

City of San Diego

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CGascon/BD/egz



REQUEST FOR PROPOSAL (RFP)

FOR

MULTIPLE AWARD CONSTRUCTION CONTRACTS (MACC) FOR WATER, WASTEWATER, AND STORMWATER PROJECTS

TASK ORDER:	SEWER AND WATER GROUP 814
TASK ORDER NO.:	02
RFQ NO.:	12MCL100
PROPOSAL NO.:	K-13-5939-MAC-3-C
SAP NO. (WBS/IO/CC):	B-00435, B-00108
CLIENT DEPARTMENT:	2011/2013
COUNCIL DISTRICT:	2
PROJECT TYPE:	JA, KB

THIS TASK IS SUBJECT TO THE FOLLOWING:

- PHASED-FUNDING
- SMALL AND LOCAL BUSINESS ENTERPRISE (SLBE) PROGRAM
- MANDATORY USE OF APPRENTICES

PROPOSALS DUE

12:00 NOON

JULY 9, 2013

CITY OF SAN DIEGO

PUBLIC WORKS CONTRACTING GROUP

1010 SECOND AVENUE, SUITE 1400, MS 614C

SAN DIEGO, CA 92101

ATTN: CONTRACT SPECIALIST

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1.0 INTRODUCTION

- 1.1 This is the City of San Diego's (City) second phase in the selection process to provide Design-Build services for Task Order 02, **Multiple Award Construction Contract (MACC) for Sewer & Water Group 814** (Project) under a lump sum contract.
- 1.2 This RFP is being issued exclusively to the following selected firms for this selection process who each has entered into a base MACC contract (Contract) with the City:
 - 1.2.1 El Cajon Grading & Engineering Company, Inc. in association with David Evans and Associates, Inc.
 - 1.2.2 J.R. Filanc Construction Company, Inc. in association with Arrieta Construction, Inc. and HDR
 - 1.2.3 Orion Construction Corp./Balboa Construction, Inc. J.V. in association with Harris & Associates and Richard Brady & Associates
 - 1.2.4 Ortiz Corporation in association with AECOM
 - 1.2.5 TC Construction Company in association with RBF Consulting
- 1.3 This RFP describes the Project, the required scope of Work and Services, the Design-Builder selection process, the minimum information that must be included in the Proposal for this Project, and, the terms and conditions governing the Work. The only work authorized under the Contract is work ordered by the City through issuance of a Task Order (TO).
- 1.4 Each Proposal properly executed as required by this RFP shall constitute a firm offer, which may be accepted by the City within the time specified in the Proposal.
- 1.5 This RFP will not commit the City to award a contract or (TO), to defray any costs incurred in the preparation of a Proposal pursuant to this RFP, or to procure or contract for the Work.
- 1.6 All Proposals submitted in response to this RFP are the property of the City. After the selection process is complete, the Proposals become non-exempt public records, and as such may be subject to public view.
- 1.7 Selection announcements, contract awards, and all data provided by the City shall be protected from public disclosure. The Design-Builders desiring to release information to the public, shall receive prior written approval from the City.
- 1.8 The Design-Builder, by submitting a response to this RFP, agrees to provide the required services for the terms and conditions noted in this RFP and its attachments, if awarded by the City. The agreement and other terms and conditions are included in the Multiple Award Design-Build Contract and The GREENBOOK, The WHITEBOOK, and the Supplementary Special Provisions (SSP).

1.9 This RFP amends the Standard Specifications for Public Works Construction (the GREENBOOK), including supplement amendments set forth in the City of San Diego Standard Specifications for Public Works Construction (the WHITEBOOK). All changes and or additions are stated herein and all other provisions remain unchanged.

2.0 **PROJECT VALUE**

2.1 The City's estimate of the Contract Price including the City's Contingency is **\$6,627,000.**

3.0 **CONTRACT TIME**

3.1 The Project shall be completed within **330 Working Days** from the NTP.

4.0 **CONTRACTOR'S LICENSE CLASSIFICATION AND PRE-QUALIFICATION STATUS**

The Design-Builder shall ensure that Design-Builder's license(s) as specified in the RFQ shall be valid when Proposal is submitted. In addition, the Design-Builder shall maintain its prequalification status at the time of the Proposal submittal as specified in the RFQ. Failure to comply with these requirements will result in rejection of the Proposal.

5.0 **SELECTION AND AWARD SCHEDULE**

5.1 The City anticipates that the process for awarding Task Order #2 will be according to the following tentative schedule:

5.1.1 Pre-Proposal Meeting June 18, 2013

5.1.2 Proposal Due Date July 9, 2013

5.1.3 Selection and Notification July 31, 2013

5.1.4 Limited Notice to Proceed August 7, 2013

6.0 **EQUAL OPPORTUNITY CONTRACTING**

6.1 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.

6.2 The mandatory minimum subcontractor participation percentages for this RFP are as follows:

SERVICES	SLBE	ELBE	DVBE	Subcontracting Requirement ¹
Design Services	4.20%	4.50%	0.60 %	9.30 %
Construction Services	6.20%	14.60%	1.50%	22.30 %

Notes:

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

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

6.4 The required subcontracting percentages apply to 1st tier Subcontractors only.

6.5 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.

6.6 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.

6.7 The Design-Builders' Proposals will be further evaluated for their commitment to the City's principles of equal opportunity as specified in this RFP. See Attachment B, "Proposal Submittal Requirements and Selection Criteria" for more information.

6.8 To The WHITEBOOK, Chapter 10, Sections D and E, DELETE in their 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.

7.0 PRE-PROPOSAL ACTIVITIES

7.1 Questions Concerning RFP

- 7.1.1 The Director or designee of the Public Works Department is the officer responsible for responding to questions and 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.

- 7.1.2 All questions regarding this RFP and Contract Documents shall be presented in writing to the Contract Specialist at the US Postal Service or the e-mail address identified on the cover sheet of this RFP prior to the Proposal due date.
- 7.1.3 Questions received less than 14 Days prior to the Proposal due date may not be answered.
- 7.1.4 Interpretations or clarifications of this RFP considered necessary by the City in response to such questions will be issued by Addenda.
- 7.1.5 The City at its option, may respond to any or all questions submitted in the form of an Addendum. Only questions answered by formal written Addendum will be binding. Oral and other interpretations or clarifications will be without legal effect.
- 7.1.6 The changes to the RFP through Addendum are made effective as though originally issued with the RFP. It is the Design-Builder's responsibility to become informed of any Addenda that have been issued and to include all such information in its Proposal.

7.2 Pre-Proposal Meeting

- 7.2.1 A **mandatory** Pre-Proposal meeting will be held from 10:00 AM to 11:00 AM, at 1010 Second Avenue, Suite 1400 (14th floor), San Diego, CA, 92101.
- 7.2.2 All Design-Builders are **required** to attend. Any materials distributed at the meeting will be issued to all RFP recipients in the form of an addendum to the RFP. It is not necessary for all members of a the Design-Builder's team to be present at the Pre-Proposal Meeting, however, the Design-Builder will be responsible for receiving and applying all information discussed at the Pre- Proposal Meeting.
- 7.2.3 To request a copy of the agenda on an alternative format, or to request a sign language or oral interpreter for this meeting, call the Public Works Contracting Group at (619) 533-3450 at least 7 days prior to the Pre-Proposal Conference to ensure availability.
- 7.2.4 Proposal will be considered **non-responsive** if the Design-Builder fails to attend the Pre-Proposal Meeting as evidenced by the City's meeting sign-in sheet when such a meeting has been specified to be required.
- 7.2.5 Firms participating in the Pre-Proposal Meeting and site visit (if any) will not be compensated for their participation.

7.3 Pre-Proposal Site Visit

- 7.3.1 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 Contracting Group at (619) 533-3450 at least 2 Days prior to the date requested for access.

8.0 EXAMINATION OF PLANS, SPECIFICATIONS, AND SITE OF WORK

- 8.1** Contract Documents may be obtained by contacting the Contract Specialist listed on the cover of the Request for Proposal.
- 8.2** The Design-Builders shall examine carefully 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.

9.0 CHANGES TO THE SCOPE OF WORK

- 9.1** 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 City's written consent to the change prior to making any changes. In no event shall 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.

10.0 DESIGN SUBMITTALS

- 10.1** 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.

11.0 BONDS AND INSURANCE

- 11.1** Prior to the award of TO, 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.

12.0 SUBMITTAL REQUIREMENTS

- 12.1** Each Design-Builder shall submit separate "Technical" and "Price" Proposals as described in this RFP.

12.2 Technical Proposal Requirements

- 12.2.1** The Technical Proposal shall be concise and well organized and shall demonstrate the Design-Builder's qualifications and experience applicable to the Project. Type size and margins for text pages shall be in accepted standard formats for desk top publishing and word processing and result in no more than 500 words per page and shall be limited to no more than 50 one-sided pages (8 ½" x 11") inclusive of any cover sheets, resumes, graphics, forms, pictures, photographs, dividers, front and back cover and supporting documentation; exclusive of Equal Opportunity Contracting documentation. Double-sided pages are not acceptable. Paper foldouts in sizes other than the Standard Letter size will count as 2 pages against the established Proposal page-count limit. A cover letter may be submitted but shall not contain any information that is a required element of the Technical Proposal.
- 12.2.2** The Design-Builder shall certify that the documentation required under the Work Force Report and Equal Employment Opportunity (EEO) Plan and the Subcontractor Documentation of the RFQ remains correct and accurate. If any changes or modifications are required to the aforementioned documents, they shall be documented in the Work Force Report and EEO Plan forms included in the Contract Documents as attachments and submitted with the Proposal. The EOCP information not revealing the Contract Price shall be submitted with the Technical Proposal.
- 12.2.3** The Technical Proposals submitted in response to the RFP shall be in accordance with the requirements listed in Attachment B. The contents of the Proposal shall be organized consistent with the Attachment B.

12.3 Price Proposal Requirements

- 12.3.1** This solicitation is for a Lump Sum contract.
- 12.3.2** One executed original, clearly marked on the cover, of the Price Proposal shall be submitted in a separate sealed envelope. Refer to Attachment D of this RFP for the Price Proposal form to be used.
- 12.3.3** The Price Proposal shall be signed by an individual or individuals authorized to execute legal documents on behalf of the Design-Builder.
- 12.3.4** The lowest proposed price is not the determining factor for issuance of a TO. See Attachment 'B' for criteria from which the proposals will be evaluated.
- 12.3.5** In case of discrepancies, written numbers will govern over numerical. The summation of all lump sum, unit prices, allowances and any other priced items will govern over the total price in case of discrepancies between the two.
- 12.3.6** Certain EOCP information (i.e., Subcontractors and Suppliers listings) that indicates the dollar value of the portions of the work to be performed by the Subcontractors and Suppliers shall be submitted as part of the sealed Price Proposal.

12.4 Submittal Requirements

12.4.1 General

- 12.4.1.1 A corporation designated as the selected Design-Builder shall furnish evidence of its corporate existence and evidence that the officer signing the Proposal, bonds, and TO authorization (when required by the City) for the corporation is duly authorized to do so.
- 12.4.1.2 Price Proposal shall be made only upon the Proposal form attached to and forming a part of the specifications. The signature of each person signing shall be in longhand.
- 12.4.1.3 The Design-Builder shall complete and submit all pages in the "Proposal Documents" Section as their Price Proposal per the schedule given under "Required Documents Schedule." The Design-Builder is requested to retain for their reference other portions of the Contract Documents that are not required to be submitted with the Proposal. The entire specifications for the proposal package do not need to be submitted with the proposal.
- 12.4.1.4 Proposals and certain other forms and documents shall be enclosed in a sealed envelope and shall bear the title of the work and name of the Design-Builder and the appropriate State Contractors License designation which the Design-Builder holds.
- 12.4.1.5 Proposals may be withdrawn by the Design-Builder prior to, but not after, the due date and time for receipt of Proposals. The Proposal shall be signed by an individual or individuals authorized to execute legal documents on behalf of the Design-Builder.
- 12.4.1.6 Proposals or modifications thereto received subsequent to the hour and date specified on the cover of this RFP may cause the Design-Builder's Proposal to be rejected as **non-responsive**.
- 12.4.1.7 Failure to comply with the requirements of this RFP may result in disqualification.

12.4.2 Technical Proposal

- 12.4.2.1 One clearly marked on the cover executed original, 7 complete paper copies of the Proposal, and 1 Compact Disk (CD) or Digital Video Disk (DVD) with a complete Portable Document Format (PDF) formatted version of the submitted documents for this proposal shall be included. The following information will be clearly marked on the outside of each package:

Name of the Design-Builder

Project Title

“Technical Proposal” Package No. (e.g., 1 of 16, 2 of 16, etc.)
Marked (in red)

12.4.2.2 Design elements which deviate from the scope of Work, City’s design guidelines, or material substitution which differs from the Approved Material List shall be highlighted in accordance with Attachment B, “Exceptions to the RFP” of the Proposal.

12.4.3 Price Proposal

12.4.3.1 The Price Proposal is to be submitted in sealed packages with the following information clearly marked on the outside of each package:

Name of the Design-Builder

Project Title

“Price Proposal” Marked (in red)

12.5 Review of Technical Proposal

12.5.1 Following the receipt of the Technical Proposal, the City anticipates at least 2 weeks for review of the Technical Proposals.

12.6 Final Selection

12.6.1 Based on the Design-Builder's Proposal and using the Project’s Evaluation Criteria, the Panel will rank the Design-Builder’s Proposal by determining the score which shall be calculated as follows:

12.6.1.1 A maximum of **50** points will be assigned for the Contract Price as proposed. The lowest total estimated Contract Price of all the Proposals that meet the requirements of this RFP will receive the maximum assigned points to this category. The other Price Proposals will be scored based on how much higher their total estimated Contract Prices compare with the lowest:

$$\left(1 - \frac{\text{Contract Price} - \text{Lowest Contract Price}}{\text{Lowest Contract Price}}\right) \times 50 \text{ (Max Pts)} = \text{Pts Awarded}$$

12.6.1.2 A maximum of 50 points will be assigned for the qualitative criteria noted in Attachment ‘B’ of this RFP. All Proposals shall receive scores based on 50 times the average of the composite ratings provided by the Panel.

12.6.1.3 The Apparent Winner will be the team with the highest total score earned. The Design-Builders will be notified in writing of the City’s final decision.

12.6.1.4 For example, if the lowest total estimated Contract Price of all proposals is \$100, that Proposal would receive the maximum allowable points for the price category. If the total estimated Contract Price of another proposal is \$105 and the maximum allowable points is 50 points, then that Proposal would receive $(1 - ((105 - 100) / 100)) \times 50 = 47.5$ points, or 95% of the maximum points. The lowest score a Proposal can receive for this category is zero points (i.e., the score cannot be a negative number). The following example using the same 50/50 split illustrates the calculation outcomes, with Firm A winning the competition even though Firm C had the lowest price but did not have the highest rated proposal :

Firm	Avg. Composite Rating	Qualitative Score (50 Max)	Price Proposal	Price Score (50Max)	Total Score (100 Max)
A	88.00	44.00	\$105	47.50	91.50
B	75.00	37.50	\$130	35.00	72.50
C	80.00	40.00	\$100	50.00	90.00

Note: All figures will be rounded off to 2 decimal places.

12.7 Use of Reference Documents and Pre-Design Reports

12.7.1 The City has made available Reference Documents related to the Project (see Bridging Documents). Use of these reports shall be for general Project background information only, and shall be used at the Design-Builder’s risk. No responsibility is assumed by the City for the completeness or accuracy of these reports. See Scope of Work (Attachment ‘A’).

13.0 OPENING OF PRICE PROPOSALS:

13.1 After the Technical Proposals have been evaluated and scored, the City will open the Price Proposals and make the selection of the winning Design-Builder in accordance with the criteria set forth above under Section 12.7, “Final Selection (Weighted Criteria)” of this RFP. The City will announce in writing the selected Design-Builder via correspondence to all participants indicating the Average Composite Rating, Qualitative Score, Price Proposal, Price Score, Total Score, and Rank for all proposers evaluated. The notification to the Design-Builders shall constitute the public announcement of the Apparent Winner. In the event that the Apparent Winner 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 Apparent Winner.

14.0 ADDITIONAL TERMS AND CONDITIONS

- 14.1 Protests.** A Design-Builder may protest the award of a task order to another Design-Builder in accordance with San Diego Municipal Code section 22.3017.
- 14.2 Changes to Key Personnel and Substitution of Subcontractors.** The Design-Builder shall not change or substitute any individual that is identified as “key personnel” in its Statement of qualifications SOQ and Proposal without the written consent of the City, which will not be unreasonably withheld. The Design-Builder shall not change or substitute any material, Supplier, or Subcontractor identified in its SOQ and Proposal statement of qualifications or proposal without written consent of the City.
- 14.3 Project Team.** The Design-Builder shall maintain all representations, team members, and proposed tasks and work elements as valid, except for the schedule which would be adjusted as mutually agreed upon by the City and the Design-Builder.
- 14.4 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.
- 14.5 Subcontract Limitations.** The Design-Builder’s attention is directed to Standard Specifications for Public Works Construction, Section 2-3, “SUBCONTRACTS” which requires the Design-Builder to perform not less than the amount therein stipulated with its own forces. Failure to comply with these requirements may render the Proposal **non-responsive**.
- 14.6 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.
- 14.7 City Standard Provisions.** This RFP and the subsequent TO are subject to the following standard provisions. See The WHITEBOOK for details.
- 14.7.1** The City of San Diego Resolution No. R-277952 adopted on May 20, 1991 for a Drug-Free Workplace.
- 14.7.2** The City of San Diego Resolution No. R-282153 adopted on June 14, 1993 related to the Americans with Disabilities Act.
- 14.7.3** The City of San Diego Municipal Code §22.3004 for Pledge of Compliance.
- 14.7.4** The City of San Diego’s Labor Compliance Program and the State of California Labor Code §§1771.5(b) and 1776.
- 14.7.5** 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.
- 14.7.6** The City’s Equal Benefits Ordinance (EBO), Chapter 2, Article 2, Division 43 of The San Diego Municipal Code (SDMC).

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

15.0 PHASED FUNDING

15.1 Phased Funding

- 15.1.1 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.
- 15.1.2 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.
- 15.1.3 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.
- 15.1.4 If the Proposal submitted by the Apparent Winner is rejected by the City for any reason, then within 5 Working Days after receiving notice, the next Apparent Winner must provide the Pre-Award Schedule. This process will continue until the City has selected a Design-Builder or has decided to reject all Proposals.
- 15.1.5 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 Apparent Low Proposer (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 Apparent Low Proposer.
- 15.1.6 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 his or her comments and requests for revision to the Pre-Award Schedule.
- 15.1.7 Your failure to perform the following may result in the Proposal being rejected as **non-responsive**:
- 15.1.7.1 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,
- 15.1.7.2 revise the Pre-Award Schedule as requested by the City within the specified 22 Working Days timeframe, or

15.1.7.3 execute the first Phased Funding Schedule Agreement within a Day after receipt.

16.0 REQUIRED DOCUMENTS SCHEDULE

16.1 The Design-Builder’s attention is directed to the City’s Municipal Code §22.0807(e), (3)-(5) for important information regarding grounds for debarment for failure to submit required documentation.

16.2 The specified Equal Opportunity Contracting Program (EOCP) forms are available for download from the City’s web site at:

<http://www.sandiego.gov/eoc/forms/index.shtml>

ITEM	WHEN DUE	FROM	DOCUMENT TO BE SUBMITTED	DOCUMENT DUE (AS CHECKED) WITH:	
				TECHNICAL PROPOSAL	PRICE PROPOSAL
1.	PROPOSAL SUBMITTAL DATE/TIME	ALL DESIGN-BUILD FIRMS	Price Proposal Form		√
2.	PROPOSAL SUBMITTAL DATE/TIME	ALL DESIGN-BUILD FIRMS	Non-collusion Affidavit to be Executed By Proposer and Submitted with Proposal under 23 USC 112 and PCC 7106		√
3.	PROPOSAL SUBMITTAL DATE/TIME	ALL DESIGN-BUILD FIRMS	Contractors Certification of Pending Actions		√
4.	PROPOSAL SUBMITTAL DATE/TIME	ALL DESIGN-BUILD FIRMS	Equal Benefits Ordinance Certification of Compliance		√
5.	PROPOSAL SUBMITTAL DATE/TIME	ALL DESIGN-BUILD FIRMS	Form AA05 – Design-Build List of Subcontractors		√
6.	PROPOSAL SUBMITTAL DATE/TIME	ALL DESIGN-BUILD FIRMS	Form AA15 - Design-Build List of Subcontractors	√	
7.	PROPOSAL SUBMITTAL DATE/TIME	ALL DESIGN-BUILD FIRMS	Form AA25 - Design-Build Named Equipment/Material Supplier List		√
8.	PROPOSAL SUBMITTAL DATE/TIME	ALL DESIGN-BUILD FIRMS	Form AA30 - Design-Build Named Equipment/Material Supplier List	√	

ITEM	WHEN DUE	FROM	DOCUMENT TO BE SUBMITTED	DOCUMENT DUE (AS CHECKED) WITH:	
				TECHNICAL PROPOSAL	PRICE PROPOSAL
9.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY PROPOSER OF CONTRACT FORMS	APPARENT LOW DESIGN-BUILD FIRM	Names of the principal individual owners of the Apparent Low Proposer -		
10.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY PROPOSER OF CONTRACT FORMS	APPARENT LOW DESIGN-BUILD FIRM	If the Contractor is a Joint Venture, the following information must be submitted: <ul style="list-style-type: none"> • Joint Venture Agreement • Joint Venture License 		
11.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY PROPOSER OF CONTRACT FORMS	APPARENT LOW DESIGN-BUILD FIRM	Contract Forms - Agreement		
12.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY PROPOSER OF CONTRACT FORMS	APPARENT LOW DESIGN-BUILD FIRM	Contract Forms – Performance Bonds and Labor and Materialmen’s Bond		
13.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY PROPOSER OF CONTRACT FORMS	APPARENT LOW DESIGN-BUILD FIRM	Certificates of Insurance and Endorsements		
14.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY PROPOSER OF CONTRACT FORMS	APPARENT LOW DESIGN-BUILD FIRM	Contractor Certification - Drug-Free Workplace		
15.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY PROPOSER OF CONTRACT FORMS	APPARENT LOW DESIGN-BUILD FIRM	Contractor Certification - American with Disabilities Act		
16.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY PROPOSER OF CONTRACT FORMS	APPARENT LOW DESIGN-BUILD FIRM	Contractors Standards - Pledge of Compliance		

ITEM	WHEN DUE	FROM	DOCUMENT TO BE SUBMITTED	DOCUMENT DUE (AS CHECKED) WITH:	
				TECHNICAL PROPOSAL	PRICE PROPOSAL
17.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY PROPOSER OF CONTRACT FORMS	APPARENT LOW DESIGN-BUILD FIRM	Phased Funding Schedule Agreement		
18.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY PROPOSER OF CONTRACT FORMS	APPARENT LOW DESIGN-BUILD FIRM	Pre-Award Schedule		
19.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY PROPOSER OF CONTRACT FORMS	APPARENT LOW DESIGN-BUILD FIRM	Form BB05 – Work Force Report		

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

ATTACHMENT A

PROJECT DESCRIPTION, SCOPE OF WORK, AND TECHNICAL SPECIFICATIONS

(BRIDGING DOCUMENTS)

PUBLIC WORKS DEPARTMENT

1. Project Description:

- 1.1. Design and construction of Sewer & Water Group 814. The proposed scope of work for this project is to replace 5,930 linear feet of existing CI, 3,753 linear feet of existing AC, and 161 linear feet of PVC and install 600 linear feet of new water mains and appurtenances, including associated water services, fire hydrants, valves water high-lining, cut and plugs, cut-ins and curb ramps. The project will also replace 4,787 linear feet of existing sewer mains, install 1,902 linear feet of new sewer main, rehabilitate 620 linear feet of existing sewer main, along with the abandonment of 1658 linear of existing sewer mains which will require 44 replumbs to existing residences, AC overlay for all effected streets, pavement resurfacing, traffic control, archeology and paleontology mitigation, and all other work in accordance with the Plans and Specifications. The AC overlay for each phase of the project shall occur at the completion of construction for that phase and not at the end of construction of all phases.

