California Insurance Code §11580.04.

**7-3.5.3 Contractors Pollution Liability Insurance Endorsements.**

**7-3.5.3.1 Additional Insured.**

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

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

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

**7-3.5.3.2 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.

**7-3.5.3.3 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.

**7-3.5.4 Contractors Hazardous Transporters Pollution Liability Insurance Endorsements.**

**7-3.5.4.1 Additional Insured.**

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

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

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

**7-3.5.4.2 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 must not contribute to it.

**7-3.5.4.3 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.

**7-3.6 Deductibles and Self-Insured Retentions.** You shall pay for all deductibles and self-insured retentions. You shall disclose deductibles and self-insured retentions to the City at the time the evidence of insurance is provided.

**7-3.7 Reservation of Rights.** The City reserves the right, from time to time, to review your insurance coverage, limits, deductibles and self-insured retentions to determine if they are acceptable to the City. The City will reimburse you, without overhead, profit, or any other markup, for the cost of additional premium for any coverage requested by the Engineer but not required by this Contract.

**7-3.8 Notice of Changes to Insurance.** You shall notify the City 30 Days prior to any material change to the policies of insurance provided under this Contract.

7-3.9 **Excess Insurance.** Policies providing excess coverage shall follow the form of the primary policy or policies e.g., all endorsements.

7-3.10 **Architects and Engineers Professional Insurance (Errors and Omissions Insurance).**

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

7-4 **WORKERS' COMPENSATION INSURANCE.** DELETE in its entirety and SUBSTITUTE with the following:

7-4.1 **Workers' Compensation Insurance and Employers Liability Insurance.**

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

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

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

**7-4.1.1 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.

**7-8.1 General.** To the City Supplement, ADD the following:

2. Use a self-loading motorized street sweeper equipped with a functional water spray system for this project.

**7-8.6 Water Pollution Control.** ADD the following:

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

**ADD:**

**7-16.1.3 Weekly Updates Recipients.**

1. Submit a weekly correspondence with updates, traffic control issues and locations, lane closures, and any other pertinent information (with additional contact names given during award process) to the following recipients:

Carl Spier, Senior Engineer, [cspier@sandiego.gov](mailto:cspier@sandiego.gov)

Regan Owen, Project Manager, [rowen@sandiego.gov](mailto:rowen@sandiego.gov)

Raynaldo DeGuzman, Project Engineer, [RDeGuzman@sandiego.gov](mailto:RDeGuzman@sandiego.gov)

Resident Engineer, TBA.

**7-16.3 Exclusive Community Liaison Services.** To the City Supplement, ADD the following:

2. You shall retain an Exclusive Community Liaison for the Project that shall implement Work in accordance with the specifications described in 7-16.2 "Community Outreach Services" and 7-16.3 "Exclusive Community Liaison Services".

7-20 **ELECTRONIC COMMUNICATION.** ADD the following:

2. Virtual Project Manager shall be used on this Contract.

**SECTION 9 - MEASUREMENT AND PAYMENT**

9-3.2 **Partial and Final Payment.** To Paragraph (3), DELETE in its entirety and SUBSTITUTE with the following:

Upon commencement of the Work, an escrow account shall be established in a financial institution chosen by you and approved by the City. As progress payments are made to you, the retention portion is deposited by the City into the Escrow account. Documentation for an Escrow payment shall have an Escrow agreement signed by you, the City, and the Escrow Agent. Upon completion of the Contract, the City will notify the Escrow agent in writing to release the funds to you. Only the designated representative of the City shall sign the request for the release of Escrow funds.

ADD:

9-3.7 **Compensation Adjustments for Price Index Fluctuations.** To the City Supplement 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 10 – GREEN BUILDINGS AND STORM WATER MANAGEMENT**

ADD:

10-3 **STORM WATER MANAGEMENT DISCHARGE CONTROL.**

1. You shall comply with Chapter 4, Article 3, Division 3 of the San Diego Municipal Code, Storm Water Management and Discharge Control, Municipal Storm Water Permit (MS4), 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. You warrant and certify 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. You understand that while the City will be reviewing your designs for storm water permit compliance prior to acceptance of Design-Builder's designs, you shall also understand and agree that the City's Storm Water review process and its acceptance of your designs in no way limits the your obligations under this agreement to prepare

designs that comply with all requirements of the San Diego Municipal Code and MS4 Permit.

2. You shall complete and update the 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, you shall incorporate and include Source Control and Low Impact Development (LID) design features or Site Design BMPs on the construction plans. Additionally, for Priority Development projects, you shall prepare a Storm Water Quality Management Plan (SWQMP) in accordance with the requirements of the Storm Water Standards Manual. You shall prepare a SWQMP Drainage Management Area Map showing all LID site design, source control and treatment control BMPs, hydromodification management plan facilities, and tabulated calculations. Include sufficient details and cross sections for construction. The Drainage Management Area Map shall be included as part of the construction Plans in addition to the Storm Water Infrastructure cover sheet. A template of the Storm Water Infrastructure cover sheet will be provided by the City.
3. You shall attend the Pre-construction meeting. If applicable, you shall inspect and confirm that the permanent BMP was installed in accordance with the details on the Plans and that the permanent BMP functions meet the requirements of the MS4 Permit. Upon notification by the Engineer, the Design-Builder Engineer of Work 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.
4. For projects requiring soil-disturbance Work such as geotechnical borings, street coring, and potholing as component of the design, you shall complete a Minor Water Pollution Control Plan (DS-570), if applicable.

#### **SECTION 203 – BITUMINOUS MATERIALS**

**203-3.4.4 RUBBER POLYMER MODIFIED SLURRY (RPMS).** To the City Supplement, ADD the following:

1. RPMS shall be used on this Contract.

#### **SECTION 209 – PRESSURE PIPE**

**209 PRESSURE PIPE.** To the City Supplement, ADD the following:

2. 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.

## SECTION 215 – PRIVATE SEWER PUMPS

**215-1.1** **Manufacturer.** To the City Supplement, ADD the following:

2. The warranty for the private sewer pump shall be extended to 3 years.

## SECTION 302 – ROADWAY SURFACING

**302-4.12.2.1** **General.** To the City Supplement, ADD the following:

3. When Type I is to be applied over Type III, corrective action in accordance with 302-4.11.1.2, “Reduction in Payment Based on WTAT” such as reductions in payment, non-payment, or removal of Type III material not meeting specifications as directed by the Engineer shall be executed prior to the application of the Type I material.

## SECTION 306 – UNDERGROUND CONDUIT CONSTRUCTION

**306-1** **General.** ADD the following:

When installing pipelines within the City’s streets, the total time allowed for the completion of Work may not exceed 10 Working Days per 500<sup>1</sup> of pipeline installation:

**306-7.8.2.1** **General.** To the City Supplement, item 2, ADD the following:

- a) Specified test pressure for Class 235 pipe shall be 150 psi.
- b) Specified test pressure for Class 305 pipe shall be 200 psi.

## SECTION 500 – PIPELINE, MANHOLE, AND STRUCTURE REHABILITATION

**500-1.1.2.1** **Initial Submittals.** To the City Supplement, ADD the following:

Within 5 Working Days of the Bid opening date, the 3 apparent low bidders shall submit the following:

1. Contractor’s Experience; past project documentation
2. Manufacturer Certification
3. Authorize Installer Certificates



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

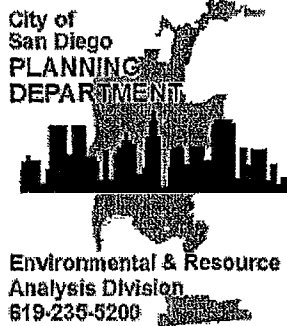
**601-2.1.2**      **Engineered Traffic Control Plans (TCP).** ADD the following:

6.      Engineered TCP (2 foot x 3 foot size) shall be required for the following areas:
  - a)      Refer to Bridging Documents

**END OF SUPPLEMENTARY SPECIAL PROVISIONS (SSP)**

**APPENDIX A**

**FINAL ADDENDUM TO MITIGATED NEGATIVE DECLARATION NO. 255100**



**FINAL ADDENDUM TO  
MITIGATED NEGATIVE DECLARATION No. 255100  
SCH No. 2011091045**

Project No. 400257

**SUBJECT:** Sewer and AC Water Group 778 (GJ778): This City of San Diego Capital Improvement Project includes the construction of both water and sewer infrastructure. **WATER:** GJ778 would construct approximately 26,197 linear feet of new 6-inch, 8-inch, and 12-inch diameter polyvinyl chloride (PVC) water pipeline. Of that amount, approximately 18,576 linear feet of pipeline would replace in-place the existing pipe in existing trenches, and approximately 7,621 linear feet would replace existing pipe in new trenches. This would result in the abandonment of approximately 10,521 linear feet of existing 6- and 8-inch diameter asbestos concrete (AC) water main. The project would also include installation and replumbing of water service lines, installation of fire hydrants and curb ramps, pavement resurfacing, and the construction other associated appurtenances. Excavation for the water facilities could reach depths up to 10 feet. **SEWER:** GJ778 would construct approximately 26,433 linear feet of sewer pipeline. Of that amount, approximately 15,839 linear feet would be replacement-in-place of existing sewer pipe in existing trenches, and approximately 10,594 linear feet would be replacement of existing sewer lines in new trenches. The project would include associated appurtenances, new manholes, sewer laterals, replumbing of existing sewer laterals to the new sewer mains, curb ramps, and road resurfacing. The replumbing of sewer laterals may be executed with trenchless technology. Excavation for the sewer facilities could reach depths up to 25 feet.

The project is located within the Encanto Neighborhoods Southeastern Community Plan area along C Street, 44<sup>th</sup> Street, Hilltop Drive, Tremont Street, Craigie Street, F Street, Boylston Street, G Street, Market Street, 45<sup>th</sup> Street, Cotton Street, 47<sup>th</sup> Street, Escuela Street, 48<sup>th</sup> Street, Duval Street, 49<sup>th</sup> Street, Guymon Street, Dassco Street, Dassco Court, Carolina Lane, Lace Place, Carolina Place, Lise Avenue, and Hal Street. It would also occur in the following areas outside of the paved public right-of-way: between the southwestern Tremont Street cul-del-sac and F Street; between the intersection of 44<sup>th</sup> Street with G Street, and Market Street; a stub serving the 4870 Guymon Street property; and along the southwestern boundary of Assessor Parcel Numbers (APNs) 547-200-4900, and 547-200-5600, which extend southeast from Market Street (east of I-805). The project would occur within the City and County of San Diego. **Applicant:** City of San Diego, Public Works Department - Engineering & Capital Projects, Right-of-Way Design Division.

## I. PROJECT DESCRIPTION:

Construction would use the open trench method. The trench depth for sewer mains would vary from 3 to 25 feet; and for water mains, the trenches would range in depth from 3-10 feet, depending on the topography of the area. The trenches would be approximately 3-5 feet wide. The project would include potholing, which is employed to verify the reconnection of sewer laterals to mains or to verify utility crossings. The replumbing of sewer laterals may be executed with trenchless technology. Other improvements will consist of the installation of curb ramps, manholes, and new pavement/slurry.

All work would occur within the public right-of-way (ROW), alleys or existing sewer and water easements. Active work hours would occur during the daytime Monday through Friday in most locations. The project would comply with the requirements described in the *Standard Specifications for Public Works Construction*, and California Department of Transportation's *Manual of Traffic Controls for Construction and Maintenance Work Zones*. A traffic control plan would be prepared and implemented in accordance with the *City of San Diego Standard Drawings Manual of Traffic Control for Construction and Maintenance Work Zones*.

## II. ENVIRONMENTAL SETTING:

The project would occur within the developed public right-of-way, alleys, and existing sewer and water easements located within the Encanto Neighborhoods Southeastern Community Plan area. Surrounding land uses include predominantly single-unit residential, but also includes elementary schools, preparatory schools, places of worship, commercial land uses, a cemetery, and parkland.

The following streets would be affected by the project: C Street, 44<sup>th</sup> Street, Hilltop Drive, Tremont Street, Craigie Street, F Street, Boylston Street, G Street, Market Street, 45<sup>th</sup> Street, Cotton Street, 47<sup>th</sup> Street, Escuela Street, 48<sup>th</sup> Street, Duval Street, 49<sup>th</sup> Street, Guymon Street, Dassco Street, Dassco Court, Carolina Lane, Lace Place, Carolina Place, Lise Avenue, and Hal Street. The project would also occur in the following areas outside of the paved public right-of-way: between the southwestern Tremont Street cul-del-sac and F Street; between the intersection of 44<sup>th</sup> Street with G Street, and Market Street; a stub serving the undeveloped property located at 4870 Guymon Street; and along the southwestern boundary of APNs 547-200-4900 and 547-200-5600, which extend southeast from Market Street (east of I-805). The project would occur within the City and County of San Diego. (see Location Map).

## III. PROJECT BACKGROUND:

A Citywide Pipelines Projects Mitigated Negative Declaration (MND) No. 255100 was prepared by the City of San Diego's Environmental Analysis Section (EAS) and was certified by City Council on November 30, 2011 (resolution number 307122). The Citywide Pipelines Projects MND provides for the inclusion of subsequent pipeline projects that are located within the public right-of-way and would not result in any direct

impacts to sensitive biological resources. Pursuant to the City of San Diego's Municipal Code Section 128.036(b), all addenda for environmental documents certified more than 3 years after the date of application shall be distributed for public review for 14 calendar days along with the previously certified environmental document. This addendum was prepared more than 3 years after the certification of the original MND, and therefore it is required to be distributed for a 14 calendar day public review.

#### Historical Resources (Archaeology)

MND No. 255100 analyzed historical resources in relation to pipeline projects and determined that if, after a thorough review of the archaeological data, no direct impacts were identified to known archaeological sites then the project could addend the MND. A record search of the California Historic Resources Information System (CHRIS) digital database was reviewed to determine presence or absence of potential resources within the Sewer and AC Water Group 778 project alignments. No archaeological resources were identified within the project areas; however, the project is located on the City's Historic Sensitivity Map and would require archaeological monitoring in case of unexpected discoveries. Compliance with the Mitigation, Monitoring and Reporting Program would reduce all potential impacts to Historical Resources to below a level of CEQA significance.

#### Paleontological Resources

MND No. 255100 analyzed paleontological resources in relation to pipeline projects, which included mitigation to reduce impacts to paleontological resources to below a level of significance. The Sewer and AC Water Group 778 project area is underlain by the San Diego and Linda Vista Formations. With respect to paleontological fossil resource potential the San Diego Formation is assigned a high sensitivity rating, and the Linda Vista Formation is assigned a moderate sensitivity rating. Based upon the sensitivity of the affected formations and the proposed excavation depths, construction of the Sewer and AC Water Group 778 project could result in significant impacts to paleontological resources. To reduce this impact to below a level of significance, excavation within previously undisturbed formations at a depth of 10 or more feet would be monitored by a qualified paleontologist or paleontological monitor. Any significant paleontological resources encountered would be recovered and curated in accordance with the Mitigation Monitoring and Reporting Program (MMRP) detailed in Section V.

#### IV. DETERMINATION:

The City of San Diego previously prepared a Mitigated Negative Declaration No. **255100** for the project described in the attached MND and Initial Study.

Based upon a review of the current project, it has been determined that:

- a. There are no new significant environmental impacts not considered in the previous MND;

- b. No substantial changes have occurred with respect to the circumstances under which the project is undertaken; and
- c. There is no new information of substantial importance to the project.

Therefore, in accordance with Section 15164 of the State CEQA Guidelines, this Addendum has been prepared. Additionally, in accordance with requirements in Section 128.0306(b) of the San Diego Municipal Code, a 14-day public review period is required for this Addendum.

V. MITIGATION, MONITORING AND REPORTING PROGRAM INCORPORATED INTO THE PROJECT:

**A. GENERAL REQUIREMENTS – PART I  
Plan Check Phase (prior to permit issuance)**

1. Prior to issuance of any construction permits, such as Demolition, Grading or Building, or beginning any construction related activity on-site, the Development Services Department (DSD) Director’s Environmental Designee (ED) shall review and approve all Construction Documents (CD), (plans, specification, details, etc.) to ensure the MMRP requirements are incorporated into the design.
2. In addition, the ED shall verify that the MMRP Conditions/Notes that apply ONLY to the construction phases of the project(s) are included VERBATIM, under the heading, “ENVIRONMENTAL/MITIGATION REQUIREMENTS.”
3. These notes must be shown within the first three (3) sheets of the construction documents in the format specified for engineering construction document templates as shown on the City website:

<http://www.sandiego.gov/development-services/industry/standtemp.shtml>

4. The **TITLE INDEX SHEET** must also show on which pages the “Environmental/Mitigation Requirements” notes are provided.

**B. GENERAL REQUIREMENTS – PART II**

**Post Plan Check (After permit issuance/Prior to start of construction)**

1. **PRE CONSTRUCTION MEETING IS REQUIRED TEN (10) WORKING DAYS PRIOR TO BEGINNING ANY WORK ON THIS PROJECT.** The PERMIT HOLDER/OWNER is responsible to arrange and perform this meeting by contacting the CITY RESIDENT ENGINEER (RE) of the Field Engineering Division and City staff from MITIGATION MONITORING COORDINATION (MMC). Attendees must also include the Permit holder’s Representative(s), Job Site Superintendent and the following consultants:

*Archaeological Consultants and Native American Monitor  
Paleontological Consultants/Monitor*

**Note: Failure of all responsible Permit Holder's representatives and consultants to attend shall require an additional meeting with all parties present.**

**CONTACT INFORMATION:**

- a) The **PRIMARY POINT OF CONTACT** is the **RE** at the **Field Engineering Division (858) 627-3200**
- b) For Clarification of **ENVIRONMENTAL REQUIREMENTS**, it is also required to call **RE and MMC at (858)627-3360**

2. **MMRP COMPLIANCE:** This **Project No. 400257** shall conform to the mitigation requirements contained in the associated Construction Plans and implemented to the satisfaction of the DSD's Environmental Designee (MMC) and the City Engineer (RE). The requirements may not be reduced or changed but may be annotated (i.e. to explain when and how compliance is being met and location of verifying proof, etc.). Additional clarifying information may also be added to other relevant plan sheets and/or specifications as appropriate (i.e., specific locations, times of monitoring, methodology, etc)

**Note:**

**Permit Holder's Representatives must alert RE and MMC if there are any discrepancies in the plans or notes, or any changes due to field conditions. All conflicts must be approved by RE and MMC BEFORE the work is performed.**

3. **OTHER AGENCY REQUIREMENTS:** Evidence of compliance with all other agency requirements or permits shall be submitted to the RE and MMC for review and acceptance prior to the beginning of work or within one week of the Permit Holder obtaining documentation of those permits or requirements. Evidence shall include copies of permits, letters of resolution or other documentation issued by the responsible agency.

*None required for this project*

4. **MONITORING EXHIBITS.** All consultants are required to submit, to RE and MMC, a monitoring exhibit on a 11x17 reduction of the appropriate construction plan, such as site plan, grading, landscape, etc., marked to clearly show the specific areas including the **LIMIT OF WORK**, scope of that discipline's work, and notes indicating when in the construction schedule that work will be performed. When necessary for clarification, a detailed methodology of how the work will be performed shall be included.
5. **OTHER SUBMITTALS AND INSPECTIONS:** The Permit Holder/Owner's representative shall submit all required documentation, verification letters, and requests for all associated inspections to the RE and MMC for approval per the following schedule:

## **Document Submittal/Inspection Checklist**

***[List all and only project specific required verification documents and related inspections table below]***

<b><i>Issue Area</i></b>	<b><i>Document submittal</i></b>	<b><i>Assoc Inspection/Approvals/Notes</i></b>
<i>General</i>	<i>Consultant Qualification Letters</i>	<i>Prior to Pre-construction Meeting</i>
<i>General</i>	<i>Consultant Const. Monitoring Exhibits</i>	<i>Prior to or at Pre-Construction Mtg</i>
<i>Archaeology</i>	<i>Archaeology Reports</i>	<i>Archaeology site observation</i>
<i>Paleontology</i>	<i>Paleontology Reports</i>	<i>Paleontology site observation</i>
<i>Final MMRP</i>	<i>Final monitoring reports</i>	<i>Final MMRP Inspection</i>

### **C. SPECIFIC MMRP ISSUE AREA CONDITIONS/REQUIREMENTS**

#### **PALEONTOLOGICAL RESOURCES**

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

###### **A. Entitlements Plan Check**

1. Prior to permit issuance or Bid Opening/Bid Award, whichever is applicable, the Assistant Deputy Director (ADD) Environmental designee shall verify that the requirements for Paleontological Monitoring have been noted on the appropriate construction documents.

###### **B. Letters of Qualification have been submitted to ADD**

1. Prior to Bid Award, the applicant shall submit a letter of verification to Mitigation Monitoring Coordination (MMC) identifying the Principal Investigator (PI) for the project and the names of all persons involved in the paleontological monitoring program, as defined in the City of San Diego Paleontology Guidelines.
2. MMC will provide a letter to the applicant confirming the qualifications of the PI and all persons involved in the paleontological monitoring of the project.
3. Prior to the start of work, the applicant shall obtain approval from MMC for any personnel changes associated with the monitoring program.

##### **II. Prior to Start of Construction**

###### **A. Verification of Records Search**

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

###### **B. PI Shall Attend Precon Meetings**

1. Prior to beginning any work that requires monitoring, the Applicant shall arrange a Precon Meeting that shall include the PI, Construction Manager (CM) and/or Grading Contractor, Resident Engineer (RE), Building Inspector (BI), if



appropriate, and MMC. The qualified paleontologist shall attend any grading/excavation related Precon Meetings to make comments and/or suggestions concerning the Paleontological Monitoring program with the Construction Manager and/or Grading Contractor.

- a. If the PI is unable to attend the Precon Meeting, the Applicant shall schedule a focused Precon Meeting with MMC, the PI, RE, CM or BI, if appropriate, prior to the start of any work that requires monitoring.
2. Acknowledgement of Responsibility for Curation (CIP or Other Public Projects)  
The applicant shall submit a letter to MMC acknowledging their responsibility for the cost of curation associated with all phases of the paleontological monitoring program.
3. Identify Areas to be Monitored
  - a. Prior to the start of any work that requires monitoring, the PI shall submit a Paleontological Monitoring Exhibit (PME) based on the appropriate construction documents (reduced to 11x17) to MMC for approval identifying the areas to be monitored including the delineation of grading/excavation limits. Monitoring shall begin at depths below 10 feet from existing grade or as determined by the PI in consultation with MMC. The determination shall be based on site specific records search data which supports monitoring at depths less than ten feet.
  - b. The PME shall be based on the results of a site specific records search as well as information regarding existing known soil conditions (native or formation).
  - c. MMC shall notify the PI that the PME has been approved.
4. When Monitoring Will Occur
  - a. Prior to the start of any work, the PI shall also submit a construction schedule to MMC through the RE indicating when and where monitoring will occur.
  - b. The PI may submit a detailed letter to MMC prior to the start of work or during construction requesting a modification to the monitoring program. This request shall be based on relevant information such as review of final construction documents which indicate conditions such as depth of excavation and/or site graded to bedrock, presence or absence of fossil resources, etc., which may reduce or increase the potential for resources to be present.
5. Approval of PME and Construction Schedule  
After approval of the PME by MMC, the PI shall submit to MMC written authorization of the PME and Construction Schedule from the CM.

### III. During Construction

#### A. Monitor Shall be Present During Grading/Excavation/Trenching

1. The monitor shall be present full-time during grading/excavation/trenching activities including, but not limited to mainline, laterals, jacking and receiving pits, services and all other appurtenances associated with underground utilities as identified on the PME that could result in impacts to formations with high and/or moderate resource sensitivity. **The Construction Manager is responsible for notifying the RE, PI, and MMC of changes to any construction activities such as in the case of a potential safety concern within the area being monitored.**

**In certain circumstances OSHA safety requirements may necessitate modification of the PME.**

2. The PI may submit a detailed letter to MMC during construction requesting a modification to the monitoring program when a field condition such as trenching activities that do not encounter formational soils as previously assumed, and/or when unique/unusual fossils are encountered, which may reduce or increase the potential for resources to be present.
  3. The monitor shall document field activity via the Consultant Site Visit Record (CSVR). The CSVR's shall be faxed by the CM to the RE the first day of monitoring, the last day of monitoring, monthly (**Notification of Monitoring Completion**), and in the case of ANY discoveries. The RE shall forward copies to MMC.
- B. Discovery Notification Process
1. In the event of a discovery, the Paleontological Monitor shall direct the contractor to temporarily divert trenching activities in the area of discovery and immediately notify the RE or BI, as appropriate.
  2. The Monitor shall immediately notify the PI (unless Monitor is the PI) of the discovery.
  3. The PI shall immediately notify MMC by phone of the discovery, and shall also submit written documentation to MMC within 24 hours by fax or email with photos of the resource in context, if possible.
- C. Determination of Significance
1. The PI shall evaluate the significance of the resource.
    - a. The PI shall immediately notify MMC by phone to discuss significance determination and shall also submit a letter to MMC indicating whether additional mitigation is required. The determination of significance for fossil discoveries shall be at the discretion of the PI.
    - b. If the resource is significant, the PI shall submit a Paleontological Recovery Program (PRP) and obtain written approval of the program from MMC, MC and/or RE. PRP and any mitigation must be approved by MMC, RE and/or CM before ground disturbing activities in the area of discovery will be allowed to resume.
      - (1) Note: For pipeline trenching projects only, the PI shall implement the Discovery Process for Pipeline Trenching projects identified below under "D."
    - c. If resource is not significant (e.g., small pieces of broken common shell fragments or other scattered common fossils) the PI shall notify the RE, or BI as appropriate, that a non-significant discovery has been made. The Paleontologist shall continue to monitor the area without notification to MMC unless a significant resource is encountered.
    - d. The PI shall submit a letter to MMC indicating that fossil resources will be collected, curated, and documented in the Final Monitoring Report. The letter shall also indicate that no further work is required.
      - (1) Note: For Pipeline Trenching Projects Only. If the fossil discovery is limited in size, both in length and depth; the information value is limited

and there are no unique fossil features associated with the discovery area, then the discovery should be considered not significant.

- (2) Note, for Pipeline Trenching Projects Only: If significance can not be determined, the Final Monitoring Report and Site Record shall identify the discovery as Potentially Significant.

**D. Discovery Process for Significant Resources - Pipeline Trenching Projects**

The following procedure constitutes adequate mitigation of a significant discovery encountered during pipeline trenching activities including but not limited to excavation for jacking pits, receiving pits, laterals, and manholes to reduce impacts to below a level of significance.

1. Procedures for documentation, curation and reporting
  - a. One hundred percent of the fossil resources within the trench alignment and width shall be documented in-situ photographically, drawn in plan view (trench and profiles of side walls), recovered from the trench and photographed after cleaning, then analyzed and curated consistent with Society of Invertebrate Paleontology Standards. The remainder of the deposit within the limits of excavation (trench walls) shall be left intact and so documented.
  - b. The PI shall prepare a Draft Monitoring Report and submit to MMC via the RE as indicated in Section VI-A.
  - c. The PI shall be responsible for recording (on the appropriate forms for the San Diego Natural History Museum) the resource(s) encountered during the Paleontological Monitoring Program in accordance with the City's Paleontological Guidelines. The forms shall be submitted to the San Diego Natural History Museum and included in the Final Monitoring Report.
  - d. The Final Monitoring Report shall include a recommendation for monitoring of any future work in the vicinity of the resource.

**IV. Night and/or Weekend Work**

**A. If night and/or weekend work is included in the contract**

1. When night and/or weekend work is included in the contract package, the extent and timing shall be presented and discussed at the precon meeting.
2. The following procedures shall be followed.
  - a. **No Discoveries**

In the event that no discoveries were encountered during night and/or weekend work, The PI shall record the information on the CSVr and submit to MMC via the RE via fax by 8AM on the next business day.
  - b. **Discoveries**

All discoveries shall be processed and documented using the existing procedures detailed in Sections III - During Construction.
  - c. **Potentially Significant Discoveries**

If the PI determines that a potentially significant discovery has been made, the procedures detailed under Section III - During Construction shall be followed.
  - d. The PI shall immediately contact the RE and MMC, or by 8AM on the next business day to report and discuss the findings as indicated in Section III-B, unless other specific arrangements have been made.

- B. If night and/or weekend work becomes necessary during the course of construction
  - 1. The Construction Manager shall notify the RE, or BI, as appropriate, a minimum of 24 hours before the work is to begin.
  - 2. The RE, or BI, as appropriate, shall notify MMC immediately.
- C. All other procedures described above shall apply, as appropriate.

**V. Post Construction**

- A. Preparation and Submittal of Draft Monitoring Report
  - 1. The PI shall submit two copies of the Draft Monitoring Report (even if negative), prepared in accordance with the Paleontological Guidelines which describes the results, analysis, and conclusions of all phases of the Paleontological Monitoring Program (with appropriate graphics) to MMC via the RE for review and approval within 90 days following the completion of monitoring,
    - a. For significant paleontological resources encountered during monitoring, the Paleontological Recovery Program or Pipeline Trenching Discovery Process shall be included in the Draft Monitoring Report.
    - b. Recording Sites with the San Diego Natural History Museum  
The PI shall be responsible for recording (on the appropriate forms) any significant or potentially significant fossil resources encountered during the Paleontological Monitoring Program in accordance with the City's Paleontological Guidelines, and submittal of such forms to the San Diego Natural History Museum with the Final Monitoring Report.
  - 2. MMC shall return the Draft Monitoring Report to the PI via the RE for revision or, for preparation of the Final Report.
  - 3. The PI shall submit revised Draft Monitoring Report to MMC via the RE for approval.
  - 4. MMC shall provide written verification to the PI of the approved report.
  - 5. MMC shall notify the RE or BI, as appropriate, of receipt of all Draft Monitoring Report submittals and approvals.
- B. Handling of Fossil Remains
  - 1. The PI shall be responsible for ensuring that all fossil remains collected are cleaned and catalogued.
- C. Curation of artifacts: Deed of Gift and Acceptance Verification
  - 1. The PI shall be responsible for ensuring that all fossil remains associated with the monitoring for this project are permanently curated with an appropriate institution.
  - 2. The PI shall submit the Deed of Gift and catalogue record(s) to the RE or BI, as appropriate for donor signature with a copy submitted to MMC.
  - 3. The RE or BI, as appropriate shall obtain signature on the Deed of Gift and shall return to PI with copy submitted to MMC.
  - 4. The PI shall include the Acceptance Verification from the curation institution in the Final Monitoring Report submitted to the RE or BI and MMC.
- D. Final Monitoring Report(s)
  - 1. The PI shall submit two copies of the Final Monitoring Report to MMC (even if negative), within 90 days after notification from MMC of the approved report.

2. The RE shall, in no case, issue the Notice of Completion until receiving a copy of the approved Final Monitoring Report from MMC which includes the Acceptance Verification from the curation institution.

## **HISTORICAL RESOURCES (ARCHAEOLOGY)**

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

#### **A. Entitlements Plan Check**

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

#### **B. Letters of Qualification have been submitted to ADD**

1. Prior to Bid Award, the applicant shall submit a letter of verification to Mitigation Monitoring Coordination (MMC) identifying the Principal Investigator (PI) for the project and the names of all persons involved in the archaeological monitoring program, as defined in the City of San Diego Historical Resources Guidelines (HRG). If applicable, individuals involved in the archaeological monitoring program must have completed the 40-hour HAZWOPER training with certification documentation.
2. MMC will provide a letter to the applicant confirming the qualifications of the PI and all persons involved in the archaeological monitoring of the project meet the qualifications established in the HRG.
3. Prior to the start of work, the applicant must obtain written approval from MMC for any personnel changes associated with the monitoring program.

### **II. Prior to Start of Construction**

#### **A. Verification of Records Search**

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

#### **B. PI Shall Attend Precon Meetings**

1. Prior to beginning any work that requires monitoring; the Applicant shall arrange a Precon Meeting that shall include the PI, Native American consultant/monitor (where Native American resources may be impacted), Construction Manager (CM) and/or Grading Contractor, Resident Engineer (RE), Building Inspector (BI), if appropriate, and MMC. The qualified Archaeologist and Native American Monitor shall attend any grading/excavation related Precon Meetings to make

comments and/or suggestions concerning the Archaeological Monitoring program with the Construction Manager and/or Grading Contractor.

- a. If the PI is unable to attend the Precon Meeting, the Applicant shall schedule a focused Precon Meeting with MMC, the PI, RE, CM or BI, if appropriate, prior to the start of any work that requires monitoring.
2. Acknowledgement of Responsibility for Curation (CIP or Other Public Projects)  
The applicant shall submit a letter to MMC acknowledging their responsibility for the cost of curation associated with all phases of the archaeological monitoring program.
3. Identify Areas to be Monitored
  - a. Prior to the start of any work that requires monitoring, the PI shall submit an Archaeological Monitoring Exhibit (AME) (with verification that the AME has been reviewed and approved by the Native American consultant/monitor when Native American resources may be impacted) based on the appropriate construction documents (reduced to 11x17) to MMC identifying the areas to be monitored including the delineation of grading/excavation limits.
  - b. The AME shall be based on the results of a site specific records search as well as information regarding the age of existing pipelines, laterals and associated appurtenances and/or any known soil conditions (native or formation).
  - c. MMC shall notify the PI that the AME has been approved.
4. When Monitoring Will Occur
  - a. Prior to the start of any work, the PI shall also submit a construction schedule to MMC through the RE indicating when and where monitoring will occur.
  - b. The PI may submit a detailed letter to MMC prior to the start of work or during construction requesting a modification to the monitoring program. This request shall be based on relevant information such as review of final construction documents which indicate conditions such as age of existing pipe to be replaced, depth of excavation and/or site graded to bedrock, etc., which may reduce or increase the potential for resources to be present.
5. Approval of AME and Construction Schedule  
After approval of the AME by MMC, the PI shall submit to MMC written authorization of the AME and Construction Schedule from the CM.

### III. During Construction

#### A. Monitor Shall be Present During Grading/Excavation/Trenching

1. The Archaeological Monitor shall be present full-time during all soil disturbing and grading/excavation/trenching activities which could result in impacts to archaeological resources as identified on the AME. **The Construction Manager is responsible for notifying the RE, PI, and MMC of changes to any construction activities such as in the case of a potential safety concern within the area being monitored. In certain circumstances OSHA safety requirements may necessitate modification of the AME.**
2. The Native American consultant/monitor shall determine the extent of their presence during soil disturbing and grading/excavation/trenching activities based on the AME and provide that information to the PI and MMC. If prehistoric resources are encountered during the Native American consultant/monitor's

absence, work shall stop and the Discovery Notification Process detailed in Section III.B-C and IV.A-D shall commence.

3. The PI may submit a detailed letter to MMC during construction requesting a modification to the monitoring program when a field condition such as modern disturbance post-dating the previous grading/trenching activities, presence of fossil formations, or when native soils are encountered that may reduce or increase the potential for resources to be present.
4. The archaeological and Native American consultant/monitor shall document field activity via the Consultant Site Visit Record (CSV). The CSV's shall be faxed by the CM to the RE the first day of monitoring, the last day of monitoring, monthly (**Notification of Monitoring Completion**), and in the case of ANY discoveries. The RE shall forward copies to MMC.

B. Discovery Notification Process

1. In the event of a discovery, the Archaeological Monitor shall direct the contractor to temporarily divert all soil disturbing activities, including but not limited to digging, trenching, excavating or grading activities in the area of discovery and in the area reasonably suspected to overlay adjacent resources and immediately notify the RE or BI, as appropriate.
2. The Monitor shall immediately notify the PI (unless Monitor is the PI) of the discovery.
3. The PI shall immediately notify MMC by phone of the discovery, and shall also submit written documentation to MMC within 24 hours by fax or email with photos of the resource in context, if possible.
4. No soil shall be exported off-site until a determination can be made regarding the significance of the resource specifically if Native American resources are encountered.

C. Determination of Significance

1. The PI and Native American consultant/monitor, where Native American resources are discovered shall evaluate the significance of the resource. If Human Remains are involved, follow protocol in Section IV below.
  - a. The PI shall immediately notify MMC by phone to discuss significance determination and shall also submit a letter to MMC indicating whether additional mitigation is required.
  - b. If the resource is significant, the PI shall submit an Archaeological Data Recovery Program (ADRP) and obtain written approval of the program from MMC, CM and RE. ADRP and any mitigation must be approved by MMC, RE and/or CM before ground disturbing activities in the area of discovery will be allowed to resume. **Note: If a unique archaeological site is also an historical resource as defined in CEQA Section 15064.5, then the limits on the amount(s) that a project applicant may be required to pay to cover mitigation costs as indicated in CEQA Section 21083.2 shall not apply.**
    - (1) Note: For pipeline trenching and other linear projects in the public Right-of-Way, the PI shall implement the Discovery Process for Pipeline Trenching projects identified below under "D."

- c. If the resource is not significant, the PI shall submit a letter to MMC indicating that artifacts will be collected, curated, and documented in the Final Monitoring Report. The letter shall also indicate that that no further work is required.
  - (1) Note: For Pipeline Trenching and other linear projects in the public Right-of-Way, if the deposit is limited in size, both in length and depth; the information value is limited and is not associated with any other resource; and there are no unique features/artifacts associated with the deposit, the discovery should be considered not significant.
  - (2) Note, for Pipeline Trenching and other linear projects in the public Right-of-Way, if significance cannot be determined, the Final Monitoring Report and Site Record (DPR Form 523A/B) shall identify the discovery as Potentially Significant.
- D. Discovery Process for Significant Resources - Pipeline Trenching and other Linear Projects in the Public Right-of-Way
 

The following procedure constitutes adequate mitigation of a significant discovery encountered during pipeline trenching activities or for other linear project types within the Public Right-of-Way including but not limited to excavation for jacking pits, receiving pits, laterals, and manholes to reduce impacts to below a level of significance:

  - 1. Procedures for documentation, curation and reporting
    - a. One hundred percent of the artifacts within the trench alignment and width shall be documented in-situ, to include photographic records, plan view of the trench and profiles of side walls, recovered, photographed after cleaning and analyzed and curated. The remainder of the deposit within the limits of excavation (trench walls) shall be left intact.
    - b. The PI shall prepare a Draft Monitoring Report and submit to MMC via the RE as indicated in Section VI-A.
    - c. The PI shall be responsible for recording (on the appropriate State of California Department of Park and Recreation forms-DPR 523 A/B) the resource(s) encountered during the Archaeological Monitoring Program in accordance with the City's Historical Resources Guidelines. The DPR forms shall be submitted to the South Coastal Information Center for either a Primary Record or SDI Number and included in the Final Monitoring Report.
    - d. The Final Monitoring Report shall include a recommendation for monitoring of any future work in the vicinity of the resource.

#### IV. Discovery of Human Remains

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

##### A. Notification

- 1. Archaeological Monitor shall notify the RE or BI as appropriate, MMC, and the PI, if the Monitor is not qualified as a PI. MMC will notify the appropriate Senior



Planner in the Environmental Analysis Section (EAS) of the Development Services Department to assist with the discovery notification process.

2. The PI shall notify the Medical Examiner after consultation with the RE, either in person or via telephone.

B. Isolate Discovery Site

1. Work shall be directed away from the location of the discovery and any nearby area reasonably suspected to overlay adjacent human remains until a determination can be made by the Medical Examiner in consultation with the PI concerning the provenience of the remains.
2. The Medical Examiner, in consultation with the PI, will determine the need for a field examination to determine the provenience.
3. If a field examination is not warranted, the Medical Examiner will determine with input from the PI, if the remains are or are most likely to be of Native American origin.

C. If Human Remains **ARE** determined to be Native American

1. The Medical Examiner will notify the Native American Heritage Commission (NAHC) within 24 hours. By law, **ONLY** the Medical Examiner can make this call.
2. NAHC will immediately identify the person or persons determined to be the Most Likely Descendent (MLD) and provide contact information.
3. The MLD will contact the PI within 24 hours or sooner after the Medical Examiner has completed coordination, to begin the consultation process in accordance with CEQA Section 15064.5(e), the California Public Resources and Health & Safety Codes.
4. The MLD will have 48 hours to make recommendations to the property owner or representative, for the treatment or disposition with proper dignity, of the human remains and associated grave goods.
5. Disposition of Native American Human Remains will be determined between the MLD and the PI, and, if:
  - a. The NAHC is unable to identify the MLD, OR the MLD failed to make a recommendation within 48 hours after being notified by the Commission, OR;
  - b. The landowner or authorized representative rejects the recommendation of the MLD and mediation in accordance with PRC 5097.94 (k) by the NAHC fails to provide measures acceptable to the landowner, THEN
  - c. To protect these sites, the landowner shall do one or more of the following:
    - (1) Record the site with the NAHC;
    - (2) Record an open space or conservation easement; or
    - (3) Record a document with the County.
  - d. Upon the discovery of multiple Native American human remains during a ground disturbing land development activity, the landowner may agree that additional conferral with descendants is necessary to consider culturally appropriate treatment of multiple Native American human remains. Culturally appropriate treatment of such a discovery may be ascertained from review of the site utilizing cultural and archaeological standards. Where the parties are unable to agree on the appropriate treatment measures the human remains and

items associated and buried with Native American human remains shall be reinterred with appropriate dignity, pursuant to Section 5.c., above.

- D. If Human Remains are **NOT** Native American
1. The PI shall contact the Medical Examiner and notify them of the historic era context of the burial.
  2. The Medical Examiner will determine the appropriate course of action with the PI and City staff (PRC 5097.98).
  3. If the remains are of historic origin, they shall be appropriately removed and conveyed to the San Diego Museum of Man for analysis. The decision for internment of the human remains shall be made in consultation with MMC, EAS, the applicant/landowner, any known descendant group, and the San Diego Museum of Man.

**V. Night and/or Weekend Work**

- A. If night and/or weekend work is included in the contract
1. When night and/or weekend work is included in the contract package, the extent and timing shall be presented and discussed at the precon meeting.
  2. The following procedures shall be followed.
    - a. No Discoveries  
In the event that no discoveries were encountered during night and/or weekend work, the PI shall record the information on the CSVR and submit to MMC via fax by 8AM of the next business day.
    - b. Discoveries  
All discoveries shall be processed and documented using the existing procedures detailed in Sections III - During Construction, and IV – Discovery of Human Remains. Discovery of human remains shall always be treated as a significant discovery.
    - c. Potentially Significant Discoveries  
If the PI determines that a potentially significant discovery has been made, the procedures detailed under Section III - During Construction and IV-Discovery of Human Remains shall be followed.
    - d. The PI shall immediately contact the RE and MMC, or by 8AM of the next business day to report and discuss the findings as indicated in Section III-B, unless other specific arrangements have been made.
- B. If night and/or weekend work becomes necessary during the course of construction
1. The Construction Manager shall notify the RE, or BI, as appropriate, a minimum of 24 hours before the work is to begin.
  2. The RE, or BI, as appropriate, shall notify MMC immediately.
- C. All other procedures described above shall apply, as appropriate.

**VI. Post Construction**

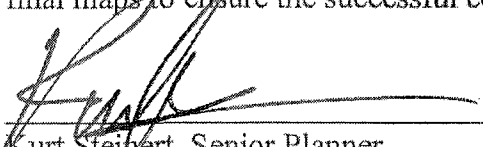
- A. Submittal of Draft Monitoring Report
1. The PI shall submit two copies of the Draft Monitoring Report (even if negative), prepared in accordance with the Historical Resources Guidelines (Appendix C/D) which describes the results, analysis, and conclusions of all phases of the Archaeological Monitoring Program (with appropriate graphics) to MMC via the

RE for review and approval within 90 days following the completion of monitoring. **It should be noted that if the PI is unable to submit the Draft Monitoring Report within the allotted 90-day timeframe as a result of delays with analysis, special study results or other complex issues, a schedule shall be submitted to MMC establishing agreed due dates and the provision for submittal of monthly status reports until this measure can be met.**

- a. For significant archaeological resources encountered during monitoring, the Archaeological Data Recovery Program or Pipeline Trenching Discovery Process shall be included in the Draft Monitoring Report.
  - b. Recording Sites with State of California Department of Parks and Recreation  
The PI shall be responsible for recording (on the appropriate State of California Department of Park and Recreation forms-DPR 523 A/B) any significant or potentially significant resources encountered during the Archaeological Monitoring Program in accordance with the City's Historical Resources Guidelines, and submittal of such forms to the South Coastal Information Center with the Final Monitoring Report.
2. MMC shall return the Draft Monitoring Report to the PI via the RE for revision or, for preparation of the Final Report.
  3. The PI shall submit revised Draft Monitoring Report to MMC via the RE for approval.
  4. MMC shall provide written verification to the PI of the approved report.
  5. MMC shall notify the RE or BI, as appropriate, of receipt of all Draft Monitoring Report submittals and approvals.
- B. Handling of Artifacts
1. The PI shall be responsible for ensuring that all cultural remains collected are cleaned and catalogued
  2. The PI shall be responsible for ensuring that all artifacts are analyzed to identify function and chronology as they relate to the history of the area; that faunal material is identified as to species; and that specialty studies are completed, as appropriate.
- C. Curation of Artifacts: Accession Agreement and Acceptance Verification
1. The PI shall be responsible for ensuring that all artifacts associated with the survey, testing and/or data recovery for this project are permanently curated with an appropriate institution. This shall be completed in consultation with MMC and the Native American representative, as applicable.
  2. When applicable to the situation, the PI shall include written verification from the Native American consultant/monitor indicating that Native American resources were treated in accordance with state law and/or applicable agreements. If the resources were reinterred, verification shall be provided to show what protective measures were taken to ensure no further disturbance occurs in accordance with Section IV – Discovery of Human Remains, Subsection C.
  3. The PI shall submit the Accession Agreement and catalogue record(s) to the RE or BI, as appropriate for donor signature with a copy submitted to MMC.
  4. The RE or BI, as appropriate shall obtain signature on the Accession Agreement and shall return to PI with copy submitted to MMC.

5. The PI shall include the Acceptance Verification from the curation institution in the Final Monitoring Report submitted to the RE or BI and MMC.
- D. Final Monitoring Report(s)
1. The PI shall submit one copy of the approved Final Monitoring Report to the RE or BI as appropriate, and one copy to MMC (even if negative), within 90 days after notification from MMC of the approved report.
  2. The RE shall, in no case, issue the Notice of Completion until receiving a copy of the approved Final Monitoring Report from MMC which includes the Acceptance Verification from the curation institution.

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

  
 Kurt Steibert, Senior Planner  
 Planning Department

3/23/2015  
 Date of Draft Report

Analyst: Rebecca Malone

5/29/2015  
 Date of Final Report

Attachments: Location Map  
 Mitigated Negative Declaration No. 255100

The Addendum to Mitigated Negative Declaration No. 255100 was distributed for a 14-day public review period pursuant to San Diego Municipal Code (SDMC) Chapter 6, Article 9, Paragraph 69.0211 (Addenda to Environmental Reports) which requires addenda to environmental documents certified more than three years previously be distributed by the Planning Department for public review for a fourteen calendar day period, along with the previously certified Environmental Document. Since the environmental document prepared for the previously approved project was certified in 2011 and is not within the three year timeline, additional public review is required. Therefore, in accordance with CEQA Section 15164 the draft Addendum (No. 400257) to MND No. 255100 was distributed to the following groups/individuals for public disclosure:

VI. DISTRIBUTION:

Copies or notice of this Addendum were distributed to:

City of San Diego:  
 Mayor's Office  
 Council Member Myrtle Cole, District 4  
 Council Member Marti Emerald, District 9  
 City Attorney  
 Shannon Thomas MS 59 (93C)

Planning Department  
Rebecca Malone  
Myra Herrmann  
Development Services Department  
Helene Deisher (MS 501)  
Historic Resources Board (87)  
Park & Recreation Department (77)  
Jeff Harkness (89)  
City of San Diego, Public Works Department  
Regan Owen (MS 908A)  
Peter Fogec (MS 908A)  
Fire and Life Safety Services MS 603 (79)  
Library Dept.-Gov. Documents MS 17 (81)  
Malcolm X Library & Performing Arts Center (81O)  
Water Review, Mehdi Rastakhiz MS 910D (86A)

Other:

Metropolitan Transit System (112)  
San Diego Gas and Electric (114)  
Reynaldo PISAÑO (447)  
Civic San Diego (448)  
Southeastern San Diego Planning Group (449)  
Encanto Neighborhoods Community Planning Group (449A)  
Educational/Cultural Complex (450)  
Chollas Restoration Enhancement and Conservancy (451)  
Central Imperial Redevelopment (452)  
Voice News & Viewpoint (453)  
San Diego Natural History Museum (166)  
South Coastal Information Center (210)  
San Diego Historical Society (211)  
San Diego Archaeological Center (212)  
Carmen Lucas (206)  
Clint Linton (215b)  
Ron Christman (215)  
Frank Brown – Inter-Tribal Cultural Resources Council (216)  
Campo Band of Mission Indians (217)  
San Diego County Archaeological Society, Inc. (218)  
Kumeyaay Cultural Heritage Preservation (223)  
Kumeyaay Cultural Repatriation Committee (225)  
Native American Distribution (225 A-S) (Public Notice & Location Map Only)  
San Diego Unified School District (132)  
Holy Cross Cemetery – Roman Catholic Bishop of San Diego

Copies of the addendum, the final MND, the Mitigation Monitoring and Reporting Program, and any technical appendices may be reviewed in the office of the Entitlements Division of the Development Services Department, or purchased for the cost of reproduction.



PO Box 908  
Alpine, CA 91903  
#1 Viejas Grade Road  
Alpine, CA 91901

Phone: 6194453810  
Fax: 6194453337  
viejas.com

April 7, 2015

Rebecca Malone  
1222 First Ave., MS 501  
San Diego, CA 92101

RE: Sewer and AC Water Group Job 778 # 400257

Dear Ms. Malone,

In reviewing the above referenced project the Viejas Band would like to comment at this time. The project areas contains sacred sites to the Kumeyaay people. We request that these sacred sites be avoided with adequate buffer zones.

Additionally, Viejas is requesting the following:

- Advance notice of any plans on mitigation measures
- Active participation in the development of said mitigation measures
- All NEPA/CEQA/NAGPRA laws be followed
- A Qualified Kumeyaay cultural monitors are on site at all times, from the nearby reservations
- Give frequent up-dates to the tribes and final report on findings
- Immediately contact Viejas on any changes or inadvertent discoveries.

Thank you for your collaboration and support in preserving our Tribal cultural resources. I look forward to hearing from you.

Sincerely,  
VIEJAS BAND OF KUMEYAAAY INDIANS

VIEJAS TRIBAL GOVERNMENT (APRIL 7, 2015)

A-1 Comment noted. A Native American (Kumeyaay) monitor will be on-site to monitor any ground disturbing activities associated with project implementation.

**RINCON BAND OF LUISEÑO INDIANS**  
**Culture Committee**

1 W. Tribal Road · Valley Center, California 92082 ·  
(760) 297-2621 or (760) 297-2622 & Fax: (760) 749-8901



March 30, 2015

Rebecca Malone  
The City of San Diego  
1222 First Street, MS 501  
San Diego, CA 92101

Re: Sewer and AC Water Group Job 778

Dear Rebecca Malone:

This letter is written on behalf of the Rincon Band of Luiseño Indians. Thank you for inviting us to submit comments on the Sewer and AC Water Group Job 778 Project. Rincon is submitting these comments concerning your projects potential impact on Luiseño cultural resources.

The Rincon Band has concerns for the impacts to historic and cultural resources and the finding of items of significant cultural value that could be disturbed or destroyed and are considered culturally significant to the Luiseño people. This is to inform you, your identified location is not within the Luiseño Aboriginal Territory. We recommend that you locate a tribe within the project area to receive direction on how to handle any inadvertent findings according to their customs and traditions.

If you would like information on tribes within your project area, please contact the Native American Heritage Commission and they will assist with a referral.

Thank you for the opportunity to protect and preserve our cultural assets.

Sincerely,

Rose Duro  
Chairman  
Rincon Culture Committee

B-1

B-1 Comment noted. The Native American Heritage Commission will be contacted for a referral to any tribes located within the project area.

Bo Mazzetti  
Tribal Chairman

Stephanie Spencer  
Vice Chairwoman

Steve Stallings  
Council Member

Laurie E. Gonzalez  
Council Member

Alfonso Kolb  
Council Member



San Diego County Archaeological Society, Inc.

Environmental Review Committee

30 March 2015

To: Ms. Rebecca Malone  
Development Services Department  
City of San Diego  
1222 First Avenue, Mail Station 501  
San Diego, California 92101

Subject: Draft Mitigated Negative Declaration  
Sewer and AC Water Group Job 778  
Project No. 400257

Dear Ms. Malone:

I have reviewed the subject DMND on behalf of this committee of the San Diego County Archaeological Society.

Based on the information contained in the DMND, we agree with the cultural resources mitigation measures as included in the DMND.

Thank you for including SDCAS in the public review of this DMND.

Sincerely,

  
James W. Royle, Jr., Chairperson  
Environmental Review Committee

cc: SDCAS President  
File

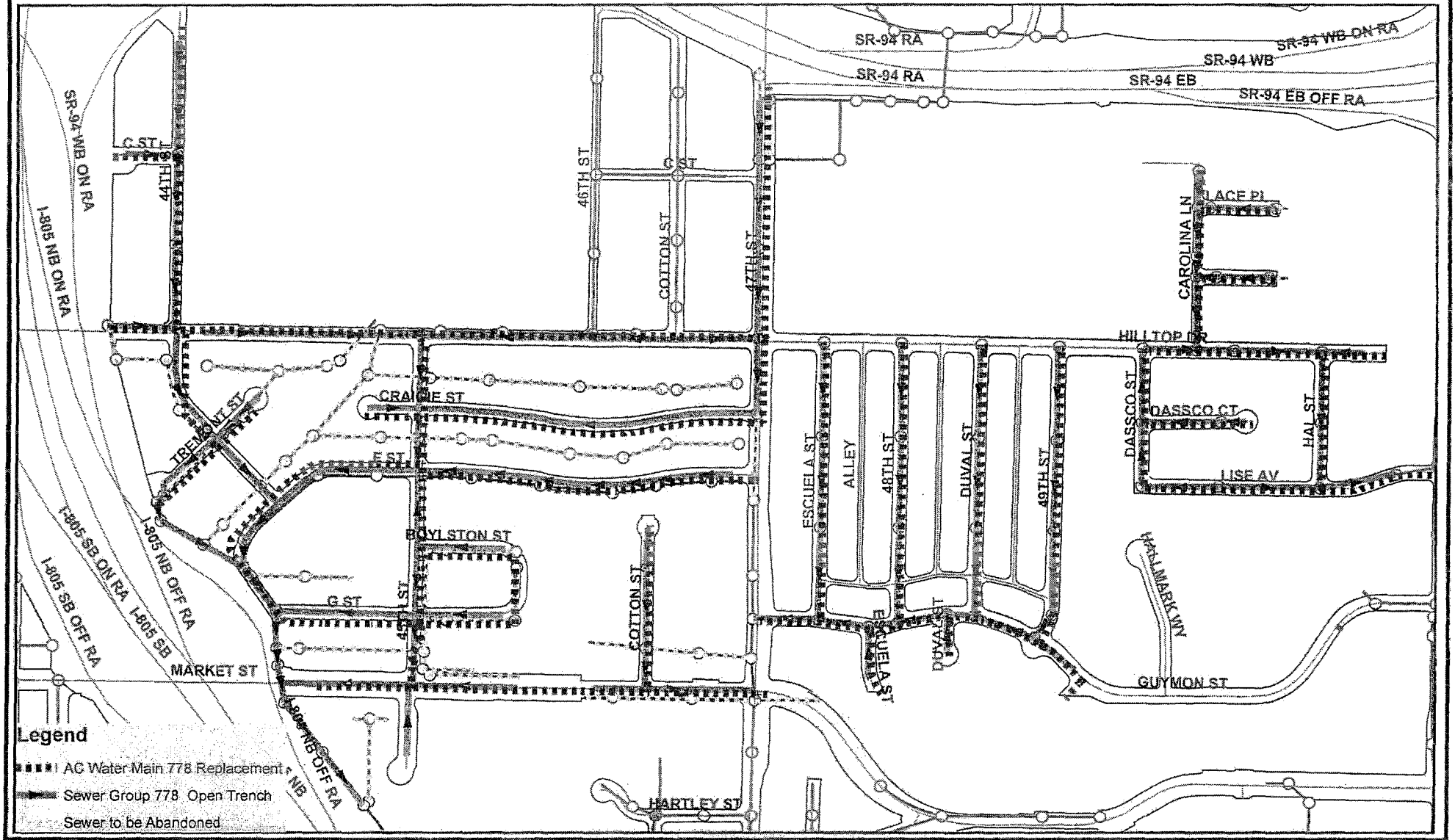
P.O. Box 81106 San Diego, CA 92138-1106 (619) 538-0935

C-1 Comment acknowledged.



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# SEWER GJ 778 - Location Map



**Location Map**  
 Sewer and AC Water Group 778 / Project No. 400257  
 City of San Diego – Planning Department

**FIGURE**  
**No. 1**



## MITIGATED NEGATIVE DECLARATION

Project No. 255100  
SCH No. 2011091045

**SUBJECT: Citywide Pipeline Projects: COUNCIL APPROVAL** to allow for the replacement, rehabilitation, relocation, point repair, new trenching, trenchless construction, and abandonment of water and/or sewer pipeline alignments and associated improvements such as curb ramps, sewer lateral connections, water service connections, manholes, new pavement/slurry, the removal and/or replacement of street trees and the removal and/or replacement of street lights. This environmental document covers the analysis for ~~five~~ four (4) near-term pipeline projects (Harbor Drive Pipeline, Water Group 949, ~~Sewer Group 787~~, Water Group 914, and Sewer/Water Group 732), as well as any subsequent future pipeline projects. The construction footprint for a typical pipeline project, including staging areas and other areas (such as access) would be located within the City of San Diego Public Right-of-Way (PROW) and/or within public easements and may include planned pipeline construction within private easements from the PROW to the service connection. A signed agreement between the City and the property owner would be required for work conducted on private property. Project types that would be included in the analysis contained herein would consist of sewer and water group jobs, trunk sewers, large diameter water pipeline projects, new and/or replacement manholes, new/or replacement fire hydrants, and other necessary appurtenances. All associated equipment would be staged within the existing PROW adjacent to the work areas. The near-term and future projects covered in the document would not impact *Sensitive Biological Resources* or *Environmentally Sensitive Lands (ESL)* as defined in the Land Development Code and would not encroach into the City's Multi-Habitat Planning Area (MHPA). Applicant: The City of San Diego Engineering and Capital Projects Department AND Public Utilities Department.

Update 10/20/2011

Revisions to this document have been made when compared to the Draft Mitigated Negative Declaration (DMND) dated September 9, 2011. In response to the Comment Letter received from The California Department of Fish and Game, further description and graphics of Water Group 949 as it relates to the MHPA has been added to the Final MND. Please note that Sewer Group 787, which is adjacent to the MHPA, has been removed from the project description and is no longer covered in this MND.

The modifications to the FMND are denoted by ~~strikeout~~ and underline format. In accordance with the California Environmental Quality Act, Section 15073.5 (c)(4), the addition of new information that clarifies, amplifies, or makes insignificant modification does not require recirculation as there are no new impacts and no new mitigation identified. An environmental document need only be recirculated when there is identification of new significant environmental impact or the addition of a new mitigation measure required to avoid a significant environmental impact. The addition, 18 | Page

**of corrected mitigation language within the environmental document does not affect the environmental analysis or conclusions of the MND.**

Construction for the near-term and any future projects is anticipated to occur during the daytime hours Monday through Friday, but may occur during the weekend, if necessary. The contractor would comply with all applicable requirements described in the latest edition of the *Standard Specifications for Public Works Construction ("GREENBOOK")* and the latest edition of the *City of San Diego Standard Specifications for Public Works Construction ("WHITEBOOK")*. The City's supplement addresses unique circumstances to the City of San Diego that are not addressed in the GREENBOOK and would therefore take precedence in the event of a conflict. The contractor would also comply with the California Department of Transportation *Manual of Traffic Controls for Construction and Maintenance Work Zones*. If the Average Daily Traffic (ADT) within a given project(s) vicinity is 10,000 ADT or greater, a traffic control plan would be prepared and implemented in accordance with the *City of San Diego Standard Drawings Manual of Traffic Control for Construction and Maintenance Work Zones*. For proposals subject to 10,000 ADT or less, traffic control may be managed through shop drawings during construction. Construction methods to be employed would consist of, but not be limited to:

**Open Trenching:** The open trench method of construction would be used for complete replacement and new alignment portions of the project. Trenches are typically four feet wide and are dug with excavations and similar large construction equipment.

**Rehabilitation:** Rehabilitation of alignment involves installing a new lining in old pipelines. The insertion is done through existing manhole access points and does not require removal of pavement or excavation of soils.

**Abandonment:** Pipeline abandonment activities would be similar to rehabilitation methods in that no surface/subsurface disturbance would occur. This process may involve slurry or grout material injected into the abandoned lines via manhole access. The top portion of the manhole is then typically removed and the remaining space backfilled and paved over.

**Potholing:** Potholing would be used to verify reconnection of laterals to main where lines would be raised or realigned (higher than existing depth, but still below ground) or to verify utility crossings. These "potholes" are made by using vacuum type equipment to open up small holes into the street or pavement.

**Point Repairs:** Point repairs include replacing a portion of a pipe segment by open trench excavation methods in which localized structural defects have been identified. Generally, point repairs are confined to an eight-foot section of pipe.

The following near term project(s) have been reviewed by the City of San Diego, Development Services Department (DSD) for compliance with the Land Development Code and have been determined to be exempt from a Site Development Permit (SDP) and/or a Coastal Development Permit (CDP). These projects would involve excavation in areas having a high resource sensitivity and potential for encountering archaeological and paleontological resources during construction related activities. Therefore, mitigation would be required to reduce potential significant impacts to archaeological and paleontological resources to below a level of significance. With respect to Storm Water, all projects would be reviewed for compliance with the City's Storm Water Standards

Manual. All projects that are not-exempt from the Standard Urban Storm Water Mitigation Plan (SUSMP) would incorporate appropriate Permanent Best Management Practices (BMPs) and construction BMPs into the project design(s) and during construction, as required. As such, all projects would comply with the requirement of the Municipal Storm Water Permit.

#### HARBOR DRIVE PIPELINE (PROJECT NO. 206100)

The Harbor Drive Pipeline includes the replacement of 4.4 miles of 16-inch cast iron (CI) and asbestos cement (AC) pipe that comprises the Harbor Drive 1<sup>st</sup> and 2<sup>nd</sup> Pipelines (HD-1 and HD-2) at a depth no greater than five (5) feet. Facility age and cast iron main replacement are the primary drivers for these projects, but due to the history of AC breaks in the area, approximately 1.0 mile of AC replacement is also included. The project is anticipated to be awarded in Fiscal Year 2013.

HD-1 and HD-2 were built primarily in the 1940's and 1950's and were made out of cast iron or asbestos cement and serve the western most part of the University Heights 390 Zone and the northern section of the Point Loma East 260 Zone. The pipelines also serve as redundancy to each other. Several segments were replaced by various City of San Diego Public Utilities Department projects throughout the years and those segments are not a part of the current scope. Previously replaced segments were 16 inch PVC, except for the bridge crossing which used 24-inch CMLC. The pipeline is located entirely within the PROW, will not require any easements, and is not adjacent to the MHPA or located within any designated historical districts. The following streets would be affected by this project: West Laurel, Pacific Highway, North Harbor Drive (within the roadway, under the bridge and within landscape areas), Nimitz Boulevard, Rosecrans Street, Evergreen Street, Hugo Street, Locust Street, Canon Street, Avenida De Portugal, and Point Loma Avenue.

#### **Mitigation for the Harbor Drive Pipeline: Historical Resources (Archaeological Monitoring)**

#### WATER GROUP 949 (PROJECT NO. 232719)

Water Group 949 would consist of the replacement and installation of 5.27 miles of water mains within the Skyline- Paradise Hills, University, Clairemont Mesa, Southeastern San Diego (Greater Golden Hills) community planning areas. 16,931 Linear Feet (LF) of 16-inch cast iron water mains would be replace-in-place with new 16-inch polyvinyl chloride (PVC) pipe within the existing trench. The remaining 10,913 LF of new 16-inch PVC would be installed in new trenches. All work within Regents Road, Site 2 (Figure 8), adjacent to the MHPA would only occur within the developed footprint such as the paved right of way, and concrete sidewalk or slab areas. In addition, all work within 100 feet of the MHPA would observe mitigation such as but not limited to, bird breeding season measures, avoidance of discharge into the MHPA, and avoidance of direct lighting towards the MHPA areas. As such, no impacts to MHPA and/or sensitive resources would occur. The project would also include replacement and reinstallation of valves, water services, fire hydrants, and other appurtenances and would also included the construction of curb ramps, and street resurfacing. Traffic control measures and Best Management Practices (BMPs) would be implemented during construction. Any street tree removal, relocation, and/or trimming would be done under the supervision of the City Arborist. All staging of construction equipment will be located outside of any potentially sensitive areas. The following streets and nearby alleyways would be affected by this project: Tuther Way, Cielo Drive, Woodman Street, Skyline Drive, Regents Road, Hidalgo Avenue, Clairemont Mesa Boulevard, Luna Avenue, B Street, F Street, Ash Street, 25<sup>th</sup> Street, and 27<sup>th</sup> Street.

**Mitigation Required for Water Group 949: This project would require the implementation of MHPA Land Use Adjacency Guidelines in the University and Clairemont Mesa Community Planning areas that are adjacent (within 100 feet) to the MHPA and Historical Resources (Built Environment) mitigation for the area of the project located within the Greater Golden Hill Historic District.**

**SEWER GROUP 787 (PROJECT NO. 231928)**

Sewer Group 787 would consist of the replacement of 26,436 lineal feet (LF) of existing 16-inch cast iron sewer pipe with new 16-inch polyvinyl chloride (PVC) pipe within the existing trench. A total of 1,267 LF of new 16-inch PVC sewer alignment would be installed in new trenches. In addition, the project would abandon 1,606 LF of existing 16-inch cast iron pipe. The proposed project would be installed by conventional excavation (open trench) in trenches from 3-5 feet deep. The project would affect the following streets and nearby alleyways: 42<sup>nd</sup> Street, Monroe Avenue, Edgware Road, Polk Avenue, Orange Avenue, Menlo Avenue, 47<sup>th</sup> Street, Dwight Street, Myrtle Avenue, Manzanita Place, Heather Street, Dahlia Street, Poplar Street, Columbine Street, Pepper Drive, Juniper Street, Marigold Street, Sumac Drive, 44<sup>th</sup> Street, Laurie Lane, and Roseview Place all within the City Heights and Kensington-Talmadge Community Planning Areas.

**~~Mitigation Required for Water Group 787: This project would require the implementation of MHPA Land Use Adjacency Guidelines in the City Heights and Kensington-Talmadge Community Planning areas that are adjacent (within 100 feet) to the MHPA, Historical Resources (Archaeological and Paleontological Monitoring).~~**

**WATER GROUP 914 (PROJECT NO. 233447)**

Water Group 914 would consist of the replacement and installation of approximately 21,729 lineal feet (LF) of existing 6-inch, 8-inch and 12-inch cast iron pipes and 6-inch asphalt concrete pipes with new 8-inch, 12-inch and 16-inch polyvinyl chloride (PVC) pipe. Also included would be the construction of two underground pressure regulator stations that measure 54 square-feet and 6.5 feet deep each. 17,472 LF would be located in existing trenches and 4,257 LF would be located in new trench lines. The proposed project would be installed by conventional excavation (open trench) in trenches from 3-5 feet deep. However two 300 LF parallel line sections (600 LF total) of the water alignment would be installed by trenchless methodology utilizing two (2) 40 square foot launch and receiver pits. The trenchless installation would occur at the intersection of Coronado Avenue and Ebers Street and is designed to avoid a recorded archaeological resource at this intersection. The trenchless methodology would employ directional underground boring that would install the pipe at a depth deeper than the recorded resource. In addition, a 4-inch AC water segment of approximately 520 LF located along Point Loma Avenue between Guizot Street and Santa Barbara Street will be abandoned in place. The project would affect the following streets and nearby alleyways: Point Loma Avenue, Santa Barbara Street, Bermuda Avenue, Pescadero Avenue, Cable Street, Orchard Avenue, Froude Street, Sunset Cliffs Boulevard, Savoy Circle, and Del Monte Avenue all within the Ocean Beach and Peninsula Community Planning Areas.

**Mitigation for Water Group 914: Historical Resources (Archaeological Monitoring) and (Built Environment)**

**SEWER AND WATER GROUP 732 (PROJECT NO. 206610)**

Sewer and Water Group Job 732 would consist of the installation of approximately 5,500 total linear feet (LF) of 8 inch Polyvinyl Chloride (PVC) sewer pipe, and approximately 3,000 total linear feet (LF) of 12 inch PVC water pipe. Approximately, 1,035 LF of water pipe would be rehabilitated using trenchless technology in the same trench, with the remainder of the installation accomplished through open trenching. Related work would include construction of new manholes, replacement and re-plumbing of sewer laterals, installation of curb ramps, pavement restoration, traffic control, and storm water best management practices. Construction of the project would affect portions of the following streets and adjacent alleys in the Peninsula Community Plan area: Xenophon Street, Yonge Street, Zola Street, Alcott Street, Browning Street, Plum Street, Willow Street, Evergreen Street, Locust Street, and Rosecrans Street.

**Mitigation Required for Sewer and Water Group 732: Historical Resources (Archaeological and Paleontological Monitoring).****SUBSEQUENT PIPELINE PROJECT REVIEW (LONG TERM)**

Applications for the replacement, rehabilitation, relocation, point repair, open trenching and abandonment of water and/or sewer pipeline alignments within the City of San Diego PROW as indicated in the Subject block above and in the Project Description discussion of the Initial Study would be analyzed for potential environmental impacts to Historical Resources (Archaeology, Paleontology and the Built Environment) and Land Use (MSCP/MHPA), and reviewed for consistency with this Mitigated Negative Declaration (MND). Where it can be determined that the project is "consistent" with this MND and no additional potential significant impacts would occur pursuant to State CEQA Guideline § 15162 (i.e. the involvement of new significant environmental effects of a substantial increase in the severity of previously identified effects) or if the project would result in minor technical changes or additions, then an Addendum to this MND would be prepared pursuant to §15164. Where future projects are found not to be consistent with this MND, then a new Initial Study and project specific MND shall be prepared.

- I. PROJECT DESCRIPTION: See attached Initial Study.
- II. ENVIRONMENTAL SETTING: See attached Initial Study.
- III. DETERMINATION:

The City of San Diego conducted an Initial Study which determined that the near term projects and any future subsequent projects could have a significant environmental effect in the following areas(s): Land Use (MSCP/MHPA Land Use Adjacency), Historical Resources (Built Environment), Historical Resources (Archaeology) and Paleontology. When subsequent projects are submitted to DSD, the Environmental Analysis Section (EAS) will determine which of the project specific mitigation measures listed in Section V. would apply. Subsequent revisions in the project proposal create the specific mitigation identified in Section V of this Mitigated Negative Declaration. Projects as revised now avoid or mitigate the potentially significant environmental effects previously identified, and the preparation of an Environmental Impact Report will not be required.

IV. DOCUMENTATION:

The attached Initial Study documents the reasons to support the above Determination.

V. MITIGATION, MONITORING AND REPORTING PROGRAM (MMRP):

A. GENERAL REQUIREMENTS – PART I

Plan Check Phase (prior to permit issuance)

1. Prior to Bid Opening/Bid Award or beginning any construction related activity on-site, the Development Services Department (DSD) Director's Environmental Designee (ED) shall review and approve all Construction Documents (CD) (plans, specification, details, etc.) to ensure the MMRP requirements have been incorporated.
2. In addition, the ED shall verify that the MMRP Conditions/Notes that apply ONLY to the construction phases of this project are included VERBATIM, under the heading, "ENVIRONMENTAL/MITIGATION REQUIREMENTS."
3. These notes must be shown within the first three (3) sheets of the construction documents in the format specified for engineering construction document templates as shown on the City website:

<http://www.sandiego.gov/development-services/industry/standtemp.shtml>

4. The TITLE INDEX SHEET must also show on which pages the "Environmental/Mitigation Requirements" notes are provided.

B. GENERAL REQUIREMENTS – PART II

Post Plan Check (After permit issuance/Prior to start of construction)

1. **PRE CONSTRUCTION MEETING IS REQUIRED TEN (10) WORKING DAYS PRIOR TO BEGINNING ANY WORK ON THIS PROJECT.** The PERMIT HOLDER/OWNER is responsible to arrange and perform this meeting by contacting the CITY RESIDENT ENGINEER (RE) of the Field Engineering Division and City staff from MITIGATION MONITORING COORDINATION (MMC). Attendees must also include the Permit holder's Representative(s), Job Site Superintendent and the following consultants as necessary:

**Biologist, Archaeologist, Native American Monitor, Historian and Paleontologist**

Note: Failure of all responsible Permit Holder's representatives and consultants to attend shall require an additional meeting with all parties present.

**CONTACT INFORMATION:**

a) The PRIMARY POINT OF CONTACT is the RE at the Field Engineering Division **858-627-3200**

b) For Clarification of ENVIRONMENTAL REQUIREMENTS, it is also required to call RE and MMC at **858-627-3360**



**2. MMRP COMPLIANCE:** This Project, Project Tracking System (PTS) No. 255100, or for subsequent future projects the associated PTS No, shall conform to the mitigation requirements contained in the associated Environmental Document and implemented to the satisfaction of the DSD's ED, MMC and the City Engineer (RE). The requirements may not be reduced or changed but may be annotated (i.e. to explain when and how compliance is being met and location of verifying proof, etc.). Additional clarifying information may also be added to other relevant plan sheets and/or specifications as appropriate (i.e., specific locations, times of monitoring, methodology, etc

**Note:**

Permit Holder's Representatives must alert RE and MMC if there are any discrepancies in the plans or notes, or any changes due to field conditions. All conflicts must be approved by RE and MMC BEFORE the work is performed.

- 3. OTHER AGENCY REQUIREMENTS:** Evidence that any other agency requirements or permits have been obtained or are in process shall be submitted to the RE and MMC for review and acceptance prior to the beginning of work or within one week of the Permit Holder obtaining documentation of those permits or requirements. Evidence shall include copies of permits, letters of resolution or other documentation issued by the responsible agency as applicable.
- 4. MONITORING EXHIBITS:** All consultants are required to submit, to RE and MMC, a monitoring exhibit on a 11x17 reduction of the appropriate construction plan, such as site plan, grading, landscape, etc., marked to clearly show the specific areas including the **LIMIT OF WORK**, scope of that discipline's work, and notes indicating when in the construction schedule that work will be performed. When necessary for clarification, a detailed methodology of how the work will be performed shall be included.
- 5. OTHER SUBMITTALS AND INSPECTIONS:** The Permit Holder/Owner's representative shall submit all required documentation, verification letters, and requests for all associated inspections to the RE and MMC for approval per the following schedule:

**Document Submittal/Inspection Checklist**

<i>Issue Area</i>	<i>Document submittal</i>	<i>Associated Inspection/Approvals/Note</i>
General	Consultant Qualification Letters	Prior to Pre-construction Mtg.
General	Consultant Const. Monitoring	Prior to or at Pre-Construction Mtg.
Biology	Biology Reports	Limit of Work Verification
Historical	Historical Reports	Historical observation (built envirmnt)
Archaeology	Archaeology Reports	Archaeology observation
Paleontology	Paleontology Reports	Paleontology observation
Final MMRP		Final MMRP Inspection

## SPECIFIC MMRP ISSUE AREA CONDITIONS/REQUIREMENTS:

**A. LAND USE [MULTIPLE SPECIES CONSERVATION PROGRAM (MSCP) For PROJECTS WITHIN 100 FEET OF THE MHPA]****I. Prior to Permit Issuance**

A. Prior to issuance of any construction permit, the DSD Environmental Designee (ED) shall verify the Applicant has accurately represented the project's design in the Construction Documents (CDs) that are in conformance with the associated discretionary permit conditions and Exhibit "A", and also the City's Multi-Species Conservation Program (MSCP) Land Use Adjacency Guidelines for the Multiple Habitat Planning Area (MHPA), including identifying adjacency as the potential for direct/indirect impacts where applicable. In addition, all CDs where applicable shall show the following:

1. **Land Development / Grading / Boundaries** –MHPA boundaries on-site and adjacent properties shall be delineated on the CDs. The ED shall ensure that all grading is included within the development footprint, specifically manufactured slopes, disturbance, and development within or adjacent to the MHPA.
2. **Drainage / Toxins** –All new and proposed parking lots and developed area in and adjacent to the MHPA shall be designed so they do not drain directly into the MHPA. All developed and paved areas must prevent the release of toxins, chemicals, petroleum products, exotic plant materials prior to release by incorporating the use of filtration devices, planted swales and/or planted detention/desiltation basins, or other approved permanent methods that are designed to minimize negative impacts, such as excessive water and toxins into the ecosystems of the MHPA.
3. **Staging/storage, equipment maintenance, and trash** –All areas for staging, storage of equipment and materials, trash, equipment maintenance, and other construction related activities are within the development footprint. Provide a note on the plans that states: *"All construction related activity that may have potential for leakage or intrusion shall be monitored by the Qualified Biologist/Owners Representative to ensure there is no impact to the MHPA."*
4. **Barriers** –All new development within or adjacent to the MHPA shall provide fencing or other City approved barriers along the MHPA boundaries to direct public access to appropriate locations, to reduce domestic animal predation, and to direct wildlife to appropriate corridor crossing. Permanent barriers may include, but are not limited to, fencing (6-foot black vinyl coated chain link or equivalent), walls, rocks/boulders, vegetated buffers, and signage for access, litter, and educational purposes.
5. **Lighting** – All building, site, and landscape lighting adjacent to the MHPA shall be directed away from the preserve using proper placement and adequate shielding to protect sensitive habitat. Where necessary, light from traffic or other incompatible uses, shall be shielded from the MHPA through the utilization of including, but not limited to, earth berms, fences, and/or plant material.
6. **Invasive Plants** – Plant species within 100 feet of the MHPA shall comply with the Landscape Regulations (LDC142.0400 and per table 142-04F, Revegetation and Irrigation Requirements) and be non invasive. Landscape plans shall include a note that states: *"The ongoing maintenance requirements of the property owner shall*

*prohibit the use of any planting that are invasive, per City Regulations, Standards, guidelines, etc., within 100 feet of the MHPA."*

7. **Brush Management** –All new development adjacent to the MHPA is set back from the MHPA to provide the required Brush Management Zone (BMZ) 1 area (LDC Sec. 142.0412) within the development area and outside of the MHPA. BMZ 2 may be located within the MHPA and the BMZ 2 management shall be the responsibility of a HOA or other private entity.
8. **Noise**- Due to the site's location adjacent to or within the MHPA, construction noise that exceeds the maximum levels allowed shall be avoided, during the breeding seasons for protected avian species such as: *California Gnatcatcher (3/1-8/15)*; *Least Bell's vireo (3/15-9/15)*; and *Southwestern Willow Flycatcher (5/1-8/30)*. If construction is proposed during the breeding season for the species, U.S. Fish and Wildlife Service protocol surveys shall be required in order to determine species presence/absence. When applicable, adequate noise reduction measures shall be incorporated. Upon project submittal EAS shall determine which of the following project specific avian protocol surveys shall be required.

#### COASTAL CALIFORNIA GNATCATCHER

NO CLEARING, GRUBBING, GRADING, OR OTHER CONSTRUCTION ACTIVITIES SHALL OCCUR BETWEEN MARCH 1 AND AUGUST 15, THE BREEDING SEASON OF THE COASTAL CALIFORNIA GNATCATCHER, UNTIL THE FOLLOWING REQUIREMENTS HAVE BEEN MET TO THE SATISFACTION OF THE CITY MANAGER:

- a. A QUALIFIED BIOLOGIST (POSSESSING A VALID ENDANGERED SPECIES ACT SECTION 10(a)(1)(A) RECOVERY PERMIT) SHALL SURVEY THOSE HABITAT AREAS WITHIN ADJACENT TO THE MHPA THAT WOULD BE SUBJECT TO CONSTRUCTION NOISE LEVELS EXCEEDING 60 DECIBELS [dB(A)] HOURLY AVERAGE FOR THE PRESENCE OF THE COASTAL CALIFORNIA GNATCATCHER. SURVEYS FOR THE COASTAL CALIFORNIA GNATCATCHER SHALL BE CONDUCTED PURSUANT TO THE PROTOCOL SURVEY GUIDELINES ESTABLISHED BY THE U.S. FISH AND WILDLIFE SERVICE WITHIN THE BREEDING SEASON PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. IF GNATCATCHERS ARE PRESENT, THEN THE FOLLOWING CONDITIONS MUST BE MET:

BETWEEN MARCH 1 AND AUGUST 15, NO CLEARING, GRUBBING, OR GRADING OF OCCUPIED GNATCATCHER HABITAT SHALL BE PERMITTED. AREAS RESTRICTED FROM SUCH ACTIVITIES SHALL BE STAKED OR FENCED UNDER THE SUPERVISION OF A QUALIFIED BIOLOGIST; AND

1. BETWEEN MARCH 1 AND AUGUST 15, NO CONSTRUCTION ACTIVITIES SHALL OCCUR WITHIN ANY PORTION OF THE SITE WHERE CONSTRUCTION ACTIVITIES WOULD RESULT IN NOISE LEVELS EXCEEDING 60 dB(A) HOURLY AVERAGE AT THE EDGE OF OCCUPIED GNATCATCHER HABITAT. AN ANALYSIS SHOWING THAT NOISE GENERATED BY CONSTRUCTION

ACTIVITIES WOULD NOT EXCEED 60 dB(A) HOURLY AVERAGE AT THE EDGE OF OCCUPIED HABITAT MUST BE COMPLETED BY A QUALIFIED ACOUSTICIAN (POSSESSING CURRENT NOISE ENGINEER LICENSE OR REGISTRATION WITH MONITORING NOISE LEVEL EXPERIENCE WITH LISTED ANIMAL SPECIES) AND APPROVED BY THE CITY MANAGER AT LEAST TWO WEEKS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES DURING THE BREEDING SEASON, AREAS RESTRICTED FROM SUCH ACTIVITIES SHALL BE STAKED OR FENCED UNDER THE SUPERVISION OF A QUALIFIED BIOLOGIST; OR

2. AT LEAST TWO WEEKS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, UNDER THE DIRECTION OF A QUALIFIED ACOUSTICIAN, NOISE ATTENUATION MEASURES (e.g., BERMS, WALLS) SHALL BE IMPLEMENTED TO ENSURE THAT NOISE LEVELS RESULTING FROM CONSTRUCTION ACTIVITIES WILL NOT EXCEED 60 dB(A) HOURLY AVERAGE AT THE EDGE OF HABITAT OCCUPIED BY THE COASTAL CALIFORNIA GNATCATCHER. CONCURRENT WITH THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES AND THE CONSTRUCTION OF NECESSARY NOISE ATTENUATION FACILITIES, NOISE MONITORING\* SHALL BE CONDUCTED AT THE EDGE OF THE OCCUPIED HABITAT AREA TO ENSURE THAT NOISE LEVELS DO NOT EXCEED 60 dB(A) HOURLY AVERAGE. IF THE NOISE ATTENUATION TECHNIQUES IMPLEMENTED ARE DETERMINED TO BE INADEQUATE BY THE QUALIFIED ACOUSTICIAN OR BIOLOGIST, THEN THE ASSOCIATED CONSTRUCTION ACTIVITIES SHALL CEASE UNTIL SUCH TIME THAT ADEQUATE NOISE ATTENUATION IS ACHIEVED OR UNTIL THE END OF THE BREEDING SEASON (AUGUST 16).

\* Construction noise monitoring shall continue to be monitored at least twice weekly on varying days, or more frequently depending on the construction activity, to verify that noise levels at the edge of occupied habitat are maintained below 60 dB(A) hourly average or to the ambient noise level if it already exceeds 60 dB(A) hourly average. If not, other measures shall be implemented in consultation with the biologist and the City Manager, as necessary, to reduce noise levels to below 60 dB(A) hourly average or to the ambient noise level if it already exceeds 60 dB(A) hourly average. Such measures may include, but are not limited to, limitations on the placement of construction equipment and the simultaneous use of equipment.

- b. IF COASTAL CALIFORNIA GNATCATCHERS ARE NOT DETECTED DURING THE PROTOCOL SURVEY, THE QUALIFIED BIOLOGIST SHALL SUBMIT SUBSTANTIAL EVIDENCE TO THE CITY MANAGER AND APPLICABLE RESOURCE AGENCIES WHICH DEMONSTRATES WHETHER OR NOT MITIGATION MEASURES SUCH AS NOISE WALLS ARE NECESSARY BETWEEN MARCH 1 AND AUGUST 15 AS FOLLOWS:

1. IF THIS EVIDENCE INDICATES THE POTENTIAL IS HIGH FOR COASTAL CALIFORNIA GNATCATCHER TO BE PRESENT BASED ON HISTORICAL RECORDS OR SITE CONDITIONS, THEN CONDITION A.III SHALL BE ADHERED TO AS SPECIFIED ABOVE.
2. IF THIS EVIDENCE CONCLUDES THAT NO IMPACTS TO THIS SPECIES ARE ANTICIPATED, NO MITIGATION MEASURES WOULD BE NECESSARY.

LEAST BELL'S VIREO (State Endangered/Federally Endangered)

NO CLEARING, GRUBBING, GRADING, OR OTHER CONSTRUCTION ACTIVITIES SHALL OCCUR BETWEEN MARCH 15 AND SEPTEMBER 15, THE BREEDING SEASON OF THE LEAST BELL'S VIREO, UNTIL THE FOLLOWING REQUIREMENTS HAVE BEEN MET TO THE SATISFACTION OF THE CITY MANAGER:

- A. A QUALIFIED BIOLOGIST (POSSESSING A VALID ENDANGERED SPECIES ACT SECTION 10(a)(1)(A) RECOVERY PERMIT) SHALL SURVEY THOSE WETLAND AREAS THAT WOULD BE SUBJECT TO CONSTRUCTION NOISE LEVELS EXCEEDING 60 DECIBELS [dB(A)] HOURLY AVERAGE FOR THE PRESENCE OF THE LEAST BELL'S VIREO. SURVEYS FOR THE THIS SPECIES SHALL BE CONDUCTED PURSUANT TO THE PROTOCOL SURVEY GUIDELINES ESTABLISHED BY THE U.S. FISH AND WILDLIFE SERVICE WITHIN THE BREEDING SEASON PRIOR TO THE COMMENCEMENT OF CONSTRUCTION. IF THE LEAST BELL'S VIREO IS PRESENT, THEN THE FOLLOWING CONDITIONS MUST BE MET:

BETWEEN MARCH 15 AND SEPTEMBER 15, NO CLEARING, GRUBBING, OR GRADING OF OCCUPIED LEAST BELL'S VIREO HABITAT SHALL BE PERMITTED. AREAS RESTRICTED FROM SUCH ACTIVITIES SHALL BE STAKED OR FENCED UNDER THE SUPERVISION OF A QUALIFIED BIOLOGIST; AND

BETWEEN MARCH 15 AND SEPTEMBER 15, NO CONSTRUCTION ACTIVITIES SHALL OCCUR WITHIN ANY PORTION OF THE SITE WHERE CONSTRUCTION ACTIVITIES WOULD RESULT IN NOISE LEVELS EXCEEDING 60 dB(A) HOURLY AVERAGE AT THE EDGE OF OCCUPIED LEAST BELL'S VIREO OR HABITAT. AN ANALYSIS SHOWING THAT NOISE GENERATED BY CONSTRUCTION ACTIVITIES WOULD NOT EXCEED 60 dB(A) HOURLY AVERAGE AT THE EDGE OF OCCUPIED HABITAT MUST BE COMPLETED BY A QUALIFIED ACOUSTICIAN (POSSESSING CURRENT NOISE ENGINEER LICENSE OR REGISTRATION WITH MONITORING NOISE LEVEL EXPERIENCE WITH LISTED ANIMAL SPECIES) AND APPROVED BY THE CITY MANAGER AT LEAST TWO WEEKS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES. PRIOR TO THE COMMENCEMENT OF ANY OF CONSTRUCTION ACTIVITIES DURING THE BREEDING SEASON, AREAS RESTRICTED FROM SUCH ACTIVITIES SHALL BE STAKED OR FENCED

UNDER THE SUPERVISION OF A QUALIFIED BIOLOGIST; OR

AT LEAST TWO WEEKS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, UNDER THE DIRECTION OF A QUALIFIED ACOUSTICIAN, NOISE ATTENUATION MEASURES (e.g., BERMS, WALLS) SHALL BE IMPLEMENTED TO ENSURE THAT NOISE LEVELS RESULTING FROM CONSTRUCTION ACTIVITIES WILL NOT EXCEED 60 dB(A) HOURLY AVERAGE AT THE EDGE OF HABITAT OCCUPIED BY THE LEAST BELL'S VIREO. CONCURRENT WITH THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES AND THE CONSTRUCTION OF NECESSARY NOISE ATTENUATION FACILITIES, NOISE MONITORING\* SHALL BE CONDUCTED AT THE EDGE OF THE OCCUPIED HABITAT AREA TO ENSURE THAT NOISE LEVELS DO NOT EXCEED 60 dB(A) HOURLY AVERAGE. IF THE NOISE ATTENUATION TECHNIQUES IMPLEMENTED ARE DETERMINED

TO BE INADEQUATE BY THE QUALIFIED ACOUSTICIAN OR BIOLOGIST, THEN THE ASSOCIATED CONSTRUCTION ACTIVITIES SHALL CEASE UNTIL SUCH TIME THAT ADEQUATE NOISE ATTENUATION IS ACHIEVED OR UNTIL THE END OF THE BREEDING SEASON (SEPTEMBER 15).

\* Construction noise monitoring shall continue to be monitored at least twice weekly on varying days, or more frequently depending on the construction activity, to verify that noise levels at the edge of occupied habitat are maintained below 60 dB(A) hourly average or to the ambient noise level if it already exceeds 60 dB(A) hourly average. If not, other measures shall be implemented in consultation with the biologist and the City Manager, as necessary, to reduce noise levels to below 60 dB(A) hourly average or to the ambient noise level if it already exceeds 60 dB(A) hourly average. Such measures may include, but are not limited to, limitations on the placement of construction equipment and the simultaneous use of equipment.

B. IF LEAST BELL'S VIREO ARE NOT DETECTED DURING THE PROTOCOL SURVEY, THE QUALIFIED BIOLOGIST SHALL SUBMIT SUBSTANTIAL EVIDENCE TO THE CITY MANAGER AND APPLICABLE RESOURCE AGENCIES WHICH DEMONSTRATES WHETHER OR NOT MITIGATION MEASURES SUCH AS NOISE WALLS ARE NECESSARY BETWEEN MARCH 15 AND SEPTEMBER 15 AS FOLLOWS:

- I. IF THIS EVIDENCE INDICATES THE POTENTIAL IS HIGH FOR LEAST BELL'S VIREO TO BE PRESENT BASED ON HISTORICAL RECORDS OR SITE CONDITIONS, THEN CONDITION A.III SHALL BE ADHERED TO AS SPECIFIED ABOVE.
- II. IF THIS EVIDENCE CONCLUDES THAT NO IMPACTS TO THIS SPECIES ARE ANTICIPATED, NO MITIGATION MEASURES WOULD BE NECESSARY.

SOUTHWESTERN WILLOW FLYCATCHER (Federally Endangered)

1. Prior to the first reconstruction meeting, the City Manager (or appointed designee) shall verify that the following project requirements regarding the southwestern willow flycatcher are shown on the construction plans:

NO CLEARING, GRUBBING, GRADING, OR OTHER CONSTRUCTION ACTIVITIES SHALL OCCUR BETWEEN MAY 1 AND SEPTEMBER 1, THE BREEDING SEASON OF THE SOUTHWESTERN WILLOW FLYCATCHER, UNTIL

THE FOLLOWING REQUIREMENTS HAVE BEEN MET TO THE SATISFACTION OF THE CITY MANAGER:

- A. A QUALIFIED BIOLOGIST (POSSESSING A VALID ENDANGERED SPECIES ACT SECTION 10(a)(1)(A) RECOVERY PERMIT) SHALL SURVEY THOSE WETLAND AREAS THAT WOULD BE SUBJECT TO CONSTRUCTION NOISE LEVELS EXCEEDING 60 DECIBELS [dB(A)] HOURLY AVERAGE FOR THE PRESENCE OF THE SOUTHWESTERN WILLOW FLYCATCHER. SURVEYS FOR THIS SPECIES SHALL BE CONDUCTED PURSUANT TO THE PROTOCOL SURVEY GUIDELINES ESTABLISHED BY THE U.S. FISH AND WILDLIFE SERVICE WITHIN THE BREEDING SEASON PRIOR TO THE COMMENCEMENT OF ANY CONSTRUCTION. IF THE SOUTHWESTERN WILLOW FLYCATCHER IS PRESENT, THEN THE FOLLOWING CONDITIONS MUST BE MET:

BETWEEN MAY 1 AND SEPTEMBER 1, NO CLEARING, GRUBBING, OR GRADING OF OCCUPIED SOUTHWESTERN WILLOW FLYCATCHER HABITAT SHALL BE PERMITTED. AREAS RESTRICTED FROM SUCH ACTIVITIES SHALL BE STAKED OR FENCED UNDER THE SUPERVISION OF A QUALIFIED BIOLOGIST; AND

BETWEEN MAY 1 AND SEPTEMBER 1, NO CONSTRUCTION ACTIVITIES SHALL OCCUR WITHIN ANY PORTION OF THE SITE WHERE CONSTRUCTION ACTIVITIES WOULD RESULT IN NOISE LEVELS EXCEEDING 60 dB(A) HOURLY AVERAGE AT THE EDGE OF OCCUPIED SOUTHWESTERN WILLOW FLYCATCHER HABITAT. AN ANALYSIS SHOWING THAT NOISE GENERATED BY CONSTRUCTION ACTIVITIES WOULD NOT EXCEED 60 dB(A) HOURLY AVERAGE AT THE EDGE OF OCCUPIED HABITAT MUST BE COMPLETED BY A QUALIFIED ACOUSTICIAN (POSSESSING CURRENT NOISE ENGINEER LICENSE OR REGISTRATION WITH MONITORING NOISE LEVEL EXPERIENCE WITH LISTED ANIMAL SPECIES) AND APPROVED BY THE CITY MANAGER AT LEAST TWO WEEKS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES DURING THE BREEDING SEASON, AREAS RESTRICTED FROM SUCH ACTIVITIES SHALL BE STAKED OR FENCED UNDER THE SUPERVISION OF A QUALIFIED BIOLOGIST; OR AT LEAST TWO WEEKS PRIOR TO THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES, UNDER THE DIRECTION OF A QUALIFIED ACOUSTICIAN,

NOISE ATTENUATION MEASURES (e.g., BERMS, WALLS) SHALL BE IMPLEMENTED TO ENSURE THAT NOISE LEVELS RESULTING FROM CONSTRUCTION ACTIVITIES WILL NOT EXCEED 60 dB(A) HOURLY AVERAGE AT THE EDGE OF HABITAT OCCUPIED BY THE SOUTHWESTERN WILLOW FLYCATCHER. CONCURRENT WITH THE COMMENCEMENT OF CONSTRUCTION ACTIVITIES AND THE CONSTRUCTION OF NECESSARY NOISE ATTENUATION FACILITIES, NOISE MONITORING\* SHALL BE CONDUCTED AT THE EDGE OF THE OCCUPIED HABITAT AREA TO ENSURE THAT NOISE LEVELS DO NOT EXCEED 60 dB(A) HOURLY AVERAGE. IF THE NOISE ATTENUATION TECHNIQUES IMPLEMENTED ARE DETERMINED TO BE INADEQUATE BY THE QUALIFIED ACOUSTICIAN OR BIOLOGIST, THEN THE ASSOCIATED CONSTRUCTION ACTIVITIES SHALL CEASE UNTIL SUCH TIME THAT ADEQUATE NOISE ATTENUATION IS ACHIEVED OR UNTIL THE END OF THE BREEDING SEASON (SEPTEMBER 1).

\* Construction noise monitoring shall continue to be monitored at least twice weekly on varying days, or more frequently depending on the construction activity, to verify that noise levels at the edge of occupied habitat are maintained below 60 dB(A) hourly average or to the ambient noise level if it already exceeds 60 dB(A) hourly average. If not, other measures shall be implemented in consultation with the biologist and the City Manager, as necessary, to reduce noise levels to below 60 dB(A) hourly average or to the ambient noise level if it already exceeds 60 dB(A) hourly average. Such measures may include, but are not limited to, limitations on the placement of construction equipment and the simultaneous use of equipment.

- B. IF SOUTHWESTERN WILLOW FLYCATCHER ARE NOT DETECTED DURING THE PROTOCOL SURVEY, THE QUALIFIED BIOLOGIST SHALL SUBMIT SUBSTANTIAL EVIDENCE TO THE CITY MANAGER AND APPLICABLE RESOURCE AGENCIES WHICH DEMONSTRATES WHETHER OR NOT MITIGATION MEASURES SUCH AS NOISE WALLS ARE NECESSARY BETWEEN MAY 1 AND SEPTEMBER 1 AS FOLLOWS:
- I. IF THIS EVIDENCE INDICATES THE POTENTIAL IS HIGH FOR SOUTHWESTERN WILLOW FLYCATCHER TO BE PRESENT BASED ON HISTORICAL RECORDS OR SITE CONDITIONS, THEN CONDITION A.III SHALL BE ADHERED TO AS SPECIFIED ABOVE.
  - II. IF THIS EVIDENCE CONCLUDES THAT NO IMPACTS TO THIS SPECIES ARE ANTICIPATED, NO MITIGATION MEASURES WOULD BE NECESSARY.

## II. Prior to Start of Construction

### A. Preconstruction Meeting

The Qualified Biologist/Owners Representative shall incorporate all MHPA construction related requirements, into the project's Biological Monitoring Exhibit (BME).



The Qualified Biologist/Owners Representative is responsible to arrange and perform a focused pre-con with all contractors, subcontractors, and all workers involved in grading or other construction activities that discusses the sensitive nature of the adjacent sensitive biological resources.

### III. During Construction

A. The Qualified Biologist/Owners Representative, shall verify that all construction related activities taking place within or adjacent to the MHPA are consistent with the CDs, the MSCP/MHPA Land Use Adjacency Guidelines. The Qualified Biologist/Owners Representative shall monitor and ensure that:

1. **Land Development /Grading Boundaries** - The MHPA boundary and the limits of grading shall be clearly delineated by a survey crew prior to brushing, clearing, or grading. Limits shall be defined with orange construction fence and a siltation fence (can be combined) under the supervision of the Qualified Biologist/Owners Representative who shall provide a letter of verification to RE/MMC that all limits were marked as required. ~~Within or adjacent~~ to the MHPA, all manufactured slopes associated with site development shall be included within the development footprint.
2. **Drainage/Toxics** - No Direct drainage into the MHPA shall occur during or after construction and that filtration devices, swales and/or detention/desiltation basins that drain into the MHPA are functioning properly during construction, and that permanent maintenance after construction is addressed. These systems should be maintained approximately once a year, or as often as needed, to ensure proper functioning. Maintenance should include dredging out sediments if needed, removing exotic plant materials, and adding chemical-neutralizing compounds (e.g. clay compounds) when necessary and appropriate.
3. **Staging/storage, equipment maintenance, and trash** - Identify all areas for staging, storage of equipment and materials, trash, equipment maintenance, and other construction related activities on the monitoring exhibits and verify that they are within the development footprint. Comply with the applicable notes on the plans
4. **Barriers** - New development adjacent to the MHPA provides city approved barriers along the MHPA boundaries
5. **Lighting** - Periodic night inspections are performed to verify that all lighting adjacent to the MHPA is directed away from preserve areas and appropriate placement and shielding is used.
6. **Invasives** - No invasive plant species are used in or adjacent (within 100 feet) to the MHPA and that within the MHPA, all plant species must be native.
7. **Brush Management** - BMZ1 is within the development footprint and outside of the MHPA, and that maintenance responsibility for the BMZ 2 located within the MHPA is identified as the responsibility of an HOA or other private entity.
8. **Noise** - For any area of the site that is adjacent to or within the MHPA, construction noise that exceeds the maximum levels allowed, shall be avoided, during the breeding seasons, for protected avian species such as: *California Gnatcatcher* (3/1-8/15); *Least Bell's vireo* (3/15-9/15); and *Southwestern Willow Flycatcher* (5/1-8/30). If construction is proposed during the breeding season for the species, U.S. Fish and Wildlife Service protocol surveys will be required in order to determine species presence/absence. When applicable, adequate noise reduction measures shall

be incorporated.

#### IV. Post Construction

##### A. Preparation and Submittal of Monitoring Report

The Qualified Biologist/Owners Representative shall submit a final biological monitoring report to the RE/MMC within 30 days of the completion of construction that requires monitoring. The report shall incorporate the results of the MMRP/MSCP requirements per the construction documents and the BME to the satisfaction of RE/MMC.

##### B. HISTORICAL RESOURCES (ARCHAEOLOGY)

###### Prior to Permit Issuance or Bid Opening/Bid Award

###### A. Entitlements Plan Check

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

###### B. Letters of Qualification have been submitted to ADD

1. Prior to Bid Award, the applicant shall submit a letter of verification to Mitigation Monitoring Coordination (MMC) identifying the Principal Investigator (PI) for the project and the names of all persons involved in the archaeological monitoring program, as defined in the City of San Diego Historical Resources Guidelines (HRG). If applicable, individuals involved in the archaeological monitoring program must have completed the 40-hour HAZWOPER training with certification documentation.
2. MMC will provide a letter to the applicant confirming the qualifications of the PI and all persons involved in the archaeological monitoring of the project meet the qualifications established in the HRG.
3. Prior to the start of work, the applicant must obtain written approval from MMC for any personnel changes associated with the monitoring program.

#### II. Prior to Start of Construction

##### A. Verification of Records Search

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

##### B. PI Shall Attend Precon Meetings

1. Prior to beginning any work that requires monitoring, the Applicant shall arrange a Precon Meeting that shall include the PI, Native American consultant/monitor (where Native American resources may be impacted), Construction Manager (CM)

and/or Grading Contractor, Resident Engineer (RE), Building Inspector (BI), if appropriate, and MMC. The qualified Archaeologist and Native American Monitor shall attend any grading/excavation related Precon Meetings to make comments and/or suggestions concerning the Archaeological Monitoring program with the Construction Manager and/or Grading Contractor.

- a. If the PI is unable to attend the Precon Meeting, the Applicant shall schedule a focused Precon Meeting with MMC, the PI, RE, CM or BI, if appropriate, prior to the start of any work that requires monitoring.
2. Acknowledgement of Responsibility for Curation (CIP or Other Public Projects)  
The applicant shall submit a letter to MMC acknowledging their responsibility for the cost of curation associated with all phases of the archaeological monitoring program.
  3. Identify Areas to be Monitored
    - b. Prior to the start of any work that requires monitoring, the PI shall submit an Archaeological Monitoring Exhibit (AME) (with verification that the AME has been reviewed and approved by the Native American consultant/monitor when Native American resources may be impacted) based on the appropriate construction documents (reduced to 11x17) to MMC identifying the areas to be monitored including the delineation of grading/excavation limits.
    - c. The AME shall be based on the results of a site specific records search as well as information regarding the age of existing pipelines, laterals and associated appurtenances and/or any known soil conditions (native or formation).
    - d. MMC shall notify the PI that the AME has been approved.
  4. When Monitoring Will Occur
    - a. Prior to the start of any work, the PI shall also submit a construction schedule to MMC through the RE indicating when and where monitoring will occur.
    - b. The PI may submit a detailed letter to MMC prior to the start of work or during construction requesting a modification to the monitoring program. This request shall be based on relevant information such as review of final construction documents which indicate conditions such as age of existing pipe to be replaced, depth of excavation and/or site graded to bedrock, etc., which may reduce or increase the potential for resources to be present.
  5. Approval of AME and Construction Schedule  
After approval of the AME by MMC, the PI shall submit to MMC written authorization of the AME and Construction Schedule from the CM.

### III. During Construction

- A. Monitor Shall be Present During Grading/Excavation/Trenching
  1. The Archaeological Monitor shall be present full-time during all soil disturbing and grading/excavation/trenching activities which could result in impacts to archaeological resources as identified on the AME. **The Construction Manager is responsible for notifying the RE, PI, and MMC of changes to any construction activities such as in the case of a potential safety concern within the area being monitored. In certain circumstances OSHA safety requirements may necessitate modification of the AME.**
  2. The Native American consultant/monitor shall determine the extent of their presence during soil disturbing and grading/excavation/trenching activities based on the AME and provide that information to the PI and MMC. If prehistoric resources are

encountered during the Native American consultant/monitor's absence, work shall stop and the Discovery Notification Process detailed in Section III.B-C and IV.A-D shall commence.

3. The PI may submit a detailed letter to MMC during construction requesting a modification to the monitoring program when a field condition such as modern disturbance post-dating the previous grading/trenching activities, presence of fossil formations, or when native soils are encountered that may reduce or increase the potential for resources to be present.
  4. The archaeological and Native American consultant/monitor shall document field activity via the Consultant Site Visit Record (CSV). The CSV's shall be faxed by the CM to the RE the first day of monitoring, the last day of monitoring, monthly (**Notification of Monitoring Completion**), and in the case of ANY discoveries. The RE shall forward copies to MMC.
- B. Discovery Notification Process
1. In the event of a discovery, the Archaeological Monitor shall direct the contractor to temporarily divert all soil disturbing activities, including but not limited to digging, trenching, excavating or grading activities in the area of discovery and in the area reasonably suspected to overlay adjacent resources and immediately notify the RE or BI, as appropriate.
  2. The Monitor shall immediately notify the PI (unless Monitor is the PI) of the discovery.
  3. The PI shall immediately notify MMC by phone of the discovery, and shall also submit written documentation to MMC within 24 hours by fax or email with photos of the resource in context, if possible.
  4. No soil shall be exported off-site until a determination can be made regarding the significance of the resource specifically if Native American resources are encountered.
- C. Determination of Significance
1. The PI and Native American consultant/monitor, where Native American resources are discovered shall evaluate the significance of the resource. If Human Remains are involved, follow protocol in Section IV below.
    - a. The PI shall immediately notify MMC by phone to discuss significance determination and shall also submit a letter to MMC indicating whether additional mitigation is required.
    - b. If the resource is significant, the PI shall submit an Archaeological Data Recovery Program (ADRP) and obtain written approval of the program from MMC, CM and RE. ADRP and any mitigation must be approved by MMC, RE and/or CM before ground disturbing activities in the area of discovery will be allowed to resume. **Note: If a unique archaeological site is also an historical resource as defined in CEQA Section 15064.5, then the limits on the amount(s) that a project applicant may be required to pay to cover mitigation costs as indicated in CEQA Section 21083.2 shall not apply.**
      - (1). Note: For pipeline trenching and other linear projects in the public Right-of-Way, the PI shall implement the Discovery Process for Pipeline Trenching projects identified below under "D."
    - c. If the resource is not significant, the PI shall submit a letter to MMC indicating that artifacts will be collected, curated, and documented in the Final Monitoring Report. The letter shall also indicate that that no further work is required.

- (1). Note: For Pipeline Trenching and other linear projects in the public Right-of-Way, if the deposit is limited in size, both in length and depth; the information value is limited and is not associated with any other resource; and there are no unique features/artifacts associated with the deposit, the discovery should be considered not significant.
- (2). Note, for Pipeline Trenching and other linear projects in the public Right-of-Way, if significance cannot be determined, the Final Monitoring Report and Site Record (DPR Form 523A/B) shall identify the discovery as Potentially Significant.

**D. Discovery Process for Significant Resources - Pipeline Trenching and other Linear Projects in the Public Right-of-Way**

The following procedure constitutes adequate mitigation of a significant discovery encountered during pipeline trenching activities or for other linear project types within the Public Right-of-Way including but not limited to excavation for jacking pits, receiving pits, laterals, and manholes to reduce impacts to below a level of significance:

1. Procedures for documentation, curation and reporting
  - a. One hundred percent of the artifacts within the trench alignment and width shall be documented in-situ, to include photographic records, plan view of the trench and profiles of side walls, recovered, photographed after cleaning and analyzed and curated. The remainder of the deposit within the limits of excavation (trench walls) shall be left intact.
  - b. The PI shall prepare a Draft Monitoring Report and submit to MMC via the RE as indicated in Section VI-A.
  - c. The PI shall be responsible for recording (on the appropriate State of California Department of Park and Recreation forms-DPR 523 A/B) the resource(s) encountered during the Archaeological Monitoring Program in accordance with the City's Historical Resources Guidelines. The DPR forms shall be submitted to the South Coastal Information Center for either a Primary Record or SDI Number and included in the Final Monitoring Report.
  - d. The Final Monitoring Report shall include a recommendation for monitoring of any future work in the vicinity of the resource.

**IV. Discovery of Human Remains**

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

**A. Notification**

1. Archaeological Monitor shall notify the RE or BI as appropriate, MMC, and the PI, if the Monitor is not qualified as a PI. MMC will notify the appropriate Senior Planner in the Environmental Analysis Section (EAS) of the Development Services Department to assist with the discovery notification process.
2. The PI shall notify the Medical Examiner after consultation with the RE, either in person or via telephone.

**B. Isolate discovery site**

1. Work shall be directed away from the location of the discovery and any nearby area reasonably suspected to overlay adjacent human remains until a determination can

- be made by the Medical Examiner in consultation with the PI concerning the provenience of the remains.
2. The Medical Examiner, in consultation with the PI, will determine the need for a field examination to determine the provenience.
  3. If a field examination is not warranted, the Medical Examiner will determine with input from the PI, if the remains are or are most likely to be of Native American origin.
- C. If Human Remains **ARE** determined to be Native American
1. The Medical Examiner will notify the Native American Heritage Commission (NAHC) within 24 hours. By law, **ONLY** the Medical Examiner can make this call.
  2. NAHC will immediately identify the person or persons determined to be the Most Likely Descendent (MLD) and provide contact information.
  3. The MLD will contact the PI within 24 hours or sooner after the Medical Examiner has completed coordination, to begin the consultation process in accordance with CEQA Section 15064.5(e), the California Public Resources and Health & Safety Codes.
  4. The MLD will have 48 hours to make recommendations to the property owner or representative, for the treatment or disposition with proper dignity, of the human remains and associated grave goods.
  5. Disposition of Native American Human Remains will be determined between the MLD and the PI, and, if:
    - a. The NAHC is unable to identify the MLD, OR the MLD failed to make a recommendation within 48 hours after being notified by the Commission, OR;
    - b. The landowner or authorized representative rejects the recommendation of the MLD and mediation in accordance with PRC 5097.94 (k) by the NAHC fails to provide measures acceptable to the landowner, THEN
    - c. To protect these sites, the landowner shall do one or more of the following:
      - (1) Record the site with the NAHC;
      - (2) Record an open space or conservation easement; or
      - (3) Record a document with the County.
    - d. Upon the discovery of multiple Native American human remains during a ground disturbing land development activity, the landowner may agree that additional conferral with descendants is necessary to consider culturally appropriate treatment of multiple Native American human remains. Culturally appropriate treatment of such a discovery may be ascertained from review of the site utilizing cultural and archaeological standards. Where the parties are unable to agree on the appropriate treatment measures the human remains and items associated and buried with Native American human remains shall be reinterred with appropriate dignity, pursuant to Section 5.c., above.
- D. If Human Remains are **NOT** Native American
1. The PI shall contact the Medical Examiner and notify them of the historic era context of the burial.
  2. The Medical Examiner will determine the appropriate course of action with the PI and City staff (PRC 5097.98).
  3. If the remains are of historic origin, they shall be appropriately removed and conveyed to the San Diego Museum of Man for analysis. The decision for internment of the human remains shall be made in consultation with MMC, EAS, the applicant/landowner, any known descendant group, and the San Diego Museum of

## V. Night and/or Weekend Work

- A. If night and/or weekend work is included in the contract
1. When night and/or weekend work is included in the contract package, the extent and timing shall be presented and discussed at the precon meeting.
  2. The following procedures shall be followed.
    - a. No Discoveries  
In the event that no discoveries were encountered during night and/or weekend work, the PI shall record the information on the CSV.R and submit to MMC via fax by 8AM of the next business day.
    - b. Discoveries  
All discoveries shall be processed and documented using the existing procedures detailed in Sections III - During Construction, and IV - Discovery of Human Remains. Discovery of human remains shall always be treated as a significant discovery.
    - c. Potentially Significant Discoveries  
If the PI determines that a potentially significant discovery has been made, the procedures detailed under Section III - During Construction and IV-Discovery of Human Remains shall be followed.
    - d. The PI shall immediately contact the RE and MMC, or by 8AM of the next business day to report and discuss the findings as indicated in Section III-B, unless other specific arrangements have been made.
- B. If night and/or weekend work becomes necessary during the course of construction
1. The Construction Manager shall notify the RE, or BI, as appropriate, a minimum of 24 hours before the work is to begin.
  2. The RE, or BI, as appropriate, shall notify MMC immediately.
- C. All other procedures described above shall apply, as appropriate.