2. 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 sewer mains, 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;
 - 2.7.10.** Traffic control, paving, AC overlay for all streets, storm water permitting and compliance. The AC overlay for each phase of the project shall occur at the completion of construction for that phase and not at the end of construction of all phases;
 - 2.7.11.** Caltrans permit acquisition;
 - 2.7.12.** Coordinating with the City Project and Construction Managers and other utility owners/contractors; and
 - 2.7.13.** Scheduling, community outreach and public relations, and preparation of as-built drawings and mylars.
- 2.8.** The Design-Builder shall use CADD in compliance with the City’s “Consultant Standards for Preparation of PS&E.”
- 2.9.** The Design-Builder shall use the Primavera Project Management and Scheduling Software or equal. The Design-Builder shall submit and maintain a task-oriented computerized schedule for completing the Work over the life of the Project in accordance with Section 6-1, “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 The 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, Chapter 3, Part 1, General Provisions (B), subsection 2-6.7.
- 3.1.2.** Submittal Review and Approval. The City will review each submittal within 20 Working Days of receipt. See The WHITEBOOK, Chapter 1, 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 Right-of-Way Design Division [ROWDD] 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. The City's QA/QC checklists.
- 4.1.5. Access to ROWDD'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, (WPCP) Water Pollution Control Plan 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.

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 SWPPP 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, provide a six to eight inch concrete cap over the pipe.
 - 19.5.4. Repair the street disturbed by the pothole excavation with a thin, Class F asphalt wearing surface feathered into the existing asphalt street surface.
- 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 Field Engineering, 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 39.7 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 Field Engineering Division , the Design-Builder shall develop a traffic control plan and local access management plan that minimizes environmental and traffic impacts, including noise impacts, to residences, businesses, and institutions. The final traffic control plan must be approved by City’s Traffic Section of Field Engineering Division. 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 formal traffic control plans and which sections can be adequately addressed using shop 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 must 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 and incorporate into the specifications, a Storm Water Pollution Plan (SWPPP) to be implemented during construction. The SWPPP shall comply with the California Regional Water Quality Control Board Statewide General Construction Storm Water permit current requirements.
- 28.10.** The Design-Builder shall prepare a construction quantity takeoff at 60%, 100% and Final submittals.
- 28.11.** 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. Design Submittals:

29.1. 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.

29.2. 30 percent design Submittal - The 30% design submittal shall include but not be limited to:

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

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

29.2.3. Reviewed preliminary calculations and hydraulic calculations.

29.2.4. 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.

29.3. 60 percent design Submittal - The 60 percent design submittal shall include but not be limited to:

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

- 29.3.2.** Updated and incorporated information and comments from the 30 percent design submittal.
 - 29.3.3.** Completed and reviewed calculations, hydraulic calculations, calculations for horizontal and vertical control for pipeline alignment, and backfill and bedding design.
 - 29.3.4.** Location of construction staging areas (if applicable).
 - 29.3.5.** A written list of permits required for the Project, identifying all permitting agencies and authorities having jurisdiction.
- 29.4.** Drawings that shall include at a minimum:
- 29.4.1.** Updated plan and profile sheets for the sewer and water improvements, and construction details and notes.
 - 29.4.2.** Identification of both special and standard details.
 - 29.4.3.** A complete list of construction drawings on cover sheet.
 - 29.4.4.** Definition of the construction method to be used for pipe installation.
 - 29.4.5.** A complete site plan including construction lay down areas, site grading, and erosion control, if applicable.
 - 29.4.6.** Other drawings such as paving and traffic control plans as applicable.
 - 29.4.7.** 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.
 - 29.4.8.** List of special conditions, if any.
 - 29.4.9.** Quantity take-off per plan sheet.
 - 29.4.10.** A complete draft of specifications in The GREENBOOK format including:
 - 1. Table of contents.
 - 2. The Design-Build Special Provisions.
 - 3. Drafts of edited applicable ROWDD guide specification sections to fit the requirements of the Project.
 - 4. Drafts of the Design-Builder-developed specification sections.
- 29.5.** 100 percent design Submittal - The 100 percent design submittal shall include but not be limited to:

- 29.5.1. Designs for construction of new facilities, and refurbishment and demolition of existing facilities.
 - 29.5.2. Updated and incorporated information and comments from the 60 percent design submittal.
 - 29.5.3. Completed, reviewed, and bound calculations and hydraulic calculations.
 - 29.5.4. Updates to geotechnical report, if any.
 - 29.5.5. Permit applications as necessary.
 - 29.5.6. Completed specifications in Green-book format.
 - 29.5.7. Quantity take-off.
 - 29.5.8. Drawings in all disciplines, including final and traffic control Plans approved by City, if any.
 - 29.5.9. 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.
- 29.6. Final Design Submittal** - The Design-Builder shall submit a pre-Final Design to the Engineer, which shall include but not be limited to:
- 29.6.1. Updated and incorporated information and comments from the 100 percent design Submittal.
 - 29.6.2. Comments from permitting agencies, including a log of comments and responses.
 - 29.6.3. 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.
 - 29.6.4. City will review the Pre-Final Design and return comments to the Design-Builder. The Design-Builder shall, within 20 Working Days of receipt of City's comments, submit a Final (100%) Design to the Engineer, which shall include but not be limited to:
 - 1. Updated and incorporated comments from the Pre-Final Design Submittal.
 - 2. Final drawings and calculations must be stamped and signed by a professional engineer. Also, the City requires the original wet-signed mylars be held in City files as legal records of the Project.
 - 29.6.5. Final design drawings for construction of new facilities, and refurbishment and demolition of existing facilities.

29.7. Design Submittal Deliverables:

- 29.7.1.** 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.
- 29.7.2.** 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.
- 29.7.3.** 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.
- 29.7.4.** 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:

30% Submittal	
Title Block:	Drawing Number Title WBS Number
General:	North Arrow Scale
Existing Plan:	Ownership Lines Water Services and appurtenances Sewer Laterals and appurtenances Electric Lines, Boxes and Services Telco Lines, Boxes and Services Street Center Line Fire Services Lot Lines Right of Way Lines Street Names Stationing Trolley Tracks
Existing Profile:	Existing Water Mains Horizontal and Vertical Scale Elevation Scales Existing Grades / Existing Pavement Existing Utility Crossings with Elevations Street Names

60% Submittal	
Title Block:	Street Names and Limits
General:	Cover Sheet – Limits of Work
Proposed Plan:	Dimensioning Addresses Stationing Plugs and Dead End Details Pipe Sizes and Lengths Sewer Laterals Manholes
Proposed Profile:	Stationing Pipe Size and Lengths
Sewer:	Manhole with Inverts
Final Submittal (100%)	
Title Block:	Lambert Coordinates Designer's / Drafter's Name Number of Street
General:	Street Name (RT Margin) Proposed Pipe Data Table Proposed Coordinate Table Construction Notes Details Reference Data Retirement Data
Proposed Plan:	Special Plan Notes Subdivision Name Subdivision Map Number Block Numbers Street Closures Caution Call-outs Split-Property
Proposed Profile:	Special Profile Notes Traffic Control Plans
Additional Sheets	Applicable to 30%, 60% and Final (100%) Resurfacing Alignment Sheet BMP, Storm Drain Inlet Protection Plan Miscellaneous Details

- 29.8.** The Design-Builder shall use MS Word format for all word processing.
- 29.9.** The Design-Builder shall use MS Excel for all spreadsheets.
- 30. Community Relations and Public Outreach Program:**
- 30.1.** 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 Project Implementation Division's PIO section in the implementation of the public information and outreach program standards.
- 30.2.** 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.
- 30.3.** 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.
- 30.4.** The Key stakeholders are identified as the public and the City of San Diego, San Diego Unified School district, San Diego Metro Transit System, and the Mission Beach and Pacific Beach Community Planning Groups.
- 30.5.** The Community Relations Plan shall include the following scope and services but not limited to:
- 30.5.1.** 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.
- 30.5.2.** A method for construction notification in advance of the start of work.
- 30.5.3.** 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.
- 30.5.4.** Develop written list of follow-up information requested from the community.
- 30.5.5.** Respond to telephone calls and e-mails. Standard telephone service and e-mail responses. Record calls and e-mails on electronic tracking form.

- 30.5.6. 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.
- 30.5.7. Create and maintain online Project webpage and newsletters.
- 30.5.8. Write, edit, update and/or produce brochures, pamphlets and news releases.
- 30.5.9. Attend progress meeting and provide status of community relations activities.
- 30.5.10. 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.
- 30.5.11. 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.

31. Quality Assurance and Control:

- 31.1. The Design-Builder shall be completely and solely responsible for Project quality assurance and quality control. The minimum acceptable quality assurance and quality control plan is described in the Quality Assurance/Quality Control Plan Guidelines, attached hereto and incorporated herein as Attachment A, section 32 – Quality Assurance / Quality Control Guidelines.
 - 31.1.1. Design QA/QC - The Design-Builder shall be completely and solely responsible for Project quality assurance and quality control [QA/QC] during design.
 - 31.1.2. 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.
 - 31.1.3. 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.
 - 31.1.4. Construction QA/QC - The Design-Builder shall be completely and solely responsible for Project QA/QC during construction.

32. Quality Assurance / Quality Control Guidelines

32.1. General

- 32.1.1. 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.

- 32.1.2. 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.
- 32.1.3. 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.
- 32.1.4. 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.
- 32.1.5. 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.
- 32.1.6. 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.
- 32.1.7. 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.

32.2. QA/QC During Design

- 32.2.1. This Section describes the mandatory QA/QC Plan philosophies and procedures that the Design-Builder shall follow during design of the Project.
- 32.2.2. 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.

32.2.3. The Design-Builder shall include in its Proposal all costs necessary to meet this requirement.

32.2.4. 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.

32.3. QA/QC Plan:

32.3.1. 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.

32.3.2. 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 activities and requires documentation of the actual QA/QC Plan effort and related activities.

32.3.3. Design Review: The Design-Builder shall address all plan check comments received from the City and implement its QA/QC plan prior to re-submittals to the City for review. The Design-Builder shall submit documentation of the QA/QC efforts and related activities as discussed in item E Review and Comment Form, below.

32.3.4. 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:

32.3.5. 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.

32.3.6. 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.

32.3.7. 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.

32.3.8. 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.

32.3.9. 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.

32.4. QA/QC During Construction

32.4.1. 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.

32.4.2. 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.

32.4.3. 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.

32.4.4. 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.

32.4.5. 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.

32.4.6. 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.

32.4.7. 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.

32.4.8. 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.

32.4.9. 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.

32.4.10. Sample City QA/QC Checklists:

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

33. Noise Abatement and Control:

33.1. 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.

33.2. 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.

33.3. 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.

34. Project Meetings:

34.1. 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.

34.2. 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.

- 34.3.** 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. Actual dates and times will be determined by City.
 - 34.4.** 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, meetings with utility companies, and meetings with other City divisions or departments.
- 35. Red-lines:**
- 35.1.** The Design-Builder shall be responsible for Red-lines.
 - 35.2.** 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 wet stamped and signed by qualified responsible engineers registered in the State of California, and shall be stamped and wet signed by the architect/engineer of record, as required by law. Other applicable portions of the drawing title blocks shall also be signed by the Design-Builder. Drawing mylar shall be 3 mils minimum thickness.
 - 35.3.** Prior to Final Completion, the Design-Builder shall also submit:
 - 35.3.1.** Five complete full-sized sets of blueprint or copies of the final As-Built's.
 - 35.3.2.** 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.
- 36. Record Keeping:**
- 36.1.** 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.

- 36.2.** 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.
- 36.3.** 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.
- 36.4.** 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.
- 37. Required Test/Material Certificates:**
- 37.1.** 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.
- 38. Traffic Control:**
- 38.1.** If a Task Order is awarded, 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.
- 39. Reference Standards:**
- 39.1.** 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”)	2012	PITS070112-01
City of San Diego Standard Specifications for Public Works Construction (“The WHITEBOOK”)*	2012	PITS070112-02
City of San Diego Standard Drawings*	2012	PITS070112-03
Caltrans Standard Specifications	2010	PITS070112-04
Caltrans Standard Plans	2010	PITS070112-05
California MUTCD	2012	PITS070112-06
City Standard Drawings – Standard Drawing Updates Approved For Use*	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: http://www.sandiego.gov/publicworks/edocref/index.shtml		

40. Bridging Documents:

40.1. The following is a list of the Bridging Documents for this project available at: <ftp://ftp.sannet.gov/OUT/GJ814%20MACC%20Task%202/>

40.1.1. Addendum to Mitigated Negative Declaration No. 255100, SCH No. 20110910465

40.1.2. Sewer & Water GJ 814

1. GJ814_ Location Map
2. GJ814 – City Survey (PM to provide CD upon request)
3. PE Report GJ814 Site 1 (Planning Report)
4. Predesign CMP Map
5. Predesign Constraints Map
6. Predesign OCI Index Map
7. Predesign Paving Conflict Map
8. Predesign Project Coordination Map
9. PUD Referral List Map
10. Revised ADA Prelim Eng Report GJ814
11. Sewer & Water Group 814 Modeling Report
12. Sewer & Water Group 814 PDS
13. Sewer & Water Group 814 PDW
14. Sewer & Water Group 814 ADT Traffic Count
15. Submittal Deviation Request Form (Attachment A, 11.1)
16. Design Review Comments Log (Attachment A, 5.1)

ATTACHMENT B
PROPOSAL SUBMITTAL REQUIREMENTS, AND SELECTION CRITERIA

ATTACHMENT B

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. Project Team (10 Points Max)

- 4.1 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.

5. Technical Approach and Design Concept (30 Points Max)

- 5.1 Describe in detail the proposed design concept for this Project. Include detailed descriptions, conceptual design drawings, schematics, a list of major equipment, and any other information deemed necessary to allow the City to make an informed evaluation of the Design-Builder's technical approach. The completeness and technical merit of the design concept will be evaluated.
- 5.2 The following elements shall be included in the Technical Proposal:
 - 5.2.1 Pipeline alignment, sizes and locations of appurtenances.

- 5.2.2 Traffic Control Approach - The Design-Builder shall describe its general approach to developing a traffic control and local access management plan (Traffic Control Plan).
- 5.2.3 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.
- 5.2.4 Paving Restoration.
- 5.2.5 Water highlining plan for each site
- 5.2.6 Phasing of design and construction work of each site separately
- 5.2.7 Curb Ramp Design and Installation plan pursuant to the ADA Preliminary Engineering report (part of the bridging documents) and highlight any Modification, if any.
- 5.2.8 Phasing and Coordination with Adjacent Projects
- 5.2.9 Storm Water Pollution Control Best Management Practices.
- 5.2.10 Subsurface Investigation and Geotechnical Work.
- 5.2.11 Proposed Design Schedule: Outline the proposed design schedule, including sequencing of each major design component (30%, 60%, 100%, Final Design) and proposed durations.
- 5.2.12 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) AC Patching for Slurry Seal - __TON
 - 4) Damaged AC Pavement Replacement - __SF
 - 5) Additional Curb & Gutter - __LF
 - 6) Additional Sidewalk Removal & Replacement - __SF
 - 7) Additional Pavement Removal & Disposal - __CY
 - 8) Dewatering - __Gallons

6. Construction Plan (30 Points Max)

6.1 Describe the proposed construction plan for this Project, including the following, at a minimum:

- 6.1.1** Construction approach and methods
- 6.1.2** Plan for operation of facility during construction
- 6.1.3** Plan for phasing of construction activities
- 6.1.4** General plan for functional testing and start-up.
- 6.1.5** Proposed safety program
- 6.1.6** Proposed emergency response plan
- 6.1.7** Water highlining plan for each site
- 6.1.8** Phasing of design and construction work of each site separately
- 6.1.9** Proposed construction schedule
- 6.1.10** Traffic Control Management
- 6.1.11** Community Impact

6.2 Project Coordination - The Design-Builder shall identify the following:

- 6.2.1** The processes and procedures it will use to ensure that all Work is properly coordinated.
- 6.2.2** 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.
- 6.2.3** The design coordination system between drawings and specifications and disciplines.
- 6.2.4** The system for tracking questions and responses.
- 6.2.5** The system for coordinating work among subcontractors and equipment manufacturers.

6.3 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.

- 6.4** 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.
- 6.5** 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. For each recommendation, the percentage of your price proposal or time would be saved.

7. Community Outreach Plan (30 Points Max)

- 7.1** 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.
- 7.2** Community Coordination – Due to the summer moratoriums, how do you plan to phase the project and keep the community informed?
- 7.3** 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?
- 7.4** Residents and Visitors – how will traffic and bus stops be impacted? How will you minimize the impacts?
- 7.5** 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.

ATTACHMENT C
SUPPLEMENTARY SPECIAL PROVISIONS (SSP)

SUPPLEMENTARY SPECIAL PROVISIONS

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

- 1) Standard Specifications for Public Works Construction (The GREENBOOK) currently in effect.
- 2) The City of San Diego Standard Specifications for Public Works Construction (The WHITEBOOK).

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

1-2 TERMS AND DEFINITIONS.

Normal Working Hours. To the City Supplement, ADD the following:

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

ADD the following:

Proposer – See Contractor.

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: (1) base proposal alone or (2) base proposal and any additive or deductive alternate(s) that together when added or deducted form the basis of award.

2-5.3.2 Working Drawings. TABLE 2-5.3.2(A), ADD the following:

Item	Section No.	Title	Subject
17	306-1.6	Water Valve Bypass for Mainlines 16” and Larger	SDW-154*

* Note: The distance dimensions shown between the bypass pipes and between bypass pipes and the mainlines are subject to change to field conditions.

ADD:

2-16 CONTRACTOR REGISTRATION AND ELECTRONIC REPORTING SYSTEM.

1. **Prior** to the Award of Contract or each Task Order, you and your Subcontractors and Suppliers **must** register with Prism®, the City’s web-based contract compliance portal at:

<https://pro.prismcompliance.com/default.aspx>.

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.

SECTION 4 - CONTROL OF MATERIALS

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

You must submit your list of proposed substitutions for “an equal” (“or equal”) item(s) **no later than 5 Working Days after the determination of the Apparent Low Proposer** and on a City form when provided by the City.

SECTION 6 - PROSECUTION, PROGRESS AND ACCEPTANCE OF WORK

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

Do not work in the areas where there is currently a moratorium issued by the City. The areas subject to moratorium are listed here:

Entire project is subject to the summer beach moratorium from Memorial Day weekend to Labor Day weekend

SECTION 7 - RESPONSIBILITIES OF THE CONTRACTOR

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

The insurance provisions herein must 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 must 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. Payment for insurance is included in the various items of Work as proposed by you, and 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 must 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 must 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 must be no endorsement or modification limiting the scope of coverage for either “insured vs. insured” claims or contractual liability. You must maintain the same or equivalent insurance for at least 10 years following completion of the Work.
4. All costs of defense must be outside the policy limits. Policy coverage must 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 must 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 must be outside the limits of the policy.

7-3.2.3 Contractors Pollution Liability Insurance.

1. You must procure and maintain at your expense or require 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 must be outside the limits of the policy. Any such insurance provided by Subcontractor instead of you must be approved separately in writing by the City.
3. For approval of a substitution of Subcontractor’s insurance, you must 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 must not exceed \$25,000 per claim.
4. Contractual liability must include coverage of tort liability of another party to pay for bodily injury or property damage to a third person or organization. There must 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 must be procured before the Work commences and must be maintained for the Contract Time. Claims Made policies must be procured before the Work commences, must be maintained for the Contract Time, and must include a 12 month extended Claims Discovery Period applicable to this contract or the existing policy or policies must 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 must 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 must 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 must 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 must 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.

- a) You must 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.
- b) To the fullest extent allowed by law e.g., California Insurance Code §11580.04, the policy must be endorsed to include the City and its respective elected officials, officers, employees, agents, and representatives as additional insured.
- c) The additional insured coverage for Projects for which the Engineer’s Estimate is \$1,000,000 or more must 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.
- d) The additional insured coverage for Projects for which the Engineer’s Estimate is less than \$1,000,000 must 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 must 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 must provide that any insurance maintained by the City and its elected officials, officers, employees, agents and representatives must be in excess of your insurance and must not contribute to it.

7-3.5.1.3 Project General Aggregate Limit.

The policy or policies must 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 must reduce the Designated Construction Project General Aggregate Limit. The Designated Construction Project General Aggregate Limit must 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 must 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.

- a) 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 must 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.
- b) 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 is 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 must 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 must 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 must be in excess of your insurance and must not contribute to it.
- 7-3.5.3.3 Severability of Interest.** For Contractors Pollution Liability Insurance, the policy or policies must provide that your insurance must 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 must provide cross-liability coverage.
- 7-3.6 Deductibles and Self-Insured Retentions.** You must pay for all deductibles and self-insured retentions. You must 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 must 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 must 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), etc. by the Contractor) for all of your employees or Subcontractors who provide professional engineering services under this contract, you must keep or must require its Subcontractor keep in full force and effect, Professional Liability coverage with a limit of **\$1,000,000** per claim and **\$2,000,000** annual aggregate.
 2. You must ensure both that: (a) the policy retroactive date is on or before the date of commencement of the Project; and (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 must (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 must 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 must 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 require 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 must 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 must 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.