## VI. Post Construction

- A. Submittal of Draft Monitoring Report
1. The PI shall submit two copies of the Draft Monitoring Report (even if negative), prepared in accordance with the Historical Resources Guidelines (Appendix C/D) which describes the results, analysis, and conclusions of all phases of the Archaeological Monitoring Program (with appropriate graphics) to MMC via the RE for review and approval within 90 days following the completion of monitoring. **It should be noted that if the PI is unable to submit the Draft Monitoring Report within the allotted 90-day timeframe as a result of delays with analysis, special study results or other complex issues, a schedule shall be submitted to MMC establishing agreed due dates and the provision for submittal of monthly status reports until this measure can be met.**
    - a. For significant archaeological resources encountered during monitoring, the Archaeological Data Recovery Program or Pipeline Trenching Discovery Process shall be included in the Draft Monitoring Report.
    - b. Recording Sites with State of California Department of Parks and Recreation  
The PI shall be responsible for recording (on the appropriate State of California Department of Park and Recreation forms-DPR 523 A/B) any significant or potentially significant resources encountered during the Archaeological Monitoring Program in accordance with the City's Historical Resources Guidelines, and submittal of such forms to the South Coastal Information Center with the Final Monitoring Report.

2. MMC shall return the Draft Monitoring Report to the PI via the RE for revision or, for preparation of the Final Report.
3. The PI shall submit revised Draft Monitoring Report to MMC via the RE for approval.
4. MMC shall provide written verification to the PI of the approved report.
5. MMC shall notify the RE or BI, as appropriate, of receipt of all Draft Monitoring Report submittals and approvals.

**B. Handling of Artifacts**

1. The PI shall be responsible for ensuring that all cultural remains collected are cleaned and catalogued.
2. The PI shall be responsible for ensuring that all artifacts are analyzed to identify function and chronology as they relate to the history of the area; that faunal material is identified as to species; and that specialty studies are completed, as appropriate.

**C. Curation of artifacts: Accession Agreement and Acceptance Verification**

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

**D. Final Monitoring Report(s)**

1. The PI shall submit one copy of the approved Final Monitoring Report to the RE or BI as appropriate, and one copy to MMC (even if negative), within 90 days after notification from MMC of the approved report.
2. The RE shall, in no case, issue the Notice of Completion until receiving a copy of the approved Final Monitoring Report from MMC which includes the Acceptance Verification from the curation institution.

**C. PALEONTOLOGICAL RESOURCES**

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

**A. Entitlements Plan Check**

1. Prior to permit issuance or Bid Opening/Bid Award, whichever is applicable, the Assistant Deputy Director (ADD) Environmental designee shall verify that the requirements for Paleontological Monitoring have been noted on the appropriate construction documents.

**B. Letters of Qualification have been submitted to ADD**

1. Prior to Bid Award, the applicant shall submit a letter of verification to Mitigation Monitoring Coordination (MMC) identifying the Principal Investigator (PI) for the



- project and the names of all persons involved in the paleontological monitoring program, as defined in the City of San Diego Paleontology Guidelines.
2. MMC will provide a letter to the applicant confirming the qualifications of the PI and all persons involved in the paleontological monitoring of the project.
  3. Prior to the start of work, the applicant shall obtain approval from MMC for any personnel changes associated with the monitoring program.

## II. Prior to Start of Construction

### A. Verification of Records Search

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

### B. PI Shall Attend Precon Meetings

1. Prior to beginning any work that requires monitoring, the Applicant shall arrange a Precon Meeting that shall include the PI, Construction Manager (CM) and/or Grading Contractor, Resident Engineer (RE), Building Inspector (BI), if appropriate, and MMC. The qualified paleontologist shall attend any grading/excavation related Precon Meetings to make comments and/or suggestions concerning the Paleontological Monitoring program with the Construction Manager and/or Grading Contractor.
  - a. If the PI is unable to attend the Precon Meeting, the Applicant shall schedule a focused Precon Meeting with MMC, the PI, RE, CM or BI, if appropriate, prior to the start of any work that requires monitoring.
2. Acknowledgement of Responsibility for Curation (CIP or Other Public Projects)  
The applicant shall submit a letter to MMC acknowledging their responsibility for the cost of curation associated with all phases of the paleontological monitoring program.
3. Identify Areas to be Monitored
  - a. Prior to the start of any work that requires monitoring, the PI shall submit a Paleontological Monitoring Exhibit (PME) based on the appropriate construction documents (reduced to 11x17) to MMC for approval identifying the areas to be monitored including the delineation of grading/excavation limits. Monitoring shall begin at depths below 10 feet from existing grade or as determined by the PI in consultation with MMC. The determination shall be based on site specific records search data which supports monitoring at depths less than ten feet.
    - b. The PME shall be based on the results of a site specific records search as well as information regarding existing known soil conditions (native or formation).
    - c. MMC shall notify the PI that the PME has been approved.
- d. 4. When Monitoring Will Occur
  - a. Prior to the start of any work, the PI shall also submit a construction schedule to MMC through the RE indicating when and where monitoring will occur.
  - b. The PI may submit a detailed letter to MMC prior to the start of work or during construction requesting a modification to the monitoring program. This request shall be based on relevant information such as review of final construction

documents which indicate conditions such as depth of excavation and/or site graded to bedrock, presence or absence of fossil resources, etc., which may reduce or increase the potential for resources to be present.

5. Approval of PME and Construction Schedule

After approval of the PME by MMC, the PI shall submit to MMC written authorization of the PME and Construction Schedule from the CM.

### III. During Construction

#### A. Monitor Shall be Present During Grading/Excavation/Trenching

1. The monitor shall be present full-time during grading/excavation/trenching activities including, but not limited to mainline, laterals, jacking and receiving pits, services and all other appurtenances associated with underground utilities as identified on the PME that could result in impacts to formations with high and/or moderate resource sensitivity. **The Construction Manager is responsible for notifying the RE, PI, and MMC of changes to any construction activities such as in the case of a potential safety concern within the area being monitored. In certain circumstances OSHA safety requirements may necessitate modification of the PME.**
2. The PI may submit a detailed letter to MMC during construction requesting a modification to the monitoring program when a field condition such as trenching activities that do not encounter formational soils as previously assumed, and/or when unique/unusual fossils are encountered, which may reduce or increase the potential for resources to be present.
3. The monitor shall document field activity via the Consultant Site Visit Record (CSV). The CSV's shall be faxed by the CM to the RE the first day of monitoring, the last day of monitoring, monthly (**Notification of Monitoring Completion**), and in the case of ANY discoveries. The RE shall forward copies to MMC.

#### B. Discovery Notification Process

1. In the event of a discovery, the Paleontological Monitor shall direct the contractor to temporarily divert trenching activities in the area of discovery and immediately notify the RE or BI, as appropriate.
2. The Monitor shall immediately notify the PI (unless Monitor is the PI) of the discovery.
3. The PI shall immediately notify MMC by phone of the discovery, and shall also submit written documentation to MMC within 24 hours by fax or email with photos of the resource in context, if possible.

#### C. Determination of Significance

1. The PI shall evaluate the significance of the resource.
  - a. The PI shall immediately notify MMC by phone to discuss significance determination and shall also submit a letter to MMC indicating whether additional mitigation is required. The determination of significance for fossil discoveries shall be at the discretion of the PI.
  - b. If the resource is significant, the PI shall submit a Paleontological Recovery Program (PRP) and obtain written approval of the program from MMC, MC and/or RE. PRP and any mitigation must be approved by MMC, RE and/or CM before ground disturbing activities in the area of discovery will be allowed to resume.

- (1). Note: For pipeline trenching projects only, the PI shall implement the Discovery Process for Pipeline Trenching projects identified below under "D."
  - c. If resource is not significant (e.g., small pieces of broken common shell fragments or other scattered common fossils) the PI shall notify the RE, or BI as appropriate, that a non-significant discovery has been made. The Paleontologist shall continue to monitor the area without notification to MMC unless a significant resource is encountered.
  - d. The PI shall submit a letter to MMC indicating that fossil resources will be collected, curated, and documented in the Final Monitoring Report. The letter shall also indicate that no further work is required.
    - (1). Note: For Pipeline Trenching Projects Only. If the fossil discovery is limited in size, both in length and depth; the information value is limited and there are no unique fossil features associated with the discovery area, then the discovery should be considered not significant.
    - (2). Note, for Pipeline Trenching Projects Only: If significance can not be determined, the Final Monitoring Report and Site Record shall identify the discovery as Potentially Significant.
- D. Discovery Process for Significant Resources - Pipeline Trenching Projects
- The following procedure constitutes adequate mitigation of a significant discovery encountered during pipeline trenching activities including but not limited to excavation for jacking pits, receiving pits, laterals, and manholes to reduce impacts to below a level of significance.
1. Procedures for documentation, curation and reporting
    - a. One hundred percent of the fossil resources within the trench alignment and width shall be documented in-situ photographically, drawn in plan view (trench and profiles of side walls), recovered from the trench and photographed after cleaning, then analyzed and curated consistent with Society of Invertebrate Paleontology Standards. The remainder of the deposit within the limits of excavation (trench walls) shall be left intact and so documented.
    - b. The PI shall prepare a Draft Monitoring Report and submit to MMC via the RE as indicated in Section VI-A.
    - c. The PI shall be responsible for recording (on the appropriate forms for the San Diego Natural History Museum) the resource(s) encountered during the Paleontological Monitoring Program in accordance with the City's Paleontological Guidelines. The forms shall be submitted to the San Diego Natural History Museum and included in the Final Monitoring Report.
    - d. The Final Monitoring Report shall include a recommendation for monitoring of any future work in the vicinity of the resource.

#### IV. Night and/or Weekend Work

- A. If night and/or weekend work is included in the contract
  1. When night and/or weekend work is included in the contract package, the extent and timing shall be presented and discussed at the precon meeting.
  2. The following procedures shall be followed.
    - a. No Discoveries

In the event that no discoveries were encountered during night and/or weekend work, The PI shall record the information on the CSVr and submit to MMC via the RE via fax by 8AM on the next business day.

- b. Discoveries  
All discoveries shall be processed and documented using the existing procedures detailed in Sections III - During Construction.
  - c. Potentially Significant Discoveries  
If the PI determines that a potentially significant discovery has been made, the procedures detailed under Section III - During Construction shall be followed.
  - d. The PI shall immediately contact the RE and MMC, or by 8AM on the next business day to report and discuss the findings as indicated in Section III-B, unless other specific arrangements have been made.
- B. If night and/or weekend work becomes necessary during the course of construction
    - 1. The Construction Manager shall notify the RE, or BI, as appropriate, a minimum of 24 hours before the work is to begin.
    - 2. The RE, or BI, as appropriate, shall notify MMC immediately.
  - C. All other procedures described above shall apply, as appropriate.

## V. Post Construction

- A. Preparation and Submittal of Draft Monitoring Report
  - 1. The PI shall submit two copies of the Draft Monitoring Report (even if negative), prepared in accordance with the Paleontological Guidelines which describes the results, analysis, and conclusions of all phases of the Paleontological Monitoring Program (with appropriate graphics) to MMC via the RE for review and approval within 90 days following the completion of monitoring.
    - a. For significant paleontological resources encountered during monitoring, the Paleontological Recovery Program or Pipeline Trenching Discovery Process shall be included in the Draft Monitoring Report.
    - b. Recording Sites with the San Diego Natural History Museum  
The PI shall be responsible for recording (on the appropriate forms) any significant or potentially significant fossil resources encountered during the Paleontological Monitoring Program in accordance with the City's Paleontological Guidelines, and submittal of such forms to the San Diego Natural History Museum with the Final Monitoring Report.
  - 2. MMC shall return the Draft Monitoring Report to the PI via the RE for revision or, for preparation of the Final Report.
  - 3. The PI shall submit revised Draft Monitoring Report to MMC via the RE for approval.
  - 4. MMC shall provide written verification to the PI of the approved report.
  - 5. MMC shall notify the RE or BI, as appropriate, of receipt of all Draft Monitoring Report submittals and approvals.
- B. Handling of Fossil Remains
  - 1. The PI shall be responsible for ensuring that all fossil remains collected are cleaned and catalogued.
- C. Curation of artifacts: Deed of Gift and Acceptance Verification
  - 1. The PI shall be responsible for ensuring that all fossil remains associated with the monitoring for this project are permanently curated with an appropriate institution.
  - 2. The PI shall submit the Deed of Gift and catalogue record(s) to the RE or BI, as appropriate for donor signature with a copy submitted to MMC.
  - 3. The RE or BI, as appropriate shall obtain signature on the Deed of Gift and shall return to PI with copy submitted to MMC.

4. The PI shall include the Acceptance Verification from the curation institution in the Final Monitoring Report submitted to the RE or BI and MMC.
- D. Final Monitoring Report(s)
1. The PI shall submit two copies of the Final Monitoring Report to MMC (even if negative), within 90 days after notification from MMC of the approved report.
  2. The RE shall, in no case, issue the Notice of Completion until receiving a copy of the approved Final Monitoring Report from MMC which includes the Acceptance Verification from the curation institution.

**D. HISTORICAL RESOURCES (BUILT ENVIRONMENT)**

When a future project requires implementation of this mitigation measure, the following paragraph shall be included in the subsequent environmental document and applicable Historic District name, boundary and district guidelines, if applicable shall be inserted as noted below in [brackets]:

The project is located within the [[insert District name]] Historic District, bounded by [[enter District boundary]] All work within the District boundary must be consistent with the City's Historical Resources Regulations, the U.S. Secretary of the Interior's Standards and the [[enter district guidelines if applicable]] District Design Guidelines. The following mitigation measures are required within the District boundary and shall ensure consistency with these regulations, Standards and guidelines.

- A. Prior to beginning any work at the site, a Pre Construction meeting that includes Historic Resources and MMC staff shall be held at the project site to review these mitigation measures and requirements within the District boundary.
- B. A Historic Sidewalk Stamp Inventory prepared by a qualified historic consultant or archaeologist and approved by HRB staff is required prior to the Pre-Construction (Pre-Con) meeting. The Inventory shall include photo documentation of all existing stamps within the project area keyed to a project site plan.
- C. Existing sidewalk stamps shall be preserved in place. Where existing sidewalk stamps must be impacted to accommodate right-of-way improvements, the following actions are required:
  1. A mold of the sidewalk stamp will be made to allow reconstruction of the stamp if destroyed during relocation.
  2. The sidewalk stamp shall be saw-cut to preserve the stamp in its entirety; relocated as near as possible to the original location; and set in the same orientation.
  3. If the sidewalk stamp is destroyed during relocation, a new sidewalk stamp shall be made from the mold taken and relocated as near as possible to the original location and set in the same orientation.
- D. No new sidewalk stamps shall be added by any contractor working on the project.
- E. Existing historic sidewalk, parkway and street widths shall be maintained. Any work that requires alteration of these widths shall be approved by Historic Resources staff.
- F. Existing historic curb heights and appearance shall be maintained. Any work that requires alteration of the existing height or appearance shall be approved by Historic Resources staff.

- G. Sections of sidewalk which may be impacted by the project shall be replaced in-kind to match the historic color, texture and scoring pattern of the original sidewalks. If the original color, scoring pattern or texture is not present at the location of the impact, the historically appropriate color, texture and scoring pattern found throughout the district shall be used.
- H. Truncated domes used at corner curb ramps shall be dark gray in color.
- I. Existing historic lighting, such as acorn lighting shall remain. New lighting shall be consistent with existing lighting fixtures, or fixtures specified in any applicable District Design Guidelines.
- J. Existing mature street trees shall remain. New street trees shall be consistent with the prevalent mature species in the District and/or species specified in any applicable District Design Guidelines.
- K. Any walls located within the right-of-way or on private property are considered historic and may not be impacted without prior review and approval by Historic Resources staff.

VI. PUBLIC REVIEW DISTRIBUTION:

Draft copies or notice of this Mitigated Negative Declaration were distributed to:

United States Government

- Fish and Wildlife Service (23)
- MCAS Miramar (13)
- Naval Facilities Engineering Command Southwest (8)

State of California

- Department of Fish and Game (32A)
- State Clearing House (46)
- Resources Agency (43)
- Native American Heritage Commission (56)
- State Historic Preservation Officer (41)
- Regional Water Quality Control Board (44)
- Water Resources (45)
- Water Resources Control Board (55)
- Coastal Commission (48)
- Caltrans District 11 (31)

County of San Diego

- Department of Environmental Health (75)
- Planning and Land Use (68)
- Water Authority (73)

City of San Diego

- Office of the Mayor (91)
- Council President Young, District 4 (MS 10A)
- Councilmember Lightner, District 1 (MS 10A)
- Councilmember Faulconer, District 2 (MS 10A)
- Councilmember Gloria, District 3 (MS 10A)
- Councilmember DeMaio, District 5 (MS 10A)

Councilmember Zapf, District 6 (MS 10A)  
Councilmember Emerald, District 7 (MS 10A)  
Councilmember Alvarez, District 8 (MS 10A)  
Historical Resource Board (87)  
City Attorney (MS 56A)  
    Shannon Thomas (MS 93C)  
Engineering and Capital Projects  
    Marc Cass (MS 908A)  
    Allison Sherwood (MS 908A)  
    Matthew DeBeliso (MS 908A)  
    Akram Bassyouni (MS 908A)  
    Michael Ninh (MS 908A)  
    Roman Anissi (MS 908A)  
    Daniel Tittle (MS 908A)  
Development Services Department  
    Myra Herrmann (MS 501)  
    Kristen Forburger (MS 401)  
    Jeanne Krosch (MS 401)  
    Kelley Stanco (MS 501)  
Library Dept.-Gov. Documents MS 17 (81)  
    Balboa Branch Library (81B)  
    Beckwourth Branch Library (81C)  
    Benjamin Branch Library (81D)  
    Carmel Mountain Ranch Branch (81E)  
    Carmel Valley Branch Library (81F)  
    City Heights/Weingart Branch Library (81G)  
    Clairemont Branch Library (81H)  
    College-Rolando Branch Library (81I)  
    Kensington-Normal Heights Branch Library (81K)  
    La Jolla/Riford branch Library (81L)  
    Linda Vista Branch Library (81M)  
    Logan Heights Branch Library (81N)  
    Malcolm X Library & Performing Arts Center (81O)  
    Mira Mesa Branch Library (81P)  
    Mission Hills Branch Library (81Q)  
    Mission Valley Branch Library (81R)  
    North Clairemont Branch Library (81S)  
    North Park Branch Library (81T)  
    Oak Park Branch Library (81U)  
    Ocean Beach Branch Library (81V)  
    Otay Mesa-Nestor Branch Library (81W)  
    Pacific Beach/Taylor Branch Library (81X)  
    Paradise Hills Branch Library (81Y)  
    Point Loma/Hervey Branch Library (81Z)  
    Rancho Bernardo Branch Library (81AA)  
    Rancho Peñasquitos Branch Library (81BB)  
    San Carlos Branch Library (81DD)  
    San Ysidro Branch Library (81EE)  
    Scripps Miramar Ranch Branch Library (81FF)

Serra Mesa Branch Library (81GG)  
Skyline Hills Branch Library (81HH)  
Tierrasanta Branch Library (81II)  
University Community Branch Library (81JJ)  
University Heights Branch Library (81KK)  
Malcolm A. Love Library (457)

**Other Interested Individuals or Groups**

Community Planning Groups

Community Planners Committee (194)  
Balboa Park Committee (226 + 226A)  
Black Mountain Ranch – Subarea I (226C)  
Otay Mesa - Nestor Planning Committee (228)  
Otay Mesa Planning Committee (235)  
Clairemont Mesa Planning Committee (248)  
Greater Golden Hill Planning Committee (259)  
Serra Mesa Planning Group (263A)  
Kearny Mesa Community Planning Group (265)  
Linda Vista Community Planning Committee (267)  
La Jolla Community Planning Association (275)  
City Heights Area Planning Committee (287)  
Kensington-Talmadge Planning Committee (290)  
Normal Heights Community Planning Committee (291)  
Eastern Area Planning Committee (302)  
North Bay Community Planning Group (307)  
Mira Mesa Community Planning Group (310)  
Mission Beach Precise Planning Board (325)  
Mission Valley Unified Planning Organization (331)  
Navajo Community Planners Inc. (336)  
Carmel Valley Community Planning Board (350)  
Del Mar Mesa Community Planning Board (361)  
Greater North Park Planning Committee (363)  
Ocean Beach Planning Board (367)  
Old Town Community Planning Committee (368)  
Pacific Beach Community Planning Committee (375)  
Pacific Highlands Ranch – Subarea III (377A)  
Rancho Peñasquitos Planning Board (380)  
Peninsula Community Planning Board (390)  
Rancho Bernardo Community Planning Board (400)  
Sabre Springs Community Planning Group (406B)  
Sabre Springs Community Planning Group (407)  
San Pasqual - Lake Hodges Planning Group (426)  
San Ysidro Planning and Development Group (433)  
Scripps Ranch Community Planning Group (437)  
Miramar Ranch North Planning Committee (439)  
Skyline - Paradise Hills Planning Committee (443)  
Torrey Hills Community Planning Board (444A)  
Southeastern San Diego Planning Committee (449)  
Encanto Neighborhoods Community Planning Group (449A)



College Area Community Council (456)  
Tierrasanta Community Council (462)  
Torrey Highlands – Subarea IV (467)  
Torrey Pines Community Planning Group (469)  
University City Community Planning Group (480)  
Uptown Planners (498)

Town/Community Councils - PUBLIC NOTICE ONLY

Town Council Presidents Association (197)  
Harborview Community Council (246)  
Carmel Mountain Ranch Community Council (344)  
Clairemont Town Council (257)  
Serra Mesa Community Council (264)  
Rolando Community Council (288)  
Oak Park Community Council (298)  
Webster Community Council (301)  
Darnell Community Council (306)  
La Jolla Town Council (273)  
Mission Beach Town Council (326)  
Mission Valley Community Council (328 C)  
San Carlos Area Council (338)  
Ocean Beach Town Council, Inc. (367 A)  
Pacific Beach Town Council (374)  
Rancho Penasquitos Community Council (378)  
Rancho Bernardo Community Council, Inc. (398)  
Rancho Penasquitos Town Council (383)  
United Border Community Town Council (434)  
San Dieguito Planning Group (412)  
Murphy Canyon Community Council (463)

**Other Interested Individuals or Groups**

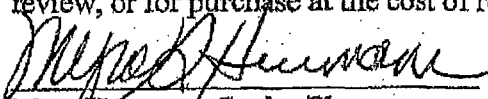
San Diego Unified Port District (109)  
San Diego County Regional Airport Authority (110)  
San Diego transit Corporation (112)  
San Diego Gas & Electric (114)  
Metropolitan Transit Systems (115)  
San Diego Unified School District (125/132)  
San Ysidro Unified School District (127)  
San Diego Community College District (133)  
The Beach and Bay Beacon News (137)  
Sierra Club (165)  
San Diego Canyonlands (165A)  
San Diego Natural History Museum (166)  
San Diego Audubon Society (167)  
Jim Peugh (167A)  
California Native Plant Society (170)  
San Diego Coastkeeper (173)  
Endangered Habitat League (182 and 182A)  
South Coastal Information Center @ San Diego State University (210)

San Diego Historical Society (211)  
Carmen Lucas (206)  
Clint Linton (215b)  
San Diego Archaeological Center (212)  
Save Our Heritage Organization (214)  
Ron Christman (215)  
Louie Guassac (215A)  
San Diego County Archaeological Society (218)  
Kumeyaay Cultural Heritage Preservation (223)  
Kumeyaay Cultural Repatriation Committee (225)  
Native American Distribution (NOTICE ONLY 225A-T)  
San Diego Historical Society (211)  
Theresa Acerro (230)  
Unified Port of San Diego (240)  
Centre City Development Corporation (242)  
Centre City Advisory Committee (243)  
Balboa Avenue CAC (246)  
Theresa Quiros (294)  
Fairmount Park Neighborhood Association (303)  
John Stump (304)  
San Diego Baykeeper (319)  
Debbie Knight (320)  
Mission Hills Heritage (497)

VII. RESULTS OF PUBLIC REVIEW:

- ( ) No comments were received during the public input period.
- ( ) Comments were received but did not address the draft Mitigated Negative Declaration finding or the accuracy/completeness of the Initial Study. No response is necessary. The letters are attached.
- (x) Comments addressing the findings of the draft Mitigated Negative Declaration and/or accuracy or completeness of the Initial Study were received during the public input period. The letters and responses follow.

Copies of the draft Mitigated Negative Declaration, the Mitigation, Monitoring and Reporting Program and any Initial Study material are available in the office of the Entitlements Division for review, or for purchase at the cost of reproduction.

  
Myra Herrmann, Senior Planner  
Development Services Department

September 14, 2011  
Date of Draft Report

October 24, 2011  
Date of Final Report

Analysts: J. Szymanski/M. Herrmann

**Attachments:**

**Figure 1 - Harbor Drive Pipeline Location Map**

**Figure 2 - Water Group 949 Site 1 Location Map**

**Figure 3- Water Group 949 Site 2 Location Map**

**Figure 4- Water Group 949 Site 3 Location Map**

**Figure 5- Sewer Group 787 Location Map**

**Figure 6- Water Group 914 Location Map**

**Figure 7- Sewer and Water Group 732 Location Map**

**Figure 8- Water Group 949-Site 2 with the MHPA**

**Initial Study Checklist**



STATE OF CALIFORNIA  
 Governor's Office of Planning and Research  
 State Clearinghouse and Planning Unit



Keo Alex  
 Director

RESPONSE TO COMMENTS

CALIFORNIA STATE CLEARING HOUSE AND PLANNING UNIT (10/14/2011)

October 14, 2011

Jeffrey Szymanski  
 City of San Diego  
 1222 First Avenue, MS-501  
 San Diego, CA 92101

Subject: Citywide Pipeline Projects 2011  
 SCE# 2011091045

Dear Jeffrey Szymanski:

The State Clearinghouse submitted the above named Mitigated Negative Declaration to selected state agencies for review. On the enclosed Document Details Report please note that the Clearinghouse has listed the state agencies that reviewed your document. The review period closed on October 13, 2011, and the comments from the responding agency(ies) is (are) enclosed. If this comment package is not in order, please notify the State Clearinghouse immediately. Please refer to the project's ten-digit State Clearinghouse number in future correspondence so that we may respond promptly.

Please note that Section 21104(e) of the California Public Resources Code states that:

"A responsible or other public agency shall only make substantive comments regarding those activities involved in a project which are within an area of expertise of the agency or which are required to be carried out or approved by the agency. Those comments shall be supported by specific documentation."

These comments are forwarded for use in preparing your final environmental document. Should you need more information or clarification of the enclosed comments, we recommend that you contact the commenting agency directly.

This letter acknowledges that you have complied with the State Clearinghouse review requirements for draft environmental documents, pursuant to the California Environmental Quality Act. Please contact the State Clearinghouse at (916) 445-6613 if you have any questions regarding the environmental review process.

Sincerely,  


Scott Morgan  
 Director, State Clearinghouse

Enclosures  
 cc: Resource Agency

1409 TENTH STREET, 213, BOX 8044 SACRAMENTO, CALIFORNIA 95812-8044  
 TEL: (916) 445-0813 FAX: (916) 323-5013 www.oprn.ca.gov

1. Comment acknowledged no response is necessary.

SCH# 2011091045  
 Project Title Citywide Pipeline Projects 2011  
 Lead Agency San Diego, City of

## RESPONSE TO COMMENTS

CALIFORNIA STATE CLEARING HOUSE AND PLANNING UNIT (10/14/2011)

**Type** MND Mitigated Negative Declaration

**Description** Council Approval to allow the replacement, rehabilitation, relocation, point repair, new trenching, trenchless construction, and abandonment of water and/or sewer alignments and associated improvements such as curb ramps, sewer lateral connections, water service connections, manholes, new pavement/slurry, the removal and/or replacement of street trees and the removal and/or replacement of street lights. The construction footprint, including staging areas and other areas (such as access) should be located within the City of San Diego Public Right-of-Way and/or within public easements. The proposal may include planned pipeline construction within private easements from the PROW to the service connection. A signed agreement between the City and the property owner would be required for work conducted on private property. Project types that would be included in the analysis contained herein would consist of sewer and water group jobs, trunk sewers, large diameter water pipeline projects, manholes and other necessary appurtenances. All associated equipment would be staged in existing right-of-ways adjacent to the proposed work areas." The proposed project would not impact Sensitive Biological Resources or Environmentally Sensitive Lands (ESL) as defined by the Land Development Code and would not encroach into the City's Multi-Habitat Planning Area (MHPA). Applicant: The City of San Diego Engineering and Capital Projects Department AND Public Utilities Department.

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**Lead Agency Contact**

**Name** Jeffrey Szymanski  
**Agency** City of San Diego  
**Phone** 619 448 5324  
**email**  
**Address** 1222 First Avenue, MS-501  
**City** San Diego **State** CA **Zip** 92101

**Project Location**

**County** San Diego  
**City** San Diego  
**Region**  
**Lat / Long**  
**Cross Streets** Citywide  
**Parcel No.**  
**Township** **Range** **Section** **Base**

**Proximity to:**

**Highways**  
**Airports**  
**Railways**  
**Waterways**  
**Schools**  
**Land Use** Citywide

**Project Issues** Archaeologic-Historic; Landuse; Other Issues

**Reviewing Agencies** Resources Agency; California Coastal Commission; Department of Fish and Game, Region 5; Office of Historic Preservation; Department of Parks and Recreation; Department of Water Resources; Caltrans, Division of Aeronautics; California Highway Patrol; Caltrans, District 11; CA Department of Public Health; State Water Resources Control Board, Division of Financial Assistance; Regional Water Quality Control Board, Region 9; Native American Heritage Commission; Public Utilities Commission

Note: Blanks in data fields result from insufficient information provided by lead agency.

Date Received 09/14/2011 Start of Review 09/14/2011 End of Review 10/13/2011

RESPONSE TO COMMENTS

CALIFORNIA STATE CLEARING HOUSE AND PLANNING UNIT (10/14/2011)

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Note: Blanks in data fields result from insufficient information provided by lead agency.

DEPARTMENT OF TRANSPORTATION

DISTRICT 11  
PLANNING DIVISION  
4050 TAYLOR STREET, MS 240  
SAN DIEGO, CA 92110  
PHONE (619) 688-6960  
FAX (619) 688-4259  
TTY 711  
www.dot.ca.gov



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STATE CLEARING HOUSE

clear  
10/27/11  
Q

September 28, 2011

Mr. Jeffrey Szymanski  
City of San Diego Development Services Center  
1222 First Avenue MS 501  
San Diego, CA 92101

11-SD-Var  
PM Various  
Citywide Pipeline Projects 2011  
SCH# 2011091045

Dear Mr. Szymanski:

The California Department of Transportation (Caltrans) appreciates the opportunity to comment on the Draft Mitigated Negative Declaration (MND) for the North-South District Interconnection System Project (Project). The project is identified in the MND to cross State Route 52 (SR-52) and State Route 94 (SR-94). Caltrans would like to submit the following comments:

2 Any work performed within Caltrans Right-of-Way (R/W) will require an approved encroachment permit by Caltrans. All Caltrans standards for utility encroachments shall be met.

3 Additionally, any work performed within Caltrans R/W must provide an approved final environmental document including the California Environmental Quality Act (CEQA) determination addressing any environmental impacts within the Caltrans' R/W, and any corresponding technical studies. If these materials are not included with the encroachment permit application, the applicant will be required to acquire and provide these to Caltrans before the permit application will be accepted. Identification of avoidance and/or mitigation measures will be a condition of the encroachment permit approval as well as procurement of any necessary regulatory and resource agency permits.

Additional information regarding encroachment permits may be obtained by contacting the Caltrans Permits Office at (619) 688-6158. Early coordination with Caltrans is strongly advised for all encroachment permit.

If you have any questions on the comments Caltrans has provided, please contact Marisa Hampton of the Development Review Branch at (619) 688-6954.

Sincerely,  
  
JACOB ARMSTRONG, Chief  
Development Review Branch

"Caltrans improves mobility across California"

RESPONSE TO COMMENTS

DEPARTMENT OF TRANSPORTATION (9/28/2011)

2. The comment letter has been forwarded to the applicant department and it is acknowledged that any work conducted within the Caltrans R/W will require an approved encroachment permit by Caltrans.
3. The applicant department acknowledges that they must provide the certified CEQA document to Caltrans prior to the approval of an encroachment permit.

## NATIVE AMERICAN HERITAGE COMMISSION

1705 CAPITOL MALL, ROOM 304  
 SACRAMENTO, CALIFORNIA 95834  
 (916) 883-4251  
 Fax (916) 867-5390  
 Web Site www.nahc.ca.gov  
 E-mail nahc@pacbell.net

clear  
 10/13/2011  
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RECEIVED

SEP 29 2011

STATE CLEARING HOUSE

September 27, 2011

Mr. Jeffrey Szymanski, Environmental Planner  
**City of San Diego Development Services Department**  
 1222 First Avenue, MS 501  
 San Diego, CA 92101

Re: SCH#2011091045; CEQA Notice of Completion, proposed Mitigated Negative Declaration for the "Citywide Pipeline Projects 2011, City Project No. 255100," located in the City of San Diego, San Diego County, California.

Dear Mr. Szymanski:

The Native American Heritage Commission (NAHC), the State of California 'Trustee Agency' for the protection and preservation of Native American cultural resources pursuant to California Public Resources Code §21070 and affirmed by the Third Appellate Court in the case of EPIC v. Johnson (1985: 170 Cal App. 3<sup>rd</sup> 804). The NAHC wishes to comment on the proposed project.

This letter includes state and federal statutes relating to Native American historic properties of religious and cultural significance to American Indian tribes and interested Native American individuals as 'consulting parties' under both state and federal law. State law also addresses the freedom of Native American Religious Expression in Public Resources Code §5097.3.

The California Environmental Quality Act (CEQA - CA Public Resources Code 21000-21177, amendments effective 3/18/2010) requires that any project that causes a substantial adverse change in the significance of an historical resource, that includes archaeological resources, is a 'significant effect' requiring the preparation of an Environmental Impact Report (EIR) per the CEQA Guidelines defines a significant impact on the environment as 'a substantial, or potentially substantial, adverse change in any of physical conditions within an area affected by the proposed project, including ...objects of historic or aesthetic significance.' In order to comply with this provision, the lead agency is required to assess whether the project will have an adverse impact on these resources within the 'area of potential effect (APE), and if so, to mitigate that effect. The NAHC Sacred Lands File (SLF) search resulted as follows: Native American cultural resources were identified in several areas of the City of San Diego.

The NAHC 'Sacred Sites,' as defined by the Native American Heritage Commission and the California Legislature in California Public Resources Code §§5097.94(a) and 5097.96. Items in the NAHC Sacred Lands Inventory are confidential and exempt from the Public Records Act pursuant to California Government Code §6254 (r).

Early consultation with Native American tribes in your area is the best way to avoid unanticipated discoveries of cultural resources or burial sites once a project is underway. Culturally affiliated tribes and individuals may have knowledge of the religious and cultural significance of the historic properties in the project area (e.g. APE). We strongly urge that you

## RESPONSE TO COMMENTS

NATIVE AMERICAN HERITAGE COMMISSION (9/29/2011)

4. Comment noted. Staff acknowledges that Native American cultural resources have been identified within several areas of the City of San Diego. Archaeological and Native American monitoring has been included as mitigation within the MND and would preclude a substantial adverse change in the significance of historical resources.
5. Comment noted. The draft MND was sent to all individuals on the recommended list from the NAHC, with the exception of the Inter-Tribal Cultural Resource Council. This new group will be included in the distribution of the final MND and will also added to the City's list for distribution of draft environmental documents which include a discussion of archaeological and/or Native American cultural resources.



make contact with the list of Native American Contacts on the attached list of Native American contacts, to see if your proposed project might impact Native American cultural resources and to obtain their recommendations concerning the proposed project. Pursuant to CA Public Resources Code § 5097.95, the NAHC requests that the Native American consulting parties be provided pertinent project information. Consultation with Native American communities is also a matter of environmental justice as defined by California Government Code §65040.12(e). Pursuant to CA Public Resources Code §5097.95, the NAHC requests that pertinent project information be provided consulting tribal parties. The NAHC recommends *avoidance* as defined by CEQA Guidelines §15370(a) to pursuing a project that would damage or destroy Native American cultural resources and Section 2183.2 that requires documentation, data recovery of cultural resources.

Consultation with tribes and interested Native American consulting parties, on the NAHC list, should be conducted in compliance with the requirements of federal NEPA and Section 106 and 4(f) of federal NHPA (16 U.S.C. 470 *et seq.*, 36 CFR Part 800.3 (f) (2) & .5, the President's Council on Environmental Quality (CEQ), 42 U.S.C. 4371 *et seq.*, and NAGPRA (25 U.S.C. 3001-3013) as appropriate. The 1992 *Secretary of the Interior's Standards for the Treatment of Historic Properties* were revised so that they could be applied to all historic resource types included in the National Register of Historic Places and including cultural landscapes. Also, federal Executive Orders Nos. 11693 (preservation of cultural environment), 13175 (coordination & consultation) and 13007 (Sacred Sites) are helpful, supportive guides for Section 106 consultation. The aforementioned Secretary of the Interior's *Standards* include recommendations for all "lead agencies" to consider the historic context of proposed projects and to "research" the cultural landscape that might include the "area of potential effect."

Confidentiality of "historic properties of religious and cultural significance" should also be considered as protected by California Government Code §6254( f) and may also be protected under Section 304 of the NHPA or at the Secretary of the Interior discretion if not eligible for listing on the National Register of Historic Places. The Secretary may also be advised by the federal Indian Religious Freedom Act (cf. 42 U.S.C., 1996) in issuing a decision on whether or not to disclose items of religious and/or cultural significance identified in or near the APEs and possibility threatened by proposed project activity.

Furthermore, Public Resources Code Section 5097.98, California Government Code §27491 and Health & Safety Code Section 7050.5 provide for provisions for accidentally discovered archeological resources during construction and mandate the processes to be followed in the event of an accidental discovery of any human remains in a project location other than a 'dedicated cemetery'.

To be effective, consultation on specific projects must be the result of an ongoing relationship between Native American tribes and lead agencies, project proponents and their contractors, in the opinion of the NAHC. Regarding tribal consultation, a relationship built around regular meetings and informal involvement with local tribes will lead to more qualitative consultation tribal input on specific projects.

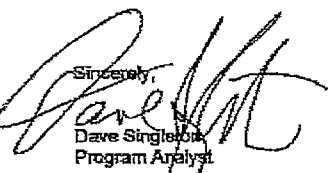
If you have any questions about this response to your request, please do not hesitate to contact me at (816) 653-6251.

6. Please see Response to Comment 5. In addition, the MND includes mitigation requirements that would require the preparation of background research including a ¼ mile radius archaeological record search at the South Coastal Information Center prior to the commencement of construction. The record search of the surrounding area would provide the historic context and inform the consultant of the cultural landscape for the APE of the project.
7. Comment acknowledged.
8. Please see Section III and IV of the MMRP under Historical Resources (Archaeology). Mitigation measures are in place in case of discovery of human remains and archaeological resources during construction that would ensure compliance with Public Resources Code Section 5097.98, California Government Code §27491 and Health and Safety Code Section 7050.5
9. Comment noted. The City has gone to great efforts to establish and maintain productive working relationships with the Native American community.

RESPONSE TO COMMENTS

NATIVE AMERICAN HERITAGE COMMISSION (9/29/2011) continued

Sincerely,

  
Dave Singleton  
Program Analyst

Cc: State Clearinghouse

Attachment: Native American Contact List

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NATIVE AMERICAN HERITAGE COMMISSION (9/29/2011) continued

Jamul Indian Village  
Kenneth Meza, Chairperson  
P.O. Box 612  
Jamul, CA 91935  
kmeza@scotv.net  
(619) 669-4785  
(619) 669-48178 - Fax

Diegueno/Kumeyaay

Inaja Band of Mission Indians  
Rebecca Osuna, Spokesperson  
2005 S. Escondido Blvd.  
Escondido, CA 92025  
(760) 737-7828  
(760) 747-8568 Fax

Diegueno

Mesa Grande Band of Mission Indians  
Mark Romero, Chairperson  
P.O. Box 270  
Santa Ysabel, CA 92070  
mesagrandeband@msn.com  
(760) 782-3818  
(760) 782-9092 Fax

Diegueno

Kumeyaay Cultural Repatriation Committee  
Steve Banegas, Spokesperson  
1095 Barona Road  
Lakeside, CA 92040  
(619) 742-5587 - cell  
(619) 742-5587  
(619) 443-0681 FAX

Diegueno/Kumeyaay

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Kumeyaay Cultural Heritage Preservation  
Paul Cuero  
36190 Church Road, Suite 5  
Campo, CA 91906  
(619) 478-9046  
(619) 478-9505  
(619) 478-5818 Fax

Diegueno/Kumeyaay

Ewilaapaayp Tribal Office  
Will Micklin, Executive Director  
4054 Willows Road  
Alpine, CA 91901  
wmicklin@leaningrock.net  
(619) 445-6315 - voice  
(619) 445-9126 - fax

Diegueno/Kumeyaay

Kwaaymii Laguna Band of Mission Indians  
Carmen Lucas  
P.O. Box 775  
Pine Valley, CA 91962  
(619) 709-4207

Diegueno -

Ewilaapaayp Tribal Office  
Michael Garcia, Vice Chairperson  
4054 Willows Road  
Alpine, CA 91901  
michaelt@leaningrock.net  
(619) 445-6315 - voice  
(619) 445-9126 - fax

Diegueno/Kumeyaay

This list is current only as of the date of this document.

Atribution of this list does not relieve any person of the statutory responsibility as defined in Section 7650.5 of the Health and Safety Code, Section 8097.94 of the Public Resources Code and Section 8097.98 of the Public Resources Code.

This list is applicable for contacting local Native Americans with regard to cultural resources for the proposed CHN#2011091848; CEQA Notice of Completion; proposed Mitigated Negative Declaration for the Citywide Pipelines Projects 2011 located in the City of San Diego; San Diego California.

NATIVE AMERICAN HERITAGE COMMISSION (9/29/2011) continued

Barona Group of the Capitan Grande  
Edwin Romero, Chairperson  
1095 Barona Road Diegueno  
Lakeside, CA 92040  
erua@barona-nsn.gov  
(619) 443-6612  
619-443-0681

Sycuan Band of the Kumeyaay Nation  
Darryl Tucker, Chairperson  
5459 Sycuan Road Diegueno/Kumeyaay  
El Cajon, CA 92021  
ssilva@sycuan-nsn.gov  
619 445-2613  
619 445-1927 Fax

La Posta Band of Mission Indians  
Gwendolyn Parada, Chairperson  
PO Box 1120 Diegueno/Kumeyaay  
Boulevard, CA 91905  
gparada@lapostacasino.  
(619) 478-2113  
619-478-2125

Viejas Band of Kumeyaay Indians  
Anthony R. Pico, Chairperson  
PO Box 908 Diegueno/Kumeyaay  
Alpine, CA 91903  
jrothau@viejas-nsn.gov  
(619) 445-3810  
(619) 445-5337 Fax

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San Pasqual Band of Mission Indians  
Allen E. Lawson, Chairperson  
PO Box 365 Diegueno  
Valley Center, CA 92082  
allen@sanpasqualband.com  
(760) 749-3200  
(760) 749-3876 Fax

Kumeyaay Cultural Historic Committee  
Ron Christman  
56 Viejas Grade Road Diegueno/Kumeyaay  
Alpine, CA 92001  
(619) 445-0385

Ilipay Nation of Santa Ysabel  
Virgil Perez, Spokesman  
PO Box 130 Diegueno  
Santa Ysabel, CA 92070  
brandietaylor@yahoo.com  
(760) 765-0845  
(760) 765-0320 Fax

Campo Kumeyaay Nation  
Monique LaChappa, Chairperson  
36190 Church Road, Suite 1 Diegueno/Kumeyaay  
Campo, CA 91906  
mlachappa@campo-nsn.gov  
(619) 478-9046  
(619) 478-5818 Fax

This list is current only as of the date of this document.

Inclusion of this list does not relieve any person of the statutory responsibility as defined in Section 7053.5 of the Health and Safety Code, Section 5097.34 of the Public Resources Code and Section 5097.35 of the Public Resources Code.

This list is applicable for contacting local Native Americans with regard to cultural resources for the proposed SH#2011091045; CEQA Notice of Completion; proposed Mitigated Negative Declaration for the Citywide Pipelines Projects 2011, located in the City of San Diego, San Diego California.

NATIVE AMERICAN HERITAGE COMMISSION (9/29/2011) continued

pai Nation of Santa Ysabel  
Dint Linton, Director of Cultural Resources  
P.O. Box 507 Santa Ysabel, CA 92070  
Diegueno/Kumeyaay  
jlinton73@aol.com  
(760) 803-5694  
jlinton73@aol.com

Kumeyaay Cultural Repatriation Committee  
Bernice Paipa, Vice Spokesperson  
P.O. Box 1120 Boulevard, CA 91905  
Diegueno/Kumeyaay  
(619) 478-2113

Manzanita Band of the Kumeyaay Nation  
Leroy J. Elliott, Chairperson  
P.O. Box 1302 Boulevard, CA 91905  
Diegueno/Kumeyaay  
(619) 766-4930  
(619) 766-4957 - FAX

Kumeyaay Diegueno Land Conservancy  
M. Louis Guassac  
P.O. Box 1992 Alpine, CA 91903  
Diegueno/Kumeyaay  
lguassac@onebox.com  
(619) 952-8430

Inter-Tribal Cultural Resource Council  
Frank Brown, Coordinator  
240 Brown Road Alpine, CA 91901  
Diegueno/Kumeyaay  
FIREFIGHTER68TFF@AOL.COM  
(619) 884-8437

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This list is current only as of the date of this document.

The inclusion of this list does not relieve any person of the statutory responsibility as defined in Section 7050.3 of the Health and Safety Code, Section 8097.94 of the Public Resources Code and Section 8097.96 of the Public Resources Code.

This list is applicable for contacting local Native Americans with regard to cultural resources for the proposed project. The project is located in the City of San Diego, San Diego California.

State Water Resources Control Board

OCT 10 2011

Jeffrey Szymanski, Associate Planner  
City of San Diego, Development Services Department  
1222 First Avenue MS 501  
San Diego, CA 92101

Dear Mr. Szymanski,

IS/MND) FOR THE CITY OF SAN DIEGO (CITY); CITYWIDE PIPELINE PROJECTS 2011  
(PROJECT); SAN DIEGO COUNTY; STATE CLEARINGHOUSE NO.2011091045

We understand the City maybe pursuing Clean Water State Revolving Fund (CWSRF) financing for this Project. As a funding agency and a State agency with jurisdiction by law to preserve, enhance, and restore the quality of California's water resources, the State Water Resources Control Board (State Water Board) is providing the following information for the environmental document prepared for the Project.

10 Please provide us with the following documents applicable to the proposed Project: (1) 2 copies of the draft and final IS/MND, (2) the resolution adopting/certifying the IS/MND making California Environmental Quality Act (CEQA) findings, (3) all comments received during the review period and the City's response to those comments, (4) the adopted Mitigation Monitoring and Reporting Program, and (5) the Notice of Determination filed with the Governor's Office of Planning and Research State Clearinghouse. In addition, we would appreciate notices of any hearings or meetings held regarding environmental review of any projects to be funded by the State Water Board.

The State Water Board, Division of Financial Assistance, is responsible for administering CWSRF funds. The primary purpose for the CWSRF Program is to implement the Clean Water Act and various state laws by providing financial assistance for wastewater treatment facilities necessary to prevent water pollution, recycle water, correct nonpoint source and storm drainage pollution problems, and provide for estuary enhancement, and thereby protect and promote health, safety and welfare of the inhabitants of the state. The CWSRF Program provides low-interest funding equal to one-half the most recent State General Obligation Bond Rates with a 20-year term. Applications are accepted and processed continuously. Please refer to the State Water Board's CWSRF website at [www.waterboards.ca.gov/water\\_issues/programs/grants\\_loans/srf/index.shtml](http://www.waterboards.ca.gov/water_issues/programs/grants_loans/srf/index.shtml).

The CWSRF Program is partially funded by the U.S. Environmental Protection Agency and requires additional "CEQA-Plus" environmental documentation and review. Four enclosures are included that further explain the environmental review process and some additional federal requirements in the CWSRF Program. The State Water Board is required to consult directly with agencies responsible for implementing federal environmental laws and regulations. Any environmental issues raised by federal agencies or their representatives will need to be resolved prior to State Water Board approval of a CWSRF funding commitment for the proposed Project.

CHARLES R. HOFFER, CHAIRMAN | THOMAS HOWARD, EXECUTIVE DIRECTOR

1001 I Street, Sacramento, CA 95814 | Mailing Address: P.O. Box 190, Sacramento, CA 95812-0190 | [www.statewaterboards.ca.gov](http://www.statewaterboards.ca.gov)

RECYCLED PAPER

10. This comment does not address the adequacy of the CEQA document; therefore no response is necessary. The comment letter has been forwarded to the applicant City Department that is preparing the "CEQA-Plus" materials required for the CWSRF Program.

It is important to note that prior to a CWSRF funding commitment, projects are subject to provisions of the Federal Endangered Species Act, and must obtain Section 7 clearance from the U.S. Fish and Wildlife Service (USFWS), and/or National Marine Fisheries Service (NMFS) for any potential effects to special status species. Please be advised that the State Water Board will consult with USFWS, and/or NMFS regarding all federal special status species the Project has the potential to impact if the Project is to be funded under the CWSRF Program.

The City will need to identify whether the Project will involve any direct effects from construction activities or indirect effects, such as growth inducement, that may affect federally listed threatened, endangered, or candidate species that are known, or have a potential to occur on-site, in the surrounding areas, or in the service area, and to identify applicable conservation measures to reduce such effects.

In addition, CWSRF projects must comply with federal laws pertaining to cultural resources, specifically Section 106 of the National Historic Preservation Act. The State Water Board has responsibility for ensuring compliance with Section 106 and the State Water Board's Cultural Resources Officer (CRO) must consult directly with the California State Historic Preservation Officer (SHPO). SHPO consultation is initiated when sufficient information is provided by the CWSRF applicant. Please contact the CRO, Ms. Cookie Him, at (916) 341-5690, to find out more about the requirements, and to initiate the Section 106 process if the City decides to pursue CWSRF financing. Note that the City will need to identify the Area of potential Effects (APE), including construction and staging areas and the depth of any excavation. The APE is three-dimensional and includes all areas that may be affected by the Project. The APE includes the surface area and extends below ground to the depth of any Project excavations. The records search request should be made for an area larger than the APE. The appropriate area varies for different projects but should be drawn large enough to provide information on what types of sites may exist in the vicinity.

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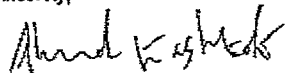
Other federal requirements pertinent to the Project under the CWSRF Program include the following:

- A. Compliance with the federal Clean Air Act: (a) Provide air quality studies that may have been done for the Project; and (b) if the Project is in a nonattainment area or attainment area subject to a maintenance plan; (i) provide a summary of the estimated emissions (in tons per year) that are expected from both the construction and operation of the Project for each federal criteria pollutant in a nonattainment or maintenance area, and indicate if the nonattainment designation is moderate, serious, or severe (if applicable); (ii) if emissions are above the federal de minimis levels, but the Project is sized to meet only the needs of current population projections that are used in the approved State Implementation Plan for air quality, quantitatively indicate how the proposed capacity increase was calculated using population projections.
- B. Compliance with the Coastal Zone Management Act: identify whether the Project is within a coastal zone and the status of any coordination with the California Coastal Commission.
- C. Protection of Wetlands: identify any portion of the proposed Project area that may contain areas that should be evaluated for wetlands or U.S. waters delineation by the U.S. Army Corps of Engineers (USACE), or require a permit from the USACE, and identify the status of coordination with the USACE.
- D. Compliance with the Migratory Bird Treaty Act: List any birds protected under this Act that may be impacted by the Project and identify conservation measures to minimize impacts.

The State Water Board has no comments at this time. Thank you for the opportunity to review the City's IS/MND. If you have any questions or concerns, please feel free to contact me at (916) 341-5555 or akashkoli@waterboards.ca.gov, or Terry Singleton at (916) 341-5586 or TSingleton@waterboards.ca.gov.

STATE WATER RESOURCES CONTROL BOARD (9/10/2011)

Sincerely,



Ahmad Kashkoli  
Environmental Scientist

cc: State Clearinghouse w/o enclosures  
(Re: SCH# 2011091045)  
P. O. Box 3044  
Sacramento, CA 95812-3044

bcc: Lisa Lee, DFA  
Cookie Him, DFA  
Ahmad Kashkoli, DFA  
Pete Mizera, DFA

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Enclosures (4)

1. SRF & CEQA-Plus Requirements
2. Quick Reference Guide to CEQA Requirements for State Revolving Fund Loans
3. Instructions and Guidance for "Environmental Compliance Information"
4. Basic Criteria for Cultural Resources Reports





STATE OF CALIFORNIA  
 Governor's Office of Planning and Research  
 State Clearinghouse and Planning Unit

Edmund G. Brown, Jr.  
 Governor



Ken Alex  
 Director

RESPONSE TO COMMENTS

CALIFORNIA STATE CLEARING HOUSE AND PLANNING UNIT (10/14/2011)

October 14, 2011

Jeffrey Szymanski  
 City of San Diego  
 1222 First Avenue, MS-501  
 San Diego, CA 92101

Subject: Citywide Pipeline Projects 2011  
 SCH#: 2011091045


Dear Jeffrey Szymanski:

11. The enclosed comment (s) on your Mitigated Negative Declaration was (were) received by the State Clearinghouse after the end of the state review period, which closed on October 13, 2011. We are forwarding these comments to you because they provide information or raise issues that should be addressed in your final environmental document.

12. The California Environmental Quality Act does not require Lead Agencies to respond to late comments. However, we encourage you to incorporate these additional comments into your final environmental document and to consider them prior to taking final action on the proposed project.

Please contact the State Clearinghouse at (916) 445-0613 if you have any questions concerning the environmental review process. If you have a question regarding the above-named project, please refer to the ten-digit State Clearinghouse number (2011091045) when contacting this office.

Sincerely,

  
 Scott Morgan  
 Director, State Clearinghouse

Enclosures  
 cc: Resources Agency

1400 TUSSEK STREET P.O. BOX 3044 SACRAMENTO, CALIFORNIA 95832-3044  
 TEL: (916) 445-0613 FAX: (916) 828-3018 www.opr.ca.gov

11. The City acknowledges that the comment letter from The California Department of Fish and Game (CDFG) was received after the end of the state review period ended.

12. The City responses to the CDFG comment letter are included herein.



State of California - The Natural Resources Agency  
 DEPARTMENT OF FISH AND GAME  
 South Coast Region  
 3683 Ruffin Road  
 San Diego, CA 92123  
 (858) 467-4201  
 www.dfg.ca.gov

EDMUND G. BROWN, JR., Governor  
 CHARLTON H. BONHAM, Director



RESPONSE TO COMMENTS

CALIFORNIA DEPARTMENT OF FISH AND GAME (10/13/2011)

late  
 10/13/2011  
 e

RECEIVED  
 OCT 14 2011  
 STATE CLEARING HOUSE

October 11, 2011

Mr. Jeffery Szymanski  
 City of San Diego  
 Development Services Center  
 1222 First Avenue, MS 501  
 San Diego, CA 92101

**Subject: Comments on the Draft Mitigated Negative Declaration for Citywide Pipeline Projects, City of San Diego, San Diego County, California (Project No. 255100; SCH #2011091045)**

Dear Mr. Szymanski:

The Department of Fish and Game (Department) has reviewed the above-referenced draft Mitigated Negative Declaration (MND), dated September 14, 2011. The comments provided herein are based on information provided in the draft MND, our knowledge of sensitive and declining vegetation communities in the County of San Diego, and our participation in regional conservation planning efforts.