7-8.6 Water Pollution Control. ADD the following:

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

7-10.2.2 ENGINEERED Traffic Control Plans Provided by the Contractor. To the City Supplements, ADD the following:

Engineered "D" size TCP are required for the following areas:

1. Mission Boulevard

7-10.5.3 Steel Plate Covers. Table 7-10.5.3(A), REVISE the plate thickness for 5'-3" trench width to read 1 3/4".

7-15 INDEMNIFICATION AND HOLD HARMLESS AGREEMENT. To the City Supplements, fourth paragraph, last sentence, DELETE in its entirety and SUBSTITUTE with the following:

Your duty to indemnify and hold harmless does not include any claims or liability arising from the established active or sole negligence, or willful misconduct of the City, its officers, or employees.

SECTION 9 - MEASUREMENT AND PAYMENT

9-3.2.5 Withholding of Payment. To the City Supplement, item i), DELETE in its entirety and SUBSTITUTE with the following:

- i) Your failure to comply with 7-2.3, "PAYROLL RECORDS" and 2-16, "CONTRACTOR REGISTRATION AND ELECTRONIC REPORTING SYSTEM."

ADD:

9-3.7 Compensation Adjustments for Price Index Fluctuations. This Contract is not subject to the provisions of The WHITEBOOK for Compensation Adjustments for Price Index Fluctuations for the paving asphalt.

SECTION 203 – BITUMINOUS MATERIALS

203-15 RUBBER POLYMER MODIFIED SLURRY (RPMS). RPMS shall be used on this contract.

SECTION 207 – PIPE

207-27 FUSIBLE NON-PRESSURE POLYVINYLCHLORIDE PIPE. DELETE in its entirety.

SECTION 209 – STREET LIGHTING AND TRAFFIC SIGNAL MATERIALS

209-6.4 Induction Cobra Head Luminaire. To the City Supplements, CORRECT certain section numbering as follows:

OLD SECTION NUMBER	TITLE	NEW SECTION NUMBER
209-6.4.7	Luminaire Identification	209-6.4.8
209-6.4.8	Photometric Documentation	209-6.4.9
209-6.4.9	Quality Assurance	209-6.4.10

SECTION 300 – EARTHWORK

300-1.4 **Payment.** To the City Supplements, item #2, DELETE in its entirety and SUBSTITUTE with the following:

2. Payment for existing pavement removal and disposal of up to 12” thick, within the excavation e.g., trench limits, shall be included in the Proposal item for installation of the mains or the Work item that requires pavement removal.

SECTION 302 – ROADWAY SURFACING

302-3 **Preparatory Repair Work.** To the City Supplement, DELETE in its entirety and SUBSTITUTE with the following:

302-3 **Preparatory Repair Work.**

1. Prior to roadway resurfacing or the application of slurry, the Contractor shall complete all necessary preparation and repair work to the road segment e.g., tree trimming, weed spray, weed abatement, crack sealing, asphalt repair, hump removal, miscellaneous asphalt patching, removal of raised pavement markers, removal of pavement markings, etc. and as specified in the Special Provisions.
2. Preparatory work shall include, but not be limited to, tree trimming, weed spray, weed abatement, crack sealing, asphalt repair i.e., mill and pave, hump removal, miscellaneous asphalt patching, removal of raised pavement markers, removal of pavement markings, etc.
3. The Contractor shall repair areas of distressed asphalt concrete pavement by milling or removing damaged areas of pavement to a minimum depth of 2” for Residential streets, and a minimum depth of 3” for all others to expose firm and unyielding pavement. The Contractor shall prepare subgrade as needed and install a minimum of 2” for residential streets, and a minimum of 3” for all others, of compacted asphalt concrete pavement over compacted native material as directed by the Engineer.
4. If, in order to achieve the minimum specified depth, the base material is exposed, the material shall be compacted to 95% relative compaction to a depth 10” below the finished grade (dig out). Compaction tests shall be made to ensure compliance with the specifications. The Engineer will determine when and where the test will occur. The City will pay for the soils testing required by the Engineer, which meets the required compaction. The Contractor shall reimburse the City for the cost of retesting failing compaction tests. If additional base material is required, the Contractor shall use Class 2 Aggregate Base in accordance with 200-2.2, “Crushed Aggregate Base.”
5. Recycled base material shall conform to Crushed Miscellaneous Base Material in accordance with 200-2.4, “Crushed Miscellaneous Aggregate Base.”
6. Prior to replacing asphalt, the area shall be cleaned by removing all loose and damaged material, moisture, dirt, and other foreign matter and shall be tack coated in accordance with 302-5.4 “Tack Coat.”

7. The Contractor shall install new asphalt within the repair area or for patches in accordance with 302-5, "ASPHALT CONCRETE PAVEMENT." Asphalt concrete shall be C2-PG 64-10 in compliance with 400-4, "ASPHALT CONCRETE."
8. No preparatory asphalt work shall be done when the atmospheric temperature is below 50 °F or during unsuitable weather.
9. Following the asphalt placement, the Contractor shall roll the entire area of new asphalt in both directions at least twice. The finished patch shall be level and smooth in compliance with 302-5.6.2 "Density and Smoothness." After placement and compaction of the asphalt patch, the Contractor shall seal all finished edges with a 4" wide continuous band of SS-1H.
10. The minimum dimension for each individual repair shall be 4' x 4' and shall be subject to the following conditions:
 - a) If the base material is exposed to achieve the required minimum removal thickness, the base material shall be prepared conforming to 301-1, "SUBGRADE PREPARATION."
 - b) When additional base material is required, then the contractor shall use Class 2 Aggregate Base in accordance with 200-2.2, "Crushed Aggregate Base." Recycled base material shall conform to Crushed Miscellaneous Base Material in accordance with 200-2.4, "Crushed Miscellaneous Base."
 - c) The Contractor may use grinding as a method for removal of deteriorated pavement when the areas indicated for removal are large enough (a minimum of the machine drum width) and when approved by the Engineer.
 - d) For both scheduled and unscheduled base repairs, failed areas may be removed by milling or by excavation provided that the edges are cut cleanly with a saw. The areas shall be cleaned and tack coated in accordance with 302-5.4, "Tack Coat" before replacing the asphalt. The areas for scheduled repairs have been marked on the street.

302-3.1 Asphalt Patching.

1. Asphalt patching shall consist of patching potholes, gutter-line erosion, and other low spots in the pavement that are deeper than ½" per 302-5.6.2, "Density and Smoothness." These areas are generally smaller and more isolated than those areas in need of mill and pave.
2. The areas requiring patching have been identified in the Contract Documents, marked on the streets, or as directed by the Engineer. The Contractor shall identify any new areas that may require patching prior to slurry work to ensure the smoothness and quality of the finished product.
3. The Contractor shall identify and repair any areas that may require patching, prior to the placement of slurry seal for smooth finished product.
4. Asphalt overlay shall not be applied over deteriorated pavement. Preparatory asphalt work shall be completed and approved by the Engineer before proceeding with asphalt overlay.

5. The Contractor shall remove distressed asphalt pavement either by saw cutting or milling, to expose firm and unyielding pavement; prepare subgrade (as needed); and install compacted asphalt concrete pavement over compacted native material as directed by the Engineer.
6. Prior to replacing asphalt, the area shall be cleaned and tack coated per 302-5.4, "Tack Coat".
7. Following the asphalt placement, the Contractor shall roll the entire patch in both directions covering the patch at least twice.
8. After placement and compaction of the asphalt patch, the Contractor shall seal all finished edges with a 4" wide continuous band of SS-1H.
9. Base repairs shall not exceed 20% RAP in content.

302-3.2 Payment.

1. Payment for replacement of existing pavement when required shall be included in the unit bid price for Asphalt Pavement repair for the total area replaced and no additional payment shall be made regardless of the number of replacements completed. No payment shall be made for areas of over excavation or outside trench areas in utility works unless previously approved by the Engineer. No payment for pavement replacement will be made when the damage is due to the Contractor's failure to protect existing improvements. The Contractor shall reimburse the City for the cost of retesting all failing compaction tests.
2. The areas and quantities shown on the road segments and in appendices are given only for the Contractor's aid in planning the Work and preparing Bids. The Engineer will designate the limits to be removed and these designated areas shall be considered to take precedent over the area shown in an Appendix to the Contract Documents. The quantities shown in the appendices are based on a street assessment survey and may vary.
3. At the end of each day, the Contractor shall submit to the Engineer an itemized list of the asphalt pavement repair work completed. The list shall include the location of the work and the exact square footage of the repair.
4. Preparatory repair work and tack coating will be paid at the Contract unit price per ton for Asphalt Pavement Repair. No payment shall be made for areas of over excavation unless previously approved by the Engineer.
5. Milling shall be included in the Bid item for Asphalt Pavement Repair unless separate Bid item has been provided.
6. Payment for miscellaneous asphalt patching shall be included in the Contract unit price for slurry and no additional payment shall be made therefore.

302-5.1.1 Damaged AC Pavement Replacement. To the City Supplement, DELETE in its entirety.

302-5.1.2 Measurement and Payment. To the City Supplement, DELETE in its entirety.

SECTION 306 – UNDERGROUND CONDUIT CONSTRUCTION

306-1 OPEN TRENCH OPERATIONS. To the City Supplements, CORRECT certain section numbering as follows:

OLD SECTION NUMBER	TITLE	NEW SECTION NUMBER
306-1.8	House Connection Sewer (Laterals) and Cleanouts	306-1.9
306-1.7.1	Payment	306-1.9.1
306-1.7.2	Sewer Lateral with Private Replumbing	306-1.9.2
306-1.7.2.1	location	306-1.9.2-1
306-1.7.2.2	Permits	306-1.9.2-2
306-1.7.2.3	Submittals	306-1.9.2-3
306-1.7.2.4	Trenchless Construction	306-1.9.2-4
306-1.7.2.5	Payment	306-1.9.2-5
306-1.7.3.6	Private Pump Installation	306-1.9.2-6
306-1.7.3.7	Payment	306-1.9.2-7

306-1.6.1 Basis of Payment for Open Trench Installations. ADD the following:

Payment for imported backfill when the Contractor elects to import material from a source outside the Project limits and when authorized by the Engineer shall be included in the Proposal unit price for Imported Backfill. The price shall include the removal and disposal of unsuitable materials.

306-20.8 Carrier Pipe. To the City Supplement, DELETE in its entirety and SUBSTITUTE with the following:

Carrier pipe materials shall be approved by the Engineer. The Contractor shall use only HDPE. The Contractor shall furnish and install a structurally sound, leak-proof, fusible high density polyethelene pipe, for all piping identified for installation by horizontal directional drilling. The Contractor shall be responsible for the sizing of the carrier pipe to withstand all installation forces, curvature, and residual forces and final in place loading. The selected material shall have an inside diameter no less than stated on the drawings. Individual pipe lengths shall be assembled by butt-fusion unless otherwise specified.

306-22 Pipe Fusion. DELETE in its entirety.

705-2.6.3 Community Health and Safety Plan. To the City Supplements, DELETE in its entirety and SUBSTITUTE with the following:

705-2.6.3 Community Health and Safety Plan. See 703-2, “Community Health and Safety Plan.”

705-2.6.1 General. Paragraph (3), CORRECT reference to Section 803 to read “Section 703.”

ADD:

707-1.1 Environmental Document. The City of San Diego Environmental Analysis Section (EAS) of the Development Services Department has prepared an ADDENDUM to Mitigated Negative Declaration (MND) No. 255100, Project No. 310645, Sewer & Water Group 814. You must comply with all requirements of the MND.

Compliance with the City’s environmental document is included in the various Proposal items, unless a proposal item has been provided.

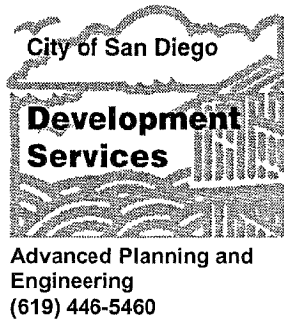
END OF SUPPLEMENTARY SPECIAL PROVISIONS (SSP)

SUPPLEMENTARY SPECIAL PROVISIONS

APPENDICES

APPENDIX A

ADDENDUM TO MITIGATED NEGATIVE DECLARATION



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

Project No. 310645

SUBJECT: Sewer and Water Group 814: DEVELOPMENT SERVICES DEPARTMENT APPROVAL to allow for the replacement of approximately 17,599 total linear feet (LF) of sewer and water mains and would replace cast iron pipes with new PVC pipes. The sewer portion consists of the installation of 4,156 LF of 8" pipe, 2,533 LF of 10" pipe, 44 manholes, 44 replumbs and 155 sewer laterals. The rehabilitation method would be utilized for 420 LF of 8" pipe, 200 LF 10" pipe, and three (3) manholes. The water portion consists of the installation of 6,167 LF of 12" pipe, 4,323 LF of 8" pipe, and 210 water services. Construction of the project would affect portions of the following streets and adjacent alleys in the Mission Beach and Pacific Beach Community Plan Area: Mission Beach – Mission Bay Drive to Rockaway Court between Bayside Lane and Strandway including Santa Clara Place. Pacific Beach - Diamond Street to Pacific View Drive between Mission Boulevard and Ocean Boulevard. Applicant: City of San Diego, Public Works – Engineering & Capital Projects Department, Right of Way Design Division.

I. PROJECT DESCRIPTION:

All the streets would be repaved according to the street condition and material. All but 200 LF of sewer mains, lies within a paved public right-of-way. These 200 LF are located in the City of San Diego, Park and Recreation jurisdiction. The project would utilize a trenchless construction method (rehabilitation), so there would be no impact to the park. The sewer portion consists of the installation of 4,156 LF of 8" pipe, 2,533 LF of 10" pipe, 44 manholes, 44 replumbs and 155 sewer laterals. The rehabilitation method would be utilized for 420 LF of 8" pipe, 200 LF 10" pipe and three manholes. The new mains would be between 3' to 18' deep. The water portion consists of the installation of 6,167 LF of 12" pipe, 4,323 LF of 8" pipe and 210 water services. Trench depths would vary from 3 to 18 feet, widths would be 3 feet with a proposed lengths of 17,599 LF. The sewer main to be abandoned in the Pacific Beach area would be 1,658 LF.

All work would occur within the public right-of-way (ROW) in developed streets and alleys. Activated work hours would occur during the daytime, Monday through Friday. The project would comply with the requirements described in the *Standard Specifications for Public Works Construction*, and California Department of Transportation *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 be located in the public right-of-way with a segment within the Park and Recreation jurisdiction and is not in or adjacent to the City's Multi-Habitat Planning Area (MHPA) within the Mission Beach and Pacific Beach Community Plan Area and would affect the following streets and adjacent alley ways: Mission Beach – Mission Bay Drive to Rockaway Court between Bayside Lane and Strandway including Santa Clara Place. Pacific Beach - Diamond Street to Pacific View Drive between Mission Boulevard and Ocean Boulevard. (Figures 1 and 2).

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 before the date of application shall be distributed for public review for 14 calendar days along with the previously certified environmental document. Therefore this addendum is not being 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 project alignments. No archaeological resources were identified within the project areas. However, Sewer and Water Group 814 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

Paleontological resources were analyzed in the MND 255100 which included mitigation to reduce impacts to paleontological resources to below a level of significance. The Bay Point geologic formation underlies the project area. The geologic Bay Point formation underlies the Sewer and Water Group 814. With respect to paleontological

fossil resource potential, the Bay Point formation is assigned a high sensitivity. Based on the sensitivity of the affected formation and the proposed excavation depths, construction of Sewer Group 814 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. No public review of this addendum is required.

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

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. 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. 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. 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 (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 CSV 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)

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 (CSVSR). The CSVSR'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.

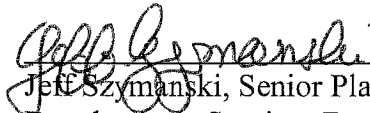
- d. The PI shall immediately contact the RE and MMC, or by 8AM of the next business day to report and discuss the findings as indicated in Section III-B, unless other specific arrangements have been made.
- B. If night and/or weekend work becomes necessary during the course of construction
 - 1. The 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.


 Jeff Szymanski, Senior Planner
 Development Services Department

March 28, 2013
 Date of Final Report

Analyst: Natalie de Freitas

Attachments:

Figure 1: Location Map - Pacific Beach for Sewer and Water Group 814
 Figure 2: Location Map - Mission Beach for Sewer and Water Group 814
 Mitigated Negative Declaration #255100

The Addendum to Mitigated Negative Declaration No. 255100 was not distributed for public review pursuant to San Diego Municipal Code (SDMC) Chapter 6, Article 9, Paragraph 69.0211 (Addenda to Environmental Reports). The SDMC requires that addenda to environmental documents certified more than three years previously are to be distributed by Development Services Department (DSD) for a fourteen calendar-day public review period, along with the previously certified environmental document. Because the Mitigated Negative Declaration 255100 was certified on November 30, 2011, which is within the three year timeline, no

additional public review is required. The final Addendum was distributed to the following groups and individuals for public disclosure in accordance with CEQA Section 15164.

VI. DISTRIBUTION:

Copies or notice of this Addendum were distributed to:

City of San Diego

- Council Member Faulconer, District 2
- City Attorney
 - Shannon Thomas (MS 93C)
- Development Services Department
 - Helene Deisher (MS 501)
 - Jeff Szymanski (MS 501)
- Historic Resources Board (87)
- City of San Diego, Public Works – Engineering & Capital Projects Department
 - Chris Gascon (MS 908A)
 - Lee Ruiz (MS 908A)
 - James Arnhart (MS 908A)
- Library Dept.-Gov. Documents MS 17 (81)
 - Ocean Beach Branch Library (MS 17)
 - Pacific Beach/Taylor Branch Library (MS 17)

Other

- Mission Beach Precise Planning Board (325)
- Pacific Beach Town Council (374)
- Pacific Beach Planning Group (375)
- Beach and Bay Press (326A)
- San Diego Gas and Electric (114)
- San Diego Natural History Museum (166)
- South Coastal Information Center (210)
- San Diego Historical Society (211)
- San Diego Archaeological Center (212)
- Save Our Heritage Organisation (214)
- San Diego County Archaeological Society, Inc. (218)
- Carmen Lucas (206)
- Clint Linton (215b)
- Ron Christman (215)
- Louie Guassac (215A)
- Frank Brown (216)
- Kumeyaay Cultural Heritage Preservation (223)
- Kumeyaay Cultural Repatriation Committee (225)
- Native American Distribution (NOTICE ONLY 225A-R)

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.



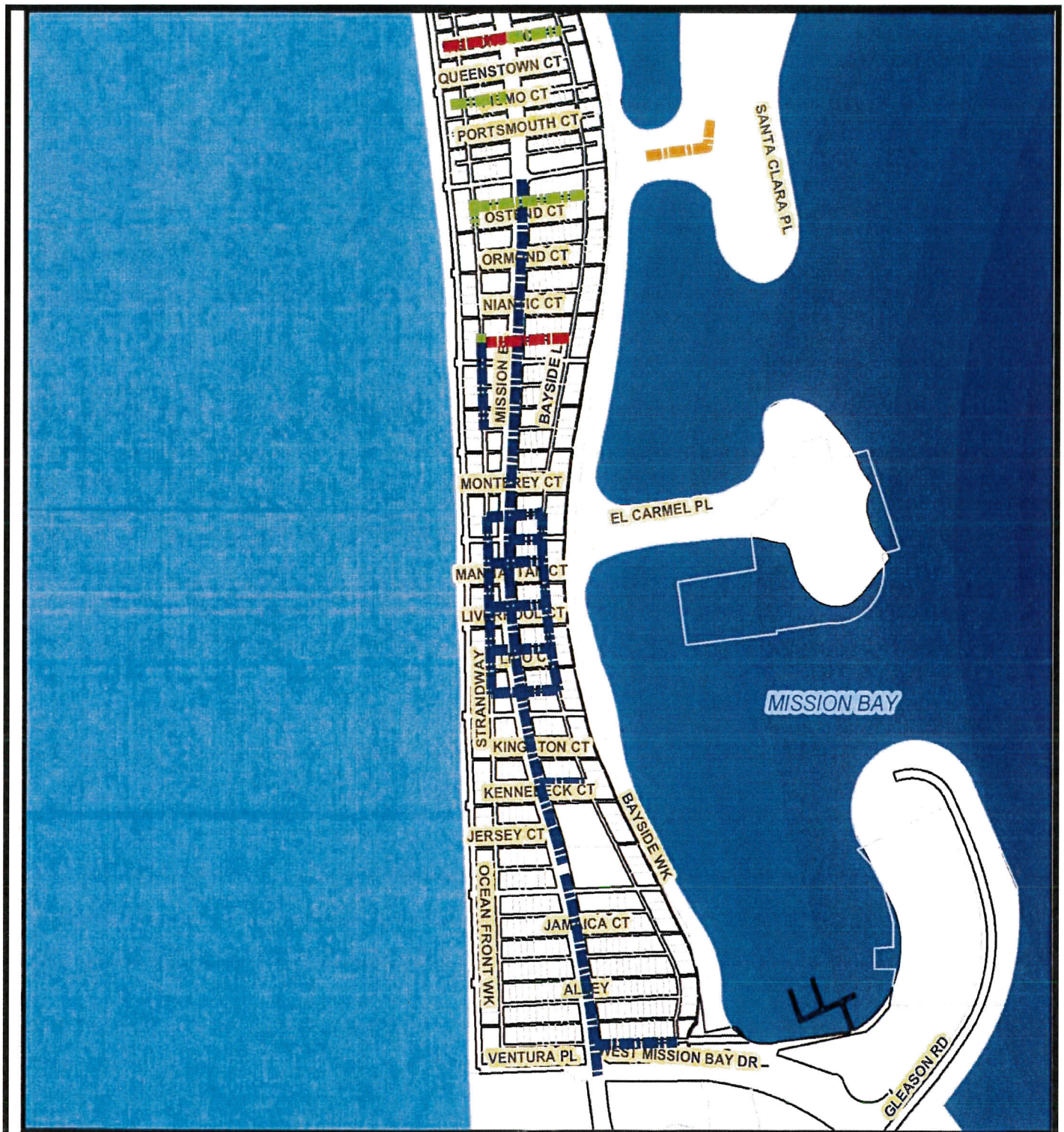
Location Map

Sewer and Water Group 814/Project No. 310645

City of San Diego – Development Services Department

FIGURE

No. 1



LEGEND:

- Sewer Main Replacement - 
- Water Main Replacement - 
- Sewer and Water Main Replacement - 
- Sewer Main Rehabilitation - 



Location Map

Sewer and Water Group 814/Project No. 310645
 City of San Diego – Development Services Department

FIGURE

No. 2



ENTITLEMENTS DIVISION
(619) 446-5460

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

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 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 1st and 2nd 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, 25th Street, and 27th 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 east 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 east 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: 42nd Street, Monroe Avenue, Edgeward Road, Polk Avenue, Orange Avenue, Menlo Avenue, 47th Street, Dwight Street, Myrtle Avenue, Manzanita Place, Heather Street, Dahlia Street, Poplar Street, Columbine Street, Pepper Drive, Juniper Street, Marigold Street, Sumac Drive, 44th 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><u>Issue Area</u></i>	<i><u>Document submittal</u></i>	<i><u>Associated Inspection/Approvals/Note</u></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 envirnmt)
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 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 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 a~~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 a 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

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

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

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

B. Discovery Notification Process

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

C. Determination of Significance

1. The PI and Native American consultant/monitor, where Native American resources are discovered shall evaluate the significance of the resource. If Human Remains are involved, follow protocol in Section IV below.
 - a. The PI shall immediately notify MMC by phone to discuss significance determination and shall also submit a letter to MMC indicating whether additional mitigation is required.
 - b. If the resource is significant, the PI shall submit an Archaeological Data Recovery Program (ADRP) and obtain written approval of the program from MMC, CM and RE. ADRP and any mitigation must be approved by MMC, RE and/or CM before ground disturbing activities in the area of discovery will be allowed to resume. **Note: If a unique archaeological site is also an historical resource as defined in CEQA Section 15064.5, then the limits on the amount(s) that a project applicant may be required to pay to cover mitigation costs as indicated in CEQA Section 21083.2 shall not apply.**
 - (1). Note: For pipeline trenching and other linear projects in the public Right-of-Way, the PI shall implement the Discovery Process for Pipeline Trenching projects identified below under "D."
 - c. If the resource is not significant, the PI shall submit a letter to MMC indicating that artifacts will be collected, curated, and documented in the Final Monitoring Report. The letter shall also indicate that that no further work is required.