The following statements and comments have been prepared pursuant to the Department's authority as Trustee Agency with jurisdiction over natural resources affected by the project (CEQA Guidelines §15396) and pursuant to our authority as a Responsible Agency under CEQA Guidelines Section 15381 over those aspects of the proposed project that come under the purview of the California Endangered Species Act (Fish and Game Code §2050 et seq.) and Fish and Game Code Section 1600 et seq. The Department also administers the Natural Community Conservation Planning Program (NCCP). The City of San Diego (City) participates in the NCCP program by implementing its approved Multiple Species Conservation Program (MSCP) Subarea Plan.

The proposed project covers five near-term pipeline projects (Harbor Drive Pipeline, Water Group 949, Sewer Group 787, Water Group 914, and Sewer/Water Group 732), as well as any subsequent future pipeline projects. The project description specifies that the construction footprint for a typical pipeline project, including staging areas and other areas (such as access) would be located within City Public Right-of-Way (PROW) and/or within public easements and may include planned pipeline construction with private easements from the PROW to the service connection. The types of projects evaluated in the analysis consists of sewer and water group jobs, trunk sewers, large diameter water pipeline projects, manholes and other necessary appurtenances. The project scope defines that all associated equipment would be staged in existing PROW adjacent to the proposed work area(s). The project analysis concludes that no impact would occur to Sensitive Biological Resources or Environmentally Sensitive Lands as defined by the Land Development Code and the project would not encroach into the City's Multi-Habitat Planning Area (MHPA).

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*Conserving California's Wildlife Since 1870*

We offer our recommendations and comments to assist the City in avoiding, minimizing, and adequately mitigating project related impacts to biological resources, and to ensure that the project is consistent with ongoing regional habitat planning efforts.

CALIFORNIA DEPARTMENT OF FISH AND GAME (10/13/2011) continued

- 13.
1. The initial study references that along with the environmental analysis that covers the five near-term pipeline projects, any subsequent future pipeline projects would be reviewed for consistency with the analysis covered in the Citywide Pipeline Project MND. Further, the initial study states "Where it can be determined that the project is 'consistent' with the MND and no additional potential significant impacts would occur pursuant to State CEQA Guideline §15162 (i.e., the involvement of new significant environmental effects of a substantial increase in the severity of previously identified effects) or if the project would result in minor technical changes or additions, then an Addendum to this MND would be prepared pursuant to §15164. Where future projects are found not to be consistent with this MND, then a new Initial Study and project specific MND shall be prepared." From a substantive and procedural context of CEQA, the Department considers the application of all forthcoming analysis covering "any subsequent future pipeline projects" as tiering upon the project MND; consequently we consider the City's environmental determination problematic. Lacking supplemental guidance from the lead agency, the Department interprets this approach as essentially "tiering" upon this MND as all similar types of "future pipeline projects" will be processed under an addendum to the adopted document. If it is the City's intent to tier upon this MND and apply it to those future pipeline projects, we would focus attention to CEQA Guidelines, Section 15162(b) and Public Resources Code, Sections 21093-21094, which defines tiering as being appropriate when the sequence of analysis is from an environmental impact report (EIR) prepared for a general plan, policy, or program to an EIR or negative declaration for another plan, policy or program of lesser scope, or to a site-specific EIR or negative declaration. Additionally, we would highlight Public Resources Code, Section 21166 which precludes any future projects with significant impact from tiering.

Based on the relevant CEQA sections cited above, the City's approach to essentially "tier" upon this MND has not been fully supported in the analysis. The presumption provided in the initial study is that at the time when the City can determine that any forthcoming project is "consistent" with the baseline analysis provided in the project MND, any subsequent CEQA analysis/processing would be limited to preparing an Addendum to this MND. In contrast, when considering CEQA Guidelines, Section 15162(a), we believe that it has been misapplied as currently explained in the processing guidance provided in this MND (i.e., §15162 is being applied to cover future projects when clearly the intent of §15162 is limited to a single project). Therefore, we request that the City reevaluate the statutory mandates under the CEQA and the circumstances for when any subsequent future pipeline projects could be processed from an adopted environmental document.

- 4.
2. The biological resources analysis determined that for those five near-term projects that are located within the public right-of-way no significant project-related impacts on biological resources would occur. Compliance with CEQA is predicated on a complete and accurate description of the "environmental setting" that may be affected by the proposed project. We feel there is limited information in adequately defining (1) over-all width of the PROW (e.g., are there areas of the PROW that extend outside existing paved roadways); (2) proximity to environmentally sensitive lands to the PROW; and (3) accurate environmental baseline conditions of all proposed staging areas (which should include a qualified biologist evaluating those existing site conditions). Absent a complete and accurate description of the existing physical conditions in and around all of the projects, we believe relying on the current environmental determination in this MND could result in an incomplete or inaccurate

13. The discussion within CEQA Guidelines section 15152(B) discusses tiering documents in terms of EIRs; however, the section does not definitively state that tiering documents require the preparation of an EIR and often times the term EIR is used universally to refer to MNDs and NDs. (See also Guidelines section 15152 (b): "Agencies are encouraged to tier the environmental analyses which they prepare for separate but related projects...") Please refer to CEQA Guidelines section 15064 (Determining the Significance of the Environmental Effects Caused by a Project) which clearly states when the preparation of an EIR would be required. In accordance with CEQA Guidelines section 15064(a)(1) a draft EIR is prepared when there is substantial evidence, in light of the whole record before a lead agency, that a project may have a significant effect on the environment. Guidelines section 15064 (f)(3) also provides: "(3) IF the lead agency determines there is no substantial evidence that the project may have a significant effect on the environment, the lead agency shall prepare a negative declaration (*Friends of B Street v. City of Hayward* (1980) 106 Cal. App. 3d 988).

In accordance with CEQA Guidelines section 15063 the City conducted an Initial Study of the Citywide Pipeline project and it was determined that the project, with mitigation, would not result in significant unmitigated impacts and an MND was prepared.

In addition, the comment letter from CDFG states that Public Resources Code, section 21166 precludes future projects with significant impacts from tiering. As mentioned above, an Initial Study was conducted and significant impacts were not identified which could not be mitigated to below a level of significance.

The MND analyzes Citywide pipeline projects on a "programmatic" level (i.e., as a whole at a broad level of detail), but also analyzes the proposed projects on a site-specific basis where appropriate. As stated in the draft MND subsequent pipeline projects located within the developed public right of way will be reviewed and where it can be determined that the project is consistent with the MND pursuant to CEQA Guidelines section 15162 any necessary CEQA document will be prepared or if the project would result in minor technical changes or additions, then an Addendum to this MND would be prepared pursuant to CEQA Guidelines section 15164. Pursuant to CEQA Guidelines section 15162 the Lead Agency has the ability to analyze proposed projects with previously certified environmental documents and neither CEQA Guidelines sections 15162 or 15164 limit the application to an individual project. In fact, CEQA Guidelines section 15162 (b) states: "If changes to a project or its circumstances occur or new information becomes available after adoption of a negative declaration, the lead agency shall prepare a subsequent EIR if required under subdivision (a). Otherwise the lead agency shall determine whether to prepare a subsequent negative declaration, an addendum, or no further documentation."

The City has utilized this procedure numerous times in the past without challenge. We note that CDFG has used the programmatic MND procedure in the past as well. However, we welcome your additional input on this issue as we continue to evaluate the statutory mandates under CEQA and the circumstances for when any subsequent future pipeline projects could be processed from an approved environmental document as you requested we do in your October 11, 2011 comment letter.

CALIFORNIA DEPARTMENT OF FISH AND GAME (10/13/2011) continued

analysis of project-related environmental impacts by the City. Also, the Initial Study discusses that near-term projects may be located in close proximity to, or adjacent to the City's MHPA, but not within the MHPA. The CEQA is intended to foster informed public decision making, therefore we believe that it would have been appropriate to include corresponding figures in the initial study that depict the MHPA boundaries in relationship to all of the anticipated construction-related activities. There is the intent provided in the MND to avoid any direct, indirect and cumulatively significant impacts to environmentally sensitive lands, however whether there is sufficient information provided in the environmental analysis to demonstrate that condition remains in question. Additionally, in evaluating the MHPA Land Use Adjacency Guidelines that were provided in the MND, there are a number of referrals for development within or adjacent to the MHPA. If it is correct that the near-term projects would entirely avoid the MHPA then it appears appropriate for the mitigation language to specifically state that condition.

15. 3. The initial study identifies that construction for the near-term projects is anticipated to occur during the daytime hours. Should there be any potential for construction activities to occur during evening hours then the mitigation measures that are currently provided in the MND for addressing indirect effects to MHPA preserve lands should be revised to include conditions that specify that all auxiliary construction-related lighting shall be shielded in proximity to the MHPA.

The Department requests the opportunity to review any revision to MND prior to finalization to ensure that the comments and recommendations, contained herein, are adequately addressed. We appreciate the opportunity to comment on the MND for this project and to assist the City in further minimizing and mitigating project impacts to biological resources. If you have questions or comments regarding this letter, please contact Paul Schmitt of the Department at (858) 637-5510.

Sincerely,



Edmund Perle  
Regional Manager  
South Coast Region

cc: State Clearinghouse, Sacramento  
Patrick Gower, USFWS, Carlsbad  
Paul Schmitt, San Diego

14. The MND and Initial Study Checklist have been updated to include a thorough description of the projects that are adjacent to the MHPA. In addition, a graphic have been added for Group Feb 949 - Site 2 which depicts the project location in relation to the MHPA. The Land Use Adjacency Guidelines (LUAGL) provides additional assurances that development adjacent to the MHPA would not result in direct or indirect edge effects from construction related activities. No projects have been or will be implemented under this MND which are within the MHPA. The LUAGL measures would be implemented when a pipeline project is within 100 feet from the edge of the MHPA and would be monitored for compliance by a qualified biological consultant. The MHPA LUAGL measures in the MND have been modified to eliminate references to "within the MHPA." Please note however, that many existing paved public right-of-ways may cross over areas mapped within the MHPA but would not result in any direct impacts to the MHPA. Please note that Sewer Group 787, which is adjacent to the MHPA, has been removed from this project.

15. Please see section A. I. 5. of the Land Use MMRP in the MND which requires adequate shielding to protect sensitive habitat. In addition, section A. III. A. 3. of the Land Use MMRP in the MND requires that periodic night inspections be conducted to verify that all lighting adjacent to the MHPA be directed away from the Preserve.



**San Diego County Archaeological Society, Inc.**

Environmental Review Committee

5 October 2011

SAN DIEGO COUNTY ARCHAEOLOGICAL SOCIETY, INC (10/5/2011)

To: Mr. Jeffrey Szymanski  
 Development Services Department  
 City of San Diego  
 1222 First Avenue, Mail Station 501  
 San Diego, California 92101

Subject: Draft Mitigated Negative Declaration  
 Citywide Pipeline Project -- 2011  
 Project No. 255100

Dear Mr. Szymanski:

I have reviewed the subject DMND on behalf of this committee of the San Diego County Archaeological Society.

Based on the information in the DMND and initial study, we have the following comments:

16. 1. It is not clear why Water Group 949 does not include archaeological monitoring mitigation measures for some or all of the portions where the line is installed in new trenches.
17. 2. The last sentence of cultural resources mitigation measure IV.5.d appears to be missing one or more words. The portion in question currently reads "...appropriate treatment measures the human remains and buried with Native American human remains..."

Thank you for the opportunity to review and comment upon this DMND.

Sincerely,

James W. Royle, Jr., Chairperson  
 Environmental Review Committee

cc: SDCAS President  
 File

P.O. Box 81105 • San Diego, CA 92188-1105 • (619) 538-0835

16. Water Group 949 would be located in three different areas within the City of San Diego: Skyline-Paradise Hills, University/Clairemont Mesa, and Greater Golden Hill/Barrio Logan. New trenching would only occur in the Clairemont Mesa area, and existing previously excavated trenches would be utilized in the Greater Golden Hill/Barrio Logan and Skyline-Paradise Hills areas of the City. The University/Clairemont Mesa area is not located on the City of San Diego's Historical Sensitivity Map and therefore archaeological monitoring would not be required for this project segment. As mentioned previously, the existing trenches would be utilized in the other areas where native soils have already been disturbed. Therefore, archaeological monitoring would not be required in these areas.
17. Comment noted. Staff has reviewed the section from the MMRP and determined that the language in subsection "d" came directly from the Public Resources Code and three words were somehow omitted when this section of the City MMRP was created. The missing words have been added to section IV.C.5.d of the archaeological MMRP and shown in underline format. The master MMRP has been updated and EAS staff have been notified of the revision for future environmental documents.

# RINCON BAND OF LUISEÑO INDIANS

Culture Committee

P.O. Box 68 • Valley Center 92082 • (760) 297-2621 (760) 297-2629 fax



RESPONSE TO COMMENTS

September 28, 2011

RINCON BAND OF LUISEÑO INDIANS (9/28/2011)

To whom it may concern

On behalf of the Rincon Band of Luiseno Indians, I have received your letter. We thank you for informing us of the projects you propose and for including us in your research for cultural resource identification on the property. However the area is not in the Luiseno Tribe's territory. We highly recommend that you seek the assistance of the tribes that are located in the area of potential effect.

18.

Although the Rincon Band of Luiseno Indians does not have cultural significance in this area, we would like to recommend the following guidelines. The first recommendation is to contact the tribes in the territory to receive instructions on how to handle any findings appropriately according their custom and tradition. Second to have Native American site monitors on site to identify artifacts that may be found during any ground disturbance in order to have the artifacts handled with dignity and respect; should human remains be discovered follow the California Resource Code 5097.98 and the procedures in this section.

19.

Once again thank you for informing of your project and keeping Native Americans informed of these projects. We wish you success in your endeavors and hope the project is completed with the satisfaction of all parties involved.

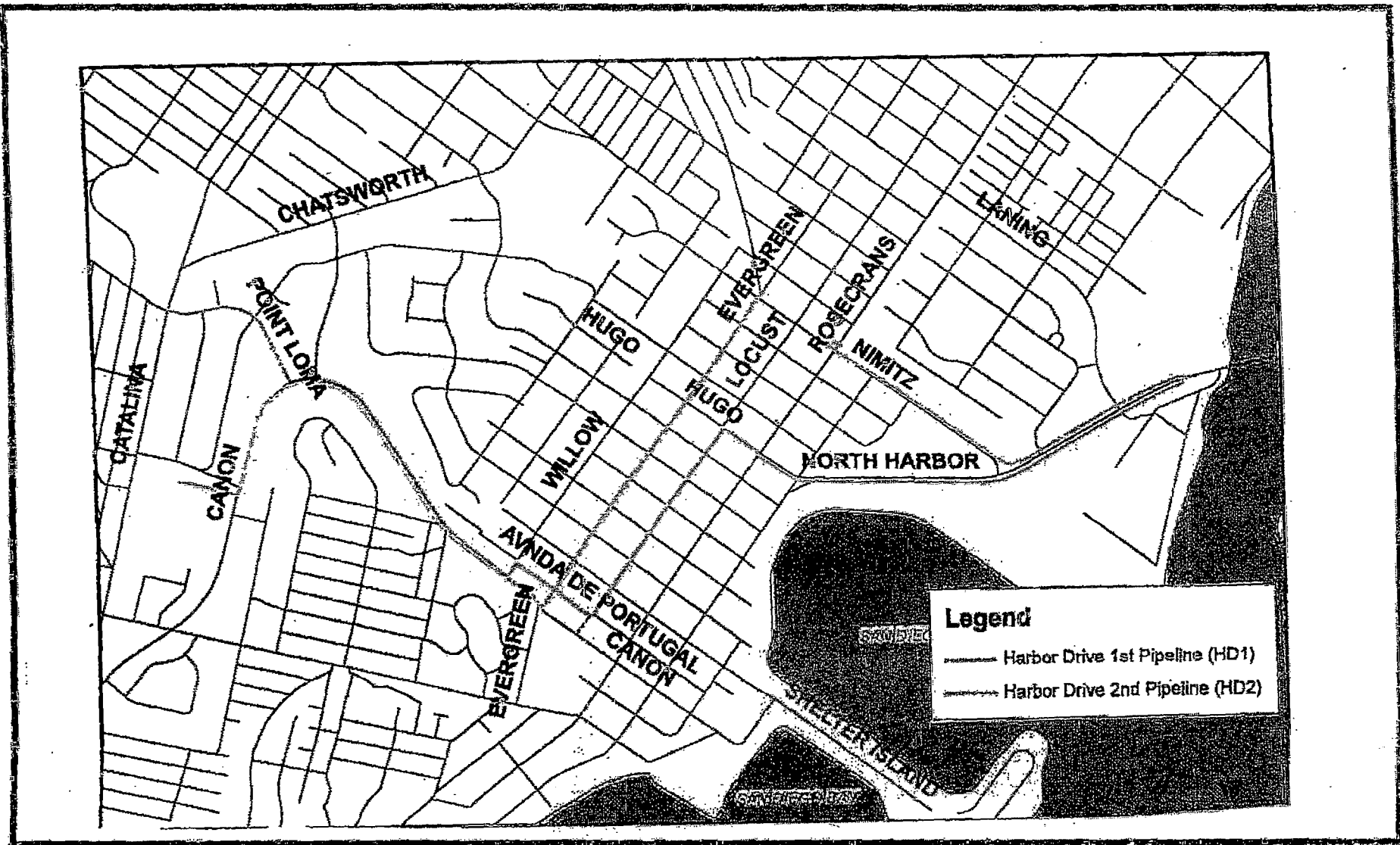
Sincerely,

Rosa Duro  
Rincon Culture Committee Chair

- 18. Comment noted. Please see Response to Comment 5. The draft MND was sent to all individuals on the recommended list from the NAHC, with the exception of the Inter-Tribal Cultural Resource Council, this group will be included in the distribution of the final MND.
- 19. Please see section B of the General Requirements of the MND and Section A. 1. of the Historical Resources section of the MMRP which requires Native American monitors to be present on-site during all construction related activities.

Bo Mazzetti Tribal Chairman	Stephanie Spencer Vice Chairwoman	Charlie Kolb Council Member	Steve Stallings Council Member	Laurie Gonzales Council Member
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19

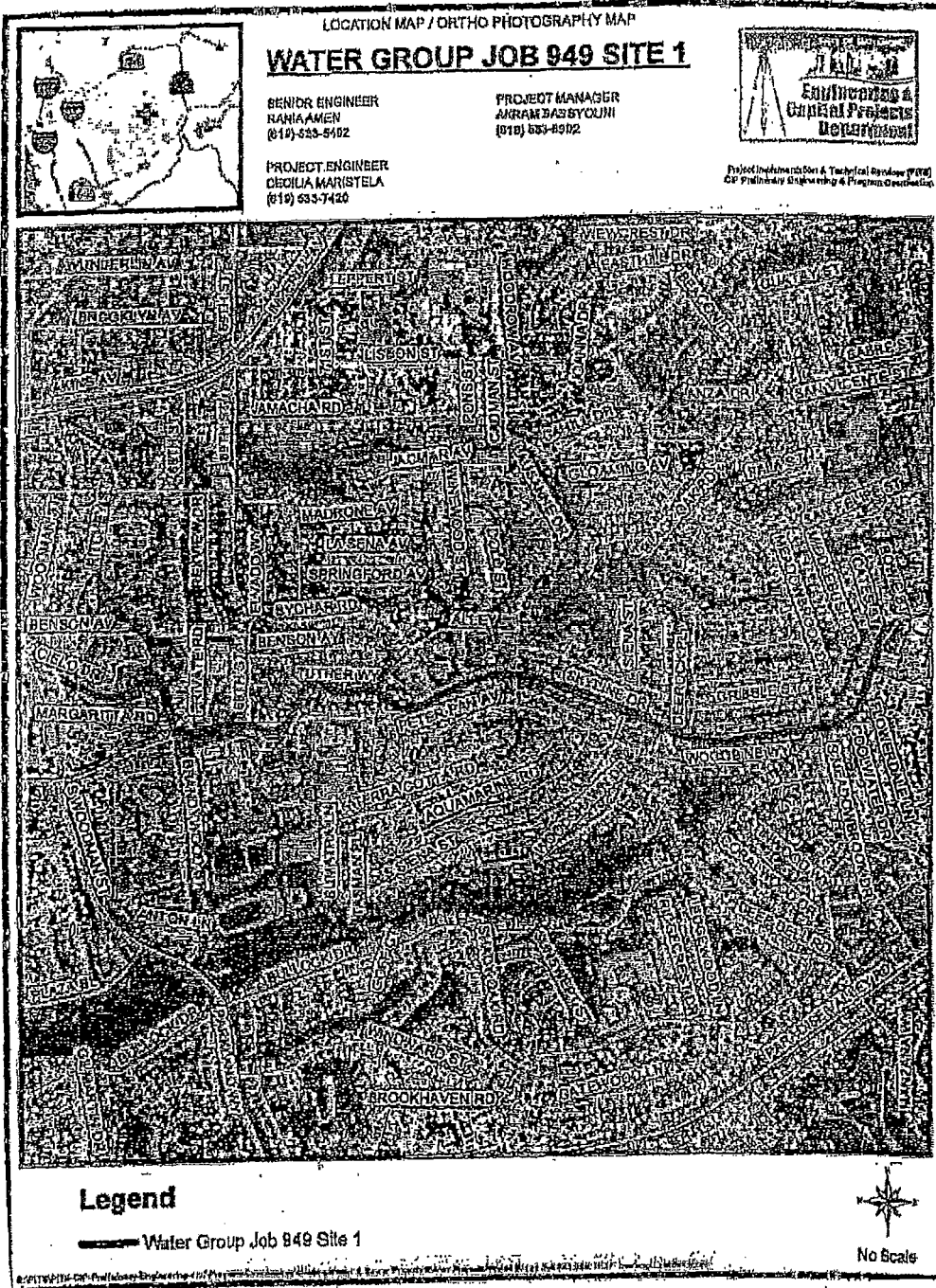


## Citywide Pipeline Projects-Project No. 255100

Harbor Drive Pipeline / Project No. 206100

City of San Diego – Development Services Department

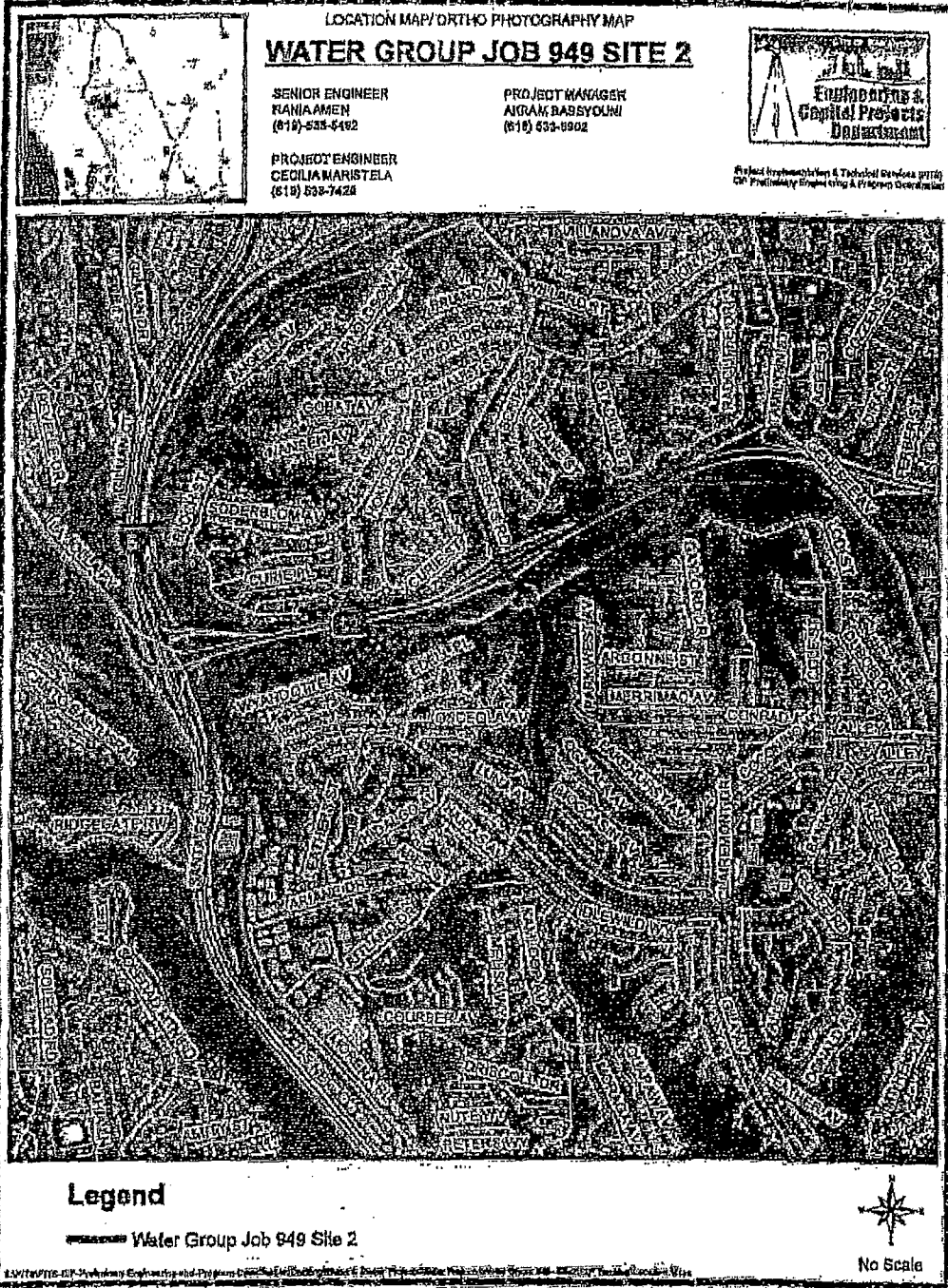
**FIGURE**  
**No. 1**



**Citywide Pipe Line Project- Project No. 255100**  
Water Group 949 Site 1/Project No. 232719  
 City of San Diego – Development Services Department

**FIGURE**  
**No. 2**





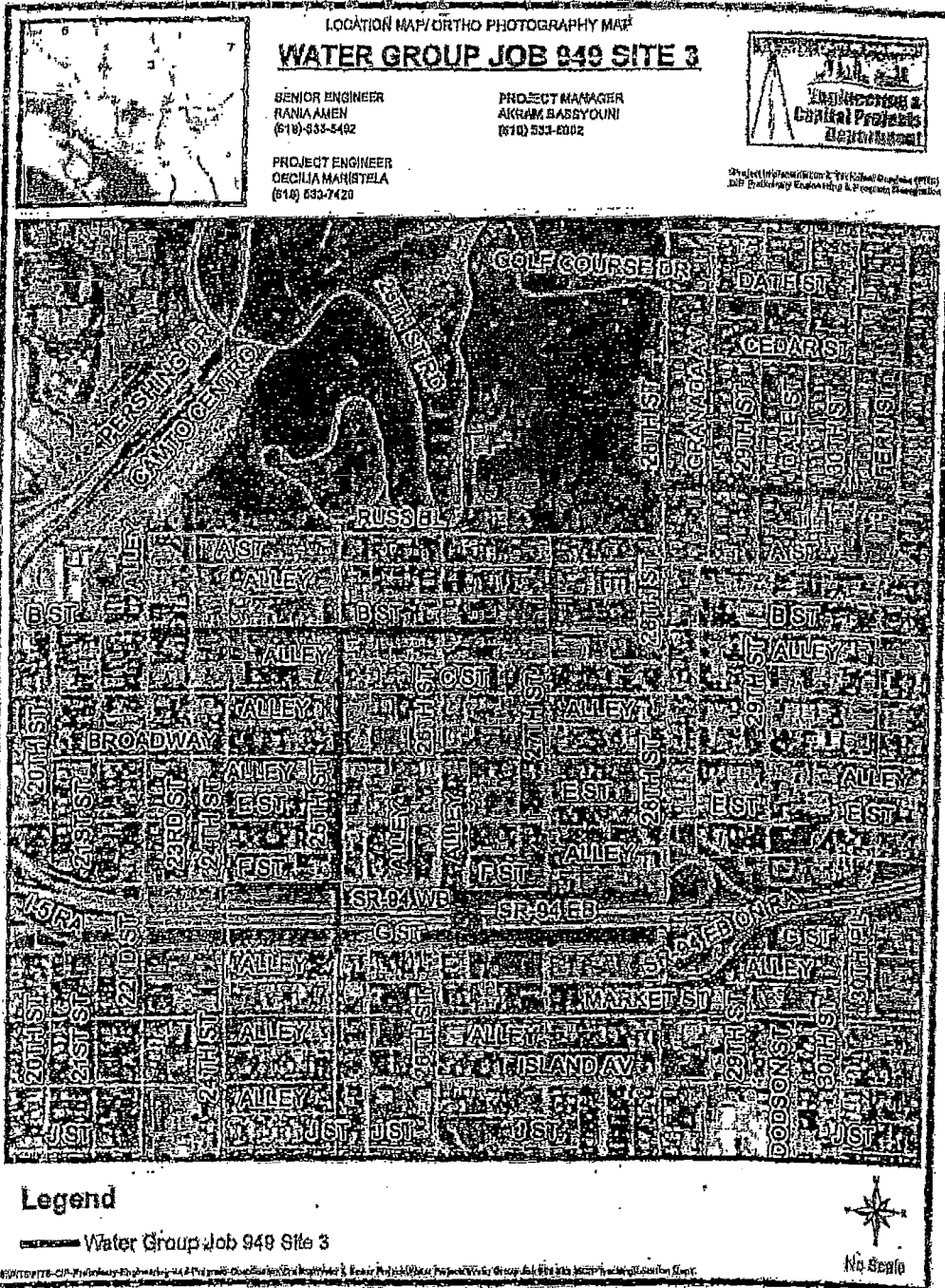
## Citywide Pipeline Project-Project No. 255100

Water Group 949 Site 2/Project No. 232719

City of San Diego – Development Services Department

FIGURE

No. 3

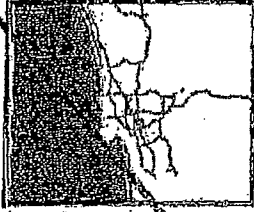


# Citywide Pipeline Project-Project No. 255100

## Water Group 949 Site 3/Project No. 232719

City of San Diego - Development Services Department

**FIGURE**  
**No. 4**



**Sewer Group 787**

SENIOR ENGINEER  
 Ced Spler  
 619-553-5128

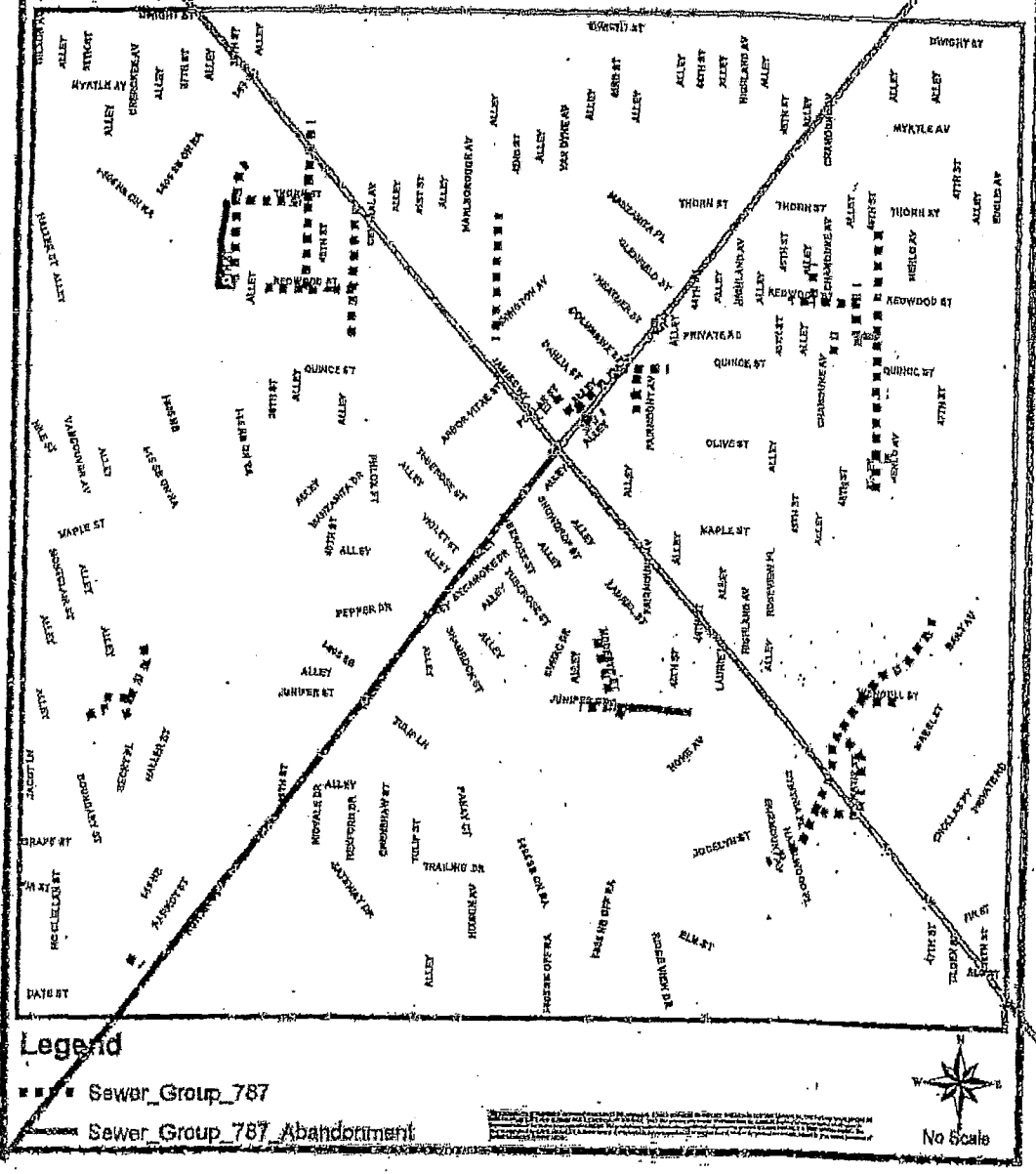
PROJECT MANAGER  
 Regan Owen  
 619-553-5205

PROJECT ENGINEER  
 Matthew DeBalso  
 619-553-6288

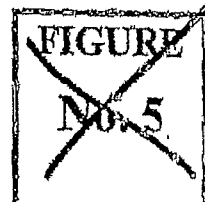
PUBLIC INFORMATION OFFICER  
 HOTLINE  
 619-553-4207



Public Works Dept



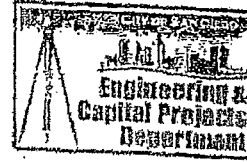
**Citywide Pipeline Project-Project No. 255100**  
 Sewer Group 787 /Project No. 231928  
 City of San Diego – Development Services Department



**WATER GROUP 914  
WATER MAIN REPLACEMENT**

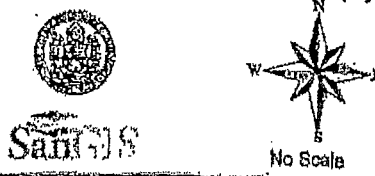
SENIOR ENGINEER  
WENDY GAMBOA  
(619) 236-1871  
PROJECT ENGINEER  
ROBERTO VEJAR-PARRA  
(619) 533-5492

PROJECT MANAGER  
MICHAEL NINH  
(619) 533-7443  
PUBLIC INFORMATION  
HOTLINE  
(619) 533-4207



OCEAN BEACH / PENINSULA COUNCIL DISTRICT: 02 WBS NO.: B-00125 (W)

- LEGEND**
- REPLACE IN PLACE EXIST. WATER MAIN
  - PROP. NEW WATER MAIN
  - PROP. TRENCHLESS WATER
  - PROP. NEW PRESSURE REGULATOR STATION (PRS)
  - EXISTING WATER MAINS



**Citywide Pipeline Projects-Project No.  
255100**  
**Water Group 914 /Project No. 233447**  
City of San Diego Department of Public Works

**FIGURE  
No. 6**





## INITIAL STUDY CHECKLIST

1. Project Title/Project number: Citywide Pipeline Projects
2. Lead agency name and address: City of San Diego, Development Services Department, 1222 First Avenue, MS 501, San Diego, CA 92101
3. Contact person and phone number: Jeff Szymanski, Associate Planner, 619-446-5324
4. Project location: Near-term and future projects would be located within various public right-of-ways (PROW) within any community planning areas in the City of San Diego. All project sites and areas of potential affect would not support *Sensitive Biological Resources* as defined in the Land Development Code (LDC) §143.0110. Project locations may be within the State Coastal Zone and/or within the City of San Diego's Coastal Zone and/or within Designated Historic Districts. Project locations and the associated areas of potential affect may be adjacent to, but not encroach into the Multi-Habitat Planning Area (MHPA). Specific locations for near-term projects analyzed in this document are included below under Item 8 – Description of Project.
5. Project Applicant/Sponsor's name and address: City of San Diego, Engineering & Capital Projects Department, ~~City of San Diego Public Utilities Department - Water Department and City of San Diego Metropolitan Waste Water Division (MWWB).~~
6. General Plan designation: City of San Diego Public Right-of-Way (PROW) land is not a designated land use in the General Plan. However, Right-of-Way is categorized as Road/Freeways/Transportation Facilities in the General Plan.
7. Zoning: Near-term and future projects would take place within various Public Right-of-ways and public easements within the City of San Diego. Adjacent zoning may include, but would not be limited to Open Space, Residential, Agricultural, Commercial, and Industrial.
8. Description of project (Describe the whole action involved, including but not limited to, later phases of the project, and any secondary, support, or off-site features necessary for its implementation.): COUNCIL APPROVAL to allow for the replacement, rehabilitation, relocation, point repair, new trenching, trenchless construction, and abandonment of water and/or sewer pipeline alignments and associated improvements such as curb ramps, sewer lateral connections, water service connections, manholes, new pavement/slurry, the removal and/or replacement of street trees and the removal and/or replacement of street lights. This environmental document covers the analysis for ~~five~~ four (5) (4) near-term pipeline projects (Harbor Drive Pipeline, Water Group 949, ~~Sewer Group 787~~, Water Group 914, and Sewer/Water Group 732), as well as any subsequent future pipeline projects. The construction footprint for a typical pipeline project, including staging areas and other areas (such as access) would be located within the City of San Diego Public Right-of-Way (PROW) and/or within public easements and may include planned pipeline construction within private easements from the PROW to the service connection. A signed agreement between the City and the property owner would be required for work conducted on private property. Project types that would be included in the analysis contained herein would consist of sewer and water group jobs, trunk sewers, large diameter water pipeline



projects, new and/or replacement manholes, new/or replacement fire hydrants, and other necessary appurtenances. All associated equipment would be staged within the existing PROW adjacent to the work areas. The near-term and future projects covered in the document would not impact *Sensitive Biological Resources* or *Environmentally Sensitive Lands (ESL)* as defined in the Land Development Code and would not encroach into the City's Multi-Habitat Planning Area (MHPA).

Construction for the near-term and any future projects is anticipated to occur during the daytime hours Monday through Friday, but may occur during the weekend, if necessary. The contractor would comply with all applicable requirements described in the latest edition of the *Standard Specifications for Public Works Construction ("GREENBOOK")* and the latest edition of the *City of San Diego Standard Specifications for Public Works Construction ("WHITEBOOK")*. The City's supplement addresses unique circumstances to the City of San Diego that are not addressed in the GREENBOOK and would therefore take precedence in the event of a conflict. The contractor would also comply with the California Department of Transportation *Manual of Traffic Controls for Construction and Maintenance Work Zones*. If the Average Daily Traffic (ADT) within a given project(s) vicinity is 10,000 ADT or greater, a traffic control plan would be prepared and implemented in accordance with the *City of San Diego Standard Drawings Manual of Traffic Control for Construction and Maintenance Work Zones*. For proposals subject to 10,000 ADT or less, traffic control may be managed through shop drawings during construction. Construction methods to be employed would consist of, but not be limited to:

**Open Trenching:** The open trench method of construction would be used for complete replacement and new alignment portions of the project. Trenches are typically four feet wide and are dug with excavations and similar large construction equipment.

**Rehabilitation:** Rehabilitation of alignment involves installing a new lining in old pipelines. The insertion is done through existing manhole access points and does not require removal of pavement or excavation of soils.

**Abandonment:** Pipeline abandonment activities would be similar to rehabilitation methods in that no surface/subsurface disturbance would occur. This process may involve slurry or grout material injected into the abandoned lines via manhole access. The top portion of the manhole is then typically removed and the remaining space backfilled and paved over.

**Potholing:** Potholing would be used to verify reconnection of laterals to main where lines would be raised or realigned (higher than existing depth, but still below ground) or to verify utility crossings. These "potholes" are made by using vacuum type equipment to open up small holes into the street of pavement.

**Point Repairs:** Point repairs include replacing a portion of a pipe segment by open trench excavation methods in which localized structural defects have been identified. Generally, point repairs are confined to an eight-foot section of pipe.

The following near term project(s) have been reviewed by the City of San Diego, Development Services Department (DSD) for compliance with the Land Development Code and have been determined to be exempt from a Site Development Permit (SDP) and/or a Coastal Development Permit (CDP). These projects would involve excavation in



areas having a high resource sensitivity and potential for encountering archaeological and paleontological resources during construction related activities. Therefore, mitigation would be required to reduce potential significant impacts to archaeological and paleontological resources to below a level of significance. With respect to Storm Water, all projects would be reviewed for compliance with the City's Storm Water Standards Manual. All projects that are not-exempt from the Standard Urban Storm Water Mitigation Plan (SUSMP) would incorporate appropriate Permanent Best Management Practices (BMPs) and construction BMPs into the project design(s) and during construction, as required. As such, all projects would comply with the requirement of the Municipal Storm Water Permit.

#### HARBOR DRIVE PIPELINE (PROJECT NO. 206100)

The Harbor Drive Pipeline includes the replacement of 4.4 miles of 16-inch cast iron (CI) and asbestos cement (AC) pipe that comprises the Harbor Drive 1<sup>st</sup> and 2<sup>nd</sup> Pipelines (HD-1 and HD-2) at a depth no greater than five (5) feet. Facility age and cast iron main replacement are the primary drivers for these projects, but due to the history of AC breaks in the area, approximately 1.0 mile of AC replacement is also included. The project is anticipated to be awarded in Fiscal Year 2013.

HD-1 and HD-2 were built primarily in the 1940's and 1950's and were made out of cast iron or asbestos cement and serve the western most part of the University Heights 390 Zone and the northern section of the Point Loma East 260 Zone. The pipelines also serve as redundancy to each other. Several segments were replaced by various City of San Diego Public Utilities Department projects throughout the years and those segments are not a part of the current scope. Previously replaced segments were 16 inch PVC, except for the bridge crossing which used 24-inch CMLC. The pipeline is located entirely within the PROW, will not require any easements, and is not adjacent to the MHPA or located within any designated historical districts. The following streets would be affected by this project: West Laurel, Pacific Highway, North Harbor Drive (within the roadway, under the bridge and within landscape areas), Nimitz Boulevard, Rosecrans Street, Evergreen Street, Hugo Street, Locust Street, Canon Street, Avenida De Portugal, and Point Loma Avenue.

#### WATER GROUP 949 (PROJECT NO. 232719)

Water Group 949 would consist of the replacement and installation of 5.27 miles of water mains within the Skyline- Paradise Hills, University, Clairemont Mesa, Southeastern San Diego (Greater Golden Hills) community planning areas. 16,931 Linear Feet (LF) of 16-inch cast iron water mains would be replace-in-place with new 16-inch polyvinyl chloride (PVC) pipe within the existing trench. The remaining 10,913 LF of new 16-inch PVC would be installed in new trenches All work within Regents Road, Site 2 (Figure 8), adjacent to the MHPA would only occur within the developed footprint such as the paved right of way, and concrete sidewalk or slab areas. In addition, all work within 100 feet of the MHPA would observe mitigation such as but not limited to bird breeding season measures, avoidance of discharge to the MHPA, and avoidance of direct lighting towards the MHPA areas. As such, no impacts to MHPA and/or sensitive resources would occur. The project would also include replacement and reinstallation of valves, water services, fire hydrants, and other appurtenances and would also included the construction of curb ramps, and street resurfacing. Traffic control

measures and Best Management Practices (BMPs) would be implemented during construction. Any street tree removal, relocation, and/or trimming would be done under the supervision of the City Arborist. All staging of construction equipment will be located outside of any potentially sensitive areas. The following streets and nearby alleyways would be affected by this project: Tuther Way, Cielo Drive, Woodman Street, Skyline Drive, Regents Road, Hidalgo Avenue, Clairemont Mesa Boulevard, Luna Avenue, B Street, F Street, Ash Street, 25<sup>th</sup> Street, and 27<sup>th</sup> Street.

SEWER GROUP 787 (PROJECT NO. 231928)

Sewer Group 787 would consist of the replacement of 26,436 lineal feet (LF) of existing 16-inch cast iron sewer pipe with new 16-inch polyvinyl chloride (PVC) pipe within the existing trench. A total of 1,267 LF of new 16-inch PVC sewer alignment would be installed in new trenches. In addition, the project would abandon 1,606 LF of existing 16-inch cast iron pipe. The proposed project would be installed by conventional excavation (open trench) in trenches from 3-5 feet deep. The project would affect the following streets and nearby alleyways: 42<sup>nd</sup> Street, Monroe Avenue, Edgeware Road, Polk Avenue, Orange Avenue, Menlo Avenue, 47<sup>th</sup> Street, Dwight Street, Myrtle Avenue, Manzanita Place, Heather Street, Dahlia Street, Poplar Street, Columbine Street, Pepper Drive, Juniper Street, Marigold Street, Sumac Drive, 44<sup>th</sup> Street, Laurie Lane, and Roseview Place all within the City Heights and Kensington-Talmadge Community Planning Areas.

WATER GROUP 914 (PROJECT NO. 233447)

Water Group 914 would consist of the replacement and installation of approximately 21,729 lineal feet (LF) of existing 6-inch, 8-inch and 12-inch cast iron pipes and 6-inch asphalt concrete pipes with new 8-inch, 12-inch and 16-inch polyvinyl chloride (PVC) pipe. Also included would be the construction of two underground pressure regulator stations that measure 54 square feet and 6.5 feet deep each. 17,472 LF would be located in existing trenches and 4,257 LF would be located in new trench lines. The proposed project would be installed by conventional excavation (open trench) in trenches from 3-5 feet deep. However two 300 LF parallel line sections (600 LF total) of the water alignment would be installed by trenchless methodology utilizing two (2) 40 square foot launch and receiver pits. The trenchless installation would occur at the intersection of Coronado Avenue and Ebers Street and is designed to avoid a recorded archaeological resource at this intersection. The trenchless methodology would employ directional underground boring that would install the pipe at a depth deeper than the recorded resource. In addition, a 4-inch AC water segment of approximately 520 LF located along Point Loma Avenue between Guizot Street and Santa Barbara Street will be abandoned in place. The project would affect the following streets and nearby alleyways: Point Loma Avenue, Santa Barbara Street, Bermuda Avenue, Pescadero Avenue, Cable Street, Orchard Avenue, Froude Street, Sunset Cliffs Boulevard, Savoy Circle, and Del Monte Avenue all within the Ocean Beach and Peninsula Community Planning Areas.

SEWER AND WATER GROUP 732 (PROJECT NO. 206610)

Sewer and Water Group Job 732 would consist of the installation of approximately 5,500 total linear feet (LF) of 8 inch Polyvinyl Chloride (PVC) sewer pipe, and approximately

3,000 total linear feet (LF) of 12 inch PVC water pipe. Approximately, 1,035 LF of water pipe would be rehabilitated using trenchless technology in the same trench, with the remainder of the installation accomplished through open trenching. Related work would include construction of new manholes, replacement and re-plumbing of sewer laterals, installation of curb ramps, pavement restoration, traffic control, and storm water best management practices. Construction of the project would affect portions of the following streets and adjacent alleys in the Peninsula Community Plan area: Xenophon Street, Yonge Street, Zola Street, Alcott Street, Browning Street, Plum Street, Willow Street, Evergreen Street, Locust Street, and Rosecrans Street.

#### SUBSEQUENT PIPELINE PROJECT REVIEW (LONG TERM)

Applications for the replacement, rehabilitation, relocation, point repair, open trenching and abandonment of water and/or sewer pipeline alignments within the City of San Diego PROW as indicated in the Subject block above and in the Project Description discussion of the Initial Study would be analyzed for potential environmental impacts to Historical Resources (Archaeology, Paleontology and the Built Environment) and Land Use (MSCP/MHPA), and reviewed for consistency with this Mitigated Negative Declaration (MND). Where it can be determined that the project is "consistent" with this MND and no additional potential significant impacts would occur pursuant to State CEQA Guideline § 15162 (i.e. the involvement of new significant environmental effects of a substantial increase in the severity of previously identified effects) or if the project would result in minor technical changes or additions, then an Addendum to this MND would be prepared pursuant to §15164. Where future projects are found not to be consistent with this MND, then a new Initial Study and project specific MND shall be prepared.

9. Surrounding land uses and setting. Briefly describe the project's surroundings: The scope of the MND is city-wide and future projects would be located within the Right-of-Way, which is categorized as Road/Freeways/Transportation Facilities in the General Plan. Surrounding land uses would vary depending on the location proposed.
10. Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement.): None.

**ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:**

The environmental factors checked below would be potentially affected by this project, involving at least one impact that is a "Potentially Significant Impact" as indicated by the checklist on the following pages.

- |   |  |   |
|---|--|---|
| <input type="checkbox"/> Aesthetics                         | <input type="checkbox"/> Greenhouse Gas Emissions      | <input type="checkbox"/> Population/Housing                         |
| <input type="checkbox"/> Agriculture and Forestry Resources | <input type="checkbox"/> Hazards & Hazardous Materials | <input type="checkbox"/> Public Services                            |
| <input type="checkbox"/> Air Quality                        | <input type="checkbox"/> Hydrology/Water Quality       | <input type="checkbox"/> Recreation                                 |
| <input type="checkbox"/> Biological Resources               | <input checked="" type="checkbox"/> Land Use/Planning  | <input type="checkbox"/> Transportation/Traffic                     |
| <input checked="" type="checkbox"/> Cultural Resources      | <input type="checkbox"/> Mineral Resources             | <input type="checkbox"/> Utilities/Service System                   |
| <input type="checkbox"/> Geology/Soils                      | <input type="checkbox"/> Noise                         | <input checked="" type="checkbox"/> Mandatory Findings Significance |

**DETERMINATION:** (To be completed by Lead Agency)

On the basis of this initial evaluation:

- The proposed project **COULD NOT** have a significant effect on the environment, and a **NEGATIVE DECLARATION** will be prepared.
- Although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A **MITIGATED NEGATIVE DECLARATION** will be prepared.
- The proposed project **MAY** have a significant effect on the environment, and an **ENVIRONMENTAL IMPACT REPORT** is required.
- The proposed project **MAY** have a "potentially significant impact" or "potentially significant unless mitigated" impact on the environment, but at least one effect (a) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and (b) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets. An **ENVIRONMENTAL IMPACT REPORT** is required.
- Although the proposed project could have a significant effect on the environment, because all potentially significant effects (a) have been analyzed adequately in an earlier EIR or (MITIGATED) **NEGATIVE DECLARATION** pursuant to applicable standards, and (b) have been avoided or mitigated pursuant to that earlier EIR or (MITIGATED) **NEGATIVE DECLARATION**, including revisions or mitigation measures that are imposed upon the proposed project, nothing further is required.

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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D) AESTHETICS – Would the project:

- a) Have a substantial adverse effect on a scenic vista?

Near-term or future projects would involve the replacement, rehabilitation, relocation, point repair, new trenching, and abandonment of water and/or sewer alignments and associated improvements such as curb ramps, pedestrian ramps, lateral connections, manholes all located below the existing PROW. It is not anticipated that removal and/or replacement of street trees and the removal and/or replacement of street lights; therefore scenic vistas would not be impacted.

- b) Substantially damage scenic resources, including but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?

Near-term or future projects may involve work that could affect street trees, historic buildings or a scenic state highway; however, any work of this type would be reviewed by qualified historical staff to ensure that construction related activities not impact the integrity of the any scenic resources. Additionally, any associated street improvements, if located within a historic district, would be required to comply with the mitigation measures incorporated in Section V of this MND.

- c) Substantially degrade the existing visual character or quality of the site and its surroundings?

Please see I.b.

- d) Create a new source of substantial light or glare that would adversely affect day or nighttime views in the area?

The scope of development for near-term and/or future projects would predominantly be located below existing grade, with the possible exception of any associated street improvements (e.g. curb ramps, pedestrian ramps, street trees, etc.). The removal and/or replacement of street lights within any particular project alignment would not create a new source of substantial light or glare. Additionally, no associated street improvements would involve the use of highly reflective materials. Therefore, the project would not have the potential to create substantial light or glare impacts.

II) AGRICULTURAL AND FOREST RESOURCES: In determining whether impacts to agricultural resources are significant environmental effects, lead agencies may refer to the California Agricultural Land Evaluation and Site Assessment Model (1997) prepared by the California Department of Conservation as an optional model to use in assessing impacts on agriculture and farmland. In determining whether impacts to forest resources, including timberland, are significant environmental

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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effects, lead agencies may refer to information compiled by the California Department of Forestry and Fire Protection regarding the state's inventory of forest land, including the Forest and Range Assessment Project and the Forest Legacy Assessment project; and forest carbon measurement methodology provided in Forest Protocols adopted by the California Air Resources Board. – Would the project:

- a) Converts Prime Farmland, Unique Farmland, or Farmland of Statewide Importance (Farmland), as shown on the maps prepared pursuant to the Farmland Mapping and Monitoring Program of the California Resources Agency, to non-agricultural use?

Near-term and/or future pipeline alignments would be located within the developed PROW which would not be classified as farmland by the Farmland Mapping and Monitoring Program (FMMP). Any adjacent areas in agricultural production would not be affected by near-term and/or future pipeline projects. Therefore, the project in and of itself would not result in the conversion of farmland to non-agricultural uses.

- b) Conflict with existing zoning for agricultural use, or a Williamson Act Contract?

Please see II.a

- c) Conflict with existing zoning for, or cause rezoning of, forest land (as defined in Public Resources Code section 1220(g)), timberland (as defined by Public Resources Code section 4526), or timberland zoned Timberland Production (as defined by Government Code section 51104(g))?

The public right of way and land surrounding any near-term and/or future pipeline alignments is not zoned as forest land as all areas are within the urbanized boundaries of the City of San Diego. Therefore, the project would not conflict with existing zoning for forest land.

- d) Result in the loss of forest land or conversion of forest land to non-forest use?

The project is located within the developed public right of way and the land surrounding any near-term and/or future pipeline alignments is not designated forest land as all areas are within the urbanized boundaries of the City of San Diego. Therefore, the project would not convert forest land to a non-forest use.

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
e) Involve other changes in the existing environment, which, due to their location or nature, could result in conversion of Farmland to non-agricultural use or conversion of forest land to non-forest use?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

The project would not involve a change in land use and would not impact farmland or forestland.

III. AIR QUALITY – Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied on to make the following determinations - Would the project:

a) Conflict with or obstruct implementation of the applicable air quality plan?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Near-term and/or future pipeline alignments would not involve any future actions that would generate air quality emissions as a result of the proposed use (e.g. vehicle miles traveled, etc). However, emission would occur during the construction phase of the project and could increase the amount of harmful pollutants entering the air basin. The emissions would be minimal and would only occur temporarily during construction. Additionally, the construction equipment typically involved in water/sewer projects is small-scale and generates relatively few emissions. When appropriate, dust suppression methods would be included as project components. As such, any near-term and/or future projects would not be inconsistent with the region's air quality plan.

b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Please see III.a

c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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As described above, construction operations could temporarily increase the emissions of dust and other pollutants. However, construction emissions would be temporary and implementation of Best Management Practices would reduce potential impacts related to construction activities to

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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below a level of significance. Therefore, any near-term and/or future pipeline alignments would not result in a cumulatively considerable net increase of any criteria pollutant for which the project is non-attainment in the region under applicable federal or state ambient air quality standards.

- d) Expose sensitive receptors to substantial pollutant concentrations?

Construction operations could temporarily increase the emissions of harmful pollutants, which could affect sensitive receptors adjacent to the project. However, construction emissions would be temporary and it is anticipated that implementation of construction BMPs would reduce potential impacts related to construction activities to minimal levels. Therefore, any near-term and/or future pipeline projects would not expose sensitive receptors to substantial pollutant concentrations.

- e) Create objectionable odors affecting a substantial number of people?

Operation of construction equipment and vehicles could generate odors associated with fuel combustion. However, these odors would dissipate into the atmosphere upon release and would only remain temporarily in proximity to the construction equipment and vehicles. Therefore, any near-term and/or future pipeline projects would not create substantial amounts of objectionable odors affecting a substantial number of people.

IV. BIOLOGICAL RESOURCES – Would the project:

- a) Have substantial adverse effects, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?

Near-term and/or future pipeline projects would be limited to development proposals that do not impact Sensitive Biological Resources. Any near-term and/or future actions that would impact Sensitive Biological Resources would not be consistent with this MND and a new Initial Study and MND would be prepared in accordance with the provisions of CEQA.

- b) Have a substantial adverse effect on any riparian habitat or other community identified in local or



Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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regional plans, policies, and regulations or by the California Department of Fish and Game or U.S. Fish and Wildlife Service?

See IV. b)

- c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including but not limited to marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?

Any near-term and/or future pipeline projects would be located in the developed public right of way where wetlands would not be present, either within or adjacent to the project's boundaries. Therefore, any near-term and/or future pipeline projects do not have the potential to impact these resources. Any near-term and/or future actions that would impact wetland resources would not be consistent with this MND and a new Initial Study and MND would be prepared in accordance with the provisions of CEQA.

- d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors, or impede the use of native wildlife nursery sites?

Any near-term and/or future pipeline projects would not result in adverse impacts on wildlife movement in the project's areas. As previously mentioned above, these projects would be located in the developed public right of way which would not contain wildlife corridors.

- e) Conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance?

Any near-term and/or future pipeline projects would not conflict with any local policies or ordinances protecting biological resources, such as a tree preservation policy or ordinance. Any near-term and/or future pipeline projects may involve associated street improvements such as the replacement of street trees. However, trees that are covered under any kind of a preservation policy or ordinance would not be part of any future actions. Additionally, future project areas would lack any sensitive biological resources and would not require the removal of any unique or

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
sensitive trees. As such, the project would not result in conflict with local policies protecting biological resources.				
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Plan, or other approved local, regional, or state habitat conservation plan?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Near-term and/or future pipeline projects may be located in close proximity to, or adjacent to the City's Multi-Habitat Planning Area (MHPA), but not within the MHPA. MHPA Land Use Adjacency mitigation has been incorporated into the Mitigation, Monitoring and Reporting Program (MMRP) to mitigate indirect impacts to the MHPA. Therefore, the project does not have the potential to impact any habitat conservation plans and would not result in indirect impacts to the MHPA.

V. CULTURAL RESOURCES – Would the project:

a) Cause a substantial adverse change in the significance of an historical resource as defined in §15064.5?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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The purpose and intent of the *Historical Resources Regulations of the Land Development Code (Chapter 14, Division 3, and Article 2)* is to protect, preserve and, where damaged, restore the historical resources of San Diego. The regulations apply to all proposed development within the City of San Diego when historical resources are present on the premises.

CEQA requires that before approving discretionary projects, the Lead Agency must identify and examine the significant adverse environmental effects, which may result from that project. A project that may cause a substantial adverse change in the significance of a historical resource may have a significant effect on the environment (Sections 15064.5(b) and 21084.1). A substantial adverse change is defined as demolition, destruction, relocation, or alteration activities, which would impair historical significance (Sections 15064.5(b)(1)). Any historical resource listed in, or eligible to be listed in the California Register of Historical Resources, including archaeological resources, is considered to be historically or culturally significant.

Near-term and/or future pipeline projects may include future actions that would be analyzed for the potential to impact archaeological resources. For those proposals that include ground disturbing activities and are located within mapped areas of the City that indicate a potential for the discovery of archaeological resource, monitoring would be required. As such, when required, archaeological monitoring would reduce potential impacts to archaeological resources to below a level of significance.

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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Any near-term or future project which is located within a designated historical district would be subject to review by qualified historical staff to determine whether the project would have an adverse effect on the district requiring specific mitigation, as detailed in Section V., of the MND or if the project requires further review in accordance with the Historical Resources Regulations. A project which would adversely affect a designated historical district because it could not comply with the Secretary of the Interior Standards or implement the required MMRP would not be consistent with this MND and a new Initial Study and MND would be prepared in accordance with the provisions of CEQA.

- b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?

Near-term and/or future pipeline projects would include work that requiring trenching in areas where there is a potential for archaeological resources to be encountered. As such, the requirement for archaeological monitoring has been included in the MMRP. Projects that would have a direct impact on a recorded or designated archaeological site which requires Phase 2 Testing and mitigation measures (e.g. Archaeology Data Recovery Program) would not be consistent with this MND and a new Initial Study and MND would be prepared in accordance with the provisions of CEQA. Projects which could be found to be adequately covered under this MND and only require monitoring would not result in a significant adverse change in the significance of a resource pursuant to §15064.5 with implementation of the MMRP identified in Section V., of the MND.

- c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?

Near-term and/or future pipeline projects may include work that is underlain by sensitive fossil bearing formations which could be impacted if trenching is anticipated at depths greater than 10 feet. Therefore, based on the sensitivity of the affected formation and the proposed excavation depths, the project could result in significant impacts to paleontological resources.

To reduce this impact to below a level of significance, excavation within previously undisturbed formations at a depth of 10 or more feet would be monitored by a qualified paleontologist or paleontological monitor. Any significant paleontological resources encountered would be recovered and curated. Paleontological monitoring would be required and would reduce potential impacts to below a level of significance.

- d) Disturb any human remains, including those interred outside of formal cemeteries?

A potential to encounter human remains during construction activity within the City's public right-of-way exists for any near-term or future pipeline alignment project; especially in areas where work would occur within high sensitivity areas for archaeological resources which can include Native American remains. Mitigation measures addressing the unanticipated discovery

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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of Native American human remains are included in Section V of the MMRP. Implementation of these measures would reduce potential unanticipated impacts to below a level of significance.

For projects that are not covered under this environmental document (e.g., meet the criteria for a Statutory or Categorical Exemption under CEQA), then standard language regarding the unanticipated discovery of human remains of unknown origin found in the *City of San Diego Standard Specifications for Public Works Construction ("WHITEBOOK")* would take precedence. Upon notification by the Contractor of the discovery of human remains of unknown origin, these requirements require that the Engineer shall immediately notify the San Diego County Coroner to start the investigation process, in accordance with the California Health and Safety Code §§7050.5 and 7051 and the California Public Resources Code.

VI. GEOLOGY AND SOILS – Would the project:

a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:

- |  |                          |                          |                          |                                     |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| i) Rupture of a known earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42. | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

Near-term and/or future pipeline projects would utilize proper engineering design and standard construction practices in order to ensure that potential impacts in this category based on regional geologic hazards would remain less than significant. Therefore, risks from rupture of a known earthquake fault would be below a level of significance.

- |                                    |                          |                          |                          |                                     |
|------------------------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|
| ii) Strong seismic ground shaking? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|------------------------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|

Near-term and/or future pipeline projects would not expose people or structures to strong seismic ground shaking. The design of the proposed project and any subsequent projects would utilize proper engineering design and standard construction practices to ensure that the potential for impacts from ground shaking would be below a level of significance.

- |  |                          |                          |                          |                                     |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| iii) Seismic-related ground failure, including | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
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Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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liquefaction?

The design of any near-term and/or future pipeline projects would utilize proper engineering design standard construction practices to ensure that the potential for impacts from seismic-related ground failure, including liquefaction would be below a level of significance.

iv) Landslides?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Near-term and/or future pipeline projects would not include actions that would expose people or structures to the risk of loss, injury, or death involving landslides. Pipeline design for projects covered under this MND would utilize proper engineering design and standard construction practices to ensure that the potential for impacts would be below a level of significance.

b) Result in substantial soil erosion or the loss of topsoil?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
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Construction of the near-term and/or future pipeline projects covered under this MND would take place within the developed public right of way. Any disturbances to streets and alleys would be replaced in kind. Additionally, appropriate BMPs aimed at preventing soil erosion would be incorporated during construction and design of the project. As such, project implementation would not result in a substantial amount of soil erosion or loss of topsoil.

c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction or collapse?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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Near-term and/or future pipeline projects are located entirely within the City's PROW (See project descriptions). It is possible, that any near-term and/or future projects may be located throughout the City within the Public Right-of-Way and may be located within various Geologic Hazard Categories. However, proper engineering design and utilization of standard construction practices would ensure that the potential for impacts would be less than significant.

d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risks to life or property?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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The design of any near-term and/or future pipeline projects would utilize proper engineering design and utilization of standard construction practices would ensure that the potential for impacts would be less than significant.

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

The design of any near-term and/or future pipeline projects covered under this MND would utilize proper engineering design and standard construction practices to ensure that the potential for impacts would be below a level of significance.

VII. GREENHOUSE GAS EMISSIONS - Would the project:

a) Generate greenhouse gas emissions, either directly or indirectly, that may have a significant impact on the environment?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
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The City of San Diego is utilizing the California Air Pollution Control Officers Association (CAPCOA) report "CEQA and Climate Change" (CAPCOA 2009) to determine whether a GHG analysis would be required for submitted projects. The CAPCOA report references a 900 metric ton guideline as a conservative threshold for requiring further analysis and possible mitigation. This emission level is based on the amount of vehicle trips, the typical energy and water use associated with projects, and other factors.

CAPCOA identifies project types that are estimated to emit approximately 900 metric tons of GHG's annually. This 900 metric ton threshold is roughly equivalent to 35,000 square feet of office space, 11,000 square feet of retail, 50 single-family residential units, 70 multi-family residential units and 6,300 square feet of supermarkets.

Since any future pipeline projects covered in this CEQA document do not fit in the categories listed above, a GHG modeling analysis would be conducted for each project.

A GHG modeling analysis was conducted for each near-term project also covered in the MND. This modeling was conducted to determine the level of GHG emissions. The Roadway Construction Emissions Model is a spreadsheet program created by the Sacramento Metropolitan Air Quality Management District to analyze construction related GHGs and was utilized to quantify the project's GHG emissions. The model utilizes project information (e.g. total construction months, project type, construction equipment, grading quantities and the total disturbance area, etc.) to quantify GHG emissions from heavy-duty construction equipment, haul trucks, and worker commute trips associated with linear construction projects.

**Harbor Drive project:** Results of the Roadway Construction Emissions Model output demonstrated that during the 6 months of construction the project would generate approximately 250 metric tons of emissions per year. On an annualized basis, the output would be approximately 500 metric tons per year. The output for the project falls well below the 900 metric ton per year figure. Therefore, based

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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upon the analysis showed above the project would result in a less than significant CEQA Greenhouse gas impact and mitigation would not be required.

**Sewer/Water Job 732:** Results of the Roadway Construction Emissions Model output demonstrated that the project duration of 6 months, and assuming a May start date, this project would produce 162.5 metric tons of CO2 in the first year and 0 metric tons of CO2 the second year. The output for the project falls well below the 900 metric ton figure. Therefore, based upon the analysis showed above the project would result in a less than significant CEQA Greenhouse gas impact and mitigation would not be required.

~~**Sewer Group 787:** Results of the Roadway Construction Emissions Model output demonstrated that this project would produce a total of 555.9 metric tons of CO2 during the 19-month construction period. Assuming a September start, 117.0 metric tons would be generated in the second year, and 87.8 metric tons of CO2 would be generated in the third year. The project's estimated GHG emissions results are well below the 900 metric tons of CO2 and, therefore, impacts are less than CEQA significant and mitigation would not be required.~~

**Water Group 914:** Results of the Roadway Construction Emissions Model output demonstrated that this project's duration is 14 months and assuming a September start date the project would produce 141.5 metric tons of CO2 in the first year, and 353.7 metric tons of CO2 in the second year. The project's estimated GHG emissions results are well below the 900 metric tons of CO2 and; therefore, impacts are less than CEQA significant and mitigation would not be required.

**Water Group 949:** Results of the Roadway Construction Emissions Model output demonstrated that the project duration of 6 months, and assuming a May start date, the project would produce 162.5 metric tons of CO2 in the first year and 0 metric tons of CO2 the second year. The output for the project falls well below the 900 metric ton figure. Therefore, based upon the analysis showed above the project would result in a less than significant CEQA Greenhouse gas impact and mitigation would not be required.

For a determination of whether future projects would be consistent with this MND, the Roadway Construction Emissions Model can be utilized. If the output is less than 900 metric tons of GHG annually, then no further analysis is needed and the project would be consistent with the GHG analysis in this document. If, however, the output from the Roadway Construction Emission Model is greater than 900 metric tons annually, then a formal GHG Analysis would be conducted incorporating appropriate mitigation measures. If the analysis indicates project implementation would result in 900 metric tons or more annually, then the project would not be consistent with the GHG analysis in this MND as the project would be required to incorporate mitigation to reduce its GHG output by 30% compared to the California Air Resources Board (CARB) 2020 business-as-usual forecast and a new Initial Study and MND would be prepared pursuant to CEQA.

- b) Conflict with an applicable plan, policy, or regulation adopted for the

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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purpose of reducing the emissions of greenhouse gases?

Please see VII.a. It is anticipated that the any near-term and/or future pipeline projects would not conflict with any applicable plans, policies, or regulations related to greenhouse gases.

**VIII. HAZARDS AND HAZARDOUS MATERIALS – Would the project:**

- a) Create a significant hazard to the public or the environment through routine transport, use, or disposal of hazardous materials?

Construction of any near-term and/or future pipeline projects covered under this MND may require the use of hazardous materials (e.g., fuels, lubricants, solvents, etc.) which would require proper storage, handling, use and disposal; however, these conditions would not occur during routine construction within the PROW. Construction specifications would include requirements for the contractor regarding where routine handling or disposal of hazardous materials could occur and what measures to implement in the event of a spill from equipment. Compliance with contract specifications would ensure that potential hazards are minimized to below a level of significance.

- b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?

Any near-term and/or future project alignments covered under this MND have the potential to traverse properties which could contain Leaking Underground Storage Tank (LUST) cleanup sites, permitted UST's, or contaminated sites located within a 1,000 feet from the project alignments; however, in the event that construction activities encounter underground contamination, the contractor would be required to implement § 803 of the City's "WHITEBOOK" for "Encountering or Releasing Hazardous Substances or Petroleum Products" of the City of San Diego Standard Specifications for Public Works Construction which is included in all construction documents and would ensure the proper handling and disposal of any contaminated soils in accordance with all applicable local, state and federal regulations. Compliance with these requirements would minimize the risk to the public and the environmental; therefore, impacts would remain less than significant.

- c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?

Several of the near-term projects are located within a ¼ mile radius of an existing or proposed school



Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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and would involve trenching activities that could result in the release of hazardous emissions if unanticipated contamination is encountered within the PROW. The same would be true for any future projects that may be proposed within ¼ mile of an existing or proposed school and would involve trenching activities that could result in the release of hazardous emissions if unanticipated contamination is encountered. In both cases, §803 of the City of San Diego's "WHITEBOOK" is included in all construction documents to ensure that appropriate protocols are followed pursuant to County DEH requirements should any hazardous conditions be encountered. As such, impacts regarding the handling or discovery of hazardous materials, substances or waste within close proximity of a school would be below a level of significance with implementation of the measures required pursuant to the contract specifications and County DEH oversight.

- d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?

Although none of the near-term project alignments covered in the document are identified on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5, future projects could be located within close proximity to hazardous materials sites or within 1,000 feet from leaking USTs. However, as previously outlined in VIII a-c above, specific measures have been or will be incorporated into the contract specifications to address any contaminated soils encountered during construction related activities in accordance with local, state, and federal regulations. Therefore, with implementation of measures contained in the contract specifications, potential hazards would be reduced to below a level of significance.

- e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two mile of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?

Several near-term projects covered in this MND (Harbor Drive Pipeline, Water Group 914, and Sewer/Water Group 732) are located within or in close proximity to the Airport Influence Area (AIA) of the San Diego International Airport's Airport Land Use Compatibility Plan (ALUCP). This geographically demarcated area that surrounds Lindbergh Field ensures that factors such as noise, land use, safety and airspace protection are considered anytime a land use decision is made. Since these near-term projects and any future projects are linear underground projects, construction of these types of projects would not introduce any new features that would result in a safety hazard for people residing in or working in the area or create a flight hazard.

- f) For a project within the vicinity of a private airstrip, would the project

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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result in a safety hazard for people residing or working in the project area?

None of the near-term or future project alignments would be located within the vicinity of a private airstrip; no provide airstrips are located with the jurisdictional boundaries of the City of San Diego; therefore, no impact would result under this category.

- g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?

Construction of any near-term or future projects would temporarily affect traffic circulation within the project Area of Potential Effect (APE) and its adjoining roads. However, an approved Traffic Control Plan would be implemented during construction which would allow emergency plans to be employed. Therefore, the project would not physically interfere with an adopted emergency response plan or emergency evacuation plan.

- h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?

Construction of any near-term or future projects would be located within the City's Public Right-of-Way and would not be located within or adjacent wildlands that could pose a threat of wildland fires. Additionally, sewer and water infrastructure projects would not introduce any new features that would increase the risk of fire.

**IX. HYDROLOGY AND WATER QUALITY - Would the project:**

- a) Violate any water quality standards or waste discharge requirements?

Potential impacts to existing water quality standards associated with the any near-term and/or future projects would include minimal short-term construction-related erosion/sedimentation, but would not include any long term operational storm water impacts. Any near-term and/or future projects would be required to comply with the City's Storm Water Standards Manual. Depending on the area of disturbance, projects would have to comply with either a Water Pollution Control Plan (WPCP) or Storm Water Pollution Prevention Plan (SWPPP). These plans would prevent or effectively minimize short-term water quality impacts during construction activities. Therefore, the proposed project would not violate any existing water quality standards or discharge requirements.

- b) Substantially deplete groundwater supplies or interfere substantially

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted)?

Any near-term and/or future projects do not propose the use of groundwater. Furthermore, these projects would not introduce a substantially large amount of new impervious surfaces over ground that could interfere with groundwater recharge. Therefore, construction of these projects would not substantially deplete groundwater supplies or interfere substantially with groundwater recharge.

- c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, in a manner, which would result in substantial erosion or siltation on- or off-site?

Any near-term and/or future projects would be located below the surface of the developed public right of way within paved streets. Upon completion of the installation of the utility lines the streets would be returned to their preexisting conditions. Therefore these projects would not substantially alter any existing drainage patterns.

- d) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner, which would result in flooding on- or off-site?

Please see IX.c.

- e) Create or contribute runoff water, which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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Conformance to BMPs outlined in an approved WPCP and compliance with the City Stormwater Standards would prevent or effectively minimize short-term construction runoff impacts from any near-term and/or future pipeline projects covered under the MND. Additionally, these projects would not result in a substantial increase in impervious surface, and therefore, would not contribute runoff water that would exceed the capacity of existing storm water systems.

- f) Otherwise substantially degrade water quality?

Conformance to BMPs outlined in an approved WPCP and compliance with the City Stormwater Standards would prevent or effectively minimize short-term construction runoff impacts from any near-term and/or future pipeline projects covered under the MND. See IX-a.

- g) Place housing within a 100-year flood hazard area as mapped on a federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?

The near-term and/or future pipeline projects would not include the construction of any housing.

- h) Place within a 100-year flood hazard area, structures that would impede or redirect flood flows?

The near-term and/or future pipeline projects would not impede the direction of flows or substantially impact a 100-year flood hazard area.

- i) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?

The near-term and/or future pipeline projects would not include any new features that would increase the risk associated with flooding beyond those of any existing conditions.

- j) Inundation by seiche, tsunami, or mudflow?

The near-term and/or future pipeline projects would not include any new features that would increase the risk associated with seiche, tsunami, or mudflow beyond those of any existing conditions.

**X. LAND USE AND PLANNING – Would the project:**

- a) Physically divide an established community?

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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Implementation of the near-term and/or future pipeline projects would involve replacing and installing utility infrastructure and would not introduce new features that could divide an established community.

- b) Conflict with any applicable land use plan, policy, or regulation of an agency with jurisdiction over the project (including but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?

Implementation of the near-term and/or future pipeline projects would involve replacing and installing utility infrastructure and would be consistent with all applicable land use plans, policies, or regulations of an agency with jurisdiction over the project and would not conflict with any land use plans.

- c) Conflict with any applicable habitat conservation plan or natural community conservation plan?

Implementation of the near-term and/or future pipeline projects would involve replacing and installing utility infrastructure located entirely within the developed public right of way. Although some projects could be located within proximity to the City's MHPA which is covered by the MSCP Subarea Plan, no conflicts are anticipated because implementation of the MHPA Land Use Adjacency Guidelines would be required for any project located within 100 feet from the MHPA. Measures to reduce potential indirect impacts to the City's MHPA have been included in the MMRP contained within Section V. of the MND.

**XI. MINERAL RESOURCES -- Would the project?**

- a) Result in the loss of availability of a known mineral resource that would be of value to the region and the residents of the state?

Areas surrounding the near-term project alignments are not being used for the recovery of mineral resources. Similarly, these areas are also not designated for the recovery of mineral resources on the City of San Diego General Plan Land Use Map. Additionally, any future projects submitted for review in accordance with this MND would be evaluated based on their proximity to areas where mineral resources could be affected. At this time however, it is not anticipated that any future pipeline project, which would be located entirely within the PROW would result in the loss of

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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availability of a known mineral resource of value to the region and the state.

- b) Result in the loss of availability of a locally important mineral resource recovery site delineated on a local general plan, specific plan or other land use plan?

Areas surrounding the near-term project alignments have not been delineated as being used for the recovery of mineral resources or designated for the recovery of mineral resources on the City of San Diego General Plan Land Use Map. Additionally, any future projects submitted for review in accordance with this MND would be evaluated based on their proximity to areas where mineral resources could be affected. At this time however, it is not anticipated that any future pipeline project, which would be located entirely within the PROW would result in the loss of availability of a locally important mineral resource recovery site.

XII. NOISE – Would the project result in:

- a) Exposure of persons to, or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?

Any near-term or future pipeline projects covered under this MND would not in and of itself result in the generation of operational noise levels in excess of existing standards. However, some construction related noise would result, but would be temporary and transitory in nature and strictly regulated under San Diego Municipal Code Section 59.5.0404, "Noise Abatement and Control" which places limits on the hours of construction operations and standard decibels which cannot be exceeded. Therefore, people would not be exposed to noise levels in excess of those covered by existing noise regulations.

- b) Exposure of persons to, or generation of, excessive ground borne vibration or ground borne noise levels?

Any near-term or future pipeline projects covered under this MND would result in negligible ground disturbing vibrations during construction based on the type of equipment being used and the construction methodology being employed for each project type. Noise occurring during construction activities would be temporary and transitory in nature and would be strictly regulated under San Diego Municipal Code Section 59.5.0404, "Noise Abatement and Control" which places limits on the hours of construction operations and standard decibels which cannot be exceeded. Therefore, people would not be exposed to excessive ground disturbing vibration levels after completion of each project.

- c) A substantial permanent increase in ambient noise levels in the project

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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vicinity above levels existing without the project?

Any near-term or future pipeline projects covered under this MND all occur within the developed PROW would not permanently increase the ambient noise levels beyond those which exist without the project. Please see XII.a & b.

- d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above existing without the project?

A portion of one near-term project would be located along Harbor Drive where the existing noise environment is already high due to its proximity to Lindbergh Field and from high traffic patterns surrounding the airport and nearby businesses. Other near-term and/or future projects covered under this MND may occur City-wide and result in temporary construction related noise impacts; however, the increase in noise due to construction activities would be temporary in nature and strictly regulated in accordance with the Municipal Code. These temporary and periodic construction related noise increased would not be considered substantial and therefore, the increase in ambient noise levels would be less than significant. Please see XII.a.

- e) For a project located within an airport land use plan, or, where such a plan has not been adopted, within two miles of a public airport or public use airport would the project expose people residing or working in the area to excessive noise levels?

Several near-term projects covered in this MND (Harbor Drive Pipeline, Water Group 914, and Sewer/Water Group 732) are located within 2 miles of a public airport; specifically to the Airport Influence Area (AIA) of the San Diego International Airport's Airport Land Use Compatibility Plan (ALUCP). This geographically demarcated area that surrounds Lindbergh Field ensures that factors such as noise, land use, safety and airspace protection are considered anytime a land use decision is made. Although these near-term projects and any future projects are linear underground projects, construction would not in and of itself expose people residing in the area or construction workers to excessive noise levels beyond those that may currently exist. For projects within proximity to Lindbergh Field and heavily traveled roadways, the ambient noise level is already loud. Strict compliance with OSHA standards for worker safety would ensure that exposure to excessive noise levels would not occur for all other near-term and/or future pipeline projects.

- f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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None of the near-term projects are located within proximity to a private airstrip and it's not anticipated that any future projects would be either; mainly because no private airstrips are located in the urbanized areas within the City's jurisdictional boundaries. Therefore no impacts in this category would occur.

**XIII. POPULATION AND HOUSING – Would the project:**

- a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?

The near-term and/or future pipeline projects would replace, rehabilitate and install new utility infrastructure. These upgrades are intended to improve currently outdated sewer and water systems in order to keep up with current demand. These projects would not extend any existing roadways into undeveloped areas or introduce any new roadways that could induce population growth and therefore, no impact would occur.

- b) Displace substantial numbers of existing housing, necessitating the construction of replacement housing elsewhere?

The near-term and/or future pipeline projects would replace, rehabilitate and install new utility infrastructure. These upgrades are intended to improve currently outdated sewer and water systems in order to keep up with current demand. These projects would not displace any housing.

- c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?

See XIII b).

**XIV. PUBLIC SERVICES**

- a) Would the project result in substantial adverse physical impacts associated with the provisions of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service rations, response times or other



Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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performance objectives for any of the public services:

- i) Fire Protection

Any near-term or future pipeline project would not physically alter any fire protection facilities. Replacement and installation of utility infrastructure would not require any new or altered fire protection services. Future projects may require a Traffic Control Plan to ensure major disruptions to traffic flow do not occur. Disruptions to response times are not anticipated.

- ii) Police Protection

Any near-term or future pipeline project would not physically alter any fire protection facilities. Replacement and installation of utility infrastructure would not require any new or altered police protection services. Future projects may require a Traffic Control Plan to ensure major disruptions to traffic flow do not occur. Disruptions to response times are not anticipated.

- iii) Schools

Any near-term or future pipeline project would not physically alter any schools. Additionally, these projects would not include construction of future housing or induce growth that could increase demand for schools in the area.

- v) Parks

Any near-term or future pipeline project would not physically alter any parks. Therefore, these projects would not create demand for new parks or other recreational facilities.

- vi) Other public facilities

Any near-term or future pipeline project would not result in the increased demand for electricity, gas, or other public facilities. These projects would improve the sewer and water utility system to keep up with current and projected demand.

**XV. RECREATION –**

- a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?

Implementation of the near-term and/or future pipeline projects would replace and improve utility infrastructure. The improved infrastructure would not allow for increased access to existing recreation areas. These projects would not directly generate additional trips to existing recreation areas or induce future growth that would result in additional trips to these facilities. Therefore, these

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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projects would not increase the use of existing recreational areas such that substantial physical deterioration of the facility would occur or be accelerated.

- b) Does the project include recreational facilities or require the construction or expansion of recreational facilities, which might have an adverse physical effect on the environment?

Implementation of the near-term and/or future pipeline projects would replace and improve utility infrastructure and would not include the construction of recreational facilities or require the construction or expansion of recreational facilities.

**XVI. TRANSPORTATION/TRAFFIC – Would the project?**

- a) Conflict with an applicable plan, ordinance or policy establishing measures of effectiveness for the performance of the circulation system, taking into account all modes of transportation including mass transit and non-motorized travel and relevant components of the circulation system, including but not limited to intersections, streets, highways and freeways, pedestrian and bicycle paths, and mass transit?

Construction of the near-term and/or future pipeline projects would temporarily affect traffic circulation within the project's Area of Potential Effect (APE). However, an approved Traffic Control Plan would be implemented during construction so that traffic circulation would not be substantially impacted. Therefore, these projects would not result in an increase of traffic which is substantial in relation to existing traffic capacities.

- b) Conflict with an applicable congestion management program, including, but not limited to level of service standards and travel demand measures, or other standards established by the county congestion management agency for designated roads or highways?

Construction of the near-term and/or future pipeline projects would temporarily affect traffic circulation within the project's APE and its adjoining roads. However, an approved Traffic Control Plan would be implemented during construction so that traffic would not exceed cumulative or

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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individual levels of service.

- c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?

The near-term and any future projects covered under this MND would not include any tall structures or new features that could affect air traffic patterns or introduce new safety hazards related to air traffic.

- d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?

The near-term and any future projects covered under this MND would not include any tall structures or design features that would increase hazards in the area. All projects would be designed to meet City standards and therefore would meet existing levels of service.

- e) Result in inadequate emergency access?

Construction of the near-term or any future project would temporarily affect traffic circulation within the project's APE. However, an approved Traffic Control Plan would be implemented during construction so that there would be adequate emergency access.

- f) Conflict with adopted policies, plans, or programs regarding public transit, bicycle, or pedestrian facilities, or otherwise decrease the performance or safety of such facilities?

Construction of the near-term or any future project would temporarily impact circulation during construction activities as it relates to traffic, pedestrians, public transit and bicycles. However, the preparation of a Traffic Control Plan would ensure that any disruption to these services would not be significant.

**XVII. UTILITIES AND SERVICE SYSTEMS -- Would the project:**

- a) Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
<p>Construction of the near-term or any future projects covered under this MND would facilitate the treatment of wastewater and would not exceed the requirements of the Regional Water Quality Control Board.</p>				
<p>b) Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>Construction of the near-term or any future projects covered under this MND would result in improvements to water and sewer pipeline infrastructure. Use of this MND is limited to projects that would not result in a significant unmitigated impact to the environment.</p>				
<p>c) Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>Construction of the near-term or any future projects covered under this MND would not result in an increase in impervious surfaces as the scope is completely within the City Right-of-Way. Therefore, these projects would not require the construction of new storm water drainage facilities or expansion of existing facilities.</p>				
<p>d) Have sufficient water supplies available to serve the project from existing entitlements and resources, or are new or expanded entitlements needed?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>Construction of the near-term or any future projects covered under this MND would not increase the demand for water. These projects would improve the existing water pipelines system throughout the City.</p>				
<p>e) Result in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<p>See XVII c)</p>				
<p>f) Be served by a landfill with sufficient</p>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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permitted capacity to accommodate the project's solid waste disposal needs?

Construction of the near-term or any future projects covered under this MND would not result in the demolition of structures. Construction of these projects would likely generate minimal waste. This waste would be disposed of in accordance with all applicable local and state regulations pertaining to solid waste including permitting capacity of the landfill serving the project area. Demolition or construction materials which can be recycled shall comply with the City's Construction and Demolition Debris Ordinance. Operation of the project would not generate waste and, therefore, would not affect the permitted capacity of the landfill serving the project area.

- g) Comply with federal, state, and local statutes and regulation related to solid waste?

See XVII f). Any solid waste generated during construction related activities would be recycled or disposed of in accordance with all applicable local state and feral regulations.

**XVII. MANDATORY FINDINGS OF SIGNIFICANCE --**

- a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal or eliminate important examples of the major periods of California history or prehistory?

Any near-term and/or future pipeline projects covered under this MND would be located within the developed public right of way and would not impact any *Sensitive Biological Resources*. Projects that would be located adjacent to the MHPA would be required to incorporate MHPA Land Use Adjacency measures to reduce any potential indirect impacts. As such, indirect impacts would be mitigated to below a level of significance. With respect to historical resources, mitigation for archaeology, paleontology and the built environment have been incorporated into the MND. Each project would be analyzed and a determination made regarding which mitigation measures would be applied in the subsequent environmental document and would be required to comply with the mitigation measures further detailed in Section V of this MND. As a result, project implementation would not result in a significant impact to these resources.

- b) Does the project have impacts that are

Issue	Potentially Significant Impact	Less Than Significant with Mitigation Incorporated	Less Than Significant Impact	No Impact
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individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects)?

When viewed in connection with the effects of the near-term projects and any future pipeline projects on a Citywide basis, construction trenching has the potential to impact archaeological and paleontological resources which could incrementally contribute to a cumulative loss of non-renewable resources. However, with implementation of the mitigation measures found in Section V of the MND, this incremental impact would be reduced to below a level of significance.

Although any near-term and/or future projects could be located within a designated historical district, no direct or cumulative impact is anticipated because each project would be subject to review in accordance with the City's Historical Resources Guidelines, and for consistency with the Secretary of the Interior Standards and this environmental document. Measures to reduce potential indirect impacts for projects located within a historic district would be incorporated into each subsequent environmental document when applicable to the conditions and environmental setting of the alignment. Therefore, no cumulative impact would result under these project types.

Because the near-term and/or future projects would not be located in areas where biological resources could be encountered and would not result in a cumulative loss of resources. Measures to reduce potential indirect impacts for projects located adjacent to the City's MHPA would be incorporated into each subsequent environmental document when applicable to the conditions and environmental setting of the alignment. Implementation of the MHPA Land Use Adjacency Guidelines is consistent with the MSCP Subarea Plan & FEIR which addressed the cumulative loss of sensitive biological resources and edge effects on the MHPA from future development. Therefore, no cumulative impact would result under these project types.

- c) Does the project have environmental effects, which will cause substantial adverse effects on human beings, either directly or indirectly?

As stated previously, potentially significant impacts have been identified for Paleontological Resources, Archaeological Resources, Historical Resources (Historic Districts) and MHPA Land Use Adjacency. However, mitigation has been included in Section V of this MND to reduce impacts to below a level of significance. As such, project implementation would not result in substantial adverse impact to human beings.

## INITIAL STUDY CHECKLIST

### REFERENCES

#### I. AESTHETICS / NEIGHBORHOOD CHARACTER

- City of San Diego General Plan.
- Community Plan.
- Local Coastal Plan.

#### II. AGRICULTURAL RESOURCES & FOREST RESOURCES

- City of San Diego General Plan.
- U.S. Department of Agriculture, Soil Survey - San Diego Area, California, Part I and II, 1973.
- California Agricultural Land Evaluation and Site Assessment Model (1997)
- Site Specific Report:

#### III. AIR QUALITY

- California Clean Air Act Guidelines (Indirect Source Control Programs) 1990.
- Regional Air Quality Strategies (RAQS) - APCD.
- Site Specific Report:

#### IV. BIOLOGY

- City of San Diego, Multiple Species Conservation Program (MSCP), Subarea Plan, 1997
- City of San Diego, MSCP, "Vegetation Communities with Sensitive Species and Vernal Pools" Maps, 1996.
- City of San Diego, MSCP, "Multiple Habitat Planning Area" maps, 1997.
- Community Plan - Resource Element.
- California Department of Fish and Game, California Natural Diversity Database, "State and Federally-listed Endangered, Threatened, and Rare Plants of California," January 2001.
- California Department of Fish & Game, California Natural Diversity Database, "State and Federally-listed Endangered and Threatened Animals of California," January 2001.
- City of San Diego Land Development Code Biology Guidelines.
- Site Specific Report:

**V. CULTURAL RESOURCES (INCLUDES HISTORICAL RESOURCES)**

City of San Diego Historical Resources Guidelines.

City of San Diego Archaeology Library.

Historical Resources Board List.

Community Historical Survey:

Site Specific Report:

**VI. GEOLOGY/SOILS**

City of San Diego Seismic Safety Study.

U.S. Department of Agriculture Soil Survey - San Diego Area, California, Part I and II, December 1973 and Part III, 1975.

Site Specific Report:

**VII. GREENHOUSE GAS EMISSIONS**

Site Specific Report: 'Roadway Construction Emissions Models' conducted for each near-term project (2010 & 2011).

**VIII. HAZARDS AND HAZARDOUS MATERIALS**

San Diego County Hazardous Materials Environmental Assessment Listing

San Diego County Hazardous Materials Management Division

FAA Determination

State Assessment and Mitigation, Unauthorized Release Listing, Public Use Authorized.

Airport Land Use Compatibility Plan.

Site Specific Report:

**IX. HYDROLOGY/WATER QUALITY**

Flood Insurance Rate Map (FIRM).

Federal Emergency Management Agency (FEMA), National Flood Insurance Program - Flood Boundary and Floodway Map.

Clean Water Act Section 303(b) list, [http://www.swrcb.ca.gov/tmdl/303d\\_lists.html](http://www.swrcb.ca.gov/tmdl/303d_lists.html).

Site Specific Report:



**X. LAND USE AND PLANNING**

- City of San Diego General Plan.
- Community Plan.
- Airport Land Use Compatibility Plan: Lindberg Field
- City of San Diego Zoning Maps
- FAA Determination

**XI. MINERAL RESOURCES**

- California Department of Conservation - Division of Mines and Geology, Mineral Land Classification.
- Division of Mines and Geology, Special Report 153 - Significant Resources Maps.
- California Geological Survey - SMARA Mineral Land Classification Maps.
- Site Specific Report:

**XII. NOISE**

- Community Plan
- San Diego International Airport Master Plan CNEL Maps.
- MCAS Miramar ACLUP
- Brown Field Airport Master Plan CNEL Maps.
- Montgomery Field CNEL Maps.
- San Diego Association of Governments - San Diego Regional Average Weekday Traffic Volumes.
- San Diego Metropolitan Area Average Weekday Traffic Volume Maps, SANDAG.
- City of San Diego General Plan.
- Site Specific Report:

**XIII. PALEONTOLOGICAL RESOURCES**

- City of San Diego Paleontological Guidelines.
- Deméré, Thomas A., and Stephen L. Walsh, "Paleontological Resources City of San Diego," Department of Paleontology San Diego Natural History Museum, 1996.
- Kennedy, Michael P., and Gary L. Peterson, "Geology of the San Diego Metropolitan Area, California. Del Mar, La Jolla, Point Loma, La Mesa, Poway, and SW 1/4 Escondido 7 1/2

Minute Quadrangles," California Division of Mines and Geology Bulletin 200, Sacramento, 1975.

- Kennedy, Michael P., and Siang S. Tan, "Geology of National City, Imperial Beach and Otay Mesa Quadrangles, Southern San Diego Metropolitan Area, California," Map Sheet 29, 1977.
- Site Specific Report:

**XIV. POPULATION / HOUSING**

- City of San Diego General Plan.
- Community Plan.
- Series 11 Population Forecasts, SANDAG.
- Other:

**XV. PUBLIC SERVICES**

- City of San Diego General Plan.
- Community Plan.

**XVI. RECREATIONAL RESOURCES**

- City of San Diego General Plan.
- Community Plan.
- Department of Park and Recreation
- City of San Diego - San Diego Regional Bicycling Map
- Additional Resources:

**XVII. TRANSPORTATION / CIRCULATION**

- City of San Diego General Plan.
- Community Plan.
- San Diego Metropolitan Area Average Weekday Traffic Volume Maps, SANDAG.
- San Diego Region Weekday Traffic Volumes, SANDAG.
- Site Specific Report:

**XVIII. UTILITIES**

- City of San Diego General Plan.
- Community Plan.

\_\_\_\_ Site Specific Report:

**XIX. WATER CONSERVATION**

\_\_\_\_ City of San Diego General Plan.

\_\_\_\_ Community Plan.

\_\_\_\_ Sunset Magazine, New Western Garden Book. Rev. ed. Menlo Park, CA: Sunset Magazine.

\_\_\_\_ Site Specific Report:

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

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

1. **PURPOSE**

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

2. **AUTHORITY**

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

**Reference**

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

3. **DEFINITIONS**

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

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

3.3 **Backflow Preventor:** A Reduced Pressure Principle 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).

**Larry Gardner  
Water Department Director**

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

#### **APPENDIX**

**Administering Division:** Customer Support Division

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

**Distribution:** DI Manual Holders



# Application for Fire (EXHIBIT A) Hydrant Meter

(For Office Use Only)

NS REQ	FACH
DATE	BY

METER SHOP (619) 527-7449

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

## Meter Information

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

## Company Information

Company Name:			
Mailing Address:			
City:	State:	Zip:	Phone: ( )
*Business license#		*Contractor license#	
A Copy of the Contractor's license OR Business License is required at the time of meter issuance.			
Name and Title of Billing Agent: <small>(PERSON IN ACCOUNTS PAYABLE)</small>			Phone: ( )
Site Contact Name and Title:			Phone: ( )
Responsible Party Name:			Title:
Cal ID#			Phone: ( )
Signature:		Date:	
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			

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

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

WATER USES WITHOUT ANTICIPATED CHARGES FOR RETURN TO SEWER

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

**Note:**

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



Date

Name of Responsible Party  
Company Name and Address

Account Number: \_\_\_\_\_

Subject:           Discontinuation of Fire Hydrant Meter Service

Dear Water Department Customer:

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

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

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

Sincerely,

Water Department

**APPENDIX C**

**MATERIALS TYPICALLY ACCEPTED BY CERTIFICATE OF COMPLIANCE**

## Materials Typically Accepted by Certificate of Compliance

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

**APPENDIX D**  
**SAMPLE CITY INVOICE**



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

# MACC TASK #2- SEWER AND AC WATER GROUP JOB 778

SENIOR ENGINEER  
CARL SPIER  
(619) 533-5126

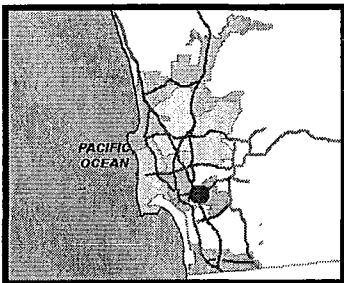
PROJECT MANAGER  
REGAN OWEN  
(619) 533-5205

PROJECT ENGINEER  
REYNALDO DEGUZMAN  
(619) 235-1999






CONSTRUCTION PROJECT  
INFORMATION LINE  
(619) 533-4207

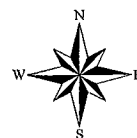


RIGHT OF WAY DIVISION



## Legend

-  PROPOSED SEWER OPEN TRENCH
-  SEWER TO BE ABANDONED
-  PROPOSED WATER GJ 778
-  AC WATER TO BE ABANDONED
-  PROPOSED SEWER REHAB GJ 778



Community Name: Encanto Neighborhood Southeastern

COUNCIL DISTRICT: 4

SAP ID: B00388 (S) \ B15069 (W)

Date: February 26, 2016  
MACC Request for Proposal (Rev. Feb 2016)



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**APPENDIX F**  
**HYDROSTATIC DISCHARGE FORM**



## APPENDIX

### Hydrostatic Discharge Requirements Certification (Discharge Events < 500,000 gpd)

Discharge activities related to this project comply with the Regional Water Quality Control Board (RWQCB) Order No. 2002-0020, General Permit for Discharges of Hydrostatic Test Water and Potable Water to Surface Water and Storm Drains as referenced by ([http://www.swrcb.ca.gov/rwqcb9/board\\_decisions/adopted\\_orders/2002/2002\\_0020.shtml](http://www.swrcb.ca.gov/rwqcb9/board_decisions/adopted_orders/2002/2002_0020.shtml)), and as follows:

Treated water has been dechlorinated to below 0.1 (mg/l) level; and effluent has been maintained between 6 and 9 (PH) based on:							is discharge within acceptable limits?		Comment
No.	Discharge Date & Amount (GAL)	Discharge Time	Meter Readings (at source)	Test Results (Chlorine / PH)	Name of Personnel Conducting Tests (print)	*signature of personnel	yes	no	
	Date	Start:	Start:						
	Amt:	End:	End:						
	Date	Start:	Start:						
	Amt:	End:	End:						
	Date	Start:	Start:						
	Amt:	End:	End:						
	Date	Start:	Start:						
	Amt:	End:	End:						
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	Amt:	End:	End:						
	Date	Start:	Start:						
	Amt:	End:	End:						
	Date	Start:	Start:						
	Amt:	End:	End:						

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

Operator Name: \_\_\_\_\_

Work Order No.(s): \_\_\_\_\_

Have any thresholds been exceeded? Per Order No. 2002-0020, would this be a reportable discharge and must be reported within 24 hours of the event? [Reportable discharge would include violation of maximum gallons per day, any upset discharges any effluent limit]

**APPENDIX G**  
**SAMPLE ARCHAEOLOGY INVOICE**

(FOR ARCHAEOLOGY ONLY)

Company Name

Address, telephone, fax

Date: Insert Date

To: Name of Resident Engineer  
City of San Diego  
Field Engineering Division  
9485 Aero Drive  
San Diego, CA 92123-1801

Project Name: Insert Project Name

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

Drawing Number: Insert Drawing Number

Invoice period: Insert Date to Insert Date

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

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

Summary of charges:

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

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

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

Summary of charges:

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

Total this invoice: \$ \_\_\_\_\_

Total invoiced to date: \$ \_\_\_\_\_

Note 1:

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

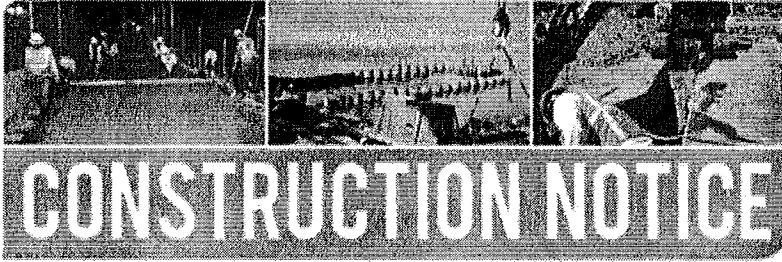
Note 2:

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

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

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

**APPENDIX H**  
**SAMPLE OF PUBLIC NOTICES**



## PROJECT NAME

### **Trenching on your street is complete.**

#### **What you need to know:**

- Pipe installation on your street is complete and construction crews are now installing new pipeline for this project at another location.
- You may see temporary trench plates or trench caps for some time –even after construction activities have concluded on your street.

#### **Street resurfacing:**

- Your Streets will be resurfaced once the entire pipeline project is complete.
- Concrete streets will not be resurfaced curb to curb; only the trench will be backfilled.
- Street resurfacing may be delayed due to the City's slurry seal moratorium.

#### **Estimated resurfacing completion on your street:**

(Insert Date-Month and Year)

**For questions related to this work**

**Call: (619) 533-4207**

**Email: [engineering@sandiego.gov](mailto:engineering@sandiego.gov)**

**Visit: [sandiego.gov/CIP](http://sandiego.gov/CIP)**



This information is available in alternative formats upon request.



**APPENDIX I**  
**HAZARDOUS LABEL/FORMS**

# HAZARDOUS WASTE

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

GENERATOR NAME \_\_\_\_\_  
ADDRESS \_\_\_\_\_ 24 HR. PHONE ( ) \_\_\_\_\_  
CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_  
EPA ID NO. \_\_\_\_\_ MANIFEST DOCUMENT NO. \_\_\_\_\_  
EPA WASTE NO. \_\_\_\_\_ CA WASTE NO. \_\_\_\_\_ ACCUMULATION START DATE / / \_\_\_\_\_

CONTENTS, COMPOSITION \_\_\_\_\_  
PROPER DOT SHIPPING NAME \_\_\_\_\_  
TECHNICAL NAME (S) \_\_\_\_\_  
UNNA NO. WITH PREFIX \_\_\_\_\_

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

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



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

## If you have an emergency, Call 911

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

### Questions for Incident Assessment:

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

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

\*Call 911 in an emergency\*

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

If in doubt, report the release.

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

# NON REPORTABLE RELEASE INCIDENT FORM

## 1. RELEASE AND RESPONSE DESCRIPTION

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

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

## 2. ADMINISTRATIVE INFORMATION

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

## 3. CHEMICAL INFORMATION

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

## EMERGENCY RELEASE FOLLOW - UP NOTICE REPORTING FORM

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

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

### **GENERAL INFORMATION:**

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

### **BASIC INSTRUCTIONS:**

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

### **SPECIFIC INSTRUCTIONS:**

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

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

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

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

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

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

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

Block H: List any additional pertinent information.

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

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

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

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

**APPENDIX J**

**SEWER MAINS, MANHOLE, AND LATERALS REHABILITATION SAMPLE DATA  
TEMPLATES**









**ATTACHMENT F**  
**INTENTIONALLY LEFT BLANK**

**ATTACHMENT G**

**PROPOSAL SUBMITTAL REQUIREMENTS AND SELECTION CRITERIA**

## ATTACHMENT G

### PROPOSAL SUBMITTAL REQUIREMENTS AND SELECTION CRITERIA

#### PUBLIC WORKS DEPARTMENT

1. **Addenda to the RFP (PASS/FAIL)**

- 1.1. The Design-Builder shall confirm the receipt of all addenda issued to this RFP. Failure to acknowledge all addenda issued, may result in the Proposal being considered **non-responsive** and ineligible for further consideration.
- 1.2. The Design-Builders are not required to include copies of the actual addenda in its Proposal.

2. **Exceptions to the RFP (PASS/FAIL)**

- 2.1. If the Design-Builder takes exception(s) to any portion of this RFP and its attachments, the specific portion of this RFP or attachment to which exception is taken shall be identified and explained to the City in writing a minimum of 10 Days prior to the date established for submittal of the Technical Proposal.
- 2.2. Exceptions taken after the stipulated period to this RFP may be cause for rejection of the Proposal as being **non-responsive**. The City reserves the right to waive exception(s) as it deems in the best interests of the City.

3. **Subcontracting Participation Percentages (PASS/FAIL)**

- 3.1. If the Design-Builder fails to meet the minimum subcontracting participation percentages, the Proposal will be considered **non-responsive** and rejected.

4. **Executive Summary (10 Points Max )**

- 4.1. Include a 1- to 2-page overview of the entire Proposal describing the highlights of the Proposal.

5. **Project Team (15 Points Max)**

- 5.1. Describe any changes to the key personnel identified as part of the SOQ. Describe the strength of key proposed construction and technical personnel, and Subcontractors assigned to the Project. Provide a list of subcontractors which were given the opportunity to form your project team.

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

- 6.1. Describe specifically how Attachment A, Section 4.3. Supplemental Requirements will be implemented in particular item 4.3.2, work needed to accomplish the scope of work generally in accordance with the recommendations in the Planning Study and the Preliminary Engineering

Report. NOTE –Generic proposals not specifically applicable to this project and/or proposals which duplicate competitors' proposals verbatim may result in score deductions.

6.2. The following elements shall be included in the Technical Proposal:

- 6.2.1 Pipeline alignment, sizes and locations of appurtenances.
- 6.2.2 Traffic Control Approach - The Design-Builder shall describe its general approach to developing a traffic control and local access management plan (Traffic Control Plan).
- 6.2.3 Quality Assurance/Quality Control Plan (QA/QC Plan) - The Design-Builder shall submit a QA/QC Plan specifically developed for this Project. The Design-Builder's QA/QC Plan shall comply with the City's Quality Assurance/Quality Control Plan Guidelines (see attached Contract for Guidelines). The QA/QC Plan shall describe the tools, process, and resources the Design-Builder shall use to ensure that it provides facilities that meet the requirements of the Contract.
- 6.2.4 Paving Restoration.
- 6.2.5 Water highlining plan for each site.
- 6.2.6 Phasing of design and construction work of each site separately
- 6.2.7 Curb Ramp Design and Installation plan pursuant to the General Requirements for Access Law Design Compliance for Group Job Projects (part of the bridging documents) and highlight any Modification, if any.
- 6.2.8 Phasing and Coordination with Adjacent Projects
- 6.2.9 Storm Water Pollution Control Best Management Practices.
- 6.2.10 Subsurface Investigation and Geotechnical Work.
- 6.2.11 Proposed Design Schedule: Outline the proposed design schedule, including sequencing of each major design component (30%, 60%, 100%, Final Design) and proposed durations.
- 6.2.12 Estimate the following quantities amounts need to complete our entire project, per your proposed design and construction methods. Quantities will only be used to evaluate the Technical Portion of the RFP. The actual quantities will vary during the actual design and construction of the project:
  - 1) Additional Bedding - \_\_\_CY
  - 2) Imported Backfill - \_\_\_TON
  - 3) Asphalt Pavement Repair - \_\_\_SF

- 4) Additional Curb & Gutter - \_\_\_LF
- 5) Additional Sidewalk Removal & Replacement - \_\_\_SF
- 6) Additional Pavement Removal & Disposal - \_\_\_CY

**7. Construction Plan (40 Points Max)**

**7.1** Describe the proposed construction plan for this Project, including the following, at a minimum:

- 7.1.1** Construction approach and methods
- 7.1.2** Plan for operation of facility during construction
- 7.1.3** Plan for phasing of construction activities
- 7.1.4** General plan for functional testing and start-up.
- 7.1.5** Proposed safety program
- 7.1.6** Proposed emergency response plan
- 7.1.7** Water highlining plan for each site
- 7.1.8** Phasing of design and construction work of each site separately
- 7.1.9** Proposed construction schedule
- 7.1.10** Traffic Control Management
- 7.1.11** Community Impact

**7.2** Project Coordination - The Design-Builder shall identify the following:

- 7.2.1** The processes and procedures it will use to ensure that all Work is properly coordinated.
- 7.2.2** The design and construction coordination requirements with governmental entities and agencies, utilities, Underground Service Alert, City forces, and all other persons or entities involved in infrastructure improvements or otherwise affected by Project design and construction requirements.
- 7.2.3** The design coordination system between drawings and specifications and disciplines.
- 7.2.4** The system for tracking questions and responses.
- 7.2.5** The system for coordinating work among subcontractors and equipment manufacturers.

- 7.3 Critical Path Schedule - The RFP requires the Design-Builder to complete the Project within a certain number of Working Days. The Design-Builder shall include a summary level critical path method (CPM) schedule in the form of a bar chart that identifies all Project milestones set forth in this RFP, including its Attachments such as additional tasks or milestones, as well as all critical activities the Design-Builder anticipates performing and coordinating with others to complete the Project. The Design-Builder shall include with the schedule a narrative explaining detailed procedures for ensuring all Project milestones are met. Proposals that show valid means to reduce the duration of the Project may be given favorable consideration if they demonstrate realistic activity durations and no increase in Project cost.
- 7.4 Challenges/Issues - Identify what your team believes to be the largest challenges associated with this Project. Describe how your team has overcome similar challenges on a previous Project your team has participated in. Proposals shall describe the Design-Builder's understanding of the design and technical issues involved in the Project, including those related to design review, value engineering, proposals, general contracting, schedule, site mobilization, constructability, construction sequencing, quality control, code compliance, and cost containment.
- 7.5 Describe any cost saving measures, not included in your proposal that the City of San Diego Team should consider, and the Design-Builder is willing to implement. The percentage of your price proposal or time would be saved for each recommendation.
- 7.6 Community Outreach and Public Relations Program - The Design-Builder shall describe its general approach to building relations between the Design-Builder and the community, including how the Design-Builder will provide effective public information and respond to public concerns. The Design-Builder shall work cooperatively with the City's team and creatively integrate the needs of the community into the design of the Project.
- 7.7 Community Coordination - Due to the summer moratoriums, how do you plan to phase the project and keep the community informed?
- 7.8 Staging Area and project cleanup - What is your plan for staging area and project cleanup (during construction and moratorium phases) to minimize residents and visitors concerns?
- 7.9 Residents and Visitors - how will traffic and bus stops be impacted? How will you minimize the impacts?
- 7.10 Construction mitigation plan to minimize impacts to local businesses (i.e. impacts the business access and parking)

**Total Points: 100**

Proposals that do not contain the aforementioned components may be rejected as **non-responsive**. The Design-Builder's information and Proposal details provided during the

Q&A meeting will be part of the Proposal evaluation and failure to attend the meeting will determine the proposal to be **non-responsive**.

**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.
- 8.2. Presentations will not be required.

**9. Final Selection Based on Adjusted Low Proposal**

- 9.1. The ranking of each Design-Builder during the Technical Proposal review will serve as the divisor of the Price Proposal and determine the weighted price.
- 9.2. Following review of the Technical Proposals, 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:

<b>Design-Builder</b>	<b>Qualitative Score (100 Maximum)</b>	<b>Price Proposal</b>	<b>Adjusted Price *</b>
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



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

For credit calculations for City-funded contracts, see Chapter 11 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	MATERIALS OR SUPPLIES	DOLLAR VALUE OF MATERIAL OR SUPPLIES	SUPPLIER (Yes/No)	MANUFACTURER (Yes/No)	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB	WHERE CERTIFIED
Name: Draves Pipeline Address: PO Box 1051 City: Bonsall State: CA Zip: 92003 Phone: 760-728-7094 Email: dalc@dravespipeline.com	Materials	\$1,445,000	Yes	No	DVBE	CADoGS
Name: Address: City: State: Zip: Phone: Email:						

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		

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.