- (1). Note: For Pipeline Trenching and other linear projects in the public Right-of-Way, if the deposit is limited in size, both in length and depth; the information value is limited and is not associated with any other resource; and there are no unique features/artifacts associated with the deposit, the discovery should be considered not significant.
- (2). Note, for Pipeline Trenching and other linear projects in the public Right-of-Way, if significance 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.

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. 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. 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. 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

- (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 contactor 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 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)

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

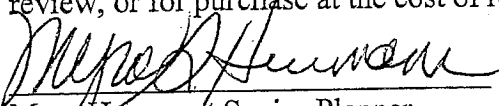
San Diego Unified Port District (109)
San Diego County Regional Airport Authority (110)
San Diego transit Corporation (112)
San Diego Gas & Electric (114)
Metropolitan Transit Systems (115)
San Diego Unified School District (125/132)
San Ysidro Unified School District (127)
San Diego Community College 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)

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

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

Madame G. Brown Jr.
 Governor



Ken Alex
 Director

RESPONSE TO COMMENTS

CALIFORNIA STATE CLEARINGHOUSE 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:

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(c) 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) 445-0613 if you have any questions regarding the environmental review process.

Sincerely,


Scott Morgan
 Director, State Clearinghouse

Enclosures
 cc: Resources Agency

1400 TENTH STREET P.O. BOX 3044 SACRAMENTO, CALIFORNIA 95812-3044
 TEL (916) 445-0018 FAX (916) 323-9018 www.ppr.ca.gov

1. Comment acknowledged no response is necessary.

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

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, 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 619 446 5324
 email
 Address 1222 First Avenue, MS-501
 City San Diego State CA Zip 92101
 Fax

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.

RESPONSE TO COMMENTS

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

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4
Date Received 09/14/2011 Start of Review 09/14/2011 End of Review 10/13/2011

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

DEPARTMENT OF TRANSPORTATION

DISTRICT II
PLANNING DIVISION
4050 TAYLOR STREET, MS 240
SAN DIEGO, CA 92110
PHONE (619) 688-6960
FAX (619) 688-4299
TTY 711

www.dot.ca.gov

September 28, 2011

RECEIVED
SEP 29 2011
STATE CLEARING HOUSE

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

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

11/10/11
10/10/11

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:

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.

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.

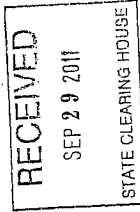
NATIVE AMERICAN HERITAGE COMMISSION

1500 CAPITOL WALL, ROOM 364
SACRAMENTO, CA 95814
Tel: (916) 857-5300
Fax: (916) 857-5300
Web Site: www.nahc.ca.gov
e_nahc@pacbell.net

o'leat
10/13/2011
8

RESPONSE TO COMMENTS

NATIVE AMERICAN HERITAGE COMMISSION (9/29/2011)



September 27, 2011

Mr. Jeffrey Szymanski, Environmental Planner
City of San Diego Development Services Department
2222 First Avenue, MS 501
San Diego, CA 92101

- 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 be added to the City's list for distribution of draft environmental documents which include a discussion of archaeological and/or Native American cultural resources.

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. 3rd 604). 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 §5097.9.

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

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

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. 3001-30013) as appropriate. The 1992 Secretary of the Interiors 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. 11593 (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.

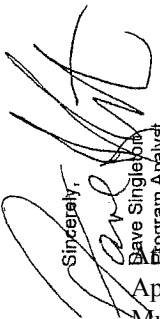
If you have any questions about this response to your request, please do not hesitate to contact me at (916) 653-6251.

- 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

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Sincerely,


Dave Singletary
Program Analyst
State Clearinghouse

Attachment: Native American Contact List

Jamul Indian Village
Kenneth Meza, Chairperson
P.O. Box 612
Jamul, CA 91935
amulrez@sctdv.net
(619) 659-4785
(619) 659-48178 - Fax

Diegueno/Kumeyaay

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

Kumeyaay Cultural Heritage Preservation
Pablo Cuero
38890 Church Road, Suite 5
Alpine, CA 91906
(619) 478-9046
(619) 478-9505
(619) 478-5818 Fax

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

Inaja Band of Mission Indians
Rebecca Osuna, Spokesperson
2005 S. Escondido Blvd.
Escondido, CA 92025
(760) 737-7628
(760) 747-8568 Fax

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

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

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

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This list is current only as of the date of this document.
Distribution of this list does not relieve any person of the statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.96 of the Public Resources Code.

This list is applicable for contacting local Native Americans with regard to cultural resources for the proposed CH#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

ona Group of the Capitan Grande
win Romero, Chairperson
15 Barona Road Diegueno
Reside, CA 92040
@sanpasqualband.com
619 445-2612
619 445-5681

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

Viejas Band of Mission Indians
Cecilyn Parada, Chairperson
PO Box 1120 Diegueno/Kumeyaay
Legend, CA 91905
arada@lapostacasino.com
619 478-2113
619 478-2125

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

San Pasqual Band of Mission Indians
Pete Lawson, Chairperson
PO Box 365 Diegueno
Cultural Center, CA 92082
info@sanpasqualband.com
619 49-3200
619 49-3876 Fax

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

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

Diegueno
Campo Kumeyaay Nation
Monique LaChappa, Chairperson
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mlachappa@campo-nsn.gov
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in 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.

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#2011091045; CEQA Notice of Completion; proposed Mitigated Negative Declaration for the Citywide Pipelines Projects 2011; located
City of San Diego; San Diego California.

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

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

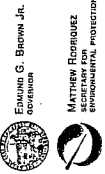
Kumeyaay Diegueno Land Conservancy
P.O. Box 1992
Alpine, CA 91903
jessac@onebox.com
(619) 952-8430

Inter-Tribal Cultural Resource Council
Frank Brown, Coordinator
2433 Brown Road
Alpine, CA 91901
FIREFIGHTER69TFF@AOL.COM
(619) 884-8437

Multiple Award Construction Contract (MACC) for Sewer & Water Group 814

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This list is current only as of the date of this document.
Distribution of this list does not relieve any person of the statutory responsibility as defined in Section 7050.5 of the Health and Safety Code, Section 5097.94 of the Public Resources Code and Section 5097.98 of the Public Resources Code.
This list is applicable for contacting local Native Americans with regard to cultural resources for the proposed CH#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.



State Water Resources Control Board

OCT 10 2011

Jeffrey Szymanski, Associate Planner
City of San Diego, Development Services Department
2222 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.

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.

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. HOPPIN, CHAIRMAN | THOMAS HOWARD, EXECUTIVE DIRECTOR
1001 I Street, Sacramento, CA 95814 | Mailing Address: P.O. Box 100, Sacramento, CA 95812-0100 | www.waterboards.ca.gov



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 Hirn, 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.

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

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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) 341-5855 or akashkoli@waterboards.ca.gov, or Terry Singleton at (916) 341-5686 or tsingleton@waterboards.ca.gov.

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 Hirn, DFA
Ahmad Kashkoli, DFA
Pete Mizera, DFA

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

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



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

Edmund G. Brown, Jr.
Governor



Ken Alex
Director

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:

The enclosed comment (e) 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.

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
Scott Morgan
Director, State Clearinghouse

Enclosures
cc: Resources Agency

1400 TENTH STREET P.O. BOX 9044 SACRAMENTO, CALIFORNIA 95812-3044
TEL (916) 445-0613 FAX (916) 323-3018 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
 3883 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. Jeffrey Szymanski
 City of San Diego
 Development Services Center
 #222 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 §15386) 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 (NCCCP). The City of San Diego (City) participates in the NCCCP 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.

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 15152(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.

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

RESPONSE TO COMMENTS

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

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 NDDs. (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 "pro grammatic" 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 additions 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.

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 Schlitt of the Department at (858) 637-5510.

Sincerely,

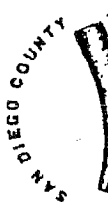


Edmund Pert
Regional Manager
South Coast Region

cc: State Clearinghouse, Sacramento
Patrick Gower, USFWS, Carlsbad
Paul Schlitt, 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 Job 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

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:

- 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.
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 81106 • San Diego, CA 92138-1106 • (858) 538-0935

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

- 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.

Attachment C

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 Luiseño 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 Luiseño Tribe's territory. We highly recommend that you seek the assistance of the tribes that are located in the area of potential effect.

Although the Rincon Band of Luiseño 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.

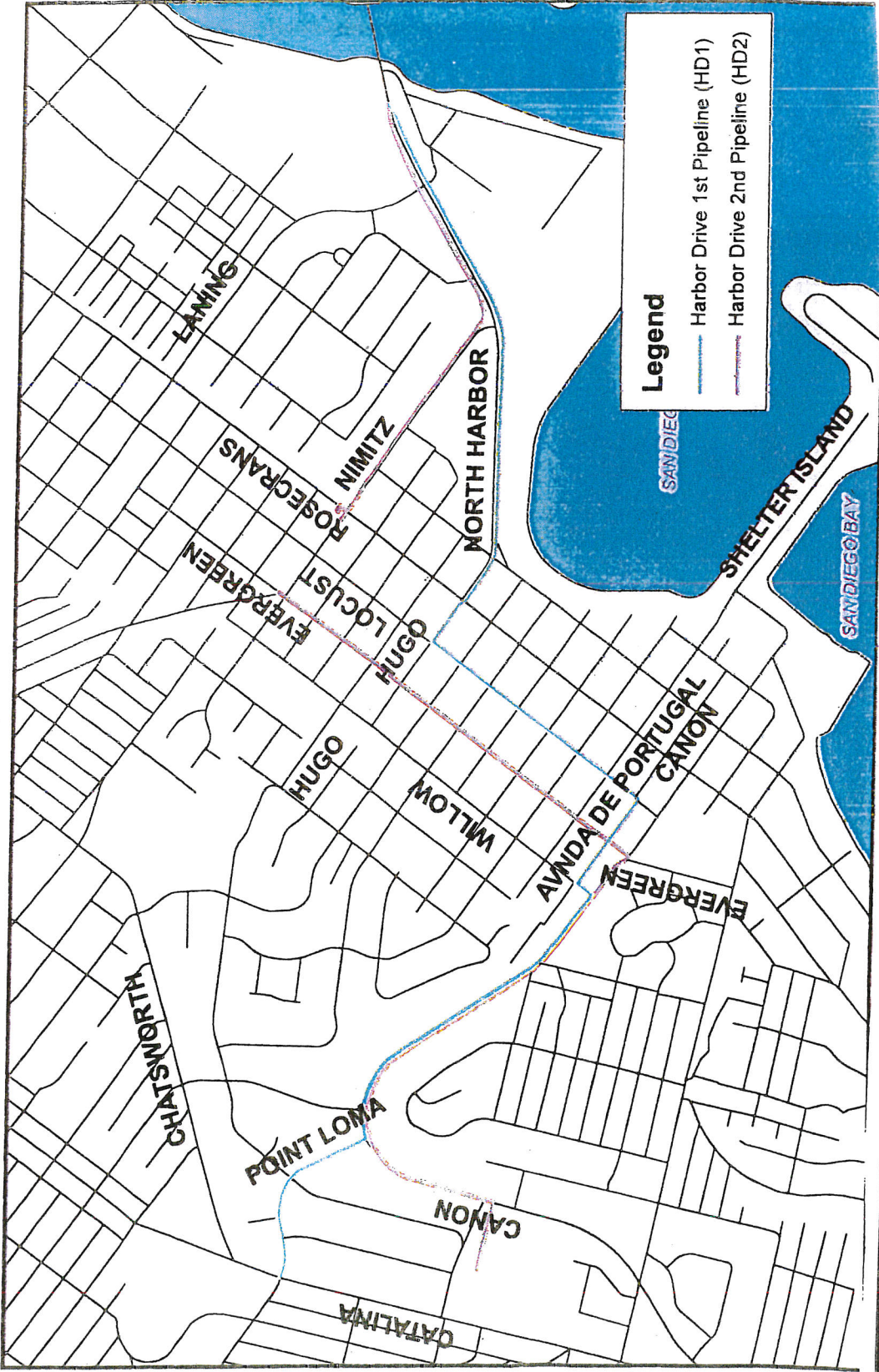
Once again thank you for informing of your project and keeping Native Americans informed of these projects. We wish you success in your endeavors and hope the project is completed with the satisfaction of all parties involved.

Sincerely,
Rose Duro
Rose 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 Mazzeiti Tribal Chairman	Stephanie Spencer Vice Chairwoman	Charlie Kolb Council Member	Steve Stallings Council Member	Laurie Gonzales Council Member
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**FIGURE
No. 1**



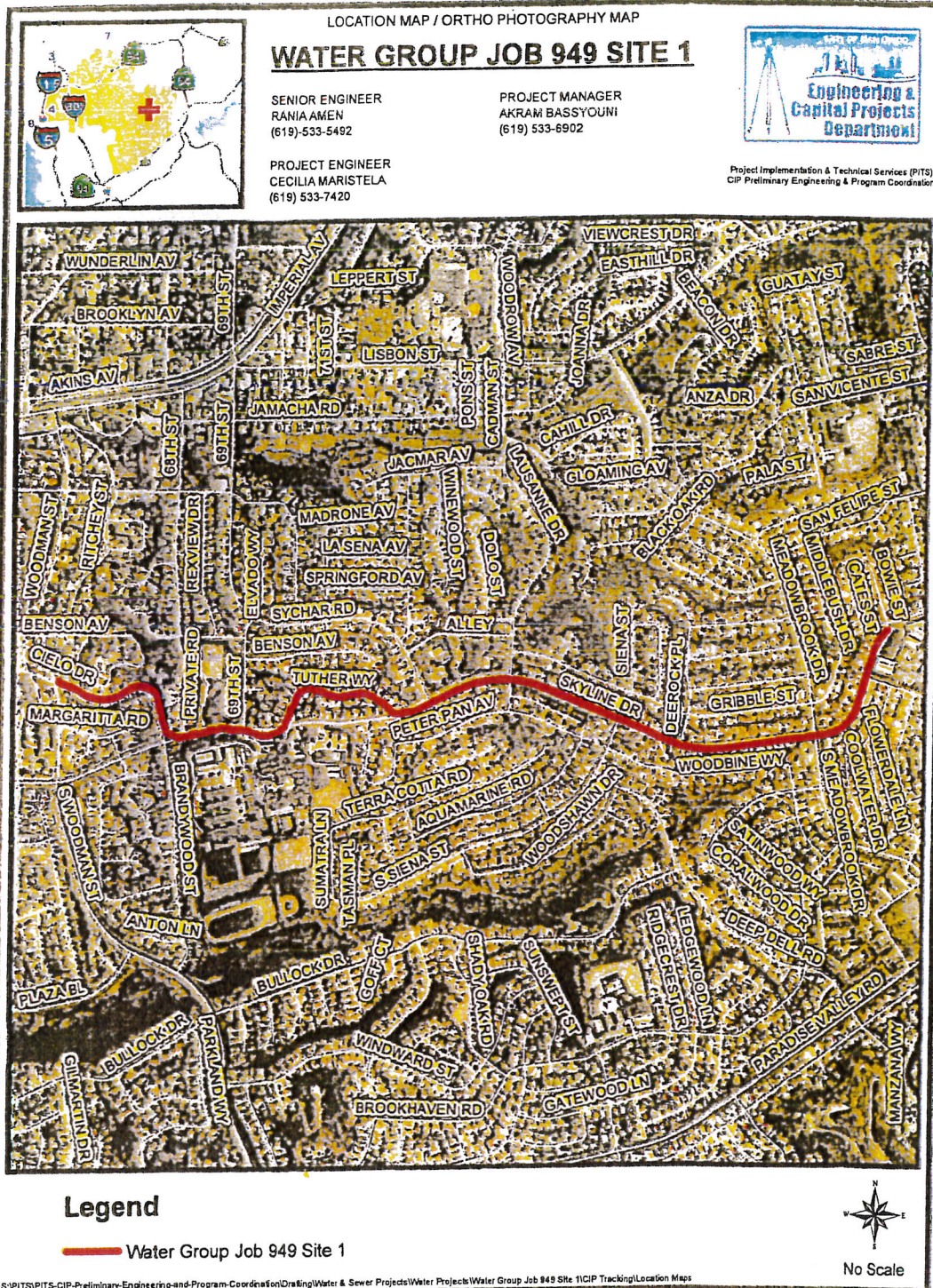
Legend
 Harbor Drive 1st Pipeline (HD1)
 Harbor Drive 2nd Pipeline (HD2)

Citywide Pipeline Projects-Project No. 255100

Harbor Drive Pipeline / Project No. 206100

City of San Diego – Development Services Department





Citywide Pipe Line Project- Project No. 255100

Attachment C
Appendix W - Addendum to Mitigation Network Declaration
Water Group 049 Site 1 Project No. 232719
Multiple Award Construction Contract (MACC) for Sewer & Water Group 814

FIGURE

No. 2

Page 150

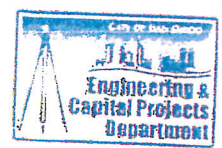


LOCATION MAP/ ORTHO PHOTOGRAPHY MAP
WATER GROUP JOB 949 SITE 2

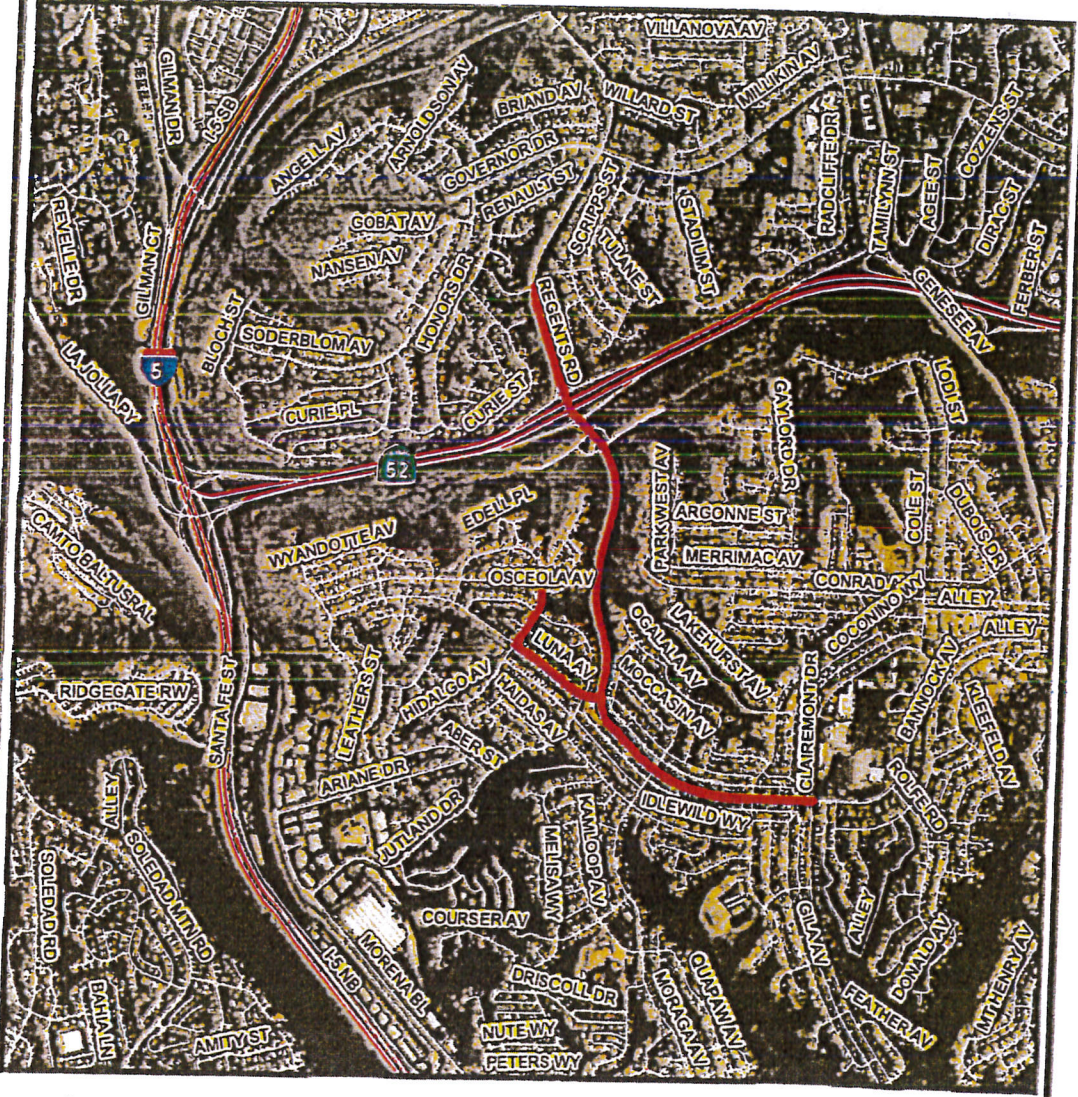
SENIOR ENGINEER
 RANIA AMEN
 (619)-533-5492