**DESIGN-BUILD LIST OF SUBCONTRACTORS TO BE INCLUDED IN 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	SUBCONTRACTOR LICENSE NUMBER	TYPE OF WORK	DOLLAR VALUE OF SUBCONTRACT	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB	WHERE CERTIFIED	CHECK IF JOINT VENTURE PARTNERSHIP
Name: <u>Michael Baker International</u> Address: <u>9755 Clairemont Mesa Blvd., #100</u> City: <u>San Diego</u> State: <u>CA</u> Zip: <u>92124</u> Phone: <u>858-614-5000</u> Email: <u>jharris@mbakerintl.com</u>	Designer	Civil Engineer, CA #38217	Civil Engineering, Survey	\$540,000	OBE	N/A	
Name: <u>Global Environmental Network</u> Address: <u>PO Box 8038</u> City: <u>Fountain Valley</u> State: <u>CA</u> Zip: <u>92728</u> Phone: <u>714-479-1199</u> Email: <u>Mhorner@safetygeni.com</u>	Designer	N/A	Water Pollution Control Plan	\$10,200	DVBE	CADoGS	

ⓐ 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		

ⓑ 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.

**DESIGN-BUILD LIST OF SUBCONTRACTORS TO BE INCLUDED IN 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	SUBCONTRACTOR LICENSE NUMBER	TYPE OF WORK	DOLLAR VALUE OF SUBCONTRACT	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB	WHERE CERTIFIED	CHECK IF JOINT VENTURE PARTNERSHIP
Name: <u>Accessibility Specialists</u> Address: <u>11440 W. Bernardo Ct., Suite 300</u> City: <u>San Diego</u> State: <u>CA</u> Zip: <u>92127</u> Phone: <u>858-753-1765</u> Email: <u>smiles@access-sp.com</u>	Designer	N/A	Pedestrian Ramp Design	\$22,000	ELBE	City	
Name: <u>Hudson Safe-T-Lite Rental</u> Address: <u>777 Gable Way</u> City: <u>El Cajon</u> State: <u>CA</u> Zip: <u>92022</u> Phone: <u>619-441-3644</u> Email: <u>Georgina@hudsonsafetlite.com</u>	Designer	788289	Traffic Control Plans	\$6,500	SLBE	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		

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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: <u>VO Engineering, Inc.</u> Address: <u>13230 Evening Creek Dr., Ste207</u> City: <u>San Diego</u> State: <u>CA</u> Zip: <u>92128</u> Phone: <u>858-391-8530</u> Email: <u>nick.tracy@vo-eng.com</u>	Designer	Geotechnical Engineer, CA 2578	Geotechnical Engineering	\$43,000	ELBE	City	
Name: <u>Photo Geodetic Corporation</u> Address: <u>1161 E. Main St., Ste 102</u> City: <u>El Cajon</u> State: <u>CA</u> Zip: <u>92021</u> Phone: <u>619-631-1366</u> Email: <u>ming@photogeodetic.com</u>	Designer	N/A	Aerial Mapping	\$13,000	ELBE	City	

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Name: Vic Salazar Enterprises Address: 2247 Indigo Dr. City: El Cajon State: CA Zip: 92019 Phone: 619-517-4744 Email: vic@vicsalazar.com	Constructor	N/A	Community Liaison	\$68,000	ELBE	City	
Name: RAP Engineering, Inc. Address: 503 E. Mission Road City: San Marcos State: CA Zip: 92069 Phone: 760-233-2980 Email: cburgin@rapenginc.com	Constructor	880956	AC Paving	\$2,161,051	SLBE	City	

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Name: Southwest Traffic Signal Service Address: 397 Raleigh Ave. City: El Cajon State: CA Zip: 92020 Phone: 619-442-3343 Email: jcross@southwestsignal.com	Constructor	451115	Traffic Loops & Push Buttons	\$47,200	ELBE	City	
Name: Payco Specialties, Inc. Address: 120 North 2nd Ave. City: Chula Vista State: CA Zip: 91910 Phone: 619-422-9204 Email: Dora@payco.biz	Constructor	298637	Striping	\$35,168	SLBE	City	

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Name: Piperin Corporation Address: 1185 Park Center Dr., Suite S City: Vista State: CA Zip: 92081 Phone: 760-305-7248 Email: craig@piperincorp.com	Constructor	964028	Sewer Lateral Replumbing	\$1,590,000	ELBE	City	
Name: REC Trucking, Inc. Address: 1128 2nd Ave. City: Chula Vista State: CA Zip: 91911 Phone: 619-946-4638 Email: rectrucking.inc@gmail.com	Constructor	N/A	Trucking	\$36,800	ELBE	City	

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Name: Oldcastle Precast Address: 2735 Cactus Rd. City: San Diego State: CA Zip: 92154 Phone: 619-240-8000 Email: Robert.Lara@oldcastle.com	Constructor	891107	Manholes	\$362,700	OBE	N/A	
Name: American Asphalt South, Inc. Address: P.O. Box 310036 City: Fontana State: CA Zip: 92331 Phone: 909-427-8276 Email: lyles@americanasphaltsouth.com	Constructor	784969	Slurry Seal	\$266,491	OBE	N/A	

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Name: <u>Loveless &amp; Linton Consulting</u> Address: <u>1421 W. Lewis St.</u> City: <u>San Diego</u> State: <u>CA</u> Zip: <u>92103</u> Phone: <u>619-922-0718</u> Email: <u>rebekah@loveless-linton.com</u>	Constructor	N/A	Environmental Mitigation & Monitoring	\$167,620	SLBE	City	
Name: <u>Miramar General Engineering</u> Address: <u>8400 Miramar Rd., Suite 22A</u> City: <u>San Diego</u> State: <u>CA</u> Zip: <u>92126</u> Phone: <u>858-663-4933</u> Email: <u>Alex@MiramarGeneral.com</u>	Constructor	1009541	Concrete Flatwork	\$446,054	ELBE	City	

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Name: Easy Flow Address: 14275 Crystal View Lane City: Poway State: CA Zip: 92064 Phone: 909-908-7300 Email: meredith@trenchlessrehab.com	Constructor	960845	Sewer Rehab	\$166,782	ELBE	City	
Name: Casper Company Address: 3825 Bancroft Dr., Ste 105 City: Spring Valley State: CA Zip: 91977 Phone: 619-589-6001 Email: gregc@caspercompany.com	Constructor	478960	Asbestos Pipe Handling & Disposal	\$128,000	OBE	N/A	

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Name: Affordable Pipeline Services Address: 8340 Juniper Creek Lane City: San Diego State: CA Zip: 92126 Phone: 858-689-4000 Email: djohnson@affordablein.com	Constructor	790919	CCTV	\$73,240	SLBE	City	
Name: Address: City: State: Zip: Phone: Email:							

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## ATTACHMENT I

### CERTIFICATIONS AND FORMS

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

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 Sewer & AC Water Group 778 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: May 3, 2016

The Design-Builder: TC Construction Company Inc.

By: Austin Cameron   
(Signature)

Title: President

**ORIGINAL**  
Price Proposal



# **MACC** **Task Order No. 02** **Sewer & AC Water Group 778**



Submitted by

TC Construction Co.  
10540 Prospect Avenue  
Santee, CA 92071  
619.448.4560



In partnership with

**Michael Baker**  
INTERNATIONAL

Item No.	NAICS CODE	Description	Quantity	D*	Unit	Unit Price	Extension
1	541330	Engineering and Design Services	1	D	LS	<del>                    </del>	\$ 635,000.00
2	237110	Field Construction	1		LS	<del>                    </del>	\$ 21,285,000.00
3		City Contingency	1		AL	<del>                    </del>	\$1,800,000.00
TOTAL FOR PROPOSAL (ITEMS NO 1 THROUGH 3 INCLUSIVE)							\$ 23,720,000.00

\* Design Element (For City Use)

PRICE PROPOSAL FORMS

Total Price for Design-Build Proposal (Items 1 through Item 3, inclusive): amount written in words:

Twenty-three million seven hundred twenty thousand dollars and no/cents

Design-Builder:

TC Construction Company Inc.

Title:

President

Signature:

Austin Cameron



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

Terry Cameron, CEO

Jack Gieffels, Secretary-Treasurer

Austin Cameron, President

Darren Tharp, 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.

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 alone.
- B. After the selected Design-Builder has been determined, the City may, at its sole discretion, award the contract for the Base Proposal alone
- 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**.



**ATTACHMENT I**

**CERTIFICATIONS AND FORMS**

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

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 Sewer & AC Water Group 778 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: May 3, 2016

The Design-Builder: TC Construction Company Inc.

By: Austin Cameron   
(Signature)

Title: 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.

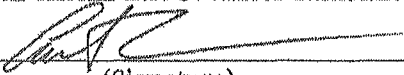
**IF A SOLE OWNER OR SOLE CONTRACTOR SIGN HERE:**

- (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 TC Construction Company Inc.
- (2) Signature, with official title of officer authorized to sign for the corporation:  
  
\_\_\_\_\_  
(Signature)  
  
Austin Cameron  
\_\_\_\_\_  
(Printed Name)  
  
President  
\_\_\_\_\_  
(Title of Officer)  
  
(Impress Corporate Seal Here)
- (3) Incorporated under the laws of the State of California
- (4) Place of Business (Street & Number) 10540 Prospect Ave.

(5) City and State Santee, CA Zip Code 92071  
(6) Telephone No. 619-448-4560 Facsimile No. 619-448-3341  
(7) Email Address acameron@tcincsd.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, C-21

LICENSE NO. 402459 EXPIRES April 30, 2017

DEPARTMENT OF INDUSTRIAL RELATIONS (DIR) REGISTRATION NUMBER: \_\_\_\_\_  
1000003132

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): [REDACTED]

E-Mail Address: acameron@tcincsd.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 President  
Austin Cameron

SUBSCRIBED AND SWORN TO BEFORE ME, THIS \_\_\_\_\_ DAY OF \_\_\_\_\_

Notary Public in and for the County of \_\_\_\_\_, State of \_\_\_\_\_

(NOTARIAL SEAL)

" SEE ATTACHED "



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

State of California )  
County of San Diego ) ss.

Austin Cameron, being first duly sworn, deposes and says that he or she is President of the party making the foregoing proposal that the 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.

Signed: Austin Cameron 

Title: President

See attached

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_

Notary Public  
(SEAL)





### CONTRACTORS CERTIFICATION OF PENDING ACTIONS

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

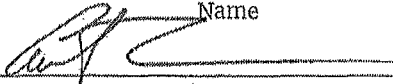
CHECK ONE BOX ONLY.

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

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

Contractor Name: TC Construction Company Inc.

Certified By Austin Cameron Title President

  
 Name  
 Signature

Date 5-3-16

**USE ADDITIONAL FORMS AS NECESSARY**

## 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 7-13.3, "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

---

### AMERICAN 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 American With Disabilities Act (ADA) outlined in the WHITEBOOK, Section 7-13.2, "American With Disabilities", 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 7-13.4, ("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 whose subcontracts are greater than \$50,000 in value has completed a Pledge of Compliance attesting under penalty of perjury of having complied with City of San Diego Municipal Code § 22.3004.

**EQUAL BENEFITS ORDINANCE  
CERTIFICATION OF COMPLIANCE**



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

COMPANY INFORMATION	
Company Name: TC Construction Company Inc.	Contact Name: Austin Cameron
Company Address: 10540 Prospect Ave., Santee, CA 92071	Contact Phone: 619-448-4560 ext.117
	Contact Email: acameron@tcincsd.com

CONTRACT INFORMATION	
Contract Title: MACC TO: 02 Sewer & AC Water Group 778	Start Date: TBD
Contract Number (if no number, state location): K-16-1371-MAC-3	End Date: TBD

**SUMMARY OF EQUAL BENEFITS ORDINANCE REQUIREMENTS**

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

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

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

**CONTRACTOR EQUAL BENEFITS ORDINANCE CERTIFICATION**

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

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

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

Under penalty of perjury under laws of the State of California, I certify the above information is true and correct. I further certify that my firm understands the requirements of the Equal Benefits Ordinance and will provide and maintain equal benefits for the duration of the contract or pay a cash equivalent if authorized by the City. 5-3-16

Name/Title of Signatory	Austin Cameron, President	Signature		Date	
-------------------------	---------------------------	-----------	--	------	--

**FOR OFFICIAL CITY USE ONLY**

Receipt Date:	EBO Analyst:	<input type="checkbox"/> Approved	<input type="checkbox"/> Not Approved – Reason:
---------------	--------------	-----------------------------------	---

(Rev 02/15/2011)



City of San Diego  
**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: T C Construction Company, Inc.

ADA/DBA: \_\_\_\_\_

Address (Corporate Headquarters, where applicable): 10540 Prospect Ave

City: Santee County: San Diego State: CA Zip: 92071

Telephone Number: (619) 448-4841 Fax Number: (619) 448-3341

Name of Company CEO: Terry Cameron

Address(es), phone and fax number(s) of company facilities located in San Diego County (if different from above):

Address: \_\_\_\_\_

City: \_\_\_\_\_ County: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_

Telephone Number: ( ) \_\_\_\_\_ Fax Number: ( ) \_\_\_\_\_ Email: \_\_\_\_\_

Type of Business: Construction Type of License: A, C 21

The Company has appointed: Angel Montenegro

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: 10540 Prospect Ave Santee CA 92071

Telephone Number: (619) 448-4660 Fax Number: (619) 448-3341 Email: amontenegro@tcincsd.com

- 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 T C Construction Company, Inc.

(Firm Name)

San Diego, California hereby certify that information provided

(County)

(State)

herein is true and correct. This document was executed on this 28th day of March, 2016



(Authorized Signature)

Angel Montenegro

(Print Authorized Signature Name)

**WORK FORCE REPORT - Page 2**

NAME OF FIRM: **TC CONSTRUCTION COMPANY INC**

DATE: **3/28/2016**

OFFICE(S) or BRANCH(ES): **Santee**

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, African-American
- (2) Hispanic, Latino, Mexican-American, Puerto Rican
- (3) Asian, Pacific Islander
- (4) American Indian, Eskimo
- (5) Filipino
- (6) White, Caucasian
- (7) Other ethnicity; not falling into other groups

ADMINISTRATION OCCUPATIONAL CATEGORY	(1)	(2)	(3)	(4)	(5)	(6)	(7)	Total
Management & Financial				1				7
Professional		3		1				7 3
A&E, Science, Computer								
Technical								
Sales								
Administrative Support				1				7
Services								
Crafts			4					7
Operative Workers	2		2			1		13
Transportation								
Laborers*			3					1 1

\*Construction laborers and other field employees are not to be included on this page

Totals Each Column	2		12	1	2		1		35	11	
--------------------	---	--	----	---	---	--	---	--	----	----	--

Grand Total All Employees 64

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: T C Construction Company, Inc.

DATE: 3/28/16

OFFICE(S) or BRANCH(ES): Santee

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, African-American                          | (5) Filipino                                       |
| (2) Hispanic, Latino, Mexican-American, Puerto Rican | (6) White, Caucasian                               |
| (3) Asian, Pacific Islander                          | (7) Other ethnicity; not falling into other groups |
| (4) American Indian, Eskimo                          |  |

TRADE OCCUPATIONAL CATEGORY	Hispanic		Filipino		Asian		American		Other		Other	
	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)
Brick, Block or Stone Masons												
Carpenters	1		5							4		
Carpet, Floor & Tile Installers Finishers												
Cement Masons, Concrete Finishers												
Construction Laborers	2		27							17		1
Drywall Installers, Ceiling Tile Inst												
Electricians												
Elevator Installers												
First-Line Supervisors/Managers			4							13		
Glaziers												
Helpers; Construction Trade	2		12		1					4		
Millwrights												
Misc. Const. Equipment Operators	1		36				1			19		
Painters, Const. & Maintenance												
Pipelayers, Plumbers, Pipe & Steam Fitters			23							15		
Plasterers & Stucco Masons												
Roofers												
Security Guards & Surveillance Officers												
Sheet Metal Workers												
Structural Metal Fabricators & Fitters												
Welding, Soldering & Brazing Workers			2									1
Workers, Extractive Crafts, Miners												
Totals Each Column	6		109		1		1			72		2
Grand Total All Employees	<b>191</b>											
Indicate By Gender and Ethnicity the Number of Above Employees Who Are Disabled:												
Disabled												



## California Certification Report

**24765 - GLOBAL ENVIRONMENTAL NETWORK INC - SB | DVBE**

Legal Business Name	GLOBAL ENVIRONMENTAL NETWORK INC		
Doing Business As	GLOBAL ENVIRONMENTAL NETWORK INC		
Address	P O BOX 8068	Phone	(714) 479-1199
	FOUNTAIN VALLEY, CA 92728	FAX	(714) 479-0809
Email	Mhorner@safetygeni.com		
Web Page	<a href="http://www.my-dvbe.com">http://www.my-dvbe.com</a>		
Active Certifications	SB Feb 27, 2014 - Feb 28, 2018		
	DVBE Feb 27, 2014 - Feb 28, 2018		
Business Types	Construction; Service; Non-Manufacturer;		
Classifications	[221015] Earth moving machinery		
	[221016] Paving equipment		
	[221017] Heavy equipment components		
	[221018] Aerial lifts		
	[221019] Building construction machinery and accessories		
	[221020] Building demolition machinery and equipment		
	[321518] Safety control devices		
	[411126] Hygiene monitoring and testing equipment		
	[422715] Respiratory monitoring products		
	[423015] Aids for medical training		
	[432325] Educational or reference software		
	[461615] Traffic control		
	[461616] Water safety		
	[461815] Safety apparel		
	[461816] Safety footwear		
	[461817] Face and head protection		
	[461823] Fall protection and rescue equipment		
	[461824] Decontamination aids and safety cleaning equipment		
	[551217] Signage		
	[721517] Safety and security system installation services		
	[771015] Environmental impact assessment		
	[771016] Environmental planning		
	[771017] Environmental advisory services		
	[771018] Environmental auditing		
	[771115] Environmental safety services		
	[771215] Air pollution		
	[771216] Soil pollution		
[771217] Water pollution			
[771315] Oil pollution			
[771316] Noise pollution			
[771317] Toxic substances pollution			
[801015] Business and corporate management consultation services			
[801115] Human resource development			
[801116] Temporary personnel services			
[811015] Civil engineering			

Keywords:	[811022] Transportation engineering [861018] In service training and manpower development Safety training Traffic equipment Rental SWPPP WPCP WQMP NPDES Engineer Erosion Asbestos Lead Construction Environmental CIH Hygienist Lab Water Soil Air monitoring Geologist PE Crane Backhoe Forklift Drilling Emergency HAZMAT QSP QSD CPESC, CESSWI OSHA B
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**Accessibility Speciallts**

**Company Information**

Name: Accessibility Speciallts  
 Phone: 858-753-1765  
 Fax:  
 URL:  
 Market Area: Local  
 Business Unit:  
 Date Established: 05/30/2011  
 No. of Employees: 5  
 Race/Ethnicity: Caucasian American  
 Gender: Female

**Contact Information**

Name: Sandra Miles  
 Phone: 858-753-1765  
 Email: smiles@accessa-sp.com  
 Primary Address: 11440 West Bernardo Court, Suite 300, San Diego, CA, 92127

**Certification Information**

Agency	Certificate Type	Issued Date	Recertification Date	Expiration Date
City_of_San_Diego	ELBE	09/08/2015	Unknown	09/08/2017

Product/Service Description: Accessibility consulting, CASp, Inspections, CASp reports, Title II and Title III ADA Consulting

**Industries and Services Information**

Industry	Service/Product
541 Professional, Scientific and Technical Services	541350 Building Inspection Services

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**Robcar Corporation**

**Company Information**

Name: Robcar Corporation  
 Phone: 619-441-3644  
 Fax: 619-441-3652  
 URL: www.hudsonsafeflts.com  
 Market Area:  
 Business Unit:  
 Date Established:  
 No. of Employees: 30  
 Race/Ethnicity: Caucasian American  
 Gender: Female

**Contact Information**

Name: Georgina A. Elchhorst  
 Phone: 619-441-3644  
 Email: Georgina@hudsonsafeflts.com  
 Primary Address: 777 Gable Way, El Cajon, CA, 92020

**Certification Information**

Agency	Certificate Type	Issued Date	Recertification Date	Expiration Date
City_of_San_Diego	SLBE	01/18/2015	12/22/2014	01/18/2017
CPUC	WBE	08/16/2010	Unknown	10/25/2016

Product/Service Description: Set-up, maintenance, take down of traffic control devices for roadway construction

**Industries and Services Information**

Industry	Service/Product
237 Heavy and Civil Engineering Construction	237210 Highway, Street, and Bridge Construction
332 Fabricated Metal Product Manufacturing	332999 All Other Miscellaneous Fabricated Metal Product Manufacturing
339 Miscellaneous Manufacturing	339990 Sign Manufacturing
423 Merchant Wholesalers, Durable Goods	423990 Other Miscellaneous Durable Goods Merchant Wholesalers
561 Administrative and Support Services	561990 All Other Support Services
801 SIGNS, SIGN MATERIALS, SIGN MAKING EQUIPMENT, AND RELATED SUPPLIES	80100 SIGNS, SIGN MATERIALS, SIGN MAKING EQUIPMENT, AND RELATED SUPPLIES
992 MISCELLANEOUS SERVICES, NO. 2 (NOT OTHERWISE CLASSIFIED)	99279 Sign Making Services
999 PUBLIC WORKS AND RELATED SERVICES	99980 Traffic Sign Installation and/or Removal Services
999 PUBLIC WORKS AND RELATED SERVICES	99984 Traffic Control Services (To Include Placement and Removal of Control Devices)

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**VO Engineering**

**Company Information**

Name: VO Engineering  
 Phone: 858-391-8530  
 Fax:  
 URL: www.voengineeringinc.com  
 Market Area:  
 Business Unit:  
 Date Established:  
 No. of Employees: 11  
 Race/Ethnicity: Caucasian American  
 Gender: Male

**Contact Information**

Name: Nicholas Tracy  
 Phone: 858-391-8530  
 Email: nick.tracy@vo-eng.com  
 Primary Address: 13230 Evening Creek Drive, Suite 207, San Diego, CA, 92128

**Certification Information**

Agency	Certificate Type	Issued Date	Recertification Date	Expiration Date
City_of_San_Diego	SLBE	05/18/2015	05/18/2016	05/18/2017

Product/Service Description: VO Engineering Inc provides traditional geotechnical consultation as well as structure foundation system design, forensic investigations, natural slope assessments, pavement studies and other specialized services

**Industries and Services Information**

Industry	Service/Product
541 Professional, Scientific and Technical Services	641330 Engineering Services
541 Professional, Scientific and Technical Services	541380 Geophysical Surveying and Mapping Services

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**Photo Geodetic Corporation**

**Company Information**

Name: Photo Geodetic Corporation  
 Phone: 619-631-1366  
 Fax: 619-631-1376  
 URL: www.photogeodetic.com  
 Market Area:  
 Business Unit:  
 Date Established:  
 No. of Employees: 7  
 Race/Ethnicity: Caucasian American  
 Gender: Male

**Contact Information**

Name: Michael G. Ing, Sr.  
 Phone: 619-631-1366  
 Email: mling@photogeodetic.com  
 Primary Address: 1161 E. Main Street, Suite 102, El Cajon, CA, 92021

**Certification Information**

Agency	Certificate Type	Issued Date	Recertification Date	Expiration Date
City_of_San_Diego	ELBE	07/23/2015	07/23/2016	07/23/2017

Product/Service Description: Topographic mapping and digital orthophoto from provided aerial photography

**Industries and Services Information**

Industry	Service/Product
541 Professional, Scientific and Technical Services	641370 Surveying and Mapping (except Geophysical) Services

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Vic Salazar Enterprises, LLC

**Company Information**

Name: Vic Salazar Enterprises, LLC  
 Phone: 619-517-4744  
 Fax: 619-334-4156  
 URL: www.vicsalazar.com  
 Market Area:  
 Business Unit:  
 Date Established:  
 No. of Employees: 1  
 Race/Ethnicity: Latino American  
 Gender: Male

**Contact Information**

Name: Vic Salazar  
 Phone: 619-517-4744  
 Email: vic@vicsalazar.com  
 Primary Address: 2247 Indigo Drive, El Cajon, CA, 92019

**Certification Information**

Agency	Certificate Type	Issued Date	Recertification Date	Expiration Date
CalTrans	DBE	Unknown	Unknown	01/01/2050
City_of_San_Diego	ELBE	12/03/2014	12/03/2014	12/03/2016
CPUC	MBE	Unknown	Unknown	11/10/2017

Product/Service Description: Community outreach, public relations, video production, event planning, marketing

**Industries and Services Information**

Industry	Service/Product
512 Motion Picture and Sound Recording Industries	51210 Motion Picture and Video Production
541 Professional, Scientific and Technical Services	541610 Marketing Consulting Services
541 Professional, Scientific and Technical Services	541620 Public Relations Agencies
711 Performing Arts, Spectator Sports, and Related Industries	711320 Promoters of Performing Arts, Sports, and Similar Events Without Facilities

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**RAP Engineering, Inc.**

**Company Information**

Name: RAP Engineering, Inc.  
 Phone: 760-233-2980  
 Fax: 760-233-2980  
 URL:  
 Market Area:  
 Business Unit:  
 Date Established:  
 No. of Employees: 22  
 Race/Ethnicity: Latino American  
 Gender: Male

**Contact Information**

Name: Robert Perez  
 Phone: 760-233-2980  
 Email: rperez@rapenginc.com  
 Primary Address: 503 E. Mission Rd., San Marcos, CA, 92069

**Certification Information**

Agency	Certificate Type	Issued Date	Recertification Date	Expiration Date
CalTrans	DBE	08/30/2012	Unknown	08/23/2050
City of San Diego	SLBE	06/23/2014	Unknown	06/23/2016
CalTrans	SMBE	09/28/2012	Unknown	10/01/2050

Product/Service Description: Construction

**Industries and Services Information**

Industry	Service/Product
237 Heavy and Civil Engineering Construction	237310 Highway, Street, and Bridge Construction
755 ROAD AND HIGHWAY ASPHALT AND CONCRETE HANDLING AND PROCESSING EQUIPMENT	75506 ROAD AND HIGHWAY ASPHALT AND CONCRETE HANDLING AND PROCESSING EQUIPMENT
913 CONSTRUCTION SERVICES, HEAVY (INCL. MAINTENANCE AND REPAIR SERVICES)	91304 Paving/Resurfacing, Alley and Parking Lot
913 CONSTRUCTION SERVICES, HEAVY (INCL. MAINTENANCE AND REPAIR SERVICES)	91306 Paving/Resurfacing, Street (Major and Residential)

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Southwest Traffic Signal Service

**Company Information**

Name: Southwest Traffic Signal Service  
 Phone: 619-442-3343  
 Fax: 619-442-4708  
 URL: www.southwestsignal.com  
 Market Area:  
 Business Unit:  
 Date Established:  
 No. of Employees: 11  
 Race/Ethnicity: Caucasian American  
 Gender: Male

**Contact Information**

Name: Vernon B. Cress  
 Phone: 619-442-3343  
 Email: jcress@southwestsignal.com  
 Primary Address: 397 Raleigh Avenue, El Cajon, CA,

**Certification Information**

Agency	Certificate Type	Issued Date	Recertification Date	Expiration Date
City of San Diego	ELBE	07/14/2014	07/14/2014	07/14/2016
City of San Diego	SLBE	07/14/2014	07/14/2014	07/14/2016

Product/Service Description: Installation and maintenance of traffic signals and street lights

**Industries and Services Information**

Industry	Service/Product
238 Specialty Trade Contractors	238210 Electrical Contractors and Other Wiring Installation Contractors

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**Payco Specialties Inc.**

**Company Information**

Name: Payco Specialties Inc.  
 Phone: 619-422-9204  
 Fax: 619-422-1404  
 URL: www.payco.biz  
 Market Area:  
 Business Unit:  
 Date Established:  
 No. of Employees: 19  
 Race/Ethnicity: Caucasian American  
 Gender: Female

**Contact Information**

Name: Bill Taylor  
 Phone: 619-422-9204  
 Email: bill@payco.biz  
 Primary Address: 120 North 2nd Avenue, Chula Vista, CA, 91910

**Certification Information**

Agency	Certificate Type	Issued Date	Recertification Date	Expiration Date
CalTrans	DBE	Unknown	Unknown	12/04/2050
City_of_San_Diego	SLBE	12/04/2015	12/04/2015	12/04/2017
CalTrans	SWBE	Unknown	Unknown	12/04/2099
CPUC	WBE	Unknown	Unknown	01/16/2017

Product/Service Description: Construction

**Industries and Services Information**

Industry	Service/Product
237 Heavy and Civil Engineering Construction	237310 Highway, Street, and Bridge Construction
238 Specialty Trade Contractors	238990 All Other Specialty Trade Contractors
650 MARKERS, PLAQUES AND TRAFFIC CONTROL DEVICES	55000 MARKERS, PLAQUES AND TRAFFIC CONTROL DEVICES
749 ROAD AND HIGHWAY BUILDING MATERIALS (ASPHALTIC)	74500 ROAD AND HIGHWAY BUILDING MATERIALS (ASPHALTIC)
785 ROAD AND HIGHWAY EQUIPMENT (EXCEPT EQUIPMENT IN CLASSES 755 AND 760)	78500 ROAD AND HIGHWAY EQUIPMENT (EXCEPT EQUIPMENT IN CLASSES 755 AND 760)
801 SIGNS, SIGN MATERIALS, SIGN MAKING EQUIPMENT, AND RELATED SUPPLIES	80100 SIGNS, SIGN MATERIALS, SIGN MAKING EQUIPMENT, AND RELATED SUPPLIES
913 CONSTRUCTION SERVICES, HEAVY (INCL. MAINTENANCE AND REPAIR SERVICES)	91399 Paving/Resurfacing, Street (Major and Residential)
966 PUBLIC WORKS AND RELATED SERVICES	96697 Sandblasting Services (See 910-93 for Sandblasting of Buildings)
988 PUBLIC WORKS AND RELATED SERVICES	98880 Traffic Sign Installation and/or Removal Services

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PiperIn Corporation

**Company Information**

Name: PiperIn Corporation  
 Phone: 760-305-7248  
 Fax: 760-305-7263  
 URL:  
 Market Area:  
 Business Unit:  
 Date Established:  
 No. of Employees: 9  
 Race/Ethnicity:  
 Gender:

**Contact Information**

Name: Craig Barry  
 Phone: 760-305-7248  
 Email: craig@piperincorp.com  
 Primary Address: 1185 Park Center Drive, Suite S, Vista, CA, 92081

**Certification Information**

Agency	Certificate Type	Issued Date	Recertification Date	Expiration Date
City_of_San_Diego	ELBE	09/21/2014	09/21/2014	09/21/2016

Product/Service Description: Construction

**Industries and Services Information**

Industry	Service/Product
221 Utilities	221310 Water Supply and Irrigation Systems
221 Utilities	221320 Sewage Treatment Facilities
221 Utilities	221330 Steam and Air-Conditioning Supply
237 Heavy and Civil Engineering Construction	237110 Water and Sewer Line and Related Structures Construction
237 Heavy and Civil Engineering Construction	237310 Highway, Street, and Bridge Construction
237 Heavy and Civil Engineering Construction	237990 Other Heavy and Civil Engineering Construction
238 Specialty Trade Contractors	238110 Poured Concrete Foundation and Structure Contractors
238 Specialty Trade Contractors	238910 Site Preparation Contractors
009 BUILDING CONSTRUCTION SERVICES, NEW (INCL. MAINTENANCE AND REPAIR SERVICES)	00800 BUILDING CONSTRUCTION SERVICES, NEW (INCL. MAINTENANCE AND REPAIR SERVICES)
010 BUILDING MAINTENANCE, INSTALLATION AND REPAIR SERVICES	01093 Public Utilities: Water, Sewer and Gas Maintenance and Repair
012 CONSTRUCTION SERVICES, GENERAL (INCL. MAINTENANCE AND REPAIR SERVICES)	01200 CONSTRUCTION SERVICES, GENERAL (INCL. MAINTENANCE AND REPAIR SERVICES)
013 CONSTRUCTION SERVICES, HEAVY (INCL. MAINTENANCE AND REPAIR SERVICES)	01300 CONSTRUCTION SERVICES, HEAVY (INCL. MAINTENANCE AND REPAIR SERVICES)
013 CONSTRUCTION SERVICES, HEAVY (INCL. MAINTENANCE AND REPAIR SERVICES)	01336 Construction, Parking Lot and Alley
013 CONSTRUCTION SERVICES, HEAVY (INCL. MAINTENANCE AND REPAIR SERVICES)	01350 Construction, Street (Major and Residential)(includes Reconstruction)
014 CONSTRUCTION SERVICES, TRADE (NEW CONSTRUCTION)	01400 CONSTRUCTION SERVICES, TRADE (NEW CONSTRUCTION)
018 CONSULTING SERVICES	01807 Utilities: Gas, Water, Electric Consulting
061 MISCELLANEOUS SERVICES, NO. 1 (NOT OTHERWISE CLASSIFIED)	06121 Cost Estimating
066 PUBLIC WORKS AND RELATED SERVICES	06600 PUBLIC WORKS AND RELATED SERVICES

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**Rectrucking Inc**

**Company Information**

Name: Rectrucking Inc  
 Phone: 619-946-4638  
 Fax: 619-946-4654  
 URL:  
 Market Area:  
 Business Unit:  
 Date Established: 01/11/2011  
 No. of Employees: 2  
 Race/Ethnicity: Latino American  
 Gender: Male

**Contact Information**

Name: Rafael teran  
 Phone: 619-946-4638  
 Email: rectrucking,Inc@gmail.com  
 Primary Address: 1128 2nd ave, Chula vista, CA, 91911

**Certification Information**

Agency	Certificate Type	Issued Date	Recertification Date	Expiration Date
City_of_San_Diego	ELBE	12/31/2015	Unknown	12/31/2017

Product/Service Description: Supplier

**Industries and Services Information**

Industry	Service/Product
150 BUILDER'S SUPPLIES	15000 BUILDER'S SUPPLIES
788 ROAD AND HIGHWAY ASPHALT AND CONCRETE HANDLING AND PROCESSING EQUIPMENT	75300 ROAD AND HIGHWAY ASPHALT AND CONCRETE HANDLING AND PROCESSING EQUIPMENT
818 CONSULTING SERVICES	91888 Transportation Consulting
958 MANAGEMENT SERVICES	95841 Fleet Management Services
992.MISCELLANEOUS SERVICES, NO. 2 (NOT OTHERWISE CLASSIFIED)	99239 Hauling Services

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Loveless & Linton Consulting-Archaeological

Company Information

Name: Loveless & Linton Consulting-Archaeological  
 Phone: 619-922-0718  
 Fax:  
 URL:  
 Market Area:  
 Business Unit:  
 Date Established:  
 No. of Employees: 0  
 Race/Ethnicity: Caucasian American  
 Gender: Female

Contact Information

Name: Rebekah Loveless  
 Phone: 619-922-0718  
 Email: rebekah@loveless-linton.com  
 Primary Address: 1421 W Lewis Street, San Diego, CA, 92103

Certification Information

Agency	Certificate Type	Issued Date	Recertification Date	Expiration Date
State of California Dept. of Gen Services	Micro	09/17/2013	Unknown	09/30/2017
City_of_San_Diego	SLBE	07/15/2014	Unknown	07/15/2016
CPUC	WBE	03/12/2014	Unknown	03/12/2017

Product/Service Description: General Services Professional Services

Industries and Services Information

Industry	Service/Product
115 Support Activities for Agriculture and Forestry	115310 Support Activities for Forestry
541 Professional, Scientific and Technical Services	541920 Environmental Consulting Services
541 Professional, Scientific and Technical Services	541990 Other Scientific and Technical Consulting Services
541 Professional, Scientific and Technical Services	541720 Research and Development in the Social Sciences and Humanities
541 Professional, Scientific and Technical Services	541980 All Other Professional, Scientific, and Technical Services
712 Museums, Historical Sites, and Similar Institutions	712120 Historical Sites
918 CONSULTING SERVICES	91800 CONSULTING SERVICES
918 CONSULTING SERVICES	91816 Archeological Consulting
918 CONSULTING SERVICES	91838 Education and Training Consulting
918 CONSULTING SERVICES	91843 Environmental Consulting
924 EDUCATIONAL/TRAINING SERVICES	92400 EDUCATIONAL/TRAINING SERVICES
947 FORESTRY SERVICES	94700 FORESTRY SERVICES
991 MISCELLANEOUS SERVICES, NO. 1 (NOT OTHERWISE CLASSIFIED)	99132 Environmental Impact Studies
992 MISCELLANEOUS SERVICES, NO. 2 (NOT OTHERWISE CLASSIFIED)	99207 Arts Services (Cultural, Design, Visual, etc.)

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**MIRAMAR GENERAL ENGINEERING**

**Company Information**

Name: MIRAMAR GENERAL ENGINEERING  
 Phone: 858-663-4933  
 Fax: 858-408-7191  
 URL: www.MiramarGeneral.com  
 Market Area:  
 Business Unit:  
 Date Established:  
 No. of Employees: 3  
 Race/Ethnicity:  
 Gender:

**Contact Information**

Name: Alex Karaja  
 Phone: 858-663-4933  
 Email: Alex@MiramarGeneral.com  
 Primary Address: 8400 Miramar Rd Suite 22A, San Diego, CA, 92126

**Certification Information**

Agency	Certificate Type	Issued Date	Recertification Date	Expiration Date
City of San Diego	ELBE	03/10/2016	Unknown	03/10/2016

Product/Service Description: Construction General Services Professional Services

**Industries and Services Information**

Industry	Service/Product
237 Heavy and Civil Engineering Construction	237110 Water and Sewer Line and Related Structures Construction
541 Professional, Scientific and Technical Services	541330 Engineering Services
756 ROAD AND HIGHWAY ASPHALT AND CONCRETE HANDLING AND PROCESSING EQUIPMENT	75600 ROAD AND HIGHWAY ASPHALT AND CONCRETE HANDLING AND PROCESSING EQUIPMENT
909 ARCHITECTURAL SERVICES, PROFESSIONAL	90646 Highways; Streets; Airport Pay-Parking Lots - Architectural
912 CONSTRUCTION SERVICES, GENERAL (INCL. MAINTENANCE AND REPAIR SERVICES)	91240 Demolition Services
913 CONSTRUCTION SERVICES, HEAVY (INCL. MAINTENANCE AND REPAIR SERVICES)	91336 Construction, Parking Lot and Alley
913 CONSTRUCTION SERVICES, HEAVY (INCL. MAINTENANCE AND REPAIR SERVICES)	91362 Maintenance and Repair, Sidewalk and Driveway (Including Removal)
914 CONSTRUCTION SERVICES, TRADE (NEW CONSTRUCTION)	91430 Concrete
916 CONSULTING SERVICES	91842 Engineering Consulting
991 MISCELLANEOUS SERVICES, NO. 1 (NOT OTHERWISE CLASSIFIED)	99154 Milling Services: Asphalt, Gravel, Cottonseed, Vegetable, Wood, etc.
996 PUBLIC WORKS AND RELATED SERVICES	99673 Storm Drain Cleaning, Repair, and Sludge Removal Services
996 ROADSIDE, GROUNDS, RECREATIONAL AND PARK AREA SERVICES	99692 Grading (Of Parking Lots, etc. - Not Road Building)

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Easy Flow

**Company Information**

Name: Easy Flow  
 Phone: 909-908-7300  
 Fax: 858-408-3679  
 URL: www.trenchlessrehab.com  
 Market Area:  
 Business Unit:  
 Date Established:  
 No. of Employees: 9  
 Race/Ethnicity: Caucasian American  
 Gender: Male

**Contact Information**

Name: Adam Wilson  
 Phone: 909-908-7300  
 Email: meredlth@trenchlessrehab.com  
 Primary Address: 14276 Crystal View Lane, Poway, CA, 92084

**Certification Information**

Agency	Certificate Type	Issued Date	Recertification Date	Expiration Date
City_of_San_Diego	ELBE	03/23/2016	03/23/2016	03/23/2018

Product/Service Description: Sewer Rehabilitation

**Industries and Services Information**

Industry	Service/Product
287 Heavy and Civil Engineering Construction	237110 Water and Sewer Line and Related Structures Construction
541 Professional, Scientific and Technical Services	541990 All Other Professional, Scientific, and Technical Services
682 Waste Management and Remediation Services	682098 All Other Miscellaneous Waste Management Services

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Affordable Drain Service, Inc.

**Company Information**

Name: Affordable Drain Service, Inc.  
 Phone: 858-689-4000  
 Fax: 858-689-4035  
 URL: www.AffordableDrain.com  
 Market Area:  
 Business Unit:  
 Date Established:  
 No. of Employees: 28  
 Race/Ethnicity: Caucasian American  
 Gender: Male

**Contact Information**

Name: Duane Johnson  
 Phone: 858-689-4000  
 Email: SHENSON@AFFORDABLEDRAIN.COM  
 Primary Address: 8340 Juniper Creek Lane, San Diego, CA, 92128

**Certification Information**

Agency	Certificate Type	Issued Date	Recertification Date	Expiration Date
City_of_San_Diego	SLBE	06/29/2014	08/29/2014	08/29/2016

Product/Service Description: Construction

**Industries and Services Information**

Industry	Service/Product
221 Utilities	221320 Sewage Treatment Facilities
237 Heavy and Civil Engineering Construction	237110 Water and Sewer Line and Related Structures Construction
641 Professional, Scientific and Technical Services	541990 All Other Professional, Scientific, and Technical Services
662 Waste Management and Remediation Services	602990 All Other Miscellaneous Waste Management Services
910 BUILDING MAINTENANCE, INSTALLATION AND REPAIR SERVICES	91093 Public Utilities: Water, Sewer and Gas Maintenance and Repair
962 MISCELLANEOUS SERVICES, NO. 2 (NOT OTHERWISE CLASSIFIED)	86292 Video Scanning of Sewers, Water Wells, etc.
966 PUBLIC WORKS AND RELATED SERVICES	96673 Storm Drain Cleaning, Repair, and Sludge Removal Services

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## California Certification Report

45 - DRAVES PIPELINE - MB   DVBE	
Legal Business Name	DRAVES PIPELINE
Doing Business As	DRAVES PIPELINE
Address	P O BOX 1051 BONSALL, CA 92003
Phone	(760) 728-7094
FAX	(760) 728-0086
Email	dale@dravespipeline.com
Web Page	http://www.dravespipeline.com
Active Certifications	SB (micro) Jun 3, 2013 - Jun 30, 2017 DVBE Jun 5, 2013 - Jun 30, 2017
Business Types	Service; Non-Manufacturer;
Classifications	[221017] Heavy equipment components [221019] Building construction machinery and accessories [301036] Structural products [301217] Road and railroad construction materials [401416] Valves [401423] Pipe fittings [401424] Pipe flanges [401700] Pipe piping and pipe fittings
Keywords	heavy construction equipment rental leasing n.e.c. truck without drivers construction material sales lumber other bldg. materials dealers pipe sales pipe fittings valves plumbing supplies site utilities sewer water storm drain consult dry utilities pump Fe

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

For credit calculations for City-funded contracts, see Chapter 11 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	MATERIALS OR SUPPLIES	DOLLAR VALUE OF MATERIAL OR SUPPLIES	SUPPLIER (Yes/No)	MANUFACTURER (Yes/No)	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WOSB, HUBZone, OR SDVOSB	WHERE CERTIFIED
Name: Draves Pipeline Address: PO Box 1051 City: Bonsall State: CA Zip: 92003 Phone: 760-728-7094 Email: dale@dravespipeline.com	Materials	\$1,445,000	Yes	No	DVBE	CADoGS
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____						

As appropriate, Design-Bullder 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		

As appropriate, Design-Bullder 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-Bullder will not receive any subcontracting participation percentages if the Design-Bullder fails to submit the required proof of certification.

**DESIGN-BUILD LIST OF SUBCONTRACTORS TO BE INCLUDED IN 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	SUBCONTRACTOR LICENSE NUMBER	TYPE OF WORK	DOLLAR VALUE OF SUBCONTRACT	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, or SDVOSB?	WHERE CERTIFIED?	CHECK IF JOINT VENTURE PARTNERSHIP
Name: <u>Michael Baker International</u> Address: <u>9755 Claremont Mesa Blvd., #100</u> City: <u>San Diego</u> State: <u>CA</u> Zip: <u>92124</u> Phone: <u>858-614-5000</u> Email: <u>lharris@mbakerintl.com</u>	Designer	Civil Engineer, CA #38217	Civil Engineering, Survey	\$540,000	OBE	N/A	
Name: <u>Global Environmental Network</u> Address: <u>PO Box 8038</u> City: <u>Fountain Valley</u> State: <u>CA</u> Zip: <u>92728</u> Phone: <u>714-479-1199</u> Email: <u>Mhorner@safetygeni.com</u>	Designer	N/A	Water Pollution Control Plan	\$10,200	DVBE	CADoGS	

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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		

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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: Accessibility Specialists Address: 11440 W. Bernardo Ct, Suite 300 City: San Diego State: CA Zip: 92127 Phone: 858-753-1765 Email: smiles@access-sp.com	Designer	N/A	Pedestrian Ramp Design	\$22,000	ELBE	City	
Name: Hudson Safe-T-Lite Rental Address: 777 Gable Way City: El Cajon State: CA Zip: 92022 Phone: 619-441-3644 Email: Georgina@hudsonsafelite.com	Designer	788289	Traffic Control Plans	\$6,500	SLBE	City	

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Name: <u>VO Engineering, Inc.</u> Address: <u>13230 Evening Creek Dr., Ste207</u> City: <u>San Diego</u> State: <u>CA</u> Zip: <u>92128</u> Phone: <u>858-391-8530</u> Email: <u>nick.tracy@vo-eng.com</u>	Designer	Geotechnical Engineer, CA 2578	Geotechnical Engineering	\$43,000	ELBE	City	
Name: <u>Photo Geodetic Corporation</u> Address: <u>1161 B. Main St., Ste 102</u> City: <u>El Cajon</u> State: <u>CA</u> Zip: <u>92021</u> Phone: <u>619-631-1366</u> Email: <u>ming@photogeodetic.com</u>	Designer	N/A	Aerial Mapping	\$13,000	ELBE	City	

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Name: Vic Salazar Enterprises Address: 2247 Indigo Dr. City: El Cajon State: CA Zip: 92019 Phone: 619-517-4744 Email: vic@vicsalazar.com	Constructor	N/A	Community Liaison	\$68,000	ELBE	City	
Name: RAP Engineering, Inc. Address: 503 E. Mission Road City: San Marcos State: CA Zip: 92069 Phone: 760-233-2980 Email: cburgin@rapenginc.com	Constructor	880956	AC Paving	\$2,161,051	SLBE	City	

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Name: Southwest Traffic Signal Service Address: 397 Raleigh Ave. City: El Cajon State: CA Zip: 92020 Phone: 619-442-3343 Email: jcross@southwestsignal.com	Constructor	451115	Traffic Loops & Push Buttons	\$47,200	ELBE	City	
Name: Payco Specialties, Inc. Address: 120 North 2nd Ave. City: Chula Vista State: CA Zip: 91910 Phone: 619-422-9204 Email: Dora@payco.biz	Constructor	298637	Striping	\$35,168	SLBE	City	

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Name: <u>Piperin Corporation</u> Address: <u>1185 Park Center Dr., Suite S</u> City: <u>Vista</u> State: <u>CA</u> Zip: <u>92081</u> Phone: <u>760-305-7248</u> Email: <u>craig@piperincorp.com</u>	Constructor	964028	Sewer Lateral Replumbing	\$1,590,000	ELBE	City	
Name: <u>REC Trucking, Inc.</u> Address: <u>1128 2nd Ave.</u> City: <u>Chula Vista</u> State: <u>CA</u> Zip: <u>91911</u> Phone: <u>619-946-4638</u> Email: <u>rectrucking,inc@gmail.com</u>	Constructor	N/A	Trucking	\$36,800	ELBE	City	

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Name: Oldcastle Precast Address: 2735 Cactus Rd. City: San Diego State: CA Zip: 92154 Phone: 619-240-8000 Email: Robert.Lara@oldcastle.com	Constructor	891107	Manholes	\$362,700	OBE	N/A	
Name: American Asphalt South, Inc. Address: P.O. Box 310036 City: Fontana State: CA Zip: 92331 Phone: 909-427-8276 Email: lyles@americanasphaltsouth.com	Constructor	784969	Slurry Seal	\$266,491	OBE	N/A	

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Name: <u>Loveless &amp; Linton Consulting</u> Address: <u>1421 W. Lewis St.</u> City: <u>San Diego</u> State: <u>CA</u> Zip: <u>92103</u> Phone: <u>619-922-0718</u> Email: <u>rebekah@loveless-linton.com</u>	Constructor	N/A	Environmental Mitigation & Monitoring	\$167,620	SLBE	City	
Name: <u>Miramar General Engineering</u> Address: <u>8400 Miramar Rd., Suite 22A</u> City: <u>San Diego</u> State: <u>CA</u> Zip: <u>92126</u> Phone: <u>858-663-4933</u> Email: <u>Alex@MiramarGeneral.com</u>	Constructor	1009541	Concrete Flatwork	\$446,054	ELBE	City	

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Name: Easy Flow Address: 14275 Crystal View Lane City: Poway State: CA Zip: 92064 Phone: 909-908-7300 Email: meredith@trenchlessrehab.com	Constructor	960845	Sewer Rehab	\$166,782	ELBE	City	
Name: Casper Company Address: 3825 Bancroft Dr., Ste 105 City: Spring Valley State: CA Zip: 91977 Phone: 619-589-6001 Email: gregc@caspercompany.com	Constructor	478960	Asbestos Pipe Handling & Disposal	\$128,000	OBE	N/A	

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

**DESIGN-BUILD LIST OF SUBCONTRACTORS TO BE INCLUDED IN 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	SUBCONTRACTOR LICENSE NUMBER	TYPE OF WORK	DOLLAR VALUE OF SUBCONTRACT	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB	WHERE CERTIFIED	CHECK IF JOINT VENTURE PARTNERSHIP
Name: Affordable Pipeline Services Address: 8340 Juniper Creek Lane City: San Diego State: CA Zip: 92126 Phone: 858-689-4000 Email: djohnson@affordabledrain.com	Constructor	790919	CCTV	\$73,240	SLBE	City	
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____ Email: _____							

ⓐ 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		

ⓑ 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.

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

---

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

TC Construction Co., Inc., a corporation, as principal, and Liberty Mutual Insurance Company, a corporation authorized to do business in the State of California, as Surety, hereby obligate themselves, their successors and assigns, jointly and severally, to The City of San Diego a municipal corporation in the sum of Twenty Three Million Seven Hundred Twenty Thousand Dollars and .00/100 (\$23,720,000.00) for the faithful performance of the annexed contract, and in the sum of Twenty Three Million Seven Hundred Twenty Thousand Dollars and .00/100 (\$23,720,000.00) for the benefit of laborers and materialmen designated below.

**Conditions:**

If the Principal shall faithfully perform the annexed contract **Sewer & AC Water Group 778**, RFP Number **K-16-1371-MAC-3**, San Diego, California then the obligation herein with respect to a faithful performance shall be void; otherwise it shall remain in full force.

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

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

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

**PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND (Cont.)**

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

Dated May 25, 2016

Approved as to Form

TC Constuction Company, Inc.


Principal

By 

AUSTIN CAMERON, PRESIDENT

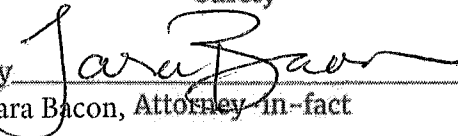
Printed Name of Person Signing for  
Principal

Jan I. Goldsmith, City Attorney


By   
Deputy City Attorney

Liberty Mutual Insurance Company

Surety

By   
Tara Bacon, Attorney-in-fact

Approved:

By   
James Nagelvoort, Director, Public Works  
Department

790 The City Drive, Suite 200

Local Address of Surety

Orange, CA 92868

Local Address (City, State) of Surety

(800) 763-9268

Local Telephone No. of Surety

Premium \$ 153,763.00

Bond No. 024067644

**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 )

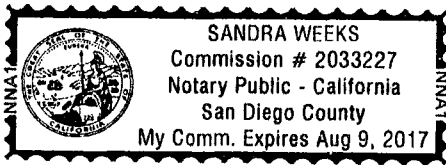
On June 1, 2016 before me, Sandra Weeks, Notary Public  
Date Here Insert Name and Title of the Officer

personally appeared Austin Cameron  
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 Sandra Weeks  
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 Performance Bond and Labor and Materialmen Bond  
Title or Type of Document: \_\_\_\_\_ Document Date: \_\_\_\_\_  
Number of Pages: 1 Signer(s) Other Than Named Above: N/A

**Capacity(ies) Claimed by Signer(s)**

Signer's Name: Austin Cameron  
 Corporate Officer — Title(s): President  
 Partner —  Limited  General  
 Individual  Attorney in Fact  
 Trustee  Guardian or Conservator  
 Other: \_\_\_\_\_

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

Signer Is Representing: TC Construction Co. Inc.

**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 May 25, 2016 before me, Maria Hallmark, Notary Public  
(insert name and title of the officer)

personally appeared Tara Bacon  
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  (Seal)





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

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

Certificate No. 7239816

American Fire and Casualty Company  
The Ohio Casualty Insurance Company

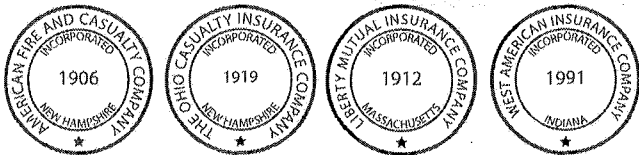
Liberty Mutual Insurance Company  
West American Insurance Company

**POWER OF ATTORNEY**

KNOWN ALL PERSONS BY THESE PRESENTS: That American Fire & Casualty Company and The Ohio Casualty Insurance Company are corporations duly organized under the laws of the State of New Hampshire, that Liberty Mutual Insurance Company is a corporation duly organized under the laws of the State of Massachusetts, and West American Insurance Company is a corporation duly organized under the laws of the State of Indiana (herein collectively called the "Companies"), pursuant to and by authority herein set forth, does hereby name, constitute and appoint, Bradley R. Orr; Dale G. Harshaw; Geoffrey Shelton; John R. Qualin; Kyle King; Tara Bacon

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

IN WITNESS WHEREOF, this Power of Attorney has been subscribed by an authorized officer or official of the Companies and the corporate seals of the Companies have been affixed thereto this 14th day of January, 2016



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

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

STATE OF PENNSYLVANIA ss  
COUNTY OF MONTGOMERY

On this 14th day of January, 2016, before me personally appeared David M. Carey, who acknowledged himself to be the Assistant Secretary of American Fire and Casualty Company, Liberty Mutual Insurance Company, The Ohio Casualty Insurance Company, and West American Insurance Company, and that he, as such, being authorized so to do, execute the foregoing instrument for the purposes therein contained by signing on behalf of the corporations by himself as a duly authorized officer.

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



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

By: Teresa Pastella  
Teresa Pastella, Notary Public

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

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

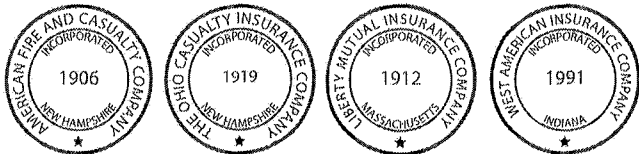
**ARTICLE XIII – Execution of Contracts – SECTION 5. Surety Bonds and Undertakings.** Any officer of the Company authorized for that purpose in writing by the chairman or the president, and subject to such limitations as the chairman or the president may prescribe, shall appoint such attorneys-in-fact,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

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

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

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

IN TESTIMONY WHEREOF, I have hereunto set my hand and affixed the seals of said Companies this 25th day of May, 2016



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

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

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

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

State of California )  
County of San Diego ) ss.

Austin Cameron, being first duly sworn, deposes and says that he or she is President of the party making the foregoing proposal that the 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.

Signed: Austin Cameron 

Title: President

See attached

Subscribed and sworn to before me this \_\_\_\_\_ day of \_\_\_\_\_, 20\_\_\_\_

Notary Public  
(SEAL)

## CONTRACTORS CERTIFICATION OF PENDING ACTIONS

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

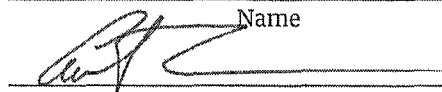
**CHECK ONE BOX ONLY.**

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

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

Contractor Name: TC Construction Company Inc.