PROJECT MANAGER
 AKRAM BASSYOUNI
 (619) 533-6902

PROJECT ENGINEER
 CECILIA MARISTELA
 (619) 533-7420



Project Implementation & Technical Services (PITS)
 CIP Preliminary Engineering & Program Coordination



Legend

— Water Group Job 949 Site 2



No Scale

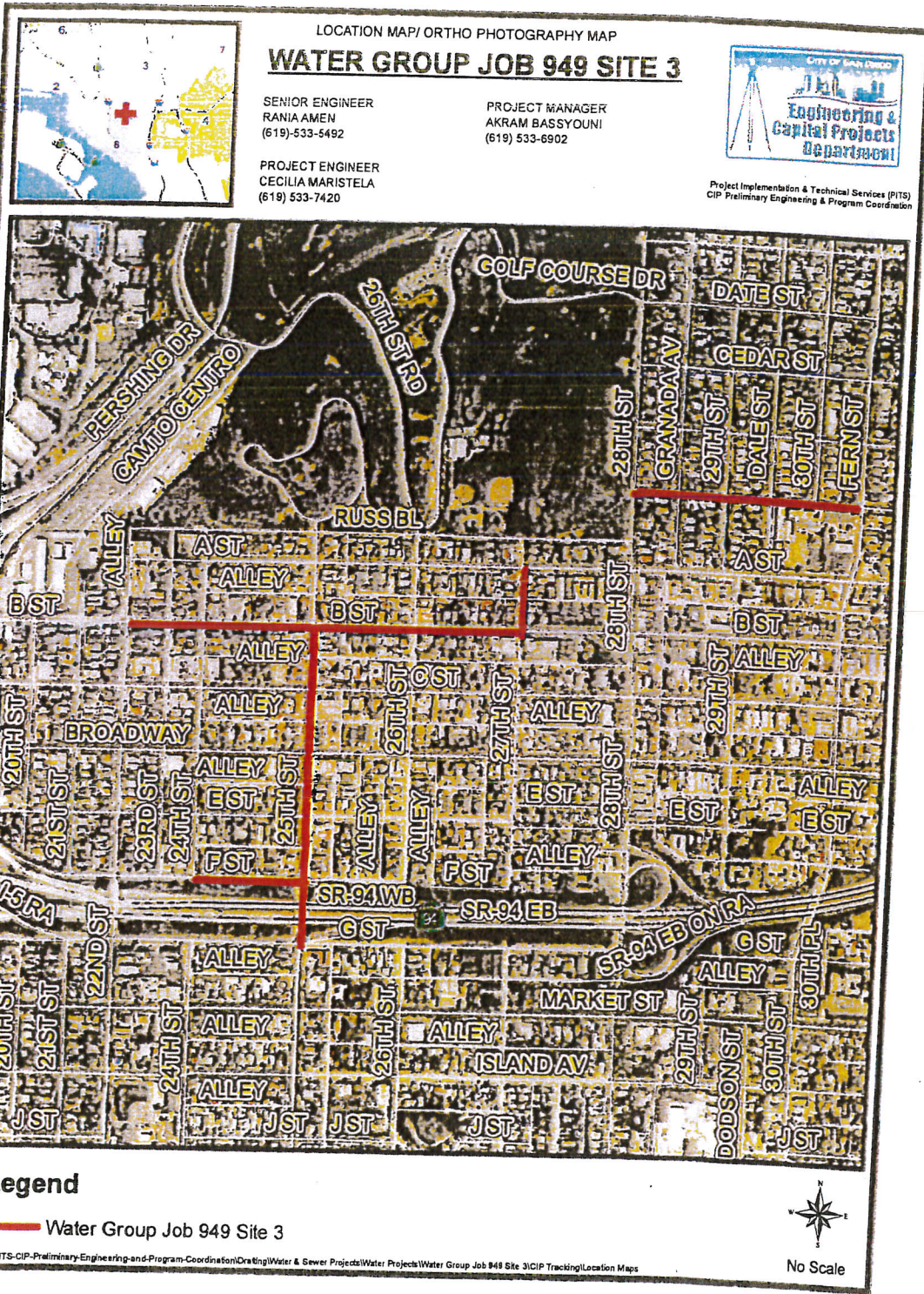
S:\PITS\PITS-CIP-Preliminary-Engineering-and-Program-Coordination\Drawings\Water & Sewer Projects\Water Projects\Water Group 949- Site2\CIP Tracking\Location Maps



Citywide Pipeline Project-Project No. 255100

Attachment C
 Appendix A
 Water Group Job 949 Site 2/Project No. 232719
 Multiple Award Construction Contract (MACC) for Sewer & Water Group 814.

FIGURE
 No. 3 ¹⁵¹Page



Citywide Pipeline Project-Project No. 255100

Attachment C
Appendix A - Addendum to Mitigated Negative Declaration
Water Group 249 Site 3/Project No. 232719
Multiple Award Construction Contract (MACC) for Sewer & Water Group 814

FIGURE
 No. 4 152 / Page

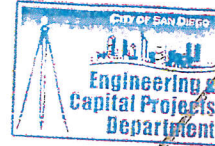
Sewer Group 787

SENIOR ENGINEER
Carl Spier
619-533-5126

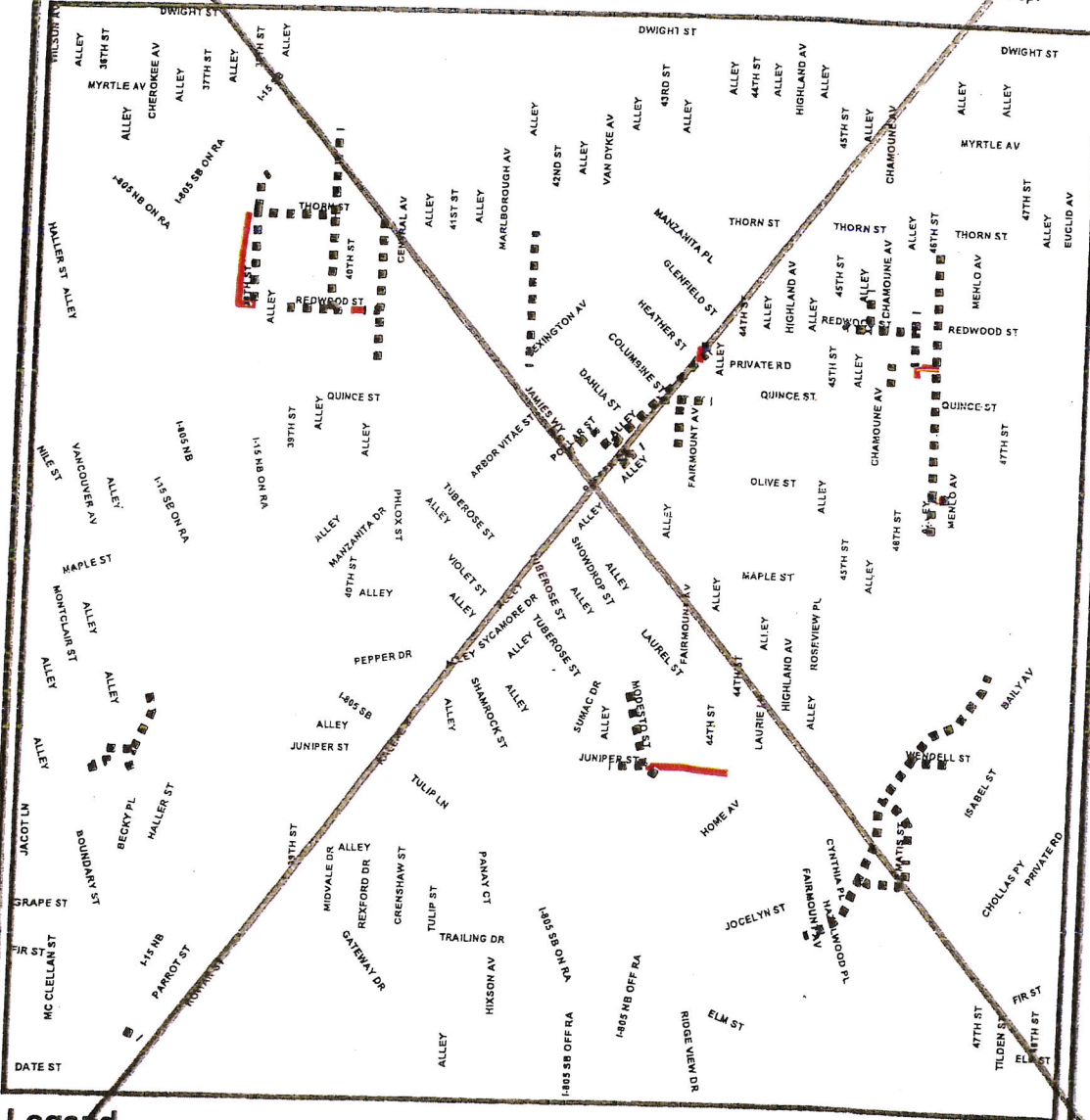
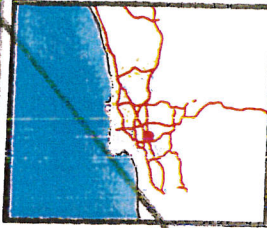
PROJECT ENGINEER
Matthew DeBeliso
619-533-5286

PROJECT MANAGER
Regan Owen
619-533-5205

PUBLIC INFORMATION OFFICER
HOTLINE
619-533-4207



Public Works Dept



Legend

- ■ ■ Sewer_Group_787
- Sewer_Group_787_Abandonment

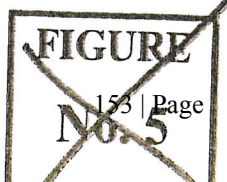


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Citywide Pipeline Project-Project No. 255100

Appendix A - Addendum to Mitigated Negative Declaration
Sewer Group 787 Project No. 255100
Multiple Award Construction Contract (MACC) for Sewer & Water Group 814



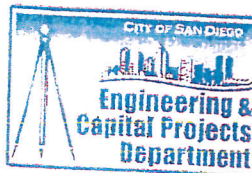
**WATER GROUP 914
WATER MAIN REPLACEMENT**

SENIOR ENGINEER
WENDY GAMBOA
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PROJECT ENGINEER
ROBERTO VEJAR-PARRA
(619) 533-5402

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



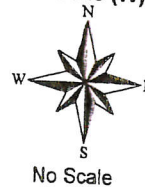
OCEAN BEACH / PENINSULA

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

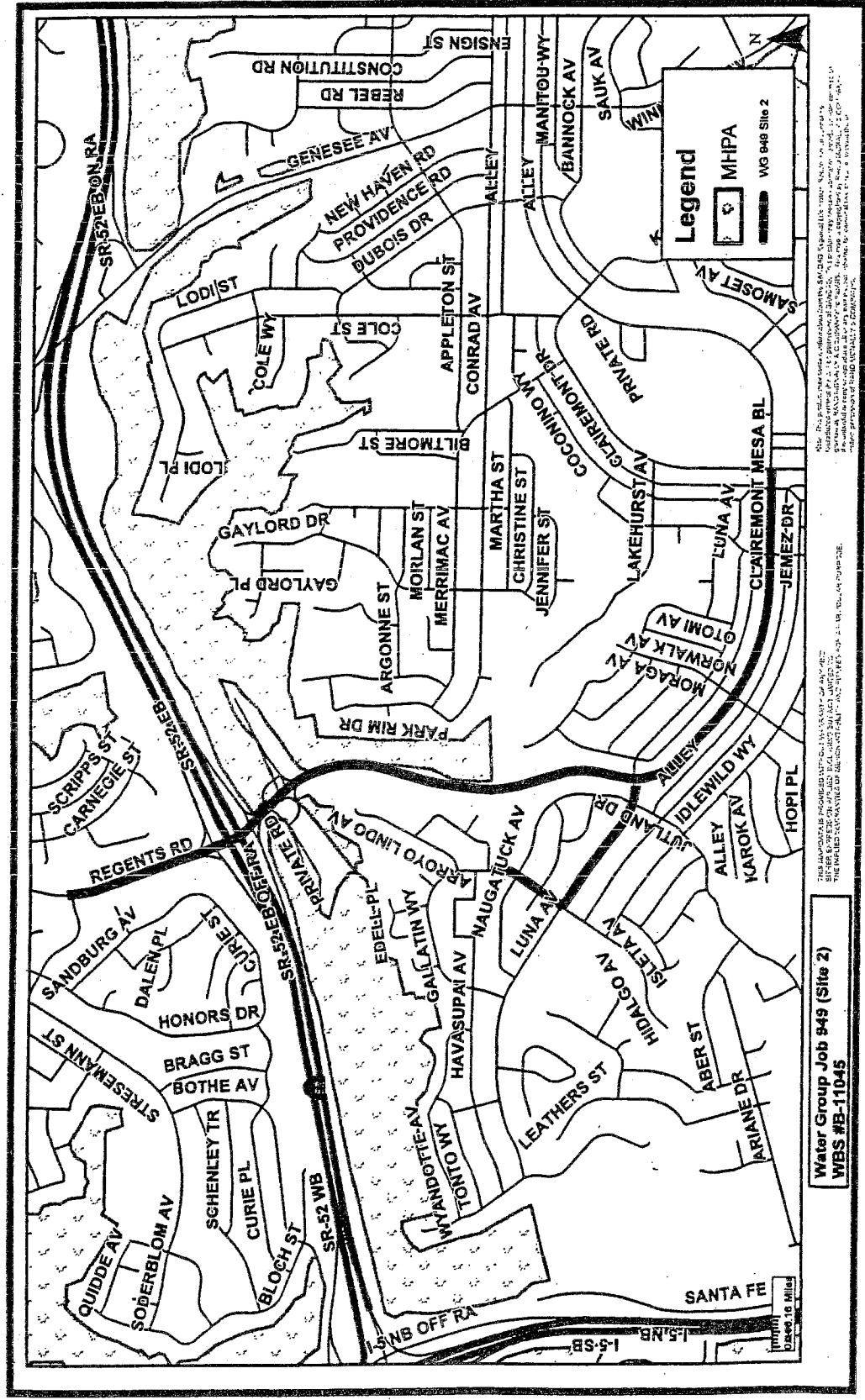
Appendix A – Addendum to Mitigated Negative Declaration
Water Group 914 / Project No. 233447
Multiple Award Construction Contract (MACC) for Sewer & Water Group 814

FIGURE

No. 6

154 Page

**FIGURE
No. 8**



Citywide Pipeline Project-Project No. 255100
Water 949 Site 2/ Project No. 232719
 City of San Diego – Development Services Department



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 (MWWDD).
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 (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 1st and 2nd 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, 25th Street, and 27th 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: 42nd Street, Monroe Avenue, Edgeware Road, Polk Avenue, Orange Avenue, Menlo Avenue, 47th Street, Dwight Street, Myrtle Avenue, Manzanita Place, Heather Street, Dahlia Street, Poplar Street, Columbine Street, Pepper Drive, Juniper Street, Marigold Street, Sumac Drive, 44th 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
-------	--------------------------------	--	------------------------------	-----------

I) 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
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sensitive trees. As such, the project would not result in conflict with local policies protecting biological resources.

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| 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"/> |
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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:

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| 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:

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| 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"/> |
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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.

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| ii) Strong seismic ground shaking? | <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 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.

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|--|--------------------------|--------------------------|--------------------------|-------------------------------------|
| 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.

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| 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.

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| 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.

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| 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.

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| 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 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|

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 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|-----------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|

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 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--------------|--------------------------|--------------------------|--------------------------|-------------------------------------|

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 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|----------|--------------------------|--------------------------|--------------------------|-------------------------------------|

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 | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|-----------------------------|--------------------------|--------------------------|--------------------------|-------------------------------------|

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? | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
|--|--------------------------|--------------------------|--------------------------|-------------------------------------|

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 provided 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.

XVIII. 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 futures 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).

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.

X 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

X City of San Diego General Plan.

X Community Plan.

___ Series 11 Population Forecasts, SANDAG.

___ Other:

XV. PUBLIC SERVICES

X City of San Diego General Plan.

X Community Plan.

XVI. RECREATIONAL RESOURCES

X City of San Diego General Plan.

X Community Plan.

___ Department of Park and Recreation

___ City of San Diego - San Diego Regional Bicycling Map

___ Additional Resources:

XVII. TRANSPORTATION / CIRCULATION

X City of San Diego General Plan.

X Community Plan.

___ San Diego Metropolitan Area Average Weekday Traffic Volume Maps, SANDAG.

___ San Diego Region Weekday Traffic Volumes, SANDAG.

___ Site Specific Report:

XVIII. UTILITIES

X City of San Diego General Plan.

X 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

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

1. **PURPOSE**

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

2. **AUTHORITY**

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

Reference

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

3. **DEFINITIONS**

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

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 2 OF 10	EFFECTIVE DATE October 15, 2002
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- 3.2 **Temporary Water Use:** Water provided to the customer for no longer than twelve (12) months.
- 3.3 **Backflow Preventor:** A Reduced Pressure Principal Assembly connected to the outlet side of a Fire Hydrant Meter.

4. **POLICY**

- 4.1 The Water Department shall collect a deposit from every customer requiring a fire hydrant meter and appurtenances prior to providing the meter and appurtenances (see Section 7.1 regarding the Fees and Deposit Schedule). The deposit is refundable upon the termination of use and return of equipment and appurtenances in good working condition.
- 4.2 Fire hydrant meters will have a 2 ½" swivel connection between the meter and fire hydrant. The meter shall not be connected to the 4" port on the hydrant. All Fire Hydrant Meters issued shall have a Reduced Pressure Principle Assembly (RP) as part of the installation. Spanner wrenches are the only tool allowed to turn on water at the fire hydrant.
- 4.3 The use of private hydrant meters on City hydrants is prohibited, with exceptions as noted below. All private fire hydrant meters are to be phased out of the City of San Diego. All customers who wish to continue to use their own fire hydrant meters must adhere to the following conditions:
 - a. Meters shall meet all City specifications and American Water Works Association (AWWA) standards.
 - b. Customers currently using private fire hydrant meters in the City of San Diego water system will be allowed to continue using the meter under the following conditions:
 - 1. The customer must submit a current certificate of accuracy and calibration results for private meters and private backflows annually to the City of San Diego, Water Department, Meter Shop.

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

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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SUBJECT FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)	PAGE 4 OF 10	EFFECTIVE DATE October 15, 2002
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11. When a private meter malfunctions, the customer will be notified and the meter will be removed by the City and returned to the customer for repairs. Testing and calibration results shall be given to the City prior to any re-installation.
12. The register shall be hermetically sealed straight reading and shall be readable from the inlet side. Registration shall be in hundred cubic feet.
13. The outlet shall have a 2 ½ "National Standards Tested (NST) fire hydrant male coupling.
14. Private fire hydrant meters shall not be transferable from one contracting company to another (i.e. if a company goes out of business or is bought out by another company).

4.4 All fire hydrant meters and appurtenances shall be installed, relocated and removed by the City of San Diego, Water Department. All City owned fire hydrant meters and appurtenances shall be maintained by the City of San Diego, Water Department, Meter Services.

4.5 If any fire hydrant meter is used in violation of this Department Instruction, the violation will be reported to the Code Compliance Section for investigation and appropriate action. Any customer using a fire hydrant meter in violation of the requirements set forth above is subject to fines or penalties pursuant to the Municipal Code, Section 67.15 and Section 67.37.

4.6 **Conditions and Processes for Issuance of a Fire Hydrant Meter**

Process for Issuance

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

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2. Construction and maintenance related activities (see Tab 2).
 - b. No customer inside or outside the boundaries of the City of San Diego Water Department shall resell any portion of the water delivered through a fire hydrant by the City of San Diego Water Department.
 - c. The City of San Diego allows for the issuance of a temporary fire hydrant meter for a period not to exceed 12 months (365 days). An extension can only be granted in writing from the Water Department Director for up to 90 additional days. A written request for an extension by the consumer must be submitted at least 30 days prior to the 12 month period ending. No extension shall be granted to any customer with a delinquent account with the Water Department. No further extensions shall be granted.
 - d. Any customer requesting the issuance of a fire hydrant meter shall file an application with the Meter Section. The customer must complete a "Fire Hydrant Meter Application" (Tab 1) which includes the name of the company, the party responsible for payment, Social Security number and/or California ID, requested location of the meter (a detailed map signifying an exact location), local contact person, local phone number, a contractor's license (or a business license), description of specific water use, duration of use at the site and full name and address of the person responsible for payment.
 - e. At the time of the application the customer will pay their fees according to the schedule set forth in the Rate Book of Fees and Charges, located in the City Clerk's Office. All fees must be paid by check, money order or cashiers check, made payable to the City Treasurer. Cash will not be accepted.
 - f. No fire hydrant meters shall be furnished or relocated for any customer with a delinquent account with the Water Department.
 - g. After the fees have been paid and an account has been created, the

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

4.7 Relocation of Existing Fire Hydrant Meters

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

4.8 Disconnection of Fire Hydrant Meter

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

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for removal of the meter.

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

5. **EXCEPTIONS**

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

6. **MOBILE METER**

- 6.1 Mobile meters will be allowed on a case by case basis. All mobile meters will be protected by an approved backflow assembly and the minimum requirement will be a Reduced Pressure Principal Assembly. The two types of Mobile Meters are vehicle mounted and floating meters. Each style of meters has separate guidelines that shall be followed for the customer to retain service and are described below:

- a) **Vehicle Mounted Meters:** Customer applies for and receives a City owned Fire Hydrant Meter from the Meter Shop. The customer mounts the meter on the vehicle and brings it to the Meter Shop for

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

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

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

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

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

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7. FEE AND DEPOSIT SCHEDULES

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

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

8. UNAUTHORIZED USE OF WATER FROM A HYDRANT

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

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

Water Department Director

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

APPENDIX

Administering Division: Customer Support Division

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

Distribution: DI Manual Holders



Application For Fire Hydrant Meter

(EXHIBIT A)

For Office Use Only

Department: **METER SHOP** 619 527 7449
2797 Camino Cholas • San Diego, California 92105-5097 • FAX 619 527 3125

NS Rec:	Fac #:
Date:	By:

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

Fire Hydrant Location: (Attach detailed map, Thomas Bros. map location or construction drawing.)

Specific Use of Water:

Any return to Sewer or Storm Drain, if so, explain:

Estimated Duration of Meter Use: Check Box if Reclaimed Water

Company Information

Company Name:

Mailing Address:

City: State: Zip Code: Phone: ()

*Business License #: *Contractor License #:

*A copy of the Contractor's License and/or Business License is required at the time of meter issuance.

Name and Title of Agent: Phone: ()

Site Contact Name and Title: Phone: ()

Pager #: Cell: ()

Responsible Party Name: Title:

Social Security or Cal ID #: Phone: ()

Signature: Date:

Guarantees payment of all charges resulting from the use of this meter. Insures that employees of this organization understand the proper use of Fire Hydrant Meter.

Fire Hydrant Meter Removal Request

Check Box to Request Removal of Above Meter Requested Removal Date:

Provide current Meter location if different from above:

Signature: Title: Date:

Phone: () Pager: ()

For Office Use Only

<input type="checkbox"/> City Meter	<input type="checkbox"/> Private Meter		
CIS Account #:	Deposit Amount: \$	Fees Amount: \$	
Meter Serial #:	Meter Size:	Meter Make & Style:	
Backflow #:	Backflow Size:	Meter Make & Style:	
Name:	Signature:	Date:	

\$1,108.45 - FOR 24 HR INSTALLATION
 \$1,052.26 - FOR 48 HR INSTALLATION

FHM App Created: 11/2/00-htp

"Exhibit B"

CONSTRUCTION AND MAINTENANCE RELATED ACTIVITIES WITH NO 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 Seeding
Irrigation (for establishing irrigation only; not continuing irrigation)
Mixing Concrete
Mobile Car Washing
Special Events
Street Sweeping
Water Tanks
Water Trucks
Window Washing**

Note: If there is any return to sewer or storm drain, then sewer and/or storm drain fees will be charged.

"Exhibit C"

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 refer to the Water Departments', Department Instruction (D.I.) 55.27 for further information and procedure.

Mail your request for an extension to :

City of San Diego, Water Department
Attn: Meter Services
2797 Caminito Chollas
San Diego, Ca. 92105-5097

Should you have any questions regarding this matter, please call the Fire Hydrant "Hot Line" at: (xxx) xxx-xxx.

Sincerely,

City of San Diego Water Department



Fire Hydrant Meter Relocate/Removal Request

(EXHIBIT D)

For Office Use Only

NS Req:	FHM Fac #:
Date:	By:

Date:

Instruction: Complete pertinent information then FAX both form and map to (xxx) xxx-xxxx, mail, or hand-deliver to the City of San Diego, Water Department/Meter Shop at: 2707 Caminito Chollas San Diego, CA 92105

Meter Information

Billing Account #:	Requested Move Date:
Current Fire Hydrant Meter Location:	
New Meter Location: (Attach a detailed map, Thomas Bros map location or construction drawing.)	

Company Information

Company Name:			
Mailing Address			
City:	State:	Zip Code:	Phone: ()
Name and Title of Requestor:			Phone: ()
Site Contact Name and Title			Phone: ()
Pager #:			Cell: ()
Responsible Party Name authorizing relocation fee:			
Signature:	Title:	Date:	

Fire Hydrant Meter Removal Request

<input type="checkbox"/> Check Box to Request Removal of Above Meter	Requested Removal Date:	
Provide current Meter location if different from above:		
Signature:	Title:	Date:
Phone: ()	Pager: ()	

For Office Use Only

CIS Account #:	Fees Amount: \$		
Meter Serial #:	Size:	Make/Style	
Backflow #:	Size:	Make/Style	
Name:	Signature:	Date:	

FHM Relocate_Removal Form

FHM App Created: 11/2/00-htp

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

City of San Diego, Field Engineering Div., 9485 Aero Drive, SD CA 92123						Contractor's Name:					
Project Name:						Contractor's Address:					
SAP No. (WBS/IO/CC)											
City Purchase Order No.						Contractor's Phone #:			Invoice No.		
Resident Engineer (RE):						Contractor's Fax #:			Invoice Date:		
RE Phone#:			RE Fax#:			Contact Name:			Billing Period:		
Item #	Item Description	Contract Authorization				Previous Estimate		This Estimate		Totals to Date	
		Unit	Qty	Price	Extension	%/QTY	Amount	% / QTY	Amount	% / QTY	Amount
1	2 Parallel 4" PVC C900	LF	1,380	\$34.00	\$46,920.00						
2	48" Primary Steel Casing	LF	500	\$1,000.00	\$500,000.00						
3	2 Parallel 12" Secondary Steel	LF	1,120	\$53.00	\$59,360.00						
4	Construction and Rehab of PS 49	LS	1	\$150,000.00	\$150,000.00						
5	Demo	LS	1	\$14,000.00	\$14,000.00						
6	Install 6' High Chain Link Fence	LS	1	\$5,600.00	\$5,600.00						
7	General Site Restoration	LS	1	\$3,700.00	\$3,700.00						
8	10" Gravity Sewer	LF	10	\$292.00	\$2,920.00						
9	4" Blow Off Valves	EA	2	\$9,800.00	\$19,600.00						
10	Bonds	LS	1	\$16,000.00	\$16,000.00						
11	Field Orders	AL	1	80,000	\$80,000.00						
11.1	Field Order 1	LS	5,500	\$1.00	\$5,500.00						
11.2	Field Order 2	LS	7,500	\$1.00	\$7,500.00						
11.3	Field Order 3	LS	10,000	\$1.00	\$10,000.00						
11.4	Field Order 4	LS	6,500	\$1.00	\$6,500.00						
12	Certified Payroll	LS	1	\$1,400.00	\$1,400.00						
CHANGE ORDERS											
Change Order 1			4,890								
Items 1-4					\$11,250.00						
Item 5-Deduct Bid Item 3		LF	120	-\$53.00	(\$6,360.00)						
Change Order 2			160,480								
Items 1-3					\$95,000.00						
Item 4 Deduct Bid Item 1		LF	380	-\$340.00	(\$12,920.00)						
Item 5-Encrease bid Item 9		LF	8	\$9,800.00	\$78,400.00						
Change Order 3 (Close Out)			-121,500								
Item 1 Deduct Bid Item 3			53	-500.00	(\$26,500.00)						
Item 2 Deduct Bid Item 4		LS	-1	45,000.00	(\$45,000.00)						
Items 3-9			1	-50,500.00	(\$50,500.00)						
SUMMARY								Total This	\$ -	Total Billed	\$0.00
A. Original Contract Amount						Retention and/or Escrow Payment Schedule					
B. Approved Change Order 1 Thru 3						Total Retention Required as of this billing					
C. Total Authorized Amount (A+B)						Previous Retention Withheld in PO or in Escrow					
D. Total Billed to Date						Add'l Amt to Withhold in PO/Transfer in Escrow:					
E. Less Total Retention (5% of D)						Amt to Release to Contractor from PO/Escrow:					
F. Less Total Previous Payments											
G. Payment Due Less Retention						Contractor Signature and Date:					
H. Remaining Authorized Amount											

APPENDIX E
HYDROSTATIC DISCHARGE FORM

APPENDIX

Hydrostatic Discharge Requirements Certification (Discharge Events < 500,000 gpd)

All 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), and as follows:

Discharged water has been dechlorinated to below 0.1 (mg/l) level; and effluent has been maintained between 6 and 9 (PH) based on:							<i>is discharge within acceptable limits?</i>		<i>Comment</i>
Event #	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:						
	Date	Start:	Start:						
	Amt:	End:	End:						

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

Project Name: _____

Work Order No.(s): _____

Have any thresholds have 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 which exceeds any effluent limit]

ATTACHMENT D
PROPOSAL FORMS

City of San Diego

CITY CONTACT

Contract Specialist: Claudia Abarca

Email: CAbarca@sandiego.gov

Phone No.: 619- 533-3439, Fax No.: 619-533-3633

CGascon/BD/egz



PROPOSAL DOCUMENTS

FOR

MULTIPLE AWARD CONSTRUCTION CONTRACTS (MACC) FOR WATER, WASTEWATER, AND STORMWATER PROJECTS

TASK ORDER:	SEWER AND WATER GROUP 814
TASK ORDER NO.:	02
RFQ NO.:	12MCL100
PROPOSAL NO.:	K-13-5939-MAC-3-C
SAP NO. (WBS/IO/CC):	B-00435, B-00108
CLIENT DEPARTMENT:	2011/2013
COUNCIL DISTRICT:	2
PROJECT TYPE:	JA, KB

THIS TASK IS SUBJECT TO THE FOLLOWING:

- PHASED FUNDING
- SMALL AND LOCAL BUSINESS ENTERPRISE (SLBE) PROGRAM
- MANDATORY USE OF APPRENTICES

THIS DOCUMENT SHALL BE SUBMITTED IN ITS ENTIRETY

PROPOSALS DUE

**12:00 NOON
JULY 9, 2013**

Proposal Documents

The following forms must be completed in their entirety and submitted with the Proposal. Include the form(s) even if the information does not apply. Where the information does not apply write in N/A. Failure to include any of the forms may cause the Proposal to be deemed **non-responsive**. If you are uncertain or have any questions about any required information, contact the City no later than 14 Days prior to the due date of the Proposal.

1. Proposal	218
2. Non-Collusion Affidavit to be executed by Proposer and Submitted with Proposal under 23 USC 112 and PCC 7106	222
3. Contractors Certification of Pending Actions	223
4. Equal Benefits Ordinance Certification of Compliance.....	224
5. Design-Build Proposal	225
6. Price Proposal Forms (Design Build)	226
7. Form AA05 – Design-Build List of Subcontractors	228
8. Form AA15 - Design-Build List of Subcontractors	229
9. Form AA25 - Design-Build Named Equipment/Material Supplier List	230
10. Form AA30 - Design-Build Named Equipment/Material Supplier List	231

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. _____

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):

PROPOSAL DOCUMENTS

(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. _____

IF A CORPORATION, SIGN HERE:

(1) Name under which business is conducted _____

(2) Signature, with official title of officer authorized to sign for the corporation:

(Signature)

(Printed Name)

(Title of Officer)

(Impress Corporate Seal Here)

(3) Incorporated under the laws of the State of _____

(4) Place of Business (Street & Number) _____

(5) City and State _____ Zip Code _____

(6) Telephone No. _____ Facsimile No. _____

PROPOSAL DOCUMENTS

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 _____

LICENSE NO. _____ EXPIRES _____, _____

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): _____

E-Mail Address: _____

BIDDING DOCUMENTS

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 _____

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

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

(NOTARIAL SEAL)

**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 _____) ss.

_____, being first duly sworn, deposes and says that he or she is _____ 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: _____

Title: _____

Subscribed and sworn to before me this _____ day of _____, _____

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 Design-Builder shall provide to the City a list of all instances within the past ten years where a complaint was filed or pending against the Design-Builder in a legal or administrative proceeding alleging that Design-Builder 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 Design-Builder has NOT been the subject of a complaint or pending action in a legal administrative proceeding alleging that Design-Builder discriminated against its employees, subcontractors, vendors or suppliers.

- The undersigned certifies that within the past 10 years the Design-Builder has been the subject of a complaint or pending action in a legal administrative proceeding alleging that Design-Builder 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: _____

Certified By _____ Title _____
Name

_____ Date _____
Signature

USE ADDITIONAL FORMS AS NECESSARY

PROPOSAL DOCUMENTS

**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:	Contact Name:
Company Address:	Contact Phone:
	Contact Email:

CONTRACT INFORMATION

Contract Title:	Start Date:
Contract Number (if no number, state location):	End Date:

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.

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	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

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 **Task Order 02 for Sewer & Water Group 814**.

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: _____

The Design-Builder: _____

By: _____
(Signature)

Title: _____

PROPOSAL DOCUMENTS

PRICE PROPOSAL FORMS

The Design-Builder agrees to the design and construction of **Task Order 02 for Sewer & Water Group 814**, for the City of San Diego, in accordance with these contract documents for the lump sum Design-Build Proposal prices listed below. The Design-Builder guarantees the lump sum Design-Build Proposal prices for a period of 120 Days (90 Days for federally funded contracts and contracts valued at \$500,000 or less) from the date Proposals are due until the award of the Task Order. The duration of the price guarantee shall be extended by the number of Days required for the City to obtain all items necessary to fulfill all conditions precedent e.g., bond and insurance.

Item No.	NAICS CODE	Description	Quantity	Unit	Unit Price	Extension
1	541330	Design Services	1	LS	 	\$
2	237110	Construction Services	1	LS	 	\$
3		City Contingency (See Section 1-2, "TERMS AND DEFINITIONS" in The WHITEBOOK for Allowances)	1	AL	 	\$400,000.00

Total Design-Build Proposal Amount (Item No. 1 through Item No. 3 inclusive): \$_____

Total Design-Build Proposal Amount (Item No. 1 through Item No. 3 inclusive) written in words:

The Design-Builder: _____

Title: _____

Signature: _____

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

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

NOTES:

- A. After the selection has been made, the City may award the task order for the Base Proposal alone.
- B. Prices and notations shall be in ink or typewritten. All corrections (which have been initiated by the Design-Builder using erasures, strike out, line out, or "white-out") shall be typed or written in with ink adjacent thereto, and shall be initialed in ink by the person signing the Proposal.
- C. Failure to initial all corrections made in the proposal documents may cause the Proposal to be rejected as **non-responsive** and ineligible for award.
- D. Blank spaces must be filled in. The Design-Builder's failure to submit a price may render the Proposal **non-responsive** and ineligible for award.
- E. 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.

PROPOSAL DOCUMENTS

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

In accordance with the requirements provided in the "Subletting and Subcontracting Fair Practices Act", Division 2, Part 1, Chapter 4 of the Public Contract Code, the Design-Builder shall 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 Proposal. The Design-Builder shall also list below the portion of the work which will be done by each Subcontractor. The Design-Builder shall list only one Subcontractor for each portion of the Work. The **DOLLAR VALUE** of the total Proposal to be performed shall be stated for all Subcontractors listed. Failure to comply with this requirement may result in the Proposal being rejected as **non-responsive** and ineligible for award. The Design-Builder's attention is directed to the Special Provisions - General; Paragraph 2-3 Subcontracts, which stipulates the percent of the Work to be performed with the Design-Builder's own forces. The Design-Builder shall list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors that the Design-Builder are seeking recognition towards achieving any mandatory, voluntary, or both subcontracting participation percentages.

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONSTRUCTOR OR DESIGNER	TYPE OF WORK	DOLLAR VALUE OF SUBCONTRACT	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB ^①	WHERE CERTIFIED ^②	CHECK IF JOINT VENTURE PARTNERSHIP
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____						
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____						
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____						

① As appropriate, The Design-Builder shall identify Subcontractor as one of the following and shall include a valid proof of certification (except for OBE, SLBE and ELBE):

Certified Minority Business Enterprise	MBE	Certified Woman Business Enterprise	WBE
Certified Disadvantaged Business Enterprise	DBE	Certified Disabled Veteran Business Enterprise	DVBE
Other Business Enterprise	OBE	Certified Emerging Local Business Enterprise	ELBE
Certified Small Local Business Enterprise	SLBE	Small Disadvantaged Business	SDB
Woman-Owned Small Business	WoSB	HUBZone Business	HUBZone
Service-Disabled Veteran Owned Small Business	SDVOSB		

② As appropriate, The 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 may not receive any subcontracting participation percentages if the Design Builder fails to submit the required proof of certification.

Form Title: DESIGN-BUILD LIST OF SUBCONTRACTORS TO BE INCLUDED IN THE PRICE PROPOSAL ONLY

Form Number: AA05

Attachment D

Multiple Award Construction Contract (MACC) for Sewer & Water Group 814

PROPOSAL DOCUMENTS

DESIGN-BUILD LIST OF SUBCONTRACTORS TO BE INCLUDED IN THE TECHNICAL (NON-PRICE) PROPOSAL ONLY

In accordance with the requirements provided in the "Subletting and Subcontracting Fair Practices Act", Division 2, Part 1, Chapter 4 of the Public Contract Code, the Design-Builder shall 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 Proposal. The Design-Builder shall also list below the portion of the work which will be done by each Subcontractor under this contract. The Design-Builder shall list only one Subcontractor for each portion of the Work. The **PERCENT VALUE** of the total Proposal to be performed shall be stated for all Subcontractors listed. Failure to comply with this requirement may result in the Proposal being rejected as **non-responsive** and ineligible for award. The Design-Builder's attention is directed to the Special Provisions - General; Paragraph 2-3 Subcontracts, which stipulates the percent of the Work to be performed with the Design-Builder's own forces. The Design-Builder shall list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors that The Design-Builder are seeking recognition towards achieving any mandatory, voluntary, or both subcontracting participation percentages.

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONSTRUCTOR OR DESIGNER	TYPE OF WORK	PERCENT VALUE OF SUBCONTRACT	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB ^①	WHERE CERTIFIED ②	CHECK IF JOINT VENTURE PARTNERSHIP
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____						
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____						
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____						

① As appropriate, The Design-Builder shall identify Subcontractor as one of the following and shall include a valid proof of certification (except for OBE, SLBE and ELBE):

Certified Minority Business Enterprise	MBE	Certified Woman Business Enterprise	WBE
Certified Disadvantaged Business Enterprise	DBE	Certified Disabled Veteran Business Enterprise	DVBE
Other Business Enterprise	OBE	Certified Emerging Local Business Enterprise	ELBE
Certified Small Local Business Enterprise	SLBE	Small Disadvantaged Business	SDB
Woman-Owned Small Business	WoSB	HUBZone Business	HUBZone
Service-Disabled Veteran Owned Small Business	SDVOSB		

② As appropriate, The 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 may not receive any subcontracting participation percentages if the Design-Builder fails to submit the required proof of certification.

Form Title: DESIGN-BUILD LIST OF SUBCONTRACTORS TO BE INCLUDED IN THE TECHNICAL (NON-PRICE) PROPOSAL ONLY

Form Number: AA15

Attachment D

Multiple Award Construction Contract (MACC) for Sewer & Water Group 814

PROPOSAL DOCUMENTS

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

The Design-Builder seeking the recognition of equipment, materials, or supplies obtained from Suppliers towards achieving any mandatory, voluntary, or both subcontracting participation percentages shall submit with the Proposal the Named Equipment/Material Supplier List. The Named Equipment/Material Supplier List, at a minimum, shall have the name, locations (City) and the **DOLLAR VALUE** of the Suppliers. The Design-Builder will be credited up to 60% of the amount to be paid to the Suppliers for such materials/supplies unless vendor manufactures or substantially alters materials/supplies in which case 100% will be credited. The Design-Builder shall indicate (Yes/No) whether listed firm is a supplier or manufacturer. In calculating the subcontractor participation percentages, vendors/suppliers will receive 60% credit of the listed **DOLLAR VALUE**, whereas manufacturers will receive 100% credit. If no indication provided, listed firm will be credited at 60% of the listed **DOLLAR VALUE** for purposes of calculating the subcontractor participation percentages, Suppliers will receive 60% credit of the listed **DOLLAR VALUE**, whereas manufacturers will receive 100% credit. If no indication provided, listed firm will be credited at 60% of the listed **DOLLAR VALUE** for purposes 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: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____						
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____						
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____						

ⓐ As appropriate, The 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, The 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 may not receive any subcontracting participation percentages if the Design-Builder fails to submit the required proof of certification.

Form Title: DESIGN-BUILD NAMED EQUIPMENT/MATERIAL SUPPLIER LIST TO BE INCLUDED IN THE PRICE PROPOSAL ONLY

Form Number: AA25

Attachment D

Multiple Award Construction Contract (MACC) for Sewer & Water Group 814

PROPOSAL DOCUMENTS

DESIGN-BUILD NAMED EQUIPMENT/MATERIAL SUPPLIER LIST TO BE INCLUDED IN THE TECHNICAL (NON-PRICE) PROPOSAL ONLY

The Design-Builder seeking the recognition of equipment, materials, or supplies obtained from Suppliers towards achieving any mandatory, voluntary, or both subcontracting participation percentages shall submit with the Proposal the Named Equipment/Material Supplier List. The Named Equipment/Material Supplier List, at a minimum, should have the name, locations (City) and the **PERCENT VALUE** of the Suppliers. The Design-Builder will be credited up to 60% of the amount to be paid to the Suppliers for such materials/supplies unless vendor manufactures or substantially alters materials/supplies in which case 100% will be credited. The Design-Builder shall indicate (Yes/No) whether listed firm is a supplier or manufacturer. In calculating the subcontractor participation percentages, vendors/suppliers will receive 60% credit of the listed **PERCENT VALUE**, whereas manufacturers will receive 100% credit. If no indication provided, listed firm will be credited at 60% of the listed **PERCENT VALUE** for purposes of calculating the subcontractor participation percentages, Suppliers will receive 60% credit of the listed **PERCENT VALUE**, whereas manufacturers will receive 100% credit. If no indication provided, listed firm will be credited at 60% of the listed **PERCENT VALUE** for purposes of calculating the subcontractor participation percentages.

NAME, ADDRESS AND TELEPHONE NUMBER OF VENDOR/SUPPLIER	MATERIALS OR SUPPLIES	PERCENT 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: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____						
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____						
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____						

[ⓐ] As appropriate, The 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, The 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 may not receive any subcontracting participation percentages if the Design-Builder fails to submit the required proof of certification.

Form Title: DESIGN-BUILD NAMED EQUIPMENT/MATERIAL SUPPLIER LIST TO BE INCLUDED IN THE TECHNICAL (NON-PRICE) PROPOSAL ONLY

Form Number: AA30

Attachment D

Multiple Award Construction Contract (MACC) for Sewer & Water Group 814

City of San Diego

CITY CONTACT: Claudia Abarca - Contract Specialist, Email: CAbarca@saniego.gov.
Phone No. (619) 533-3439, Fax No. (619) 533-3633

ADDENDUM "1"

REQUEST FOR PROPOSAL (RFP)

FOR



MULTIPLE AWARD CONSTRUCTION CONTRACTS (MACC) FOR WATER, WASTEWATER, AND STORMWATER PROJECTS

TASK ORDER:	SEWER AND WATER GROUP 814
TASK ORDER NO.:	02
RFQ NO.:	12MCL100
PROPOSAL NO.:	K-13-5939-MAC-3-C
SAP NO. (WBS/IO/CC):	B-00435, B-00108
CLIENT DEPARTMENT:	2011/2013
COUNCIL DISTRICT:	2
PROJECT TYPE:	JA, KB

PROPOSAL DUE:

**12:00 NOON
JULY 9, 2013
CITY OF SAN DIEGO
PUBLIC WORKS DEPARTMENT
1010 SECOND AVENUE, SUITE 1400, 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.