Certified By Austin Cameron Title President

  
 \_\_\_\_\_  
 Signature

Date 5-3-16

**USE ADDITIONAL FORMS AS NECESSARY**

## **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 7-13.3, "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**

---

### **AMERICAN 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 American With Disabilities Act (ADA) outlined in the WHITEBOOK, Section 7-13.2, "American With Disabilities", 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 7-13.4, ("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 whose subcontracts are greater than \$50,000 in value has completed a Pledge of Compliance attesting under penalty of perjury of having complied with City of San Diego Municipal Code § 22.3004.

**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:

**Sewer & AC Water Group 778**

(Name of Project)

as particularly described in said contract and identified as Bid No. **K-16-1371-MAC-3**; SAP No. (WBS/IO/CC) **B-00388/B-15069**; and WHEREAS, the specification of said contract requires the Contractor to affirm that "all brush, trash, debris, and surplus materials resulting from this project have been disposed of in a legal manner"; and WHEREAS, said contract has been completed and all surplus materials disposed of:

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

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

Dated this \_\_\_\_\_ DAY OF \_\_\_\_\_, \_\_\_\_\_.

\_\_\_\_\_  
Contractor  
by

**ATTEST:**

State of \_\_\_\_\_ County of \_\_\_\_\_

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

Notary Public in and for said County and State

**EQUAL BENEFITS ORDINANCE  
CERTIFICATION OF COMPLIANCE**



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

COMPANY INFORMATION	
Company Name: TC Construction Company Inc.	Contact Name: Austin Cameron
Company Address: 10540 Prospect Ave., Santee, CA 92071	Contact Phone: 619-448-4560 ext.117
	Contact Email: acameron@tcincsd.com

CONTRACT INFORMATION	
Contract Title: MACC TO: 02 Sewer & AC Water Group 778	Start Date: TBD
Contract Number (if no number, state location): K-16-1371-MAC-3	End Date: TBD

**SUMMARY OF EQUAL BENEFITS ORDINANCE REQUIREMENTS**

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

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

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

**CONTRACTOR EQUAL BENEFITS ORDINANCE CERTIFICATION**

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

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

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

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

Name/Title of Signatory	Austin Cameron, President	Signature		Date	5-3-16
-------------------------	---------------------------	-----------	--	------	--------

FOR OFFICIAL CITY USE ONLY			
Receipt Date:	EBO Analyst:	<input type="checkbox"/> Approved	<input type="checkbox"/> Not Approved – Reason:

(Rev 02/15/2011)



**ATTACHMENT J**

**MACC TASK ORDER DESIGN-BUILD AGREEMENT**

## MACC TASK ORDER AGREEMENT

This Design-Build agreement [Contract] is made and entered into this \_\_\_\_ day of \_\_\_, 2016, by and between The City of San Diego [City], a municipal corporation, and **TC Construction Co., Inc.** [Design-Builder], for the purpose of designing and constructing the **Sewer & AC Water Group 778** Project in the amount of **Twenty-Three Million Seven Hundred Twenty Thousand Dollars and .00/100 (\$23,720,000.00)**. 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-16-1371-MAC-3 for Sewer & AC Water Group 778**, 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 has selected the Design-Builder to perform, either directly or pursuant to Subcontracts, hereinafter defined, the design, engineering, and construction services set forth in this Agreement and the Contract Documents, hereinafter defined.
- 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 **2015** Edition of the Standard Specifications for Public Works Construction [The GREENBOOK], including amendments set forth in the **2015** edition of the San Diego Specifications for Public Works Construction [The WHITEBOOK]. The Contract Documents shall include the items mentioned in General Provisions ( C ) section 2-5.2 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 or **Municipal Code 22.3102** authorizing such execution.

**THE CITY OF SAN DIEGO**

**APPROVED AS TO FORM**

By  \_\_\_\_\_

By  \_\_\_\_\_


Print Name: James Nagelvoort,  
Director, Public Works Department

Print Name: Pedro DeLara, Jr.  
Deputy City Attorney

Date: 6/9/16

Date: 6/10/16

**CONTRACTOR**

By  \_\_\_\_\_

Print Name: AUSTIN CAMERON

Title: PRESIDENT

Date: 6/1/2016

City of San Diego License No.: B1987004773

State Contractor's License No.: 402459

# City of San Diego

CITY CONTACT: Clementina Giordano - Contract Specialist, Email: CGiordano@sandiego.gov  
Phone No. (619) 533-3481, Fax No. (619) 533-3633

## ADDENDUM "1"

## REQUEST FOR PROPOSAL

## FOR

MACC TASK NUMBER: 02

## Sewer & AC Water Group 778



RFQ NO.:	1293
PROPOSAL NO.:	K-16-1371-MAC-3
SAP NO. (WBS/IO/CC):	B-00388 / B-15069
CLIENT DEPARTMENT:	2112
COUNCIL DISTRICT:	4
PROJECT TYPE:	JA / KB

### PROPOSAL DUE:

MAY 3, 2016  
CITY OF SAN DIEGO  
PUBLIC WORKS CONTRACTS  
1010 SECOND AVENUE, 14<sup>th</sup> FLOOR, MS 614C  
SAN DIEGO, CA 92101

**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.

**B. BIDDER'S QUESTIONS**

- Q1. This project is the first MACC that has not had a preliminary ADA assessment provided. There are currently many pedestrian ramps in the project limits that appear to be new/newer however it is unknown if they need to be replaced or modified to meet current standards. So that all bidders are on an equal playing field please clarify which ped ramps need to be replaced. In past experience, just because a ped ramp has a new yellow detectible warning tile does not mean that it doesn't need to be replaced.
- A1. Design and replace/install ped ramps per the locations shown in the curb ramp sheet no. 39 of the 60% design reference drawings. There are 35 ped ramps. The City ADA Officer will review the 60% submittal of the selected DBB firm.
- Q2. RFP pg. 3 – "Summary of Work" it states that the contractor is to relocate and place approx. 135 new water meters. Please confirm the scope is new water services and water meters will be furnished and placed by City of SD.
- A2. The water services will be replaced but the existing water meters will be used and relocated if necessary."
- Q3. Please clarify final street resurfacing requirements, currently there is a preliminary assessment, plan sheet C-39 provided in the 60% drawing set. Should bids be prepared according to this plan sheet? Furthermore Escuela Street and 45<sup>th</sup> Street appear to have been paved very recently, typically there would be a paving moratorium in place for 5 years, or a waiver would have to be issued and the street would be required to be repaved not slurry sealed per the Prelim assessment on sheet C-39. Please clarify if there is a moratorium in place and what the final resurfacing requirements will be.
- A3. The design and bids should be prepared according to preliminary assessment. See pg. 79 Sec. 6-2.1 for moratorium info.
- Q4. See attached pdf provided in task order #1. Currently there is not one provided for Task order #2. Please clarify.

- A4. The Price Proposal Form was added to Appendix H Price Forms of the Contract Documents.
- Q5. For replumb exhibits that have to be drawn and submitted to the City and subsequently to the homeowner for review, please provide a sample exhibit that shows the level of detail typically required.
- A5. See response on Appendix K, Exhibit A, page 8 of this Addendum.
- Q6. Who will be responsible for getting replumb agreements signed by the homeowners?
- A6. The Design Builder.
- Q7. RFP pg.91, section 215-1.1 Are there any pump systems anticipated to be required for any of the replumbs?
- A7. Yes
- Q8. There is a potential for a .5% sales tax increase to be voted into place in November. If the increase is approved will a change order be given to the contractor for material purchased after the increase goes into effect?
- A8. A CCO will be issued if the sales tax increase is approved and implemented during the duration of the project. The increase will only be applicable to purchases for the contract after enforcement of the sales tax increase by the State of California.
- Q9. RFP pg. 23, section 3.1.8 – typically the City pays for Cal Trans permit fees as an allowance. There will likely be a cal trans permit required for 47<sup>th</sup> & Market St area which is an unknown cost. Please confirm if cal trans permit costs can be paid for from the Contingency Item.
- A9. No. Per page 24, Section 3-1.8 of the Contract, the City will pay permit fees (not including Caltrans). The Design-Builder is responsible for obtaining Caltrans permit fees and therefore should be included in the Contract price
- Q10. RFP pg. 90&91 – Slurry Seal requirements, what type of RPMS is to be used? Type 1, type 2, type 1 over type 3?
- A10. Per Bridging Documents item No.8 Under General/Slurry Seal Requirement.
- Q11. RFP Pg. 258, what is the Q&A meeting mentioned at the top of the page?
- A11. There is no Q & A meeting if Presentations will not be required (See Item 8.2 of Attachment G). We will delete the provision for the Q & A meeting.

- Q12. Will City provide CAD files of the 60% (EST) plans?
- A12. Re-upload to City's FTP Site. Use the following link:  
<ftp://ftp.sannet.gov/OUT/WBS%20B00388%20Swr%20&%20AC%20Wtr%20GJ%20778/>
- Q13. Bridging document #2, **GJ778 Pre-Design Phase Complete Memo – Draft 151014** was not uploaded to the City's FTP site. Please provide this document.
- A13. Re-upload to City's FTP Site. Use the following link:  
<ftp://ftp.sannet.gov/OUT/WBS%20B00388%20Swr%20&%20AC%20Wtr%20GJ%20778/>
- Q14. Bridging document #5, **Water Hydraulic Modeling** included results for Site 1 and Site 2. Has the City performed water hydraulic modelling for Site 3 and Site 4?
- A14. The City did not performed the hydraulic modelling for Site 3 & Site 4, the water piping network within the vicinity should be improved to meet the City's minimum standard.
- Q15. Bridging document #7, **General\AC Concrete and Slurry Seal Requirements** was not uploaded to the City's FTP site. Please provide this document.
- A15. Re-upload to City's FTP Site. Use the following link:  
<ftp://ftp.sannet.gov/OUT/WBS%20B00388%20Swr%20&%20AC%20Wtr%20GJ%20778/>
- Q16. Bridging document #8, **General\Slurry Seal Requirements** was not uploaded to the City's FTP site. Please provide this document.
- A16. Re-upload to City's FTP Site. Use the following link:  
<ftp://ftp.sannet.gov/OUT/WBS%20B00388%20Swr%20&%20AC%20Wtr%20GJ%20778/>
- Q17. Bridging document #10, **General\ General Requirements for Access Law Design Compliance for Group Job Projects** was not uploaded to the City's FTP site. Please provide document.
- A17. Re-upload to City's FTP Site. Use the following link:  
<ftp://ftp.sannet.gov/OUT/WBS%20B00388%20Swr%20&%20AC%20Wtr%20GJ%20778/>

- Q18. Has the City prepared any access law design compliance reviews during the preliminary engineering of the project? Please provide this information if available.
- A18. The information is not available.
- Q19. Bridging document #15, **Survey Files**, the survey files for Site 3 and Site 4 do not include the aerial mapping information for either site. Please provide this information if available.
- A19. See Water and Sewer 778 Ortho from Bridging Document which shows the aerial map of the entire project.
- Q20. Bridging document #22, **Preliminary Engineering Report**, only included the attachments and figures. Will the City provide a complete copy of the Preliminary Engineering Report (10% Pre-Design Report) Sewer Group Job 778, WBS B-00338, Dated Aug 2, 2014?
- A20. The 10% Pre-Design Report is uploaded to FTP site.
- Q21. Will the City allow water and sewer improvements to be shown on the same Plan & Profile sheet?
- A21. Water & Sewer improvement shall be shown per pg. 58 Sec. 46.1
- Q22. The majority of streets will include dual pipeline trenches, typically the City requires full width AC overlay for streets with multiple trenches. Will the City require these streets to be edge ground and overlaid regardless of existing condition?
- A22. The design and bids should be prepared according to preliminary assessment.
- Q23. Sheet number 40 of the 60% design reference drawings provides quantities and locations for Slurry Seal and AC Overlay on the various streets. Referencing question No.11 there are streets shown on this sheet with slurry seal called out where the contractor will be installing multiple pipes. Should sheet 40 be used as the basis for bidding or will the City provide a new Exhibit detailing areas for AC Overlay vs. Slurry Seal?
- A23. The design and bids should be prepared according to preliminary assessment.
- Q24. Sheet 39 of the 60% design reference drawings provides quantities and types of curb ramps. Should sheet 39 be used as a basis for bidding curb ramps? If not what standards or documents should be used to determine quantity and types of ADA compliant curb ramps?



A24. Design and replace/install ped ramps per General Requirements for Access Law Design Compliance in all locations shown in curb ramp sheet no. 39 in (EST) 60% design reference with approx. 35 locations.

Q25. Attachment A Section 2.7.2 states the scope will include preparation of 30%, 60%, 100%, and final design drawings. However, since 60% design reference drawings were provided in the RFP is the contractor still required to prepare all design submittal drawings?

A25. Yes, 60% design that were provided in the RFP is for reference only.

Q26. Will backwater devices be required per SDS-104?

A26. This is standard.

Q27. Will property sewer pumps be allowed on sewer lateral replumb lines?

A27. Yes, if needed. The design builder should verify.

Q28. There is no Cost file in the RFP that allows the contractor provide pricing, design build cost and City contingency amount. Please provide document.

A28. Please see the document in the Planet bid.

### C. CHANGES TO THE REQUEST FOR PROPOSALS

1. To Attachment E, Supplementary Special Provisions (SSP), **ADD** Appendix K, Exhibit A - Sewer Lateral with Private Plumbing 1234 Example Dr., pages 7 through 8 of this Addendum.
2. To Attachment G, Proposal Submittal Requirements And Selection Criteria, **DELETE** the last sentence of the last paragraph on Page 257.
3. To Attachment H, Price Forms, page, 259, **ADD** Price Proposal Forms, page 9 of this Addendum.

James Nagelvoort, Director  
Public Works Department

Dated: April 22, 2016  
San Diego, California

JN/AJ/Lad

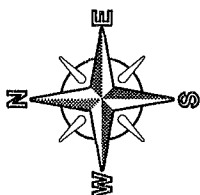
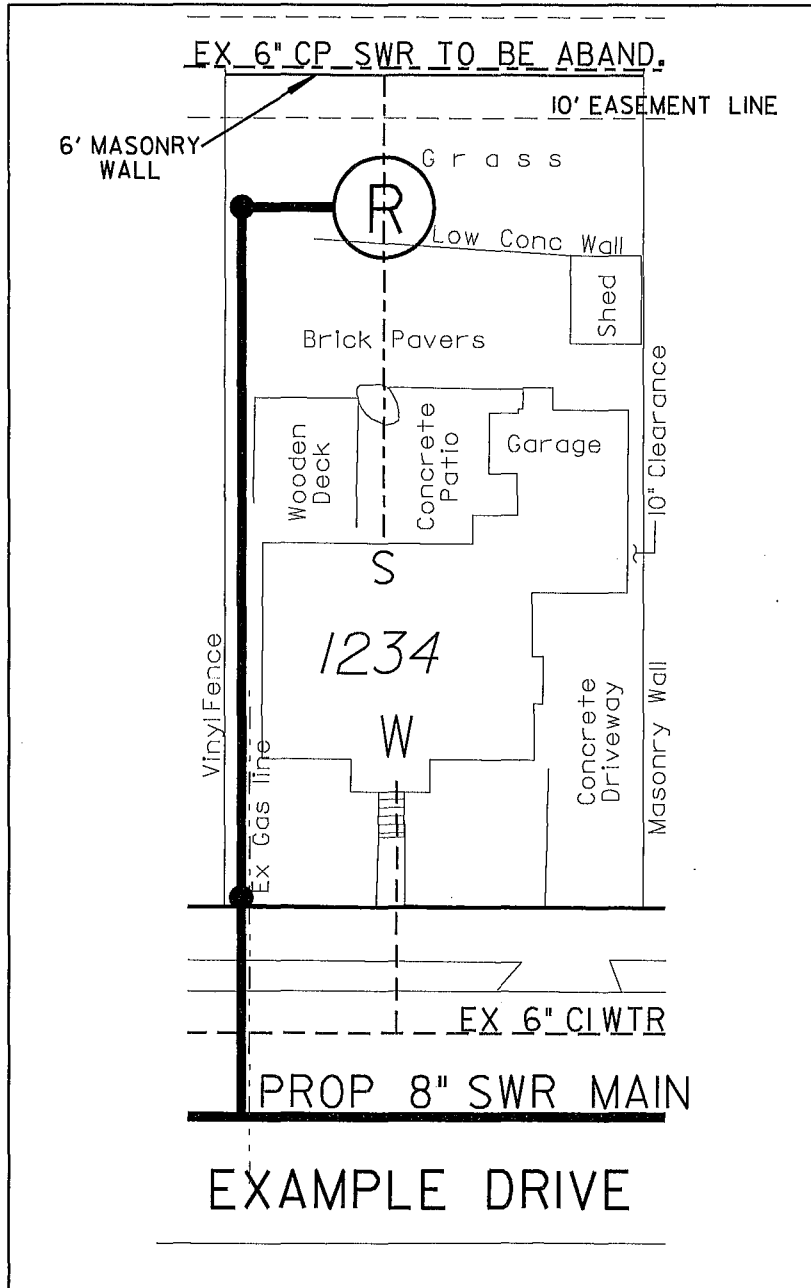
**APPENDIX K**

**EXHIBIT A - SEWER LATERAL WITH PRIVATE REPLUMBING**

# EXHIBIT A

## SEWER LATERAL WITH PRIVATE REPLUMBING

### 1234 EXAMPLE DR



NO SCALE  
 April 22, 2016 - Sewer & AC Water Group 778 ADDENDUM "1"

LEGEND	
SEWER LATERAL REPLUMB	
NEW SEWER MANHOLE	
NEW SEWER CLEANOUT	
NEW SEWER MAIN	
EXISTING SEWER MAIN	
EXISTING SEWER LATERAL (APPROX. LOCATION)	
EXISTING SEWER MANHOLE	

**PRICE PROPOSAL FORMS**

Total Price for Design-Build Proposal (Items 1 through Item 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 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.

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 alone.
- B. After the selected Design-Builder has been determined, the City may, at its sole discretion, award the contract for the Base Proposal alone
- 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**.

K-16-1371-MAC-3- Sewer & AC Water Group 778

Bids Opened: 5/11/16  
PROJECT MANAGER: Regan Owen

COMPANY:

Engineer's Estimate - \$18,000,000.00

TC Construction, Co.

Orion Construction/Balboa Const Joint Venture

El Cajon Grading & Engineering Co., Inc.

Item No.	Quantity	Unit	DESCRIPTION	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION	UNIT PRICE	EXTENSION
1	1	LS	Engineering and Design Services		\$0.00		\$635,000.00		\$925,000.00		\$410,679.00
2	1	LS	Field Construction		\$0.00		\$21,285,000.00		\$21,252,000.00		\$24,660,247.00
3	1	AL	City Contingency		\$1,800,000.00		\$1,800,000.00		\$1,800,000.00		\$1,800,000.00
<b>TOTAL FOR PROPOSAL (ITEMS NO 1 THROUGH 3 INCLUSIVE)</b>					<b>\$1,800,000.00</b>		<b>\$23,720,000.00</b>		<b>\$23,977,000.00</b>		<b>\$26,870,926.00</b>
						Michael Baker International (Designer) San Diego, CA Civil Engineering Survey \$540,000.00		Harris & Associates (Designer) San Diego, CA Civil Design west of 47th Street \$376,000.00		David Evans & Associates, Inc. (Designer) San Diego, CA Engineering \$353,899.00	
						Global Environmental Network (Designer) Fountain Valley, CA Water Pollution Control Plan \$10,200.00		Southern California Soil & Testing (Designer) San Diego, CA Geotechnical Investigation \$19,454.00		Force 77 (Designer) San Diego, CA Curb Ramp Engineering \$6,580.00	
						Accessibility Specialists (Designer) San Diego, CA Pedestrian Ramp Design \$22,000.00		GHD (Designer) San Diego, CA Civil Design west of 47th Street \$177,000.00		RCE Traffic Engineering (Designer) La Mesa, CA Traffic Engineering \$25,500.00	
						Hudson Safe-T-Lite Rentals (Designer) El Cajon, CA Traffic Control Plans \$6,500.00		AIRX Utility Surveyors (Designer) Escondido Design Potholing \$87,000.00		McGrath Consulting (Constructor) El Cajon, CA Water Pollution Control Plan \$1,500.00	
						VO Engineering, Inc. (Designer) San Diego, CA Geotechnical Engineering \$43,000.00		Humanability (Designer) Escondido, CA Community Relations Plan \$3,000.00		Red Tail Monitoring & Research Inc. (Const.) Santa Ysabel, CA Archeo/Paleo/Native American Monitoring \$640,000.00	
						Photo Geodetic Corporation (Designer) El Cajon, CA Aerial Mapping \$13,000.00		Land Surveying Consultants (Designer) Escondido Design Survey \$15,560.00		Vic Salazar Enterprises (Constructor) El Cajon, CA Community Liaison \$68,000.00	
						Vic Salazar Enterprises (Constructor) El Cajon, CA Community Liaison \$68,000.00		Sealright Paving (Constructor) Spring Valley, CA Portions of A.C. Paving \$475,000.00		YBS Concrete (Constructor) Chula Vista, CA Curb Ramps \$479,710.00	
						RAP Engineerinh, Inc. (Constructor) San Marcos, CA AC Paving \$2,161,051.00		Robcar DBA Hudson Safe-T-Lite (Designer) El Cajon, CA Traffic Control Plans \$9,750.00		Oldcastle Precast (Constructor) San Diego, CA Manholes Rehab \$22,950.00	
						Southwest Traffic Signal Service(Constructor) El Cajon, CA Traffic Loops & Push Buttons \$47,200.00		YBS Concrete (Constructor) Bonita, CA Portions of Site Concrete \$431,000.00		RAP Engineerinh, Inc. (Constructor) San Marcos, CA Paving \$824,466.00	
						Payco Specialities, Inc. (Constructor) Chula Vista, CA Striping \$35,168.00		Red Tail Monitoring & Research Inc. (Const.) Santa Ysabel, CA Archeo/Paleo/Native American Monitoring \$196,000.00		Rosenbach Company, Inc. (Constructor) El Cajon, CA Sawcutting \$373,000.00	
						Piperin Corporation (Constructor) Vista, CA		Sutherland Contracting (Constructor) El Cajon, CA		G.Scott Asphalt (Constructor) Chula Vista, CA	

	Sewer Lateral Replumbing \$1,590,000.00	Traffic Loops \$24,267.00	Slurry Seal \$365,523.00
	REC Trucking, Inc. (Constructor) Chula Vista, CA Trucking \$36,800.00	LSI Road Marking (Constructor) El Cajon, CA Pavement Markings \$48,172.00	Southwest Traffic Signal Service(Constructor) El Cajon, CA Traffic Loops \$32,400.00
	Oldcastle Precast (Constructor) San Diego, CA Manholes \$362,700.00	American Asphalt South, Inc.(Constructor) Fontana, CA Slurry Seal \$236,000.00	LSI Road Markings (Constructor) El Cajon, CA Traffic Striping \$48,172.00
	American Asphalt South, Inc.(Constructor) Fontana, CA Slurry Seal \$266,491.00	Humanability (Designer) Escondido, CA Community Outreach \$27,000.00	McGrath Consulting (Constructor) El Cajon, CA Water Pollution Control Plan \$23,250.00
	Loveless & Linton Consulting (Constructor) San Diego, CA Environmental Mitigation & Monitoring \$167,620.00	Transtar Pipeline (Constructor) San Diego, CA Portions of Pipeline Installation \$3,125,000.00	Coastal Pipeline (Constructor) Encinitas, CA TV Sewer \$45,000.00
	Miramar General Engineering (Constructor) San Diego, CA Concrete Flatwork \$446,054.00	Brownlow Enterprises (Constructor) Lakeside, CA Portions of Trucking \$912,000.00	Acme Safety & Supply Corp. (Constructor) National City, CA Traffic Control & Flagmen \$237,000.00
	Easy Flow (Constructor) San Diego, CA Sewer Rehab \$166,782.00	AIRX Utility Surveyors (Designer) Escondido CCTV Sewer Inspection \$21,700.00	M.H. Hoffman Trucking, Inc. (Constructor) Chula Vista, CA Trucking \$2,747,000.00
	Casper Company (Constructor) Spring Valley, CA Asbestos Pipe Handling & Disposal \$128,000.00		Southwest Pipeline & Trenchless Torrance, CA Sewer Rehab \$90,891.00
	Affordable Pipeline Services (Constructor) San Diego, CA CCTV \$73,240.00		



**ORIGINAL**  
Technical Proposal



# **MACC** **Task Order No. 02** **Sewer & AC Water Group 778**



Submitted by

TC Construction Co.  
10540 Prospect Avenue  
Santee, CA 92071  
619.448.4560



In partnership with

**Michael Baker**  
INTERNATIONAL





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<b>Legal Name:</b>	TC Construction Company, Inc.
<b>Legal Form of Entity:</b>	Corporation
<b>Year of establishment:</b>	1977
<b>Subsidiary:</b>	N/A
<b>Address:</b>	10540 Prospect Avenue, Santee, CA 92071 (main office)
<b>Contact information:</b>	Austin Cameron, President, acameron@tcincsd.com, (619) 448-4560, ext. 117
<b>Employees in SD County:</b>	255
<b>Applicable License(s):</b>	City of San Diego Business License Number: B1987004773, exp date 3/31/17  State Contractor’s License Number: 402459, exp date 4/30/17, Classifications A and C21  Professional Engineering/Architect License Number, CA 38217, exp date 3/31/17

### FIRM INFORMATION







Addenda to the RFP  
Exceptions to the RFP  
Subcontracting Participating Percentages



## 1. Addenda to the RFP

### 1.1 Proposed Design Concept

TC Construction Company (TC) is in receipt of the following addenda to this Request for Proposal (RFP): Addendum Number 1, dated April 22, 2016.

## 2. Exceptions to the RFP

### 2.1 Proposed Design Concept

TC does not take exception to this RFP, addenda or the draft agreement.

Authorized Signature

**Austin Cameron, President, TC Construction Company, Inc.**

## 3. Subcontracting Participation Percentages

The TC Construction Company, Inc. and Michael Baker International, Inc. Design-Build Team (TCDB) will exceed the mandatory minimum subcontractor participation percentages established by the City of San Diego (City) for this Project. We have partnered with many local ELBE/SLBE/ DVBE certified firms to achieve this goal and to unequivocally demonstrate our commitment to equal opportunity subcontracting. The certified SLBE/ELBE/DVBE firms with which we have partnered for this contract include:

DESIGN		CONSTRUCTION	
Subconsultant Name	Certification	Subconsultant Name	Certification
VO Engineering	ELBE	Vic Salazar Communications	ELBE
Photo Geodetic Corp	ELBE	Miramar General Engineering	ELBE
Hudson Safe-T-Lite	SLBE	Rap Engineering	SLBE
Global Environmental Network, Inc.	DVBE	Draves Pipeline	DVBE
Accessibilty Specialists	ELBE	Payco Specialties, Inc.	SLBE
		Southwest Traffic Signal	ELBE
		REC Trucking, Inc.	ELBE
		Affordable Pipeline	SLBE
		Loveless and Linton	SLBE
		Piperin Corporation	ELBE
		Easy Flow	ELBE

### 3.1 Minimum Participation Percentages

SUMMARY OF SUBCONTRACTING PARTICIPATION PERCENTAGES					
Services	SLBE	ELBE	DVBE	Total Required	TCDB Actual
Design Services <sup>1</sup>	4.70%	7.50%	1.60%	13.80%	14.91%
Construction Services <sup>2</sup>	5.70%	16.6%	4.00%	26.30%	26.58%

<sup>1</sup> Percentages shown relative to proposed design service budget in the bid form.

<sup>2</sup> Percentages shown relative to proposed construction services budget in the bid form.



## Executive Summary



## 4. Executive Summary

### 4.1 Overview

San Diego (City) is a vibrant city with opportunities for enhancements in the coming years. The City is in need of our team to continue assisting with the design and construction of capital improvement projects. The Sewer & AC Water Group 778 Design-Build project is vital to maintain the quality and reliability of the infrastructure serving the Encanto community. The success of the project depends on a design-build team to **protect the City's interests, take ownership of the job, and ensure work is completed safely, on time, and on budget.**

**The TCDB Team understands this project!** We know the community spirit, soils conditions, traffic patterns and other elements through our history of successfully completed nearby projects. We have used this knowledge coupled with information gained through reviewing the bridging documents and discussions with City staff to develop the best, most cost-effective approach for the City.

As it has on past project efforts, the City will directly benefit from the experience of TC and our lead design partner, Michael Baker, each of which has worked extensively with the City on water and sewer pipeline improvement projects. Additionally, the synergy established between the firms over numerous similar projects enables fluid communication and shared knowledge among key Team members, as well as full involvement of all personnel throughout the entire process. It allows our Team to identify issues early and consider appropriate, cost-saving solutions; develop more accurate and comprehensive schedule milestones; and provide a smooth transition between the design and construction phases.

#### Local Project Management Emphasizes Communication, Value and Quality

**Austin Cameron** will lead our experienced team, as Project Manager and will oversee all members of the team. He has served as the Project Manager for many of the City's successful design-build projects. Austin will leverage his 25 years of experience as to oversee all members of the team. **John Harris, PE**, will serve as the Design Manager and will manage day-to-day design tasks. His 38 years of experience will warrant a smooth flow of work between the team, and ensure the QA/QC process is a priority.

### The TCDB Team Knows The City of San Diego

No other team knows your design build projects better than the TCDB Team.

We have been working together with the City for **39 years**, providing a vast array of construction, design, planning, engineering, and architectural services.

#### TCDB Team: Successful City of San Diego Infrastructure Projects

- ✓ Encanto Otay II 42-inch Pipeline
- ✓ Alvarado Trunk Sewer Phase IIIA DB Projects
- ✓ Water Group 554 & 555 DB Project
- ✓ South Mission Valley Trunk Sewer
- ✓ Harbor Drive and Lindbergh Field Cast Iron Pipeline Replacement Projects





Through the years, Austin and John have **established working relationships with City staff and key stakeholders** and gained **an intimate knowledge of the projects and potential issues**. John will be supported by the **same teaming partners** we've worked with on several other City projects. This qualified pool of staff can perform a variety of functions, which gives us the flexibility to bring in the right person, at the right time, in the most cost-effective manner.

### Essential Design Considerations

We have identified the following essential design considerations to ensure the project is completed on time and to the satisfaction of the various City Departments involved with the project.

- Developing detailed phasing plans and local access management plans to reduce impact. We have identified locations for cut-in tees, therefore allowing the pipes on Hilltop Drive and 47<sup>th</sup> Street to remain in service during construction, maintaining service to most residences along those streets as well as Chollas View United Methodist Church and Gompers Preparatory Academy.
- Coordination with homeowners will be of paramount importance to ensure improvements to their private plumbing system are made to each property owners' satisfaction.
- Recognition of long lead time approval items, such as the gate valves and coated ductile iron fittings.
- Completion of topographic surveys and right-of-way mapping to supplement information provided with RFP documents.
- Developing a proactive traffic management plan with consideration to local transit stops.

### Construction Imperatives

We have likewise identified construction phase activities essential to success, including:

- Securing pre-construction approvals for materials, staging areas and permits to expedite the work as soon as the design process is complete.
- Providing an **efficient construction team** to work quickly in each of the project areas and move on to the next.
- Ensuring that all materials are on-site and available to field workers without delay.
- Providing **clear communication** to all subcontractors, vendors and material suppliers to keep all team members on schedule.
- Continue the **proactive community outreach** program through the construction phase and strive to be a "good neighbor" with a high level of public safety awareness.

Our leadership consists of experienced managers who have worked with the City and have **established relationships** within the industry, which provides the level of **TRUST** you need to be confident that your goals will be met.

## TC Construction and Michael Baker

A Trusted Local Team Emphasizing Communication, Value and Quality

A **15+ year relationship** that has successfully put over **\$40 million of local infrastructure** in place in San Diego County.





Project Team



## 5. Project Team

The TCDB Team has the outstanding qualities necessary to provide the design and construction services needed to complete this project. Below is our organizational chart outlining roles of our key personnel.

### Updated Organization Chart





## 5.1 Changes to Key Personnel

John Kiser, Safety Supervisor has been added to our organizational chart and Bobby Kostryka has been promoted to General Superintendent. These are the only changes to our key personnel from our original SOQ.

### Key Personnel

Brief resumes demonstrating just a small sampling of our key personnel’s relevant experience is included in this section.

#### AUSTIN CAMERON (TC)

#### Design-Build Project Manager

**Years of Experience:** 25

**Certifications/Registrations**

CA Contractors License,  
#402459

AGC Construction  
Supervisor

**OSHA**

Certified Competent  
Person, Confined Space  
Awareness, 10-Hour  
Certified Construction  
Safety and Health

**Education:**

BA, Business Administration

Austin will act as the TCDB Team liaison to ensure that the City’s needs and expectations are clearly understood and communicated to the project team. He will provide oversight to the team and facilitate the building of relationships between all parties, foster the growth of the MACC program and encourage direct client-consultant communication. Austin will ensure our team has the resources necessary to provide the City with the best project value. **Responsibilities include:**

- Overall management supervision of the TCDB Team
- Contract negotiations with the City and the design and construction team
- Project master scheduling and budgeting
- Cost estimating
- Value engineering
- Attend regularly scheduled meetings with the design team
- Operational, logistical, and constructability reviews
- Construction phasing and staging
- Design drawing review
- Performance of subcontractors and equipment suppliers
- Conformance to project specifications
- Coordination with affected communities, agencies, and utility services

**Qualifications** - 25 years of experience managing the construction of water and wastewater pipeline projects, as well as integrating the efforts of design and construction professionals for the efficient and successful delivery of design-build infrastructure improvement projects. **Austin’s project experience includes:**

- City of San Diego MACC TO 1: Group Job 946 and 949
- City of San Diego Otay II Pipeline N. Encanto 42-inch Water Main Replacement
- City of San Diego Crown Point Trunk Sewer
- City of San Diego Alvarado Trunk Sewer, Phase 3A, Design-Build







**ELAN SCHIER (TC)**

**Construction Manager**

**Years of Experience:** 14  
**Certifications/Registrations**  
 AGC Construction Supervisor;  
 Certificate of Training in SWPP,  
 Managing Delays, Acceleration  
 and Inefficiency; SSPWC  
 Greenbook Principles; City of San  
 Diego Traffic Control Plan  
 Preparation; Primavera Planning  
 and Scheduling

Elan will be the **main point of contact between the City and the TCDB Team.** He will lead and manage daily planning and execution of all construction field work. **Responsibilities include:**

- Maintaining on-site records as required
- Managing control of pipeline installation while monitoring the completed work for compliance with the contract drawings, including specifications

**Qualifications** - Experience with all materials and systems included in the construction of this project, including PVC, steel and ductile iron water mains, complicated highline systems, force main and gravity sewer systems, structural and surface demolition, pressure reducing stations, and large diameter storm drain facilities. He has worked with nearly every major municipality in San Diego County and is familiar with all major specification manuals concerning underground construction. **Elan's project experience includes:**

- City of San Diego MACC TO 1: Group Job 946 and 949
- City of San Diego Alvarado Trunk Sewer, Phase 3A, Design-Build
- City of San Diego Famosa Accelerated Water & Sewer Replacement
- City of San Diego Water Group Job 909
- City of Chula Vista Eastlake Parkway Sewer Connection
- City of San Diego Otay II Pipeline North Encanto Replacement

**BOBBY KOSTYRKA (TC)**

**General Superintendent, QA/QC/SWPP Supervisor**

**Years of Experience:** 16  
**Certifications/Registrations**  
 AGC Construction Supervisor,  
 Construction Law, PM; OSHA,  
 Certified Competent Person,  
 Confined Space Awareness,  
 OSHA 10 Hour; QSP Certified;  
 SWPP Certified

Bobby will coordinate construction crews, subcontractors and in-house construction services. **Responsibilities include:**

- Scheduling/directing subcontractors on job site
- QA/QC for all field work
- Leading/managing the SWPP
- Monitor and manage project BMP's

**Qualifications** - Experience includes work with HDPE, concrete, steel and PVC water mains; and large diameter storm drain facilities. He has worked with the City of San Diego and numerous other municipal agencies throughout San Diego County. **Bobby's project experience includes:**

- City of San Diego MACC TO1: Group Job 946 and 949
- City of San Diego Alvarado Trunk Sewer, Phase 3A, Design-Build
- City of San Diego Water and Sewer Group Jobs 909, 781, Famosa Accelerated
- City of San Diego Water 42" CMLC Otay II Pipeline
- Helix Water District 48" CMLC Pipeline





**JOHN KISER (TC)**

**Safety Supervisor**

**Years of Experience:** 31  
**Certifications/Registrations**  
 OSHA 10 Hour and 30 Hour  
 Construction Safety and Health;  
 OSHA 40 Hour Safety Training  
 EM385-1-1; CPR/ First Aid  
 Training; AGC Safety Training  
 Fall Protection and Prevention

John will ensure that all safety and health regulations are met. **Responsibilities include:**

- Safety policy development
- Safety inspections
- Safety training
- Maintaining compliance with Cal/OSHA and Federal OSHA

**Qualifications** - Experience includes, underground water, sewer, and storm drain pipelines and systems, concrete structures, as well as projects requiring complex shoring systems. His construction experience affords an awareness of diverse hazard conditions, the ability to recognize potential safety issues, and, to provide on-the-job and classroom training for construction personnel. **John's project experience includes:**

- City of San Diego MACC TO1: Group Job 946 and 949
- City of San Diego Alvarado Trunk Sewer, Phase 3A, Design-Build
- City of San Diego Water and Sewer Group Jobs 909, 781, Famosa Accelerated
- City of San Diego Water 42" CMLC Otay II Pipeline
- Helix Water District 48" CMLC Pipeline

**JOHN HARRIS, PE**  
**(Michael Baker)**

**Design Manager**

**Years of Experience:** 38  
**Certifications/Registrations**  
 Civil Engineer, CA, 38217  
**Education:**  
 MS/BS, Civil Engineering  
 Design-Build Workshop, 2008,  
 EGCA

John will lead the engineering design efforts and be involved in project meetings with the City and TC throughout both the design and construction phases. **Responsibilities include:**

- Overall responsibility for all design work
- Review of design
- Coordination of design services with TC's construction team
- Corporate liaison between Michael Baker and TC

**Qualifications** - Experience includes system evaluation, design, construction management, value engineering, economic analysis, environmental documentation, and permit preparation and processing. **John's project experience includes:**

- City of San Diego MACC TO 1: Group Job 946 and 949
- City of San Diego Alvarado Trunk Sewer, Phase 3A, Design-Build
- City of San Diego Water Group 554 and 555 Design-Build Projects
- City of San Diego South Mission Valley Trunk Sewer Replacement
- City of San Diego Harbor Drive and Lindbergh Field CIP Replacement
- City of San Diego Torrey Pines Road / La Jolla Boulevard Water Main Replacement
- City of San Diego Black Mountain Road Water Pipeline Design-Build





**JOEL BOWDAN, PE**  
**(Michael Baker)**

**Project Engineer**

**Years of Experience:** 23

**Certifications/Registrations**

Civil Engineer, MI, 43324  
 Civil Engineer, CA, 71693

**Education**

BS, Civil Engineering

Joel will be responsible for the day-to-day design efforts, including CAD standards conforming to City guidelines, development of plan and profile sheets, horizontal alignment index, construction BMPs, construction details, pavement restoration and location of new/replacement pedestrian ramps.

**Responsibilities include:**

- Coordinating with utility companies during the plan check process to identify any conflicts

**Qualifications** - Experience in design, construction, and management of water and wastewater infrastructure, project management; quality control, environmental management; and design of projects comprised of public utilities, pipelines and pump stations, radar tower installations, commercial, residential, and water and wastewater treatment facilities. *Joel's project experience includes:*

CAL-AM SR-75 & Georgia Street Water Main Improvements: Project Manager

- Pechanga Water System Capital Improvement Program
- CAL-AM Palm Avenue Water Main Improvements
- San Nicholas Island Water System Study
- City of Escondido A-3 Tank Demo and Water Main Replacement

**KYLE WOOD, EIT**  
**(Michael Baker)**

**Design Engineer**

**Years of Experience:** 5

**Certifications/Registrations**

Engineer-In-Training, CA

**Education:**

BS, Civil Engineering

Kyle will provide design support and ensure that Facility Design Guidelines are upheld in the design process. He will also work with the City and TC throughout the design and construction processes

**Responsibilities include:**

- Coordinate with the City and TC to implement any design changes or comments
- Provide schedule for design submittals and comment responses

**Qualifications** - Experience in sewer and storm drain inspections and evaluations. Mr. Wood works closely with Michael Baker's pipeline assessment group in sewer and storm drain database management, pipeline assessment, pipeline repair and cost estimating. He has evaluated and reviewed over 100 miles of sewer and storm drain pipelines. *Kyle's project experience includes:*

- Rancho California Water District, Sewer Video Survey and Condition Assessment
- City of Avalon, Sewer Collection System Rehabilitation and Repair Program
- City of El Cajon, Sewer System Inspection, Repair and Rehabilitation Program
- Port of Long Beach Sewer Master Plan
- City of Santee, CMP Storm Drain Pipe CCTV Inspection/Condition Assessment
- City of El Cajon, CMP Storm Drain Pipe CCTV Inspection/ Condition Assessment





**NEVA COBIAN**  
**(Michael Baker)**

**Permitting**

**Years of Experience:** 26

**Certifications/Registrations**  
 Professional Land Surveyor, CA

**Education:**  
 Coursework, Boundary  
 Control/Geodetic Survey

Neva will be responsible for project coordination and processing of permitting through the City of San Diego.

**Responsibilities include:**

- Preparation of submittal packages
- Processing plans

**Qualifications** - Experience includes overseeing the preparation of submittal packages for improvement plans, grading plans, and building plans and submitting these projects through various government agencies, including the City of San Diego, Caltrans, and the County of San Diego. *Neva's project experience includes:*

- 69th and Mohawk Pump Station and Pipelines
- Various Traffic Control Plans through the City's Traffic Department





**Committed Key Subcontractors and Subconsultants**

Our clients have come to understand that we will meet our goals by contracting with firms who provide significant contributions to their projects. Supporting our team, providing these specific services, will be the following firms:

**Vic Salazar Communications** is where leaders in San Diego turn to for Public Relations expertise. The firm develops and services community outreach campaigns for Fortune 500 companies, small businesses, non-profit organizations and government entities and has become the firm of choice for engineering and design firms to manage community outreach for public works projects. Vic Salazar Communications is experienced in fulfilling the scope of work for community outreach for this project. The firm is currently providing community outreach services for many of the City’s biggest water and/or sewer pipeline replacement projects:

- MACC TO 1: Water Group Job 949 & Water and Sewer Group Job 946
- MACC TO 2: Sewer and Water Group Job 814
- Water Group Job 944
- Sewer and Water Group Job 758, 695, and 820



**Community Liaison**

City of San Diego  
 Certified ELBE

**Hudson Safe-T-Lite Rentals** has over 50 years of experience designing traffic control plans, handling traffic through and around construction areas, and providing traffic control devices for rent or purchase. Hudson provides immediate response with on-call service 24 hours a day, 7 days a week. The company prepares traffic plans and provides all required devices, and its technicians route traffic safely through lane closures, detours, and street and freeway closures. If field conditions warrant a change in plans, Hudson’s technicians are trained to adjust as necessary to adequately safeguard the public. Alternatively, the company can deliver devices to the jobsite and pick up at the job’s completion.



**Traffic Control Plans  
 (Low Volume Streets)**

City of San Diego  
 Certified SLBE

**Global Environmental Network, Inc. (GENI)** has been offering a broad range of environmental, health, safety and industrial hygiene services for over 19 years. Their staff is comprised of Certified Industrial Hygienists, Certified Asbestos Consultants, Lead Inspectors, Safety Specialists & Auditors, Geologists, Civil / Environmental Engineers, and Highly Skilled EH&S Instructors. GENI’s team of stormwater specialists provides Storm Water Pollution Prevention Plans (SWPPP) QSD / QSP Services and training for a myriad of project types. GENI develops comprehensive, practical and cost effective SWPPP’s and its staff is experienced in all stages of development process from initial concept to final completion to ensure compliance with stormwater regulations.



**Storm Water Pollution  
 Prevention Plans**

California Certified  
 DVBE



**Photo Geodetic Corporation** provides high quality aerial mapping services for planning, engineering, and research projects. Photo Geodetic’s reputation for precision mapping and the ability to produce an accurate, detailed product keyed to the specialized needs of their clients. Photo Geodetic Corporation specializes in providing large-scale digital design mapping with high accuracy requirements and/or unique specifications.



**Aerial Survey**

City of San Diego  
 Certified ELBE

**VO Engineering** is a geotechnical engineering firm with 26 years of experience. Responsibilities included management of geotechnical engineering divisions; laboratory and field testing during design and construction phases; and analyses with state-of-the-art geotechnical and geoseismic computer software. Consulting services have been provided for municipalities, power and utility, telecommunication, public works, institutions, commercial, and residential developments, as well as forensic projects. VO’s experience includes:



**Geotechnical Engineering**

City of San Diego  
 Certified ELBE

- City of San Diego MACC TO 1 Group Job 946 & 949, Fox Seismic Retrofit, Fletcher Building Remodel, Torbati Parking Structure Expansion
- City of Carlsbad College Avenue Potable Water Line
- City of Encinitas Sewer Improvements
- City of Carlsbad As-Needed Geotechnical Engineering Services

**Accessibility Specialists** is a local company in Rancho Bernardo, focused on identifying issues of compliance and ensuring the design is in conformance with the most current federal, state, and local accessibility regulations. Ms. Sandra Miles is the Principal of Accessibility Specialists and is a Certified Access Specialists (CAsp) and ICC Certified Accessibility Inspector/Plans Examiner offering a full range of accessibility compliance services. She has been providing civil design services for the last 25 years and accessibility compliance within the County of San Diego for the last 15 years and has coordinated many projects with City staff and provided educational seminars to the City’s Office of ADA Compliance and Accessibility.



**Pedestrian Ramp Design**

City of San Diego  
 Certified ELBE



**OTHER SUBCONTRACTORS GIVEN THE OPPORTUNITY TO JOIN OUR TEAM**

G. Scott Asphalt	Kirk Paving
YBS Concrete	Crest Equipment
Affordable Drain Service	Rentex Construction
Salzano Engineering	Dick Miller Inc
Luzaich Striping, Inc.	Pullman Engineering
Transtar Pipeline	Falcon Construction
Pro-Tech Plumbing	Zebron Contracting
Perry Electric	Olympic Engineering
Select Electric	Falcon Construction
Cook & Schmid	Pavement Recycling Systems
Ayala Boring	Mocon Construction
Southwest Pipeline	Solid Structures
A.B. Hashmi	Ace Pipelining
Arrow Pipeline	Coastal Pipeline
Tharsos Construction	Transtar Pipeline
Tri Group Construction	Vailston Company
WG Construction	Wier Construction
JDS Plumbing & Mechanical	Cromwell Construction



## Technical Approach and Design Concept





## 6. Technical Approach and Design Concept

### 6.1 Proposed Design Concept

Installation of potable water mains within well-developed areas of the City requires a coordinated plan to address the major technical elements associated with the project. The scope of work for **Sewer and AC Water Group Job 778** will require this work to be performed in primarily residential zones, adding the challenge of coordinating construction to minimize impacts to the local community. Furthermore, the design-build delivery method selected for this project will facilitate the necessary coordination among disciplines to ensure a successful project.

While some of the technical elements of this project may be unique to the nature of mostly residential land use, others are common to every pipeline group job awarded by the City. Separation of potable water mains from non-potable utilities tops the list of critical design elements due to its bearing on public health and life safety. Additional information regarding our team's design approach to this issue, as well as others, will be discussed in more detail in the sub sections below.

Michael Baker's designers and TC's construction team will work together from the outset of the project to address the technical challenges of this project in a cost-efficient manner. Our technical implementation plan will be coordinated with the City's project team and other affected City departments.

### 6.2 Key Technical Design Elements

#### 6.2.1 Pipeline Alignment, Sizes, and Locations of Appurtenances

**Water** - The need to ensure the safety of the public water supply is of the highest priority to the TCDB Team. We understand that when buried potable water mains are in close proximity to non-potable pipelines, the water mains are vulnerable to contamination that can pose a risk of outbreak of waterborne diseases. The most effective protection against this type of potable water contamination is sound construction techniques and adequate separation of public water mains and other pipelines carrying non-potable fluids.

The California Water Resources Control Board Department of Drinking Water (DDW) and the City require that new water mains are to be constructed a minimum of 10-feet horizontally (measured from outside of pipe to outside of pipe) from any parallel pipeline conveying non-potable flow. However, the DDW will review design plans on a case-by-case basis that show a new water main to be constructed less than 10-feet but greater than 4-feet from a parallel pipeline conveying storm drainage or sewage provided the new water main is constructed with alternate construction criteria, such as using DR 14 rated pipe. We understand that the City requires such designs to receive approval from DDW before being allowed to be constructed on any project and TCDB Team has been successful in receiving such approvals in the past. In all cases we will attempt to achieve the required 10-feet of separation before going the route of seeking DDW approval for using alternate construction criteria.

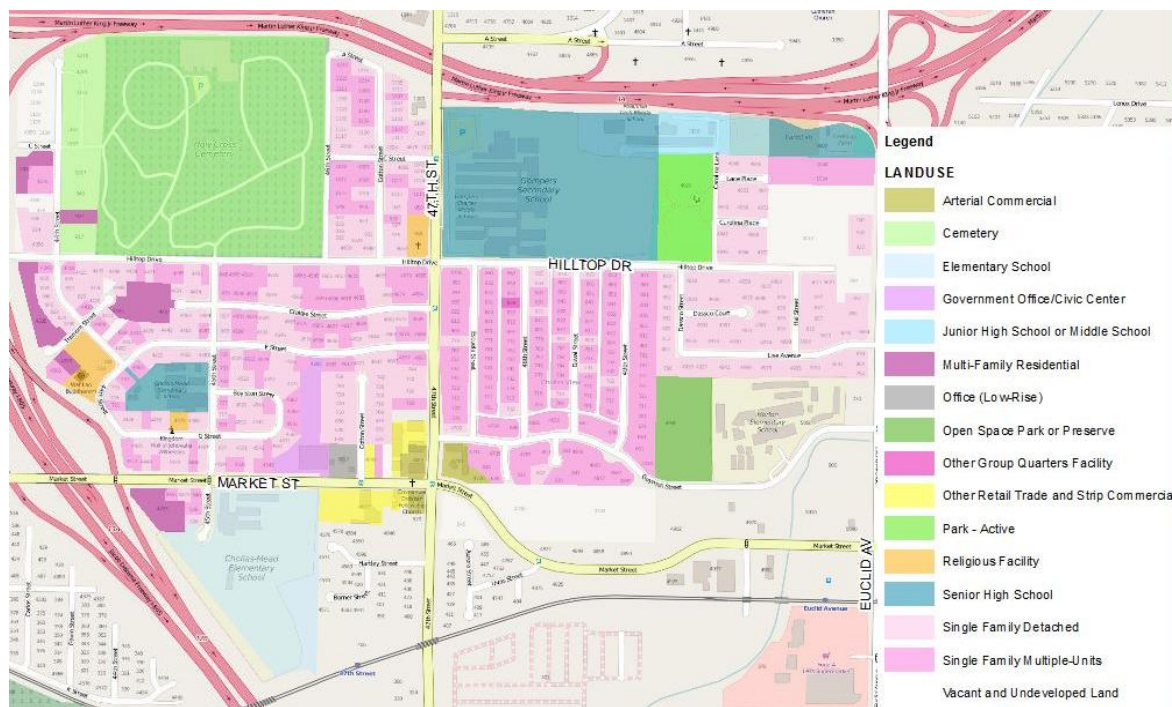


**MACC Task Order No. 02**  
**Sewer & AC Water Group 778**



The design approach for the water aspect of **Sewer and AC Water Group Job 778** involves the replacement of approximately 27,000 LF of 8- and 12-inch water main. Nearly 30% of the water lines associated with the project will be abandoned as they are located outside of the traveled way. All of the water line abandonment work will take place west of 47th St. The remainder of the project will involve replace-in-place installation of 8-inch PVC pipe and removal of 6- and 8-inch AC pipe. Abandonments will be performed by cutting and capping the existing mains.

Fire hydrant spacing in the area is currently inadequate. Much of the project area requires 350-foot separation between hydrants due to the presence of schools, multi-family residences, and commercial buildings. Residential areas with single-family homes will require 450 feet of separation for hydrants. New hydrants have been added per the 60% design provided by the City. These locations will be incorporated to provide adequate hydrant spacing.



*Land use within the project area*

Our approach relies on a comprehensive understanding of the project area and the need to maintain service to the residences adjacent to the project through construction. It is our recommendation to use cut-in tees which reduce the number of cut and plugs needed allowing critical portions of the system to remain in service. **Maintaining service through construction whenever possible is a top priority as service interruptions create a major inconvenience for residents and can create a negative public perception for the City.** Locations that have been identified for cut-in tees include the intersections of: 47<sup>th</sup> Street and Hilltop Drive, 47<sup>th</sup> Street and Guymon Street., Hilltop Drive and Escuela Street, Hilltop Drive





## MACC Task Order No. 02 Sewer & AC Water Group 778



and 48<sup>th</sup> Street, Hilltop Drive and Duval Street, Hilltop Drive and 49<sup>th</sup> Street, and Euclid Avenue and Lakiba Palmer Avenue. Allowing the pipes on Hilltop Drive and 47<sup>th</sup> Drive to remain in service during construction will maintain service to a number of residences along those streets as well as Chollas View United Methodist Church and Gompers Preparatory Academy.

Air valves and blow offs will be installed at high points and low points throughout the alignment respectively per Section 3.5.2 of the City of San Diego Facility Design Guide. One-inch air valves and two-inch blow offs will be installed on pipelines up to 16- inches in diameter.

**Sewer** - Sewer replacement will be performed on over 26,000 LF of existing sewer main as noted in the RFP. A large portion of the sewer system is currently located in easements behind properties. The primary goal of the sewer replacement aspect of this project is to remove sewer from easements and relocate it to the public right-of-way for greater ease of access for maintenance. All sewer improvements will be designed in accordance with the City's sewer design manual, approved materials list and 2016 City of San Diego's Standard Drawings for Public Works Construction.

New SDR 35 pipe is proposed for the sewer main installations, though depth of cover and pipe loading will be evaluated in each situation to confirm this strength classification. Several segments of sewer main have been identified as SDR 26 pipe due to depth of cover and proximity to water mains. We will work with the City to provide sufficient documentation to allow sewer laterals to be connected to the sewer at a depth exceeding 15 feet. Pipe bedding will be 3/8-inch rock throughout the pipe zone and if groundwater is present, the pipe zone shall be dewatered and encased in filter fabric.

In addition to the 26,000 LF of new and replacement pipe, the project will require over 14,000 LF of replumb work for properties that are currently tied into easement sewers. These replumbs provide the greatest challenge on this project. Coordination with homeowners will be of paramount importance during the replumb work to ensure that property damage is minimized and that improvements to the plumbing system are made to the property owners' satisfaction. Our team will prepare pre-construction plans of existing improvements, which will then be used to restore any damage that may have occurred during construction. We propose to minimize impact on private property by using manual excavation at connection points and a combination of open cut via mini-excavator.

Rehabilitation of approximately 1,400 LF of sewer will be performed on existing 10-, 12-, and 15-inch sewer that will remain located in easements east of the I-805 NB on- and off-ramps. All rehabilitation work will be performed in accordance with Section 500 of the WHITEBOOK. CCTV inspections will be used to determine the extent of the repair work. The process used to rehab the existing mains will be CIPP.

We always strive to be  
good neighbors  
and will  
accommodate the  
community.





### 6.2.2 Traffic Control Approach

This plan will also be developed in conjunction with the phasing plan. Traffic control elements such as lane closures, no parking zones and sidewalk closures will be developed with the assistance of the City's Traffic Department and the Field Engineering staff. All traffic control plans will be submitted through Field Engineering as 11x17-inch sized shop drawings. Our designer, Hudson Safe-T-Lite, has extensive experience preparing similar plans for City Water and Sewer Group Jobs. Traffic control plan elements will also consider impact to the nearby schools.