B. QUESTIONS AND ANSWERS

Q1. Will the City please consider providing more detailed information to quantify certain items that cannot be accurately estimated because the bridging documents do not provide enough detailed information to determine the appropriate scope of work. By providing this detailed information, the City will know that all DB Contractors are providing the same scope of work on items that are unknown and unquantifiable unless provided. Could the City please provide more detailed information to quantify the following items:

Paving fabric for AC overlay, AC overlay, slurry seal, crack sealing, ac patch for slurry seal, damaged ac replacement, cold mill ac, pavement restoration adjacent to trench, imported backfill, additional bedding, additional curb/gutter, and additional sidewalk.

A1. No. The City cannot provide further information as requested. Please, bid as-is.

Q2. Will the handling, treatment, and disposal of contaminated soils and groundwater be considered additional work?

A2. No. Please bid as-is.

Q3. On page 22 section 2.7.10 says overlay all streets but on page 71 section 203-15 says RPMS should be used on this contract. Please clarify what streets get slurry sealed and what streets get 1.5" AC Overlay.

A3. All existing AC streets will get 1.5" AC Overlay.

Q4. Will 100% streets that require 1.5" AC overlay receive paving fabric? If not, please provide a percentage.

A4. The Design-Builder is to determine the percentages required for paving fabric.

Q5. To confirm the City's response at the Pre-Bid meeting, the only time Archeo, Native American, or Paleo monitoring (deeper than 10') will be required on this project is when the DB contractor is in new excavation/alignment. Is that correct?

A5. The MND governs this contract and must be followed, specifically when excavating in undisturbed soil (ex. new trench or deeper than existing alignment). The general guideline is if excavating between 3 to 10 ft then Archeo & Native American monitoring is required. If excavating 10 ft and lower, in a new trench or deeper than the existing alignment, all three must be monitored (Archeo, Native American and Paleo).

- Q6. Can the contractor dispose of the groundwater in the sewer system? If so, will the City discharge fee's for disposal be waived?
- A6. Design-Builder will be permitted to dispose of the ground water in the sewer system. Design-Builder will provide a map with discharge points to the City. The City will then determine the allowable discharge rate. The discharge fee will not be waived.
- Q7. If the City has these document now, can they be made available to us? (please see below): If utilities are in conflict and need to be relocated, protected or supported this information would be helpful in scheduling, and costing.

If there is a S.D. that we cross under, we need to know this information for clearance's, location of joints and DR rating of pipe.

Section 9.3 of the Predesign Report Utility maps were requested and received from SDG&E, AT&T (SBC/Pacific Bell), Cox Communications, and Level 3 Communications. These maps are in the project files and will be forwarded to the design team when the project is transferred.

From RFP attachment A:

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
- A7. The City Team has made available these documents collected during the Pre-Design stage of this project, and prepared copies for your use. These copies are available for pick up with Contract Specialist, Claudia Abarca of the Public Works Contracting Group.
- Q8. We anticipate that site dewatering will be required for installation of most of the sewer pipelines on this project, since the invert elevation of the pipelines will be below the existing groundwater elevations. RFP Attachment B, paragraph 5.2.12, asks the Design-Builder to provide a quantity estimate for the gallons of dewatering that will be needed for the project. It also states that the estimated quantities will only be used to evaluate the technical proposal, but that the actual quantities will vary during the actual design and construction of the project. It is

very difficult to estimate the gallons of dewatering discharge at this time. An accurate estimate of dewatering discharge cannot be made until we perform our geotechnical investigation and potholing during the design phase of the project. Therefore, we request that the dewatering quantity estimate be deleted from paragraph 5.2.12 of Attachment B.

- A8. The dewatering quantity estimate will not be removed and shall remain in the RFP.
- Q9. As noted above, we realize that dewatering will be required but it is virtually impossible to determine the quantity of dewatering discharge at this time. Also, we do not know at this time whether we will be able to discharge into the sewer system or if we will need to discharge into the bay. In the past, when we have applied for a permit to discharge into the City sewer, it has been denied as the existing sewer lines in the beach areas do not have the capacity to accept more flow from a dewatering operation. In order to discharge into the bay, the RWQCB typically requires an extensive filtration system to treat the water before it is discharged. The cost for such a system is difficult to ascertain at this time, as we have not tested the water and we don't know the extent of treatment that will be needed before discharging into the bay. Section 705-2.7 of the 2012 Whitebook indicates that payment for dewatering costs will be made from Allowance Bid Items for "Dewatering Permit and Discharge Fees", "Dewatering Hazardous Contaminated Water", and "Dewatering Non-Hazardous Contaminated Water" as applicable. These allowance bid items do not exist on the bid form for this project. We request that these allowance bid items be added to the bid form with a pre-printed allowance amount for each item so that all proposers are on equal footing in regard to dewatering costs.
- A9. The Bid Items mentioned above are used during typical Design-Bid-Build project delivery method. Allowances for the items requested above will not be provided.
- Q10. Is there a City "Blanket Permit" to discharge in Mission Bay?
- A10. Yes. See Item 3, Addendum 1.
- Q11. Will the small portions of the project, outside the moratorium map, and replumbs be constructible during the summer moratorium?
- A11. No. The entire project must be shutdown during the summer moratorium.
- Q12. Has the City preformed any field topographic or aerial surveys within the project limits? Will this information be provided in digital format prior to the proposal due date?
- A12. City provided the Design-Build firms with all the survey files it had (in a CD).

Q13. The RFP Selection and Award Schedule list an anticipated Limited Notice to Proceed for August 7, 2013. What work will the Design-Builder be able to begin upon receipt of this Limited NTP? What work is the Design-Builder precluded from beginning upon receipt of the Limited NTP? What is the anticipated issuance of the full Notice to Proceed?

A13. Limited Notice to Proceed (LNTP) allows the Contractor to invoice the City for expenses incurred exclusively for the obtainment of bond(s) for this project. Any other invoices cannot occur until the NTP for this project has been officially issued.

The Notice to Proceed is estimated in early December 2013.

Q14. As part of this project, is Mission Boulevard to be overlaid the full width of the road or just the North bound side of the center island?

A14. All areas impacted by the construction of the new sewer and water facilities (including the main, sewer laterals, water services, etc.) along Mission Boulevard will require the street to be overlaid on both north and southbound lanes.

C. CHANGES TO THE REQUEST FOR PROPOSALS

1. To RFP, Attachment A, 2. Scope of Work, Item 2.7, page 22, **DELETE** “sub-item **2.7.11**. Caltrans permit acquisition;” in its entirety.

2. To RFP, Attachment A, 3. City Services, Item 3.1., page 23, **DELETE** “sub-item **3.1.8**. Permit fees (not including Caltrans)” in its entirety:

3. To RFP, Attachment A, 40. Bridging Documents, Item **40.1.2.**, page 56, **ADD** the following:

17. California Regional Water Quality Control Board, General Waste Discharge requirements

4. To Attachment C, Supplementary Special Provisions (SSP), **ADD** the following:

7-3.2.4 Contractors Hazardous Transporters Pollution Liability Insurance.

1. You must provide at your expense or require 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.

2. All costs of defense must be outside the limits of the policy. The deductible must not exceed \$25,000 per claim. Any such insurance provided by a subcontractor instead of you must be approved separately in writing by the City.

3. 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.
4. Contractual liability must include coverage of tort liability of another party to pay for bodily injury or property damage to a third person or organization. There must 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 must be procured before the Work commences and must be maintained for the duration of this contract. Claims Made policies must be procured before the Work commences, must be maintained for the duration of this contract, and must include a 12 month extended Claims Discovery Period applicable to this contract or the existing policy or policies must continue to be maintained for 12 months after the completion of the Work under this contract without advancing the retroactive date.
5. Except as provided for under California law, the policy or policies must 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.

7-3.5.4 Contractors Hazardous Transporters Pollution Liability Insurance Endorsements.

7-3.5.4.1 Additional Insured.

- a) 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 must 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.
- b) 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 is 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 must 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 must 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 must be in excess of your insurance and must not contribute to it.

Tony Heinrichs, Director
Public Works Department

Dated: *June 28, 2013*
San Diego, California

TH/BD/CG/egz

City of San Diego

CITY CONTACT: Claudia Abarca - Contract Specialist, Email: Cabarca@sandiego.gov.
Phone No. (619) 533-3439, Fax No. (619) 533-3633

ADDENDUM "2"

REQUEST FOR PROPOSAL (RFP)



FOR

MULTIPLE AWARD CONSTRUCTION CONTRACTS (MACC) FOR WATER, WASTEWATER, AND STORMWATER PROJECTS

TASK ORDER:	SEWER AND WATER GROUP 814
TASK ORDER NO.:	02
RFQ NO.:	12MCL100
PROPOSAL NO.:	K-13-5939-MAC-3-C
SAP NO. (WBS/IO/CC):	B-00435, B-00108
CLIENT DEPARTMENT:	2011/2013
COUNCIL DISTRICT:	2
PROJECT TYPE:	JA, KB

PROPOSAL DUE:

**12:00 NOON
JULY 18, 2013
CITY OF SAN DIEGO
PUBLIC WORKS DEPARTMENT
1010 SECOND AVENUE, SUITE 1400, 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 ABOVE.**

B. CHANGES TO THE REQUEST FOR PROPOSALS

1. To RFP, Section 5.0, "Selection and Award Schedule", page 4, **DELETE** in its entirety and **SUBSTITUTE** with the following: **SELECTION AND AWARD SCHEDULE**

5.1 The City anticipates that the process for awarding Task Order #2 will be according to the following tentative schedule:

5.1.1	Pre-Proposal Meeting	June 18, 2013
5.1.2	Proposal Due Date	July 18, 2013
5.1.3	Selection and Notification	July 31, 2013
5.1.4	Limited Notice to Proceed	August 7, 2013

Tony Heinrichs, Director
Public Works Department

Dated: *July 8, 2013*
San Diego, California

TH/BD/CG/egz

City of San Diego

CITY CONTACT: Claudia Abarca - Contract Specialist, Email: CAbarca@sandiego.gov
Phone No. (619) 533-3439, Fax No. (619) 533-3633

ADDENDUM "3"

REQUEST FOR PROPOSAL (RFP)



FOR

MULTIPLE AWARD CONSTRUCTION CONTRACTS (MACC) FOR WATER, WASTEWATER, AND STORMWATER PROJECTS

TASK ORDER:	SEWER AND WATER GROUP 814
TASK ORDER NO.:	02
RFQ NO.:	12MCL100
PROPOSAL NO.:	K-13-5939-MAC-3-C
SAP NO. (WBS/IO/CC):	B-00435, B-00108
CLIENT DEPARTMENT:	2011/2013
COUNCIL DISTRICT:	2
PROJECT TYPE:	JA, KB

PROPOSAL DUE:

**12:00 NOON
JULY 18, 2013
CITY OF SAN DIEGO
PUBLIC WORKS DEPARTMENT
1010 SECOND AVENUE, SUITE 1400, 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.

B. QUESTIONS AND ANSWERS

Q1. In addendum #1 the answer to Q2 is "No. Please bid as is." In the bridging documents provided there is no soils reports or hazardous contamination reports to review in order for the DB team to bid "as-is". Will the City please provide more information in order to determine the level of contamination since perform soil and ground water analysis for the complete project is not feasible during the bid process?

A1. The City has not conducted a soils investigation report for this project. Please refer to the MND included in the bridging documents for recommendations and construction protocols regarding these issues. The Design-Builder may also use the following website as an additional resource regarding these issues, <https://www.geotracker.swrcb.ca.gov/>. We have also provided a recently prepared soils investigation, "Geotechnical Evaluation Sewer and Water Group 815", located in the vicinity of Sewer & Water Group 814 for reference. See item 1, Addendum 3.

Q2. In addendum #1 the answer to Q9 is "The bid items mentioned above are used during typical design-bid-build project delivery method. Allowances for the items requested above will not be provided." Per the 2012 City Whitebook under Design-Build page 113, section 2-6.5 it discusses subsurface or concealed conditions that could not be reasonably discovered or revealed during the bid phase will be considered an extra cost and the contractor entitled to a price adjustment (in the Design-Build format). Since the City has not provided any information in the bridging documents or in addendum #1 on the condition, quantity, type of hazard, or location of hazardous material should it then be considered a change of condition per the above mentioned section?

A2. Per Section 2-6.5, paragraph 4 of the 2012 Whitebook, it is the Design-Builder's responsibility to have reviewed the documents provided by the City and complete its own examination or investigation of the site. At the discretion of the Design-Builder it may also use the following website as an additional resource regarding these issues, <https://www.geotracker.swrcb.ca.gov/>.

Per the City's preliminary assessment and review of the referenced website, the City Estimates 550 tons of contaminated soil might be encountered. For item 1 and 2 of Section 705-2.7 of the 2012 Whitebook, an allowance bid item is added to compensate for this work. Please see revised price proposal form of this addendum.

For item 3, 4 and 5 of section 705-2.7 of the 2012 Whitebook, the work should be included in the LS bid item 2, construction activities and no additional compensation will be provided.

- Q3. In addendum #1 the answer to Q6 is ".....The discharge fee will not be waived." Can you please provide the City's discharge fee schedule?
- A3. See Changes to the Request for Proposals, Item 2.
- Q4. In addendum #1 per Q7/A7 the package of as-builts and utility conflicts that were made available only contain 1 sheet that shows the profile of the existing waterline to be replaced (11x17 Titled "Alley Block 191"). This sheet only shows the alley waterline to be replaced between Redondo and Rockaway. This represents less than 3% of the complete water project. Does the City have any more As-Builts they can provide or post to the FTP site for the existing waterline to be replaced?
- A4. City has provided all the information collected during the preliminary planning stage of the project. The Design-Builder is required to collect all remaining as-builts for City facilities and all other agencies which will be necessary to complete the scope of work for this project.
- Q5. On the CD that was passed out during the Pre-Bid meeting the topographic survey provided in Microstation files ps814x.dgn and ps814t.dgn is incomplete (only covers a small portion of the project area and not many physical features) and does not reflect current conditions. Will the City be providing any additional survey data?
- A5. A new CD with the entire survey file is available for pick up with Contract Specialist, Claudia Abarca of the Public Works Contracting Group, at 1010 Second Avenue, Suite 1400, San Diego, CA 92101. Per the RFP, any additional survey that the Design-Builder feels is necessary to complete scope of this project must be provide by the Design-Builder and should be considered in their proposal.
- Q6. Within the documents we picked up yesterday as directed in addendum #1 there are 2 full size plan sheets that were provided. There are multiple symbols on these 2 sheets but there is no legend for the symbols nor is there a title of the sheet so we can determine what it is. I attached a picture we took of the sheet for your reference since we don't have an electronic copy. Can the City please provide a legend for the symbols and a description of what the map is?
- A6. As requested, the City provided all the documents/maps/as-builts collected during the preliminary planning stage of this project. Questions concerning the data provided with outside agency as-built drawings must be directed to those agencies for clarification. The City does not guarantee the accuracy and completeness of these documents and the Design-Builder is to utilize these documents at their own discretion.

- Q7. When walking the project and pulling water meter boxes there are multiple existing apartment buildings that are served by an existing 3/4" water service. Typically if these were to be constructed new today the City would require the building owner to install a 2" service. Will the City require the DB contractor to upgrade these apartment buildings or commercial buildings to a 2" water service or just replace with a 1" service? If the water service does get upgraded from a 3/4" service to a 2" service how does the new 2" water meter get purchased and installed?
- A7. Existing 3/4" services shall be replaced with 1" water services and 1" water meters.

C. CHANGES TO THE REQUEST FOR PROPOSALS

1. To Subsection 2.1, DELETE in its entirety and SUBSTITUTE with the following:
 - 2.1 The City's estimate of the Contract Price including the City's Contingency is **\$7,313,000.**
2. To Section 6, Equal Opportunity Contracting, subsection 6.2, **DELETE** in its entirety and **SUBSTITUTE** with the following:
 - 6.2 The mandatory minimum subcontractor participation percentages for this RFP are as follows:

SERVICES	SLBE	ELBE	DVBE	Subcontracting Requirement ¹
Design Services	4.20%	4.50%	0.60%	9.3%
Construction Services	6.60%	15.70%	3.0%	25.30%

Notes:

1. Subcontracting Requirement is the percentage of the individual contract elements i.e., Design Services or Construction Services.
3. To Attachment A, 40. Bridging Documents, Item 40.1.2., page 56, **ADD** the following:
 18. Geotechnical Evaluation Sewer and Water Group 815.
 19. Discharge Fee Schedule/Calculation.
4. To Attachment D, "Price Proposal Forms," pages 226 through 227, **DELETE** in their entirety and **SUBSTITUTE** with page 5 of 6 through 6 of 6 of this Addendum.

Tony Heinrichs, Director
 Public Works Department
 Dated: *July 12, 2013*
 San Diego, California
 TH/BD/CG/egz

PROPOSAL DOCUMENTS

PRICE PROPOSAL FORMS

The Design-Builder agrees to the design and construction of **Task Order 02 for Sewer & Water Group 814**, for the City of San Diego, in accordance with these contract documents for the lump sum Design-Build Proposal prices listed below. The Design-Builder guarantees the lump sum Design-Build Proposal prices for a period of 120 Days (90 Days for federally funded contracts and contracts valued at \$500,000 or less) from the date Proposals are due until the award of the Task Order. The duration of the price guarantee shall be extended by the number of Days required for the City to obtain all items necessary to fulfill all conditions precedent e.g., bond and insurance.

Item No.	NAICS CODE	Description	Quantity	Unit	Unit Price	Extension
1	541330	Design Services	1	LS	 	\$
2	237110	Construction Services	1	LS	 	\$
3		City Contingency (See Section 1-2, "TERMS AND DEFINITIONS" in The WHITEBOOK for Allowances)	1	AL	 	\$400,000.00
4	238990	Dewatering Permit and Discharge Fee and Dewatering Hazardous Waste contaminated Water.	1	AL	 	\$200,000.00

Total Design-Build Proposal Amount (Item No. 1 through Item No. 4 inclusive): \$_____

Total Design-Build Proposal Amount (Item No. 1 through Item No. 4 inclusive) written in words:

The Design-Builder: _____

Title: _____

Signature: _____

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

PROPOSAL DOCUMENTS

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

NOTES:

- A. After the selection has been made, the City may award the task order for the Base Proposal alone or if applicable, for the Base Proposal plus any combination of alternates selected in the City's sole discretion.
- B. Prices and notations shall be in ink or typewritten. All corrections (which have been initiated by the Design-Builder using erasures, strike out, line out, or "white-out") shall be typed or written in with ink adjacent thereto, and shall be initialed in ink by the person signing the Proposal.
- C. Failure to initial all corrections made in the proposal documents may cause the Proposal to be rejected as **non-responsive** and ineligible for award.
- D. Blank spaces must be filled in. The Design-Builder's failure to submit a price may render the Proposal **non-responsive** and ineligible for award.
- E. 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.

Multiple Award Design-Build Contracts for Water, Wastewater, and Stormwater Projects

RFQ 12MCL100, Task Order No. 02 Sewer and Water Group 814

TECHNICAL PROPOSAL: EXECUTED ORIGINAL



July 18, 2013

Submitted to:
City of San Diego
Public Works Department
1010 Second Avenue, Suite 1400, MS 614C
San Diego, CA 92101
ATTN: Contract Specialist

Prepared by

El Cajon Grading & Engineering, Co.
PO Box 967
Lakeside, CA 92040
(619) 561-9840

Mr. William Young, Design-Build Team Project Manager
b.young@ecgrading.com

and

David Evans and Associates, Inc.
401B Street, Suite 410
San Diego, CA 92101
(619) 400-0600

Ms. Tricia McColl, PE, Design Manager
pmm@deainc.com

**Multiple Award Construction Contracts (MACC) for Water, Wastewater, and Stormwater Projects
Task Order No. 2 - Sewer and Water Group 814**

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Sections 1-3

Addenda Receipt, Exceptions, Subcontracting Participation

1: Addenda to the RFP

The El Cajon Grading and Engineering Company, Inc. and David Evans and Associates, Inc. (ECGE-DEA) team is in receipt of Addendum “1”, Addendum “2” and Addendum “3” for the Request for Proposal (RFP) for Multiple Award Construction Contracts (MACC) for Water, Wastewater, and Stormwater Projects, Task Order No. 2, Sewer and Water Group 814 for the Engineering and Capital Projects Department for the City of San Diego (City).

2: Exceptions to the RFP

The ECGE-DEA team has reviewed the Request for Proposal for Multiple Award Construction Contracts (MACC) for Water, Wastewater, and Stormwater Projects, Task Order No. 2, Sewer and Water Group 814 for the Engineering and Capital Projects Department for the City of San Diego and does not have any exceptions.

3: Subcontracting Participation Percentages

ECGE is committed to promoting local San Diego businesses, as well as DVBE/SLBE/ELBE firms. An updated work force report and updated Design-Build Subcontractor and suppliers past participation list for the “Old Highway 80 Sewer Improvement Manhole 17-24” are included in Appendix. The work force report is current as of 1-24-13. The Old Highway 80 project has been completed and the updated form provides the final percentages based on the completed project. All other previously submitted documentation is unchanged. The following table outlines the team’s commitment for design and construction services.