There are several narrow streets where the work area is extremely limited. Our goal will be to keep one lane open on major thoroughfares such as Market Street, 47th Street, 45th Street and Hilltop Drive at all times with the assistance of flaggers. Where this goal cannot be met – particularly on G Street – on the interior residential streets we will close the street, but maintain access for residents.

### 6.2.3 Quality Assurance/Quality Control Plan

The design review process implemented for this project will incorporate an intensive in-house review, constructability review and subconsultant peer review, in addition to the milestone submittal reviews performed by the City. The in-house review will follow the Quality Assurance/Control Plan developed specifically for this project and utilize an ongoing "over the shoulder" involvement of the Design Manager/Project Engineer and the Project Manager. Our QA/QC plan will be consistent with the standards employed by the City's QC Division.

The Construction Manager and his staff will provide constructability input. Community and environmental impact issues will also be identified early to assure that those impacts are minimized and communicated through community outreach efforts and comply with environmental clearance documents.

Specific elements of the QA/QC will include the following:

- Review of pipeline design plans and details.
- Coordination of traffic control plans with pipeline design plans to ensure phasing schemes are consistent.
- Review and confirmation of hydraulic calculations.
- Review and confirmation of trenchless design calculations.
- Coordination of street resurfacing, water quality and horizontal control alignment plans for consistency with pipeline plans.
- Check that all reference documents are in conformance with the RFP

Prior to each design milestone submittal, Design Manager, Karl Meier, PE, will perform a QC review of the documents consistent with the submittal level

The review will focus on the submittals compliance with City design standards, CAD drafting standards and constructability. This step will also identify any issues which may require a City variance. Those issues will be documented separately and specifically brought



to the City's attention. This is a critical step in allowing the City review process to be efficient and expeditious. Karl will coordinate this effort with John and the rest of the design team and will maintain a review and comment form to track comments and ensure their resolution.

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**Recent work on the first MACC Task order (Group Job 946 and 949), Groups 816 and 1016, MACC Task Order #15 - Sorrento Mesa Recycled Water Main, Alvarado Trunk Sewer Phase 3A, Harbor Drive Water Line Replacement and Water Group 554 and 555 projects will provide the TCDB Team with a quick start on CAD drafting and design standards.**

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Upon receipt of the City's milestone submittal comments, appropriate revisions will be incorporated into the construction documents. In addition, a log of comments will be created and a report prepared indicating the disposition of the comment. The report will be delivered along with the next milestone submittal. The typical City milestone submittal schedule will be followed during this project. However in this projects case since there is already a 60% design and plan prepared, it is hoped that sufficient pipeline design and detail will be complete at the 90% milestone to justify the City issuing a "Notice to Proceed", allowing construction to commence. If this can be accomplished, a significant time savings will result.

A final QC effort will be performed during the preparation of the as-built drawings. This process will use the red-line mark-up drawings maintained by the TCDB Team during construction and approved by the City's Resident Engineer. Once the changes are shown on the design drawings, the QC engineer will review the corrections for compliance and issue a draft set to the City's Project Manager for review.

#### **6.2.4 Paving Restoration**

All pavement removed during trenching operations will be restored in accordance with the applicable standard drawings of the City of San Diego, which are based on the street classification and the type of pavement that was removed. 10-inch deep full depth AC patches in accordance with Standard Drawing SDG-107 Type "1" are proposed for asphalt streets. Market Street and 47<sup>th</sup> Street will require 12-inch deep trench patches due to their classification as major roads in SanGIS. Traffic loops will be installed at three intersections throughout the project area: 47<sup>th</sup> Street and Market Street, 47<sup>th</sup> Street and Hilltop Drive, and 45<sup>th</sup> Street and Market Street.

Following trench patching, all asphalt surfaced streets within the project areas will be resurfaced per Addendum #1 response which states to resurface per the preliminary assessment on plan sheet C-39. For areas that are designated to receive slurry seal, it will be applied per the general slurry seal requirements document provided in the bridgings docs, Type I over Type III for residential streets with frontage and Type III only for residential streets without frontage and all non-residential streets including industrial, collector, major and larger streets. Existing striping will be replaced in kind except at lighted intersections where the existing crosswalks will be replaced with continental crosswalks per Standard Drawing SDM-116.



### **6.2.5 Water Highlining Plan for Each Site**

This plan will work with the phasing plan to identify the locations of temporary cut and plugs, cut-in tees and cut-in cross locations, which the TCDB Team will install to isolate segments under construction.

The cut and plug plan will include pressure testing, disinfections and flushing procedures, and thrust restraint measures. Highline plans will be developed for each site and coordinated with the Fire Department for approval.

Cut and plugs will be provided on branch lines to allow the pipeline work to proceed. The branch lines will be replaced beyond the curb return on the intersecting streets and the cut and plugs locations will be coordinated accordingly. Where possible, highlines will be fed from hydrants located on branch lines that remain in service during construction. When this option is not available, highlining will be performed in 1,000-foot increments to provide fire flow if necessary.

Locations of cut-ins will play a major role in determining the phasing of the project. Cut-in tees, crosses, and valves will be installed wherever possible to limit disruption to water service on adjacent streets.

### **6.2.6 Phasing of Design and Construction Work of Each Site Separately**

Phasing of the project will be developed with an emphasis on reducing impact to local residents in the Chollas View area. While many of the streets in the project area are low-traffic and used primarily by the local community, we will work with local residents to reduce traffic impacts and water service transfer times.

The TCDB Team proposes to complete segments sequentially to avoid any overlapping impact of working on multiple segments simultaneously. A surface restoration crew will follow the pipeline crew to complete all surface restoration work. The preliminary project phasing plan is included with the project schedule enclosed with this proposal and will be updated as part of the 90% design submittal package.

### **6.2.7 Curb Ramp Design and Installation**

New curb ramps and curb ramp modifications will be provided per plan sheet C-39 and as developed through our site investigations during the preparation of this proposal. Additional curb ramp upgrade sheets will be included in the design drawings if necessary and will include design details to ensure compliance with the latest ADA standards.

Based on the preliminary curb ramp sheet, we have identified a total of 21 curb ramps that need to be replaced and 14 locations where new curb ramps should be installed as well as some driveway, sidewalk and curb and gutter work.



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**Recent work on the MACC Task Order No. 1 (Group Jobs 946 and 949) and Harbor Drive Pipelines project required a number of site specific design elements to remove or alter existing improvements, such as drainage inlets and the performance of ramp reconstruction at the required elevations to meet longitudinal path of travel and cross slopes. The TCDB Team performed similar improvements in 2012 as part of the Design Build Balboa Park and Mission Bay Park parking lot upgrades projects. Existing historic stamps encountered along the various project sites will be protected or cast back into sidewalk improvements.**

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### **6.2.8 Phasing and Coordination with Adjacent Projects**

We plan to work closely with the City's Design Division to devise the phasing plan that meets the needs of all parties and results in an efficient construction operation. The plan will also consider other City projects within the limits of this project, as applicable. Based on the bridging documents provided with the RFP, coordination with Hilltop Drive Utility Undergrounding 616 and City Street Light GF Group 15. These projects are scheduled to begin construction in 2017. We will coordinate with these projects to reduce impacts to the local community including nearby schools such as Gompers Preparatory Academy and Chollas Mead Elementary.

### **6.2.9 Storm Water Pollution Control Best Management Practices**

The TCDB Team is intimately familiar with the need for, and importance of, installing appropriate BMP's for linear construction projects. We have an outstanding track record for installing and maintaining BMP's on similar City Water and Sewer Group Job projects, and is knowledgeable of the City's specification for storm water and erosion control measures.

Water pollution control plans will be developed for the entire project site to show the location of existing drainage facilities, direction of flow and proposed BMP measures. These plans will be included in the Water Pollution Control Plan (WPCP) that the TCDB's selected DVBE sub-consultant Global Environmental Network will prepare for the project. TC crews will perform street sweeping on a routine basis and in advance of all forecasted rain events.

The TCDB Team will also pledge to maintain the BMP's once installed and work diligently before, during and after rain events to ensure BMP's do not cause flooding or impact travel lanes. Damaged BMP's will be restored routinely. During cut and plugs we will cover all surrounding drainage inlets and will pump muddy water into water trucks and haul off site for proper disposal.

### **6.2.10 Subsurface Investigation and Geotechnical Work**

Potholing of existing utilities will be performed during the design phase of the project following mark-out by USA Dig-Alert. All potholing work will be performed by TC's in-house crews at the direction of the TCDB Team. A pothole log will be provided to the City Resident Engineer. Potholes will be surveyed and tied to the project survey file provided by the City.





Geotechnical work will be performed by our ELBE subcontractor, VO Engineering. Borings will be taken at several locations throughout the project area due to the depth of cover for sewer. A total of ten (10) borings are included in the scope of work. Areas of particular interest include locations where the sewer extends deeper than 15 feet and locations where groundwater may exist.

### **6.2.11 Proposed Design Schedule**

The proposed detailed design schedule can be found in section 7.3.

### **6.2.12 Estimates of Proposed Design and Construction Quantities**

- Additional Bedding – 500 CY
- Imported Backfill – 2,500 Tons
- Asphalt Pavement Repair – 5,000 SF
- Additional Curb & Gutter – 500 LF
- Additional Sidewalk Removal & Replacement – 1,000 SF
- Additional Pavement Removal & Disposal – 100 CY

### **6.2.12a Additional Estimated Quantities of Incidental Work**

In addition to the above estimated quantities, as an added value to the project the TCDB team has included the following additional incidental items as it seemed prudent for the projects successful completion:

- Crack Sealing – 15,000 LF
- Cross Gutter – 600 SF
- AC Pavement Restoration Adjacent to Trench – 2,000 SF
- Temporary Resurfacing – 2,500 Tons
- Survey Monument Reestablishment – 6 EA
- Concrete Paving 1,200 SF





## Construction Plan



## 7. Construction Plan

### 7.1 Proposed Construction Plan

Construction of the Sewer and AC Water Group 778 project will require an integrated approach of the TCDB Team, City OPS staff, and City Field Engineering. While the project is mostly linear, it will require coordination and look-ahead planning. This, combined with the experience gained on similar projects, allows for a successful outcome.

The TCDB Team Construction Plan includes a number of key elements that will be employed to expedite the completion of the project and minimize impacts to the community. Specific construction elements include:

#### 7.1.1 Construction Approach and Methods

We propose to begin construction immediately following the approval of the first set of 90% plans. During the design phase of this section, TCDB will:

- Complete the submittal review process for all materials (a letter of record for all proposed materials that are on the City approved materials list will be submitted)
- Obtain approval of our detailed project schedule
- Obtain approval for the traffic control plans
- Prepare and obtain approval of the WPCP
- Complete required potholing of existing utilities
- Hold the initial community group meetings with the identified stakeholders

The selected sub-consultant Loveless and Linton will have a pre-construction focus meeting with MMC to discuss any potential impacts to environmentally sensitive resources. Monitoring and mitigation will be conducted per the MND and MMC's recommendations.

We understand the importance of these pre-construction activities and will have them complete at the same time as the design plans are approved for construction. Through the process of constructing the first MACC task order (GJ 949 and GJ 946) the TCDB Team has learned many valuable lessons that will aid in a smooth start and quick transition through design and construction.

We propose to have multiple crews working within each area, including:

- BMP/WPCP implementation and maintenance crew
- Layout and Potholing crew
- Saw-cutting crew
- Pipeline installation crew
- Service crew
- Paving crew
- Clean-up crew



*TCDB installs deep sewer mains in a residential neighborhood.*



### **Major Equipment to be used:**

- Compressor Dump Truck and or Vacuum Truck – for potholing operations
- Sawcutting Truck with vacuum attachment – for sawcutting of pavement and cleanup of slurry waste
- Caterpillar 320E, 313B, Komatsu PC150, LinkBelt 210LX, Linkbelt 460LX, Komatsu PC600, Linkbelt 800LX – for removing AC pavement, trenching, installing and backfilling of water and sewer mains
- Mini Gehl 502, Komatsu Mini PC60 for sewer lateral replumbs
- Caterpillar 420 and/or 446 rubber tire backhoes – for trenching and backfilling of water services and appurtenances, installing valves and fittings and sewer laterals
- Caterpillar Skid Steer 248 & 272 – for moving of dirt, debris and street sweeping
- Caterpillar 938G, 950G and Kawasaki Z70 Loaders – for moving of dirt, debris, loading and placement of spoils and trench zone materials
- Schwartz 6000 Street Sweeper – street sweeping and WPCP compliance
- Ford 2500 gal and 4000 gal water trucks – for dewatering and haul off of partially full pipelines after cut and plugs
- Peterbilt Superdump booster trucks and end dumps - for haul off of dirt spoils and hauling in of bedding and pipe zone materials and asphalt
- Bomag and Caterpillar small width rollers – for AC trench paving
- Concrete pump – for filling of existing mains with CLSM

#### **7.1.2 Plan for Operation of Facility During Construction**

For water mains TCDB crews will install temporary 2-inch highlines above and below ground where necessary to isolate existing systems designated for replacement. The highlines will be disinfected and tested per City guidelines and temporary service transfers will be installed to keep all customers in service. Once highlines and temporary services are complete Crews will cut and plug the existing mains so that the proposed sections of pipelines can be removed and replaced. Work will be performed during the hours of 8:30am to 3:30pm. Items such as cut and plugs, connections and service transfers may be performed at night, if directed by the Resident Engineer to minimize any impact to residents. Night work will be communicated by our Community Liaison and associated noise permits will be obtained.

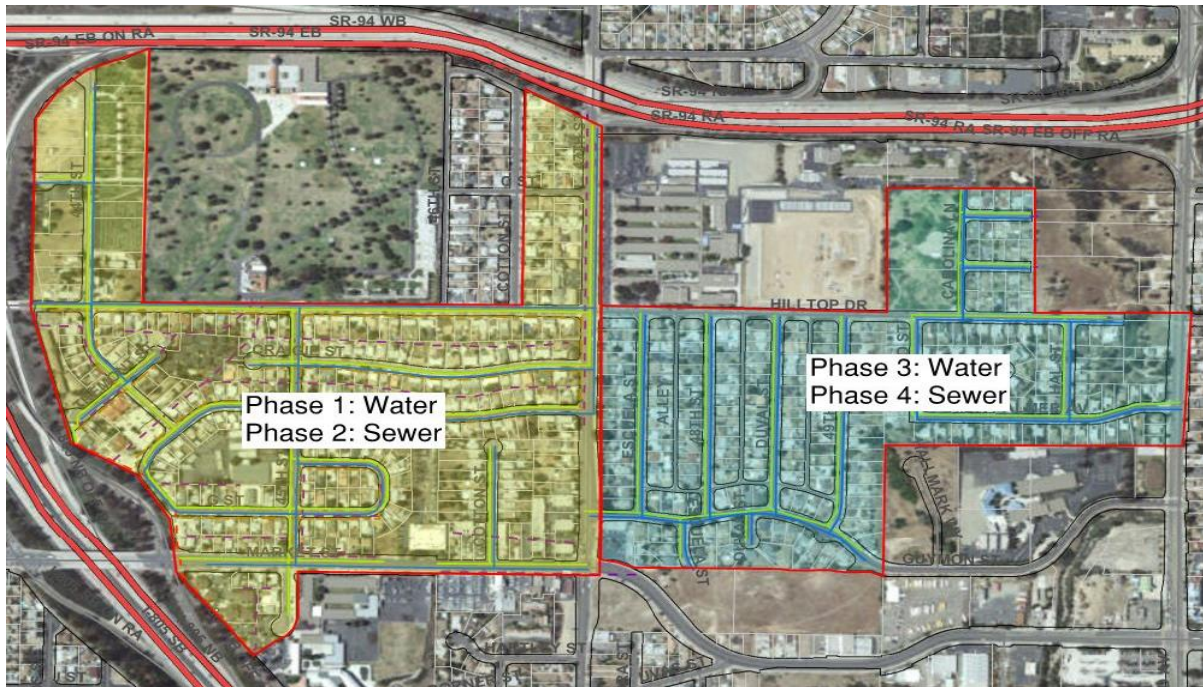
For sewer mains TCDB crews will install 4-inch to 8-inch redundant pumped sewer bypass systems per the approved sewer bypass submittal. Existing sewers will be bypassed from manhole to manhole while TC crews replace the sewers in between. All mains will be televised in advance to record locations of all known and unknown sewer laterals to ensure they are all reinstated. Laterals will be temporarily reconnected with caulder couplings and flexible hoses to the new saddle wye's as the new main is installed so that sanitary sewer service is not interrupted for the homeowners. Lateral crews will follow behind and replace all sewer laterals and install new sewer cleanouts after the main has been installed. Sewer laterals needing replumbing will be connected to the new mains and the portions in the alley ways or easements will then be abandoned.





### 7.1.3 Plan for Phasing of Construction Activities

Detailed project phasing will be developed during the design phase based on the cut and plug plans. Before any phasing is finalized the TCDB Team will meet with the RE and City PM team to discuss project phasing and take input and recommendations from City staff, and devise a mutually acceptable final phasing plan. **We anticipate four total phases, two sewer phases and two water phases (Figure 4).** The phases will be divided by 47<sup>th</sup> Street with both sides of the street consisting of a water and a sewer phase.



*Figure 4: Construction Phases*

Since sewer is the deepest utility, all sewer mains and laterals will be constructed in advance of the water mains. Sewer mains in and around schools will be scheduled for construction during summer and winter vacation periods to minimize disruption. For the remainder of the sewers work will generally begin at low points and outfall locations and work will proceed towards the higher elevations. Detailed phasing plans will be developed during the 90% design phase in conjunction with City input and any preferences based on the cut and plug plans.

For all phases of work there will be a separate service lateral and appurtenance crew that finishes up the previous phase after the mainline crew moves on.

At this time the schedule shows a three month early finish with the City's acceptance to allow work to commence after 90% plan approval. As previously mentioned, the TCDB Team will work together to develop this plan and obtain approval from City staff. Our interaction during the design phase allows the implementation during construction to proceed smoothly.



Our surface restoration and ADA upgrades crews will follow behind the pipeline crews to immediately complete the work along each street.

#### **7.1.4 General Plan for Functional Testing and Start-up**

Functional testing of all new pipelines will be performed within each project phase concurrently while mainline crews transition to the next phase of the project. All service transfers will be completed following the functional testing.

#### **7.1.5 Proposed Safety Program**

**Safety awareness is the key to a successful project.** The TCDB Team has adopted proven methods that stress the importance of our safety culture. For example, **all new employees wear yellow hardhats, registered apprentice's wear orange hardhats, while seasoned employees wear white hard hats.** This difference enforces the need to pay special attention to these individuals until they are full journeymen in their respective trade.

TCDB has developed a comprehensive program that defines the roles of management and employees for providing a safe work environment. **Our program:**

- Defines formal responsibility for accident prevention
- Provides accident prevention policies and training for both supervisors and employees
- Establishes guidelines for pre-project planning including all applicable regulations
- Outlines specific requirements and checklists for conducting daily job site safety inspections
- Includes education regarding emergency procedures and location of urgent care facilities
- Provides educational material for holding daily and weekly Tailgate Safety Meetings
- Includes strict policies and procedures for investigating and reporting accidents
- Includes a drug and alcohol testing program that includes pre-employment, post-accident and testing for cause
- Provides an employer provided Employee Assistance Program
- Recognizes significant improvement and continued success in safety performance

In essence, the project **will proceed sequentially** as a number of individual projects with **each individual phase receiving approval from the Resident Engineer.**

Safety training is conducted in English and Spanish by in-house instructors. The staff includes three OSHA Outreach Instructors, two Equipment Instructors and a Fleet Instructor who provide employees with scheduled training and on the job mentoring. Job specific safety is a weekly activity topic of our Tailgate Safety Meetings.



A detailed project-specific Safety Plan will be presented upon contract award.

### **7.1.6 Proposed Emergency Response Plan**

A key element of our site specific-safety plan is the Emergency Response Plan. We recognize that there are inherent risks associated with infrastructure construction and a proactive emergency response is critical to effectively and safely deal with emergency situations. Our project specific emergency response plan identifies the nearest hospital, fire station and police station relative to the project's location and appropriate phone numbers, recommended evacuation routes and possible hazards associated with the project.

As a standard practice, we review the location of existing high-pressure gas mains as this presents the greatest safety exposure to our employees during trenching operations.

#### **Other high-risk elements include:**

- Traffic control and working alongside busy streets
- Location of overhead electrical lines
- Underground fuel lines
- High volume traffic congested areas
- Work sites with constrained work limits
- Sanitary sewer mains and sewage spills
- Contaminated soil
- Trench shoring
- Equipment failure
- Chemical handling
- Pressure testing operations

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Our plan designates **John Kiser as our Safety Supervisor** in charge of maintaining and implementing our emergency response plan. John has more than 30 years of construction safety experience and serves as TC's Safety Director. He has worked on numerous similar infrastructure improvement projects for the City and is very knowledgeable of the City's health and safety requirements.

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### **7.1.7 Water Highlining Plan for Each Site**

Areas of replace-in-place that provides service to hydrants and fire services will be required to be monitored by a watchman to ensure that emergency services are provided if necessary. TCDB and the Community Liaison will provide sufficient notice to the local fire department and affected businesses in these situations so arrangements can be made well in advance. See also section 7.1.2 above for additional highlining plan.

All new employees, regardless of their experience, are required to attend "New Hire Safety Training."

Supervisors receive additional training for Competent Person, Trench and Excavation, Confined Space, CPR and First Aid, OSHA 10 Hour and Storm Water Pollution Prevention Program (SWPPP).





### **7.1.8 Phasing of Design and Construction Work of Each Site Separately**

The phasing of design and construction was covered in the Technical Approach and Design Concept section, and in section 7.1.3.

### **7.1.9 Proposed Construction Schedule**

The schedule in Section 7.3 identifies the proposed phasing plan mentioned above and the key milestones planned for this project. **We are proposing to complete the project three months ahead of the allowable time noted in the RFP and one month ahead on the accelerated schedule.** To help expedite the project, we are proposing to begin the materials procurement process following the 60% design phase approval and order the USA Dig-Alert mark-out service to begin 2 months prior to the start of construction.

We are proposing to complete the project **3 months ahead of the allowable time** noted in the RFP and one month ahead on the accelerated schedule.

**The goal to complete pre-construction activities during the design phase will allow for construction mobilization immediately following the final design approval.**

### **7.1.10 Traffic Control Management**

This plan will be developed in conjunction with the phasing plan. Traffic control elements such as lane closures, no parking zones detours will be developed with the assistance of the City's Traffic Department and the Field Engineering staff. Full-sized "D" sized traffic control plans are not anticipated to be necessary for any streets on this project, however should City staff wish to have "D" size sheets for any locations the TCDB Team will prepare them accordingly.

All traffic control plans will be submitted through Field Engineering as 11x17-inch sized shop drawings. Our designer, Hudson Safe-T-Lite, has extensive experience preparing similar plans for City Group Jobs. Traffic control plan elements will also consider impacts to businesses in and around the Encanto Neighborhoods and Southeastern Community Planning area.

### **7.1.11 Community Impact**

The pipelines being replaced are located in established neighborhoods and work can be inconvenient to the residents. Keeping the community informed about projects helps reduce community opposition. To the extent these inconveniences can be mitigated through good, two-way communication, the project will proceed more smoothly

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**The Key stakeholders for the Sewer and AC Water Group 778 are identified as:** the public, the City, City Mayor Kevin Faulconer, District 4 City Council Member Myrtle Cole, San Diego Unified School District, Metropolitan Transit System, Encanto Neighborhoods Community Planning Group, Wat Lao Buddharam, Chollas View United Methodist Church, Jehovah's Witness, Millennial Tech Middle School, American's Finest Charter School, Chollas Elementary School and Gompers Preparatory Academy.

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## 7.2 Project Coordination

### 7.2.1 Processes and Procedures to Ensure Work is Properly Coordinated

The TCDB Team project coordination will be the responsibility of the Project Manager, Austin Cameron, Construction Manager, Elan Schier, and Engineering Design Manager, John Harris, P.E. These individuals will work together during the preliminary design phase to identify critical design and construction elements that will be needed to meet the requirements of the RFP, City standard policies and procedures, and will set the guidelines to be followed by the rest of the team.

Austin, Elan, and John have been working together for over 14 years. Austin, Elan and John will discuss the project status at weekly meetings at TC's office. These meetings are typically supplemented by emails and phone calls through the week as necessary to ensure the project stays on schedule.

Team experience will also play a critical role in project coordination. The key individuals of the TCDB Team combine for more than 100 years of City pipeline construction experience. This collection of knowledge is our foundation to ensure proper coordination.

We have spoken with Council District 4 Chief of Staff Jimmy Slack about this project as the area is within his jurisdiction. We have worked with Mr. Slack for the Emerald Hills Standpipe Removal and Group Job 949. Mr. Slack asked that we continue with our practice of keeping his constituents well-informed of construction activity by door-hanger notices and email-updates. He said his constituents will be concerned with traffic control, noise, equipment staging areas and dirt/dust control. Council District 4 will also make their Community Newsletter available for VSC to provide project updates and VSC can also utilize the District's "199's". These letters are about one subject and only "199's" can be mailed by the Council District. All VSC needs to do is provide the content and the addresses, the postage is covered by Council office. Every notification to the public will include the Capital Improvement Project's preferred website address ([www.sandiego.gov/cip](http://www.sandiego.gov/cip)), email ([engineering@sandiego.gov](mailto:engineering@sandiego.gov)) and phone (619.533.4207).

There are two fire stations near the project alignment. Station 12 is at 4964 Imperial Avenue Station 19 is at 3434 Ocean View Drive. We spoke with Lee Swanson, the Public Information Officer for the City's Fire and Rescue Department. Mr. Swanson asked that we provide him with all street closure or detour information and he will provide the information to the Captains at both stations. Mr. Swanson suggested this process due to fact that there are multiple shifts at each station and he can easily email each Captain directly.

There are four schools in the project area. We talked to Sid Smith, the Vice-Principal of Millennial Tech Middle School at 1110 Carolina Lane. Mr. Smith said the school is on a late August to mid-June calendar. Hours are 7:30 a.m. to 3 p.m. He added that parents drop off and pick up their children in front of the school on Carolina Lane. Their summer school program lasts for one month and it begins the Monday after the last day of the regular school year.





We also spoke with Gloria Delio, human resources at American's Finest Charter School at 730 45th Street. The school's phone number is 619-694-4809. The school year runs from the end of August to the end of June and school hours are 8 a.m. to 4 p.m. They also have an after school program that runs until 6 p.m. and they do not have summer school. Parent's drop off and pick up spot is on 45th Street.

Chollas-Mead Elementary School is at 4525 Market Street. The principal is Julia Bridi-Freel, 619-362-3300, [jbridi@sandi.net](mailto:jbridi@sandi.net). School hours are 7:30 a.m. to 4 p.m. except for Tuesday when school is out at 1 p.m. The school year starts in the last week of August and ends in mid-June.

Gompers Preparatory Academy is at 1005 47th Street. The school's Director is Vincent Riveroll and his phone number is 619-263-2171. The school year begins the last week of August and wraps up the 2nd week in June. Gompers does not have summer school. Students are dropped off and picked up on 47th Street.

We identified three churches in the project area: Wat Lao Buddharam at 726 44th Street, Chollas View United Methodist Church at 906 47th Street and Jehovah's Witness at 4470 G. Street.

One of the major businesses in this area is Moody's Lunch Truck Service at 4637 Market Street, 619-262-0773. They are open from 3 a.m. to 3 p.m. weekdays and access to their property is off Market Street.

Another stakeholder is Holy Cross Cemetery at 4470 Hilltop. Mario DeBlasio is the contact at 619-264-3127. The cemetery is open 8 a.m. to 4:30 p.m. weekdays. We found out the reason there is a fence around the cemetery is because people are dying to get in.

The Metropolitan Transit System operates two bus routes on this project alignment. Route 5 has stops at Market Street and 45th Street and also at Market Street and 47th. Route 13 has six stops: Market Street and 47th Street and along 47th Street at Hilltop Drive, Craigie Street, Guymon Street, C Street and on the Highway 94 overpass.

We will utilize several methods to convey Project information to the public. Following the City's standards, VSC will distribute door hanger notices to impacted stakeholders at least five days before the start of construction. Door hanger notices about water shutdowns will be distributed at least three days before a shutdown. Every notification to stakeholders, be it by email or door hangers will include the Capital Improvement's preferred contact information for project information.

Also, VSC will create and maintain a project web page on the City's Capital Improvement Project website through cooperation with the City's PIO. The web page will be updated depending on the sensitivity of the construction project. In addition, VSC will utilize the City's Constant Contact email account to send as-needed updates about the project to email addresses that have been garnered through community interaction or by signing up on the



City's website. Constant Contact is the City's preferred email service because it is the only vendor to provide email communication services for the blind.

All calls and emails that are generated by the public will be responded within one business day of receipt. All public contacts will be documented on the City's electronic tracking form, SD Shares, and will be distributed to the Project team bi-weekly in an excel file. VSC will attend project progress meetings and provide the team status of Community activities.

The TCDB Team will install and maintain the traffic control devices shown on the approved plans. This includes daily set-up and removal around the immediate work area. Our traffic subcontractor will post signs notifying the public at least 5 working days prior to closing or detouring traffic on streets impacted by the work. In addition no parking signs will be installed a minimum 48 hours in advance and no less than 72 hours in advance of scheduled street resurfacing.

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TCDB's crews are instructed to work with the public to ensure public safety is a number one consideration. **Our crews are taught to provide immediate access to driveways and assistance to any pedestrians who are near or need to traverse the work area.** This philosophy is all part of TCDB's good neighbor policy. This policy will be stressed during our daily tail-gate meetings. **A good neighbor policy and daily communication with the residents will be vital to the project's success.**

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### **7.2.2 Design and Construction Coordination Requirements with Governmental Entities / Utilities**

There are a number of entities that will be involved in the project coordination element of this project and each has the ability to delay the project if coordination/approval is not performed efficiently. Some of these entities include:

- City– Right-of-Way Engineering Division
- City– Water System Operations Division
- City– Traffic Engineering Department
- City– Field Engineering Division
- City– Wastewater: Concurrent sewer improvement projects
- City– Mitigation Monitoring Coordination Department
- San Diego Gas & Electric
- AT&T Telephone and U-Verse
- Time Warner and Cox Cable
- San Diego Unified School District, Metropolitan Transit System and Encanto Neighborhoods Community Planning Group, Wat Lao Buddharam, Chollas View United Methodist Church, Jehovah's Witness, Millennial Tech Middle School, American's Finest Charter School, Chollas Elementary School and Gompers Preparatory Academy.



### 7.2.3 Design Coordination System between Drawings, Specifications and Disciplines

Coordination between drawings and specifications will be a joint effort between TCDB's Design and Construction QA/QC managers and the Project Manager.

The QA/QC managers will be responsible for consistency between the plans and specifications while Austin's role will ensure the plans and specifications are consistent with the City's construction standards and the requirements of the RFP.

### 7.2.4 System for Tracking Questions and Responses

Review comments and questions developed during the course of the project will be logged on a comment spreadsheet for each design submittal. The tracking log will identify the individual responsible for the comment/question and how the comment was resolved and where in the drawings or specifications the action has been taken. A combined spreadsheet will be developed following the final design approval, which will be used to categorize comments by drawing sheet number or specification section. Data sorting and/or key word searching can then be used to retrieve comments, if needed in the future. Tracking and resolution of these items will be addressed at our regular project meeting with the Resident Engineer.

### 7.2.5 System for Coordinating Work Among Subcontractors and Equipment Manufacturers

Construction coordination between TCDB's staff and sub-contractors/material suppliers is achieved on every project through biweekly field meetings and three-week look-ahead schedule updates. Long lead time delivery items are noted at bid time and appropriate notations are included in the project schedule. Purchase orders and subcontractor agreements all indicate the delivery and/or expected mobilization and completion schedules. Any adjustment to these schedules is communicated via schedule updates.



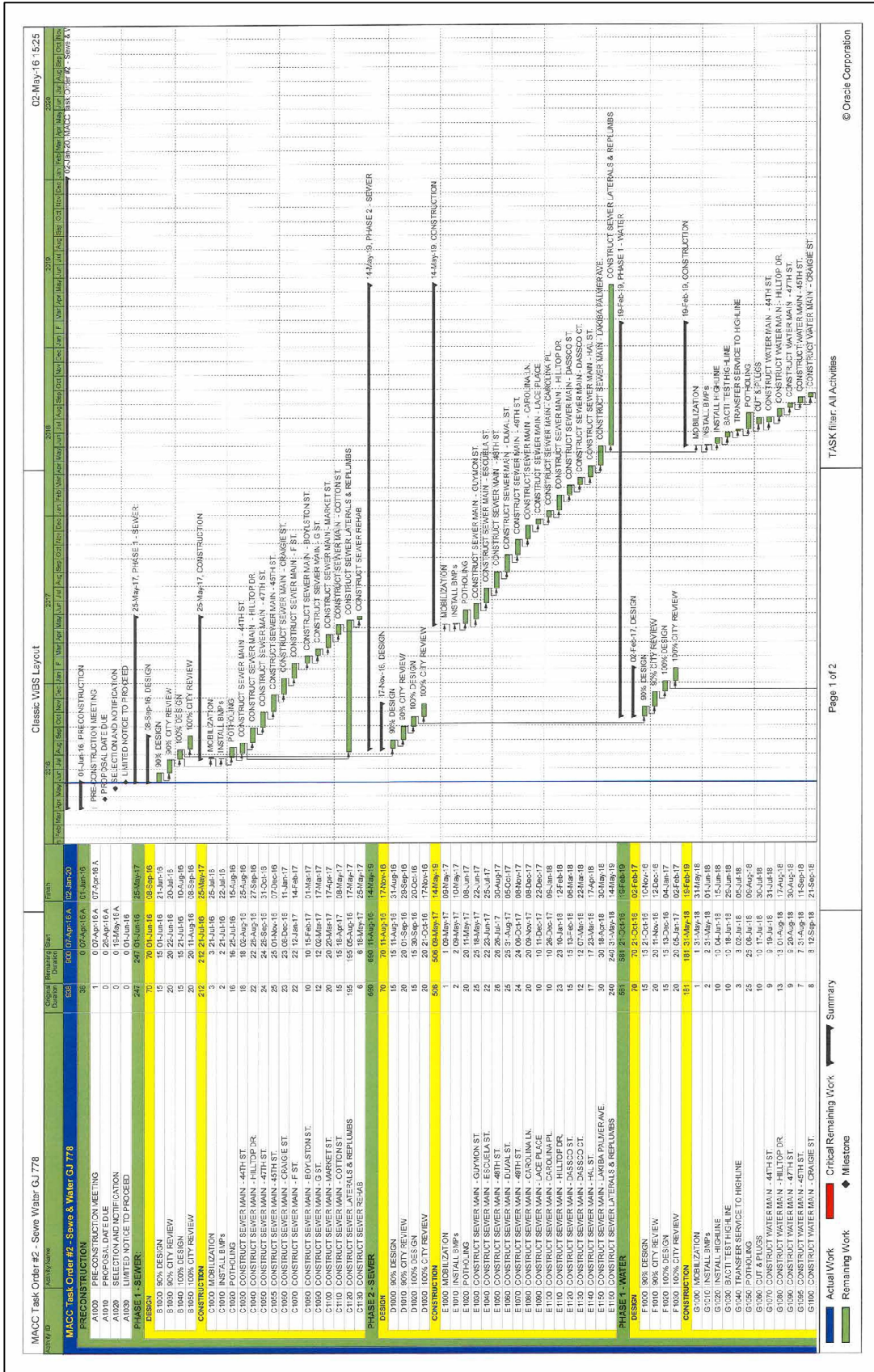
*Installation of deep sewer mains, with water highlined in advance. Onsite TCDB huddle with City staff handling unknown utility conflicts while work is in progress.*

While TCDB is highly selective with its core group of subcontractors and has developed a strong relationship with many firms, we also reach out to new City of San Diego SLBE/ELBE firms and provides opportunity for growth and experience. These established and new relationships facilitate communication and interaction. There is mutual trust and commitment to work together to successfully complete each project. Our Project Manager will be responsible for this coordination effort and he will share this effort with his field superintendents and site foremen as these individuals are on the front line daily with our subcontractors. **Demanding accountability at all levels of the TCDB organization has led to more than 39 years of success and will serve us well on this project.**



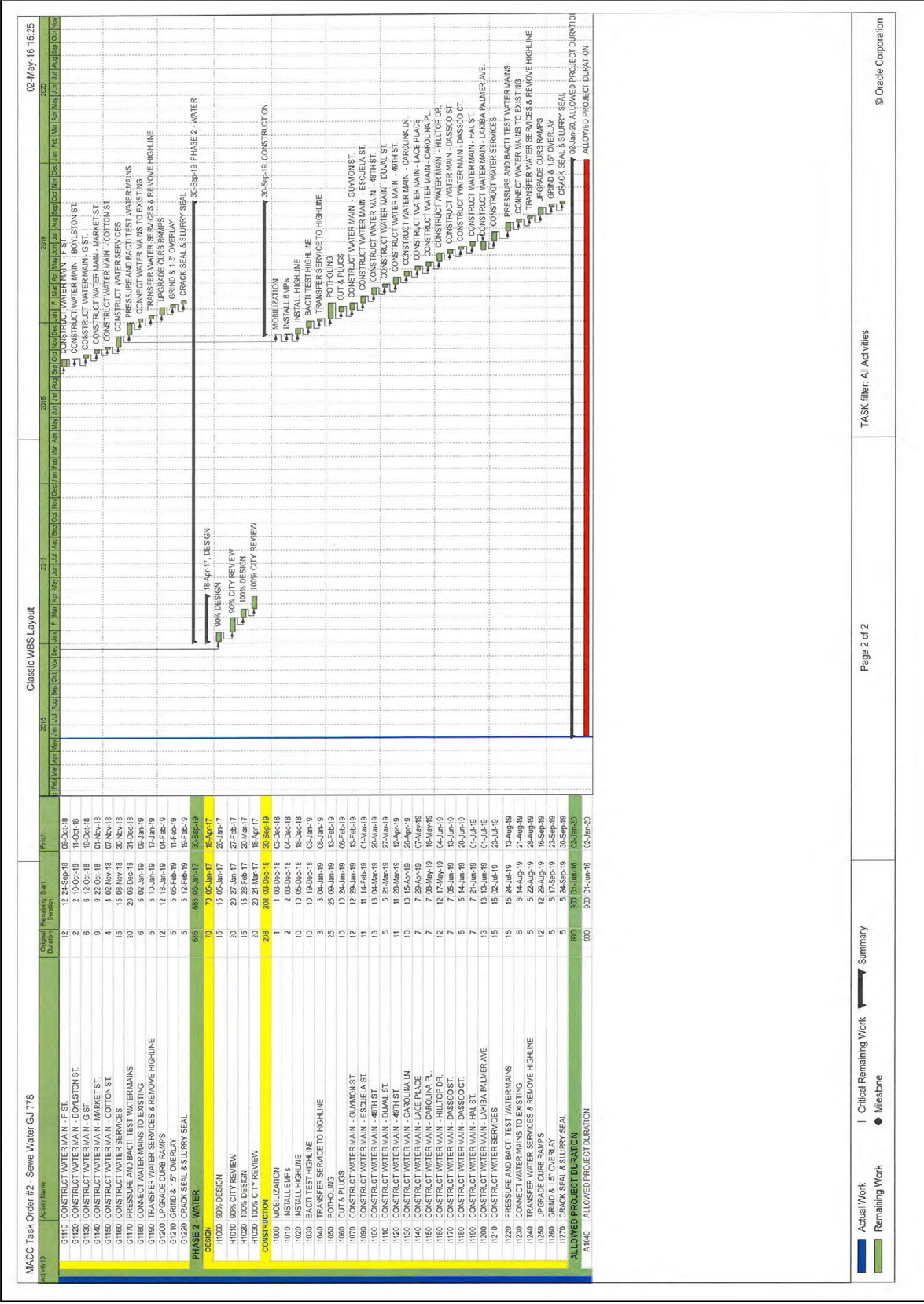


### 7.3 Critical Path Schedule





# MACC Task Order No. 02 Sewer & AC Water Group 778



Michael Baker INTERNATIONAL

Trusted Local Team Emphasizing Communication, Value and Quality.





## 7.4 Challenges/Issues

The project challenges and issues to be addressed on the Sewer and AC Water Group 778 can be highlighted as follows:

### Challenge #1 - Asbestos Cement Pipe Removal

**Devising a work plan to keep construction workers and residents safe.** After thorough review of the bridging documents the TCDB Team has identified 5,848-feet of 6-inch ACP, 7,187-feet of 8-inch ACP, and 6,838-feet of 12-inch ACP to be removed and disposed of for this project. **One of the items that sets the TCDB Team apart from our competition is that we go the extra mile to hire a specialist subcontractor to perform the Asbestos Pipe abatement for all projects.** This policy ensures the safety of our workers and the residents and keeps both our Team and the City from being liable for improper hazardous material disposal techniques.

The TCDB Team proposes to hire Casper Company on an as needed time & materials basis, for handling, disposal, and proper manifesting of the AC pipe removed from the project.

In collaboration with Casper Company a proven specialist in the industry, TC has prepared the following plan for this project. **A discussion of this operation will be presented to the community group meeting to alleviate any public safety concerns.**

- Daily safety meetings will be conducted on every shift by the onsite project Foreman.
- Mobilize materials and equipment.
- Hard hats, suits, gloves, eye, ear, and respirator protection will be utilized during abatement.
- All employees must have certification prior to entering work area.
- Set up one stage decontamination area, equipment and barricade work area.
- Excavation to be provided by others. Wet snap, chain break underground asbestos cement pipe.
- Clean and HEPA vacuum work area. Encapsulate and detail areas for final clean up.
- All work listed will be done using wet methods and hand tools.
- Tear down and remove poly from work area and barricades.
- AC Pipe will be hauled in an open top dump truck.
- Manifest for disposal of non-hazardous waste to Sycamore Landfill.
- Casper will follow the non-hazardous waste manifest SOP.
- Safety precautions will be in place at all times.



*Proper asbestos pipe removal and disposal by a Casper Company for TC on MACC 1, Task Order 1, Skyline Avenue in front of Morse High School.*

This plan is intended to address health related risks from asbestos exposure associated with the project. In addition to the specifications described in this plan, standard construction safety practices will be followed.



The plan addresses the hazards anticipated and the precautions to be taken during the asbestos abatement.

This plan was prepared based upon information available at the time and covers only the conditions and activities described. This plan addresses the removal of underground asbestos cement pipe. Debris will be removed using water, hand tools, chain break and HEPA vacuum. Casper Company will comply with the latest applicable requirements of federal, state and local regulations governing asbestos encapsulation, removal and disposal. If additional regulated asbestos containing material (RACM) is discovered or may be generated in the removal process, all work will stop, an evaluation will be conducted on how to continue removal and whether further notification is required before moving forward.

Casper Company will comply with the applicable publications of the SDAPCD rules and regulations and all applicable national standards.

The non-hazardous waste generated by this project will be placed in open top 40 yard lined box. The asbestos material shall be removed from the project site, manifested, stored and disposed of as non-hazardous waste at Sycamore Landfill. All waste shall be wetted and properly packaged in accordance with the State of California Waste regulations.

### **Challenge #2 – Working adjacent to the Multi-Habitat Planning Area (MHPA)**

According to the draft project MND, page 100 of the RFP; and Preliminary Environmental Assessment Report, page 2; the proposed pipeline replacement work on the northernmost portion of Fairway Road and Country Club Drive is within 100-feet of the MHPA. While it is currently planned to perform this portion of work outside of the migratory bird breeding season of February 1st through September 15th, The TCDB Team knows that project schedules sometimes slide due to extraneous forces and has included the necessary measures to perform the work at any given time. If necessary we will retain the services of a qualified biologist through our selected SLBE environmental sub-consultant Loveless and Linton Consulting. The project Biologist will delineate the limits of disturbance, conduct nesting bird and endangered species surveys and provide recommendations if sound monitoring and mitigation are necessary. Our Team will abide by all recommendations of the project biologist and will make adjustments to the project schedule and or erect noise mitigation and monitoring measures necessary in order to complete the work within 100-feet of the MHPA.

### **Challenge #3 – Sewer Lateral Replumbing**

The most challenging portion of the project will be replumbing the approximate 159 sewer laterals that now flow behind the homes into alleyways and inaccessible backyard easements. TC Construction has very recent experience performing replumbs for the City on Sewer and Water Group 781 in City Heights and Sewer and Water Group 820 in La Jolla. TC in conjunction with it's selected ELBE contractor Piperin Corp and VSC, will first meet with each individual homeowner to discuss the scope of work and devise a plan that will create the least amount of impact for routing of the new lateral. Michael Baker will then draft replumb exhibits for the City and the homeowner to review. Once the replumb exhibits are agreed upon, VSC will again meet with the homeowners to have the exhibit and replumb agreement signed and delivered to the City



for recording by the City Clerk. The TCDB team is well aware that this is a lengthy ordeal and homeowners may have concerns, which TC and VSC are well prepared to address. Once the replumb exhibits are recorded, our crews will work hand in hand to develop safe access, begin construction and keep disturbance to the homeowners at a minimum. All improvements previously identified will be returned or replaced in same or better condition. During and at the end of every work shift Pipers crews will safe-off the site and a TC supervisor will inspect the area prior to leaving for the day. The replumbs will be a very challenging aspect on the project, however with TC's experience gained on similar City group jobs, TC field and office crews are well prepared to ensure the paperwork and construction process are performed smoothly.

**Challenge #4 – Working in front of and near elementary schools, preparatory schools, places of worship, commercial zones a cemetery and parklands**

The TCDB Team is aware of the school schedules for Gompers Preparatory Academy, Millennial Tech Middle School, Chollas Elementary School, Horton Elementary School and America's Finest Charter School and has accounted for this in the preparation of the preliminary construction schedule. Per the current project schedule all final trench cap, slurry seal and pedestrian ramps will be complete prior to school resuming from either their summer or winter breaks.

When not working in the immediate vicinities of these schools and churches, the TCDB Team is aware that Market Street and Euclid Avenue are major access roads used for daily residential and business commuting. Our traffic plan designer, Hudson Safe-T-Lite, will design plans to allow for minimal disruption. Our goal is to work efficiently but still be a good neighbor and have no complaints forwarded to the Council District Office or to the City PIO. Coordination with the schools, churches and the Holy Cross Cemetery will happen well in advance of construction and will include one-on-one meetings with the necessary officials to communicate all planned construction activity.

**7.5 Cost Saving Measures**

Potential cost saving measures to be considered include the following:

1. TC is willing to have multiple crews at the same time on different streets. This would cut down on the City's overhead.
2. Our design team will provide sewer and water alignments on the same sheet to reduce the sheet count of the final set and reduce design work.
3. The water and sewer alignments provided to the City's construction survey crew will included vertical alignments which will greatly reduce the amount of time spent entering vertical data into total base station equipment. This approach was very successful in our Sorrento Mesa Recycled Water Pipeline project as the survey crew found the additional vertical information extremely helpful during construction staking.





### **Vic Salazar Communications**

President of VSC, Vic Salazar has made a successful transition from Emmy-award winning journalist to award-winning business owner. A familiar and trusted news anchor for more than 20 years in San Diego, Mr. Salazar is currently leading Community Liaison efforts for several large Public Works projects for contractors working within the City of San Diego.

VSC was named the 2012 U.S. Small Business Administration Minority-Owned Business of the Year for the San Diego region.

VSC is experienced in fulfilling the Scope of Work for Community Liaison services Sewer & AC Water Group 778. VSC is currently providing Community Liaison services for a dozen pipeline replacement projects in San Diego. For all of these projects, Community Outreach Plans are designed to provide that all stakeholders are made aware of the construction project and are provided avenues for feedback.



### **7.6 Community Outreach and Public Relations Program**

The TCDB will provide the necessary public information and outreach program for the project and will have a Public Information Officer (PIO) who will serve as the community liaison. The WHITEBOOK requirements, sections 7-16 through 7-17 for Community Liaison, will be implemented for the public information and outreach program.

Vic Salazar Communications (VSC) will serve as the exclusive Community Liaison for MACC Task 1. VSC will work cooperatively with, and provide assistance to the City's PIO team. VSC will be available to respond to questions from the community as needed for the written materials to explain the project at community meetings and presentations.

Within 30 working days of Notice to Proceed, VSC 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 Design-Builder team, between the Design-Builder Team and the City and, between VSC and the City. The TCDB will be responsible for ensuring that the information to be provided to the public is consistent, updated and accurate.

The Key stakeholders for the Sewer & AC Water Group 778 are identified as:

- The public and the City
- City Mayor Kevin Faulconer
- District 4 City Council Member Myrtle Cole
- Metropolitan Transit System
- Encanto Neighborhoods Community Planning Group



Other stakeholders include: Wat Lao Buddharam, Chollas View United Methodist Church, Jehovah's Witness, Millennial Tech Middle School, American's Finest Charter School, Chollas Elementary School and Gompers Preparatory Academy.

**We will work to integrate the needs of the community into the project and will learn about those needs when we present the project before and during construction.** We will utilize several methods to convey Project information to the public. Following the City's standards, VSC will distribute door hanger notices to impacted stakeholders at least five days before the start of construction. Door hanger notices about water shutdowns will be distributed at least three days before a shutdown. Every notification to stakeholders, be it by email or door hangers will include the Capital Improvement's preferred contact information for project information: website ([www.sandiego.gov/cip](http://www.sandiego.gov/cip)), email – ([engineering@sandiego.gov](mailto:engineering@sandiego.gov)) and phone (619.533.4207).

VSC will create and maintain a Project web page on the City's Capital Improvement Project website through cooperation with the City's PIO. The web page will be updated depending on the sensitivity of the construction project. In addition, VSC will utilize the City's Constant Contact email account to send as-needed updates about the project to email addresses that have been garnered through community interaction or by signing up on the City's website.

Constant Contact is the City's preferred email service because it is the only vendor to provide email communication services for the blind. Council District 1 will make their Community Newsletter available for VSC to provide project updates and VSC can also utilize the District's "199's". These letters are about one subject and only 199 can be mailed by the Council District. All VSC needs to do is provide the content and the addresses, the postage is covered by Council office. Every notification to the public will include the Capital Improvement Project's preferred website address, email and phone.

All calls and emails that are generated by the public will be responded to within one business day of receipt. All public contacts will be documented on the City's electronic tracking form, SD Shares, and will be distributed to the Project team bi-weekly in an excel file. VSC will attend Project progress meetings and provide the Project team status of Community Liaison activities.

TC Construction will install and maintain the traffic control devices shown on the approved plans. This includes daily set-up and removal around the immediate work area. Our traffic subcontractor will post signs notifying the public at least 5 working days prior to closing or detouring traffic on streets impacted by the work. In addition no parking signs will be installed a minimum 48 hours in advance and no less than 72 hours in advance of scheduled street resurfacing.

TC's crews are instructed to work with the public to ensure public safety is a number one consideration. Our crews are also taught to provide immediate access to driveways and assistance to any pedestrians who are near or need to traverse the work area. This philosophy is all part of TC's good neighbor policy. This policy will be stressed during our daily tail-gate meetings. A good neighbor policy and daily communication with the residents will be vital to project success.





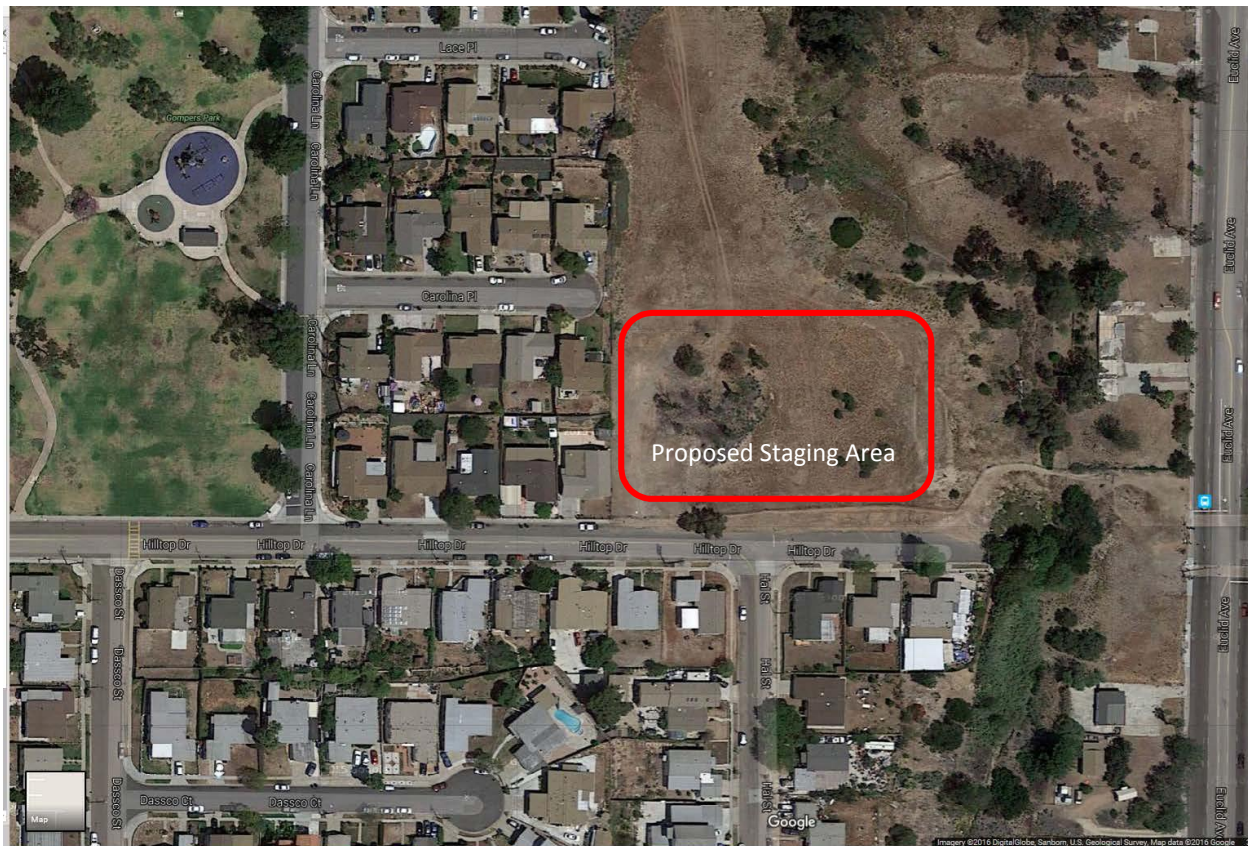
## 7.7 Community Coordination

The TCDB Team will actively coordinate with the community throughout the design and construction phases of the project as mentioned in the above sections.

## 7.8 Staging Area and Project Cleanup

The TCDB Team plans to locate and secure the use of an existing vacant lot if possible for its staging of equipment and materials. TC has currently began discussions with the redevelopment agency Civic San Diego who is the owner of the lot located north of the intersection at Hilltop Drive and Hal Street. **If this lot is secured for use as the project staging area, a diagram will be added to the WPCP plan and site specific BMP's will be designed and implemented. The site will be fenced with green mesh privacy screen and will be cleaned and organized on a regular basis.** If a lot is not available, TC will utilize small sections of side streets to park its equipment and materials. If side streets are used the staging will follow the pipeline as the work progresses and the materials will be moved on a weekly basis at minimum.

Project cleanup will be conducted on a daily basis, prior to the end of each work shift. Street sweeping will be conducted regularly as needed to ensure that dust and debris are controlled and that WPCP guidelines are being followed.





### **7.9 Minimizing Impacts to Residents and Visitors**

TCDB Team will install and maintain the traffic control devices shown on the approved plans. This includes daily set-up and removal around the immediate work area. **Our crews will post signs notifying the public at least five working days prior to closing or detouring traffic on streets impacted by the work. In addition no parking signs will be installed a minimum 48 hours in advance and no less than 72 hours in advance of scheduled street resurfacing.** Crews will work with the public to ensure public safety is a number one consideration. In residential neighborhoods, our crews provide immediate access to homeowners and assistance to any pedestrians who are near or need to traverse the work area. This philosophy is all part of TCDB's good neighbor policy. This policy will be stressed during our daily tail-gate meetings as the neighborhood has many small driveways to homes and access around the construction area will be limited. A good neighbor policy and daily communication with the residents will be vital to the project's success.

### **7.10 Minimizing Impacts to Local Businesses**

Outside of the immediate area TC will direct construction traffic and haul routes away from business locations and congested areas on Market Street and Euclid Avenue. A site specific haul route plan will be developed with input from the RE to minimize impacts and disruptions as best possible.