DESIGN TEAM	SCOPE OF SERVICES	FIRM TYPE	PERCENTAGE OF WORK
David Evans and Associates, Inc.	Prime Designer	OBE	78.4%
San Dieguito Engineering, Inc.	Survey & Utility Mapping	SLBE/ELBE	13.57%
RCE Traffic Engineering	Traffic Control Plans		
McGrath Consulting, Inc.	Storm Water Management		
Parc Civil Inc.	Design Support	DVBE	1.4 %
CONSTRUCTION TEAM	SCOPE OF SERVICES	FIRM TYPE	PERCENTAGE OF WORK
El Cajon Grading and Engineering	Prime Contractor	OBE	63.16%
	Equipment / Materials Supplier	DVBE	5.28%
	Equipment / Materials Supplier	SLBE	15.15%
	Subcontractor		
	Equipment / Materials Supplier	ELBE	8.71%
	Subcontractor		
	Equipment / Materials Supplier	OBE	7.70%
	Subcontractor		



Section 4

Project Team

4: Project Team

The Design-Build Team will function in a prime/subcontractual relationship. ECGE will serve as the prime Design-Build entity and will be responsible for overall project management and coordination, job site safety, construction, and, above all, client satisfaction. DEA will lead the Design Team and be responsible for developing construction documents that meet the City's design criteria and CAD standards, as well as the permit requirements of affected agencies and other City departments. The team provides experienced hands-on management and support staff with long-term relationships here in San Diego to ensure successful execution of this DB contract through:

- Active construction insight during the design phase
- Active design support throughout construction
- Leadership
- Strong lines of communication and authority
- Ownership of responsibility for the project, with personal accountability

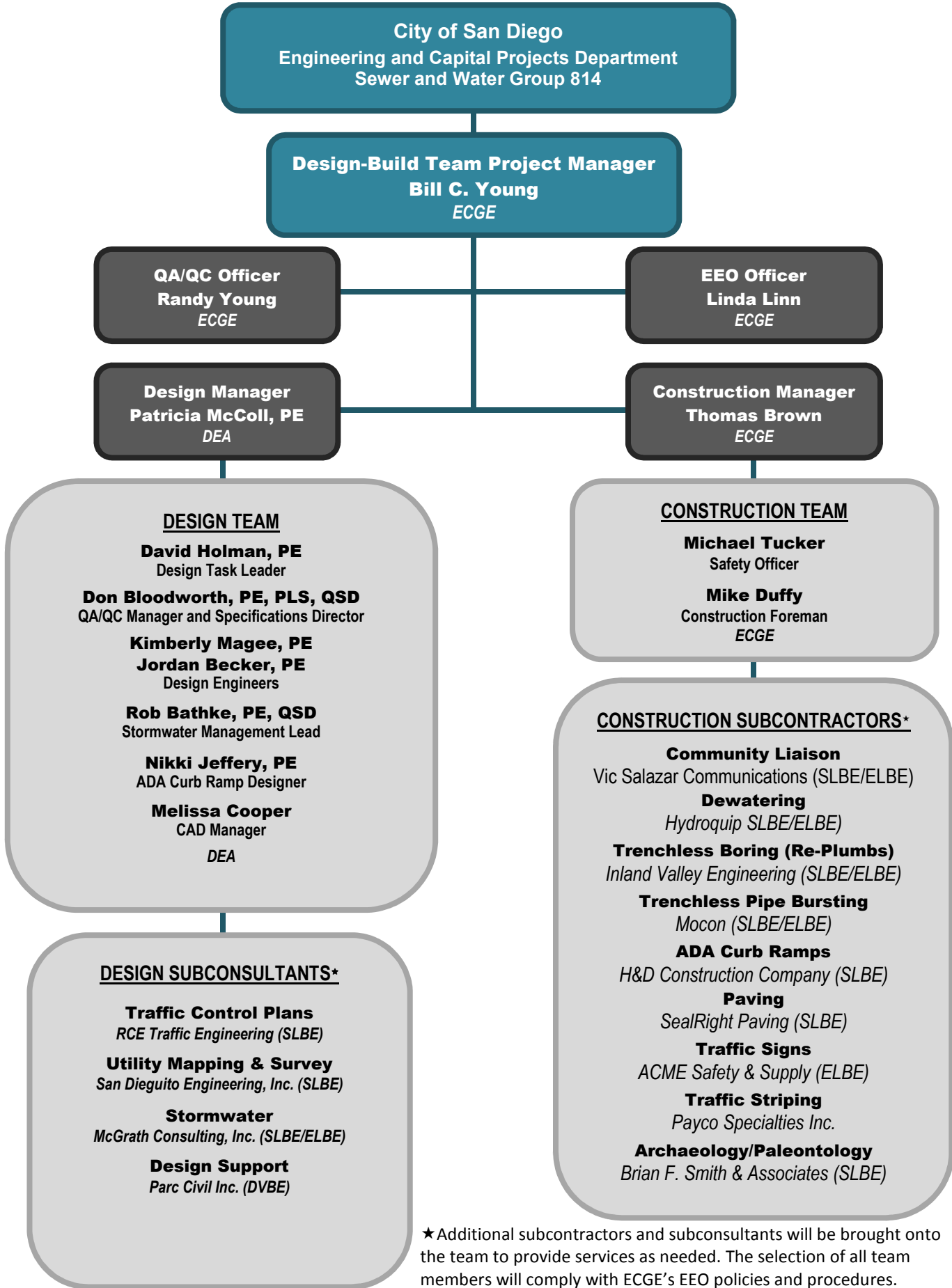
Our Management Plan defines roles and responsibilities for our team and establishes the protocols to ensure effective communication and implementation of the project. Key elements of the plan include: Staffing, Quality Assurance/Quality Control Plan (QA/QC Plan), Communications Plan, and Cost and Schedule Control Plan.

Project Team

ECGE and DEA have committed principal level staff members to serve in key roles of responsibility throughout the duration of the project. Continuity and consistency are the key elements to the long-term success of both firms and equally critical to the success of this project. Bill Young brings 40 years of experience (35 years with ECGE), while Tricia McColl provides 30 years of professional experience (23 years with LMA-DEA). Both key individuals will be actively involved until completion of the project.

Water group jobs have a unique set of challenges well beyond the physical constraints of constructing a pipeline in an urban environment. Our key team members have been selected for their specialized experienced to address community concerns, traffic control, environmental permitting, franchise utility coordination and ADA compliance essential to a successful project. Complete resumes for team members were previously submitted as part of the SOQ and remain unchanged.

Team Organizational Chart



★ Additional subcontractors and subconsultants will be brought onto the team to provide services as needed. The selection of all team members will comply with ECGE's EEO policies and procedures.

Staffing Plan – Roles and Responsibilities

Bill Young will serve as the Project Manager. With over 40 years of experience, Bill's knowledge of construction and strong leadership sets the tone for a fully-integrated Design and Construction Team. His direct communication style and demand for excellence and accountability provide the foundation for quality projects produced on time and within budget. This is evidenced by the more than 30 successful group jobs he has constructed for the City of San Diego. As Project Manager, Bill will be the main point of contact for the City's Project Manager. He will be responsible for negotiating contracts with the City, consultants and subcontractors, and coordinating and facilitating communications between the City and team members. He will work closely with Tricia McColl, the Design Manager, and Tom Brown, the Construction Manager, to ensure execution of the Project Management Plan. He will work with Randy Young to ensure execution of the QA/QC Plan and Safety Plan. Bill will participate in the value engineering activities directed by Randy Young and is ultimately responsible for the project details. Bill has always been actively involved in the community on both a personal and professional level. He will work closely with Vic Salazar, the team's communications consultant, to define and execute the Outreach Plan and actively participate in outreach efforts where his honesty is exemplified in his approach to community relations.

As the EEO Officer, Linda Linn is responsible for contract compliance including accounting of DBE/SLBE/ELBE participation, prompt payment, and contract conditions. As part of the ECGE team for over 30 years, contract details and reporting requirements are an integral part of her duties. Her success is evidenced by the ECGE record for compliance and the fact that no complaints have ever been filed against ECGE for unfair practices.

Randy Young will serve as the project QA/QC Officer for both design and construction. Following Bill Young's leadership for more than 30 years, Randy has developed the same direct communication style and demand for accountability at all levels. Randy's detailed knowledge of water and sewer construction methods, materials, testing, and standards is unparalleled. These are just some of the assets that contribute to his success in implementing the team's QA/QC Plan. The DB Team will regularly perform value engineering to provide best-value for the City. Randy will direct the value engineering and constructability reviews together with the Construction Manager, Tom Brown, to integrate field experience into the design. Randy will provide a thorough review of the specifications for conformance with actual field practices. Any approvals required for changes or substitutions will be recognized early allowing for the construction to be completed correctly the first time and without field delays. The team will use Quality Assurance and Quality Control methodology during both the design phase and construction phase to address constructability, schedule, community impacts, and permitting. As part of Randy's QA/QC duties, he will be responsible for preparation and implementation of the Safety Plan and ongoing value engineering. He will also participate in daily job site activities, overseeing safety, and workmanship firsthand.

Construction Team

Tom Brown will serve as the Construction Manager. He has over 27 years of construction experience with ECGE having worked his way up from field operator to Construction Project Manager. Tom has been scheduling projects since 1997 with Primavera software coupled with Timberline accounting software to track cost. His software proficiency and organizational skills together with his knowledge of construction methods, materials, and procurement lead to cost effective solutions, on time and within budget. Scheduling includes an ability to adjust to meet challenges. As a team, Tom and Randy know the issues and work

together to re-order work, find substitute materials, add resources, and expedite tasks, etc., to keep projects on target. Tom is responsible for construction-related project controls and communication as detailed in the Project Management Plan.

Mike Tucker will serve as Safety Officer and Mike Duffy will serve as Construction Foreman and report to Tom Brown. Both gentlemen have over 30 years of experience working in the construction industry as part of the ECGE team. Mike Tucker will be responsible for job-site safety meetings, safety compliance, and supervision of field personnel. Mike Duffy will be responsible for scheduling labor and equipment, and supervising subcontractors. Both are trained in first aid response and stormwater management. With their field experience, they are able to handle any issue that arises whether it is a construction task, testing, permitting, traffic control, community concern or medical emergency. They are the first responders working together and providing coverage for multiple work sites.

Design Team

Patricia “Tricia” McColl, P.E., has more than 30 years of experience designing public works projects in San Diego. She will serve as the Design Manager overseeing the DEA design staff and working closely with Bill, Tom, and Randy to incorporate the constructability and cost perspective from the Construction Team. Tricia and Bill have built an integrated Design and Construction Team that successfully designed, and is near completion of WGJ 3012. Tricia will supervise the key Design Team members listed in the organizational chart and be accountable for design oversight, staffing and scheduling to ensure that the design is completed on time, on budget, and in accordance with City Standards. She will attend all Design Team meetings and agency meetings, and will hold internal DEA Design Team progress meetings. She will be responsible for the design schedule, staffing, design scope, and design budgets. She has managed large sewer and water replacement projects, as well as many multidiscipline projects with extensive ADA upgrades, right-of-way (ROW) engineering, traffic control, traffic signal, stormwater management and permitting with Caltrans and MTS.

David Holman, P.E., will serve as the Design Task Leader and will be responsible for preparation of the water and sewer main plans, utility coordination, specifications, hydraulic modeling, and design calculations in conformance with the current Design Guide and White Book. He will supervise the DEA designers and drafters and coordinate with the consultant team members responsible for completion of the project design elements, including ADA access, traffic control, stormwater management, and permitting, City departments, and the State Department of Health. David will participate in value engineering, assist with construction support, and attend all project team and agency meetings. David has 10 years of experience with DEA and has been the Engineer of Record on numerous sewer and water pipeline projects. David is currently the Design Task Leader for WGJ 3012.

Don Bloodworth, P.E., P.L.S., will serve as the QA/QC Manager and Specifications Director for the Design Team. Don has over 20 years of experience designing public works projects in San Diego. He will oversee the QA/QC Plan implementation for the design, ensuring that independent reviews are performed in accordance with the QA/QC Plan and that all reviews are documented and issues resolved. DEA requires a QA/QC Plan for all projects, including independent review. Don will report to the DEA Regional QA/QC Manager with copies of all correspondence to the Design Manager, Tricia McColl.

Key Design Team members include Kim Magee, P.E. and Jordan Becker, P.E., who will provide alignment and design details in Microstation and Nikki Jeffery, P.E., who will be responsible for the design of the curb ramps, surface improvements. Coordinating CAD files for large projects with multiple consultants is essential to efficient plan preparation. DEA has assigned Melissa Cooper as CAD Manager for the project. With over 15 years of experience at DEA, Melissa is proficient with Microstation. Her detailed knowledge of the software, outstanding organizational skills and attention to detail make her the ideal CAD Manager. Resumes for these staff were submitted as part of the Statement of Qualifications including their participation in WGJ 3012. Design support staff will report to David Holman.

Construction Subcontractors

Vic Salazar Communications (SLBE/ELBE) will take the lead in community outreach with the help of Bill Young and Tricia McColl to promote public awareness and garner community comments and support throughout the project. Vic's first project as an SLBE/ELBE firm was WGJ 3012, also with the ECGE team. Vic has since provided public outreach for five City of San Diego Group Jobs. Water main replacement projects are essential to the community with long lasting benefits. In the short-term, local businesses and residents will notice the traffic impacts and construction noise. The best way to minimize these impacts is to make sure stakeholders know what to expect, understand the work schedule and are prepared for any inconveniences that may occur while their infrastructure is improved.

Hydroquip Pump & Dewatering will perform the dewatering services as required for the excavation. Since 1983, Hydroquip has developed construction dewatering techniques utilizing vacuum well points, educator/ejector wells and deep wells catering to numerous construction and remediation projects involving complex site and soil conditions. Hydroquip has performed dewatering services on over six group jobs in the area including the recent GJ754 which replaced existing water and sewer in the Mission Beach area.

Inland Valley Engineering Inc (IVE) will perform the replumb borings. IVE is an underground trenchless and boring specialist contractor.

Mocon Corporation will perform the pipe bursting services for the areas identified in the design and construction approaches.

H&D Construction (SLBE) will build the curb ramps for the project. Their Project Manager, Mike Aprea, will work closely with Designer, Nikki Jeffery, P.E., to develop cost effective solutions with minimum impact to existing facilities. Mike has constructed hundreds of curb ramps and is very familiar with ADA standards and the challenges of constructing new ramps in a built environment. Mike and Nikki completed over 400 ramps for WGJ 3012, including custom designs with extensive sidewalk and roadway reconstruction.

Brian F. Smith & Associates (SLBE) will provide archaeological and paleontological monitoring for new trenches as defined in the MND. Brian Smith and his team have regularly been a part of the ECGE team providing monitoring for City of San Diego Group jobs. They are very familiar with the monitoring and reporting requirements, responsive to scheduling demands, and provide efficient service.

Design Consultants

The engineered traffic control “D” sheet plans required for this project will be provided by **RCE Traffic and Transportation Engineering (RCE)**. Principal and owner of RCE, Rick Craft has more than 30 years of experience in the field of transportation, traffic, and civil engineering throughout southern California. Rick has reviewed the project details and has developed a specific approach to the traffic control. The traffic control approach is further discussed in Section 5 of this proposal.

The design survey services and utility mapping will be provided by **San Dieguito Engineering, Inc, (SDE)**. Firm president, Annie Aguilar, will lead SDE’s design support services. Annie and her team prepare the aerial topographic mapping along with supplemental field topographic services as required to complete the design and prepare the construction documents. In addition to the surveying services, SDE will contact facility owners within the limits of the project and request as-builts drawings. Utilizing this information, SDE will prepare a base map design file of the existing utilities.

The stormwater management plan will be prepared by **McGrath Consulting, Inc.** Firm president and owner Michael McGrath will develop the SWMP for this project. Michael has been preparing stormwater management plans within the San Diego area for over 10 years.

Parc Civil Inc. will provide design support for the construction documents. Parc Civil Inc. is full service civil engineering and construction management firm. Firm president and managing principal, Amy Czajkowski, will lead the design support services. Amy has over 18 of design and construction management experience.

Several additional firms and contractors were contacted and given an opportunity to be a part of the project team. They are summarized in the table below.

SERVICES	DESIGN CONSULTANTS
Civil Design Support	Parc Civil Inc., Terramar Engineering
Traffic Control Plans	Dave’s Traffic Control Plans, RCE Traffic and Transportation Engineering, Robcar Corp. dba Hudson Safe-T-Lite
Stormwater	McGrath Consulting
Survey & Utility Mapping	San Dieguito Engineering, Inc., Southland Surveying, Inc.
CONSTRUCTION SUB CONTRACTOR	
Pavement Markings	LSI Road Marking, Payco Specialties Inc., Statewide Stripes, Inc.
Curb Ramps	Crest Equipment Inc., H&D Construction, YBS Concrete
Sewer Manholes	Oldcastle Precast, R & C Structures, Inc.
Sewer Rehab	Sancon Engineering, Southwest Pipeline And Trenchless Corp.
Paving	Daley, SealRight Paving, Hazard Construction, A.M. Ortega Construction, Inc.
Bore Sewer Laterals	Inland Valley Engineering Inc
Electrical	Perry Electric, Southwest Signal Service, Sutherlin Contracting, Inc
Sewer Replumbing	Bonita Pipeline
Bedding Materials	J. Cloud Incorporated
Pipeline Materials	Draves Pipeline



Section 5

Technical Approach and Design Concept

5.1: Proposed Design Concept

General

Sewer and Water Group 814 will construct water and sewer improvements within the Mission Beach and Pacific Beach neighborhoods. Improvement projects within these aged and congested beach neighborhoods are unique with their challenges and success is achieved through implementing proven techniques. Our D-B team has established approaches working in these neighborhoods as evident with the 8-miles of water main we just completed in Pacific Beach for Water Group 3012 (WG3012). We will walk you through our technical approach and concept designs for Group 814 to demonstrate our knowledge and understanding of this project.

Design Alternatives

Utility replacement projects in developed urban areas create challenges to adhere to current design standards. However, we always review the proposed scope for opportunities to improve the existing infrastructure to comply with current standards. We review items such as cover, separation, spacing, and sizing. The existing sewer and water in the Mission Beach area currently do not comply with minimum separation or cover requirements. We considered installing the replacement water and sewer in new alignments and at deeper elevations to comply with current standards. After a careful review of record drawings and field conditions, we have concluded that the alleys are too narrow to increase the separation and increasing the depth would result in too many conflicts with existing utilities. For the most part, the replacement mains will be constructed in the same location as the existing mains.

Our team thoroughly reviewed the scope of this project and investigated opportunities to provide alternatives and value engineering. We reviewed the alignments of the proposed water and sewer improvements to determine if alternate locations were feasible based on the best available information and field discoveries. Mission Boulevard provides adequate space to install the new water main adjacent to the existing. This would allow the existing main to remain in service and significantly reduce the amount of highlining required. The increased impact to the archaeological and paleontological monitoring for new trenches along with the increased impact to the traffic control resulted in a determination that this option would not be feasible. We also investigated new alignments for the water and sewer improvements located in the alleys. The limited space and number of existing utilities makes alternative alignments within the alleys not feasible. Finally, we investigate realigning a portion of the new sewer in Ocean Boulevard. We considered running the new sewer down Ocean Boulevard at an opposing street grade with a connection into existing MH #30. This would have eliminated additional new manholes and allowed additional abandonment of the existing sewer. This alignment is technically feasible and the overall alignment is shorter, but the increased depth results in a greater construction cost. Ultimately, we determined the proposed alignments and scope of work proposed in the RFP and predesign documents provided the most cost effective approach to achieving the goals of this project.

Water Improvements

The water improvements consist of replacing existing cast iron (CI), PVC and asbestos concrete (AC) water mains with new 8-inch and 12-inch PVC mains and installing a dual water main in Loring Street to provide the required system reliability. After a design alternative review by the ECGE-DEA team, it was determined that all water improvements will be replaced in the same locations as existing mains and as shown in the bridging documents with the exception of a section of replacement water main in Mission Boulevard near West Mission Bay Drive. The dual main in Loring Street is required to adhere to City of San Diego Water Department Guidelines and Standards Book 2, Section 2.8, System Reliability. This standard states that water mains must be designed so that no more than one, average city block (approximately 30 homes) is out of service at any time and no more than two fire hydrants are on a dead end or are out of service at a time. Water mains serving more than two hydrants or more than 30 homes must be looped, fed from two sources, or provided with a reservoir of sufficient capacity to supply emergency needs. There are currently 39 homes served by essentially a dead-end water main. The new dual water main from Crystal Drive to Pacific View Drive will provide redundancy for 16 of these homes reducing the number of homes on the dead-end water main to 23.

Within residential areas a total of three valves will be placed at each cross and two valves at each tee with a few exceptions where excessive length, number of fire hydrants or phasing and highlining benefits dictate installation of additional valves. Areas zoned commercial will receive a total of four valves at every cross and three valves on every tee. Where new pipelines tie into existing smaller branch mains, gate valves will be upsized to the larger valve size to comply with future pipe sizes. Blowoff assemblies will be installed at dead end runs per SDRSD SDW-106. All blowoff assemblies will be 2-inches. Concrete thrust blocks will be provided at all horizontal bends and at all crosses and tees where adequate clearance from existing facilities is available. Where clearances are not available and at vertical bends, restrained joints and ductile iron fittings will be used to maintain pipeline stability.

All Fire hydrants (FH's) will be replaced and installed per current City standards. Existing FH's do not meet current spacing requirements. We will install four (4) new FH's and adjust the locations of four (4) existing FH's to meet the current minimum spacing requirements of 350 feet for multi-family residential and commercial zones, and 450 feet for single family zones. New and relocated hydrants will be placed to minimize impacts to private property and parking. Every new FH will require 30-feet of red curb, further restricting street parking in areas with parking shortages. Our approach is place new FHs to overlap the new red curb with existing no parking areas such as driveways and existing red curb. This approach worked well on WG3012 where we installed 14 new FHs but only eliminated 5 parking spaces rather than 15+. Additionally, the location of new FHs required property owners' approval. The public outreach team will coordinate notification regarding new fire hydrant locations to property owners and make adjustments where feasible to gain concurrence.

Existing water services will be replaced from the new main to the meters. New services will be replaced with 1-inch or 2-inch copper services depending on the size of the existing meter. For purposes of this proposal, all services are assumed to be constructed using cut and cover methods. Consideration will be given to boring new laterals during the design phase based on soil conditions. Backflow devices and other private facilities will not be upgraded as part of the work.

Sewer Improvements

Group 814 sewer improvements will consists of 4,800lf of existing sewer replacement, 1,900lf of new sewer pipe, and 620lf existing sewer pipe rehabilitation. The improvements also include 44 sewer lateral replumbs and abandonment of approximately 1,660lf of existing sewer pipe. The existing sewer mains consisting of PVC, vitrified clay (VC), and concrete pipe (CP) will be replaced with PVC pipe. Main replacements will be designed to City standards and follow the existing horizontal and vertical alignments. Video inspection provided by ECGE will be reviewed to verify existing lateral locations. New sewer laterals will be constructed to the property line with

cleanouts added. The lateral sizes will match the existing. For purposes of this proposal, all lateral replacements are assumed to be constructed using cut and cover methods. All sewer replumbs will be installed using trenchless technology.

Horizontal Layout

The existing sewers to be replaced will follow the horizontal alignments of the existing pipes. Maintaining the existing alignments will limit introducing conflicts with the existing utilities. The proposed new sewers will be designed to maintain required separation of 10' from outside to outside wall of the pipes. Curved sewer will be permitted for sewer alignments with a radius greater than 200 feet for 8-inch pipe and 250 feet for 10-inch pipe. Based on our preliminary designs, curved sewers will be installed in Crystal Drive, Dixie Drive, and Ocean Boulevard with radii ranging from 240 feet to 400 feet.

Vertical Layout

The existing sewers to be replaced will follow the vertical profile of the existing pipes. Maintaining the existing alignments will minimize introducing conflicts with the existing utilities. The proposed new sewers will be designed to maintain the required separation of 1 foot from outside wall to outside wall of the pipes. No vertical curves are expected for the new sewer mains.

Separation

Sewer and Water

A minimum of 10 feet horizontal and 1 foot of vertical separation must be provided between the nearest outside surface of the sewer pipe and the outside surface of the potable water main. There are several locations throughout this project where the required separation is not possible due to existing conditions. The alleys' typically have a width of 16 to 20 feet with the existing sewer running down the center resulting in 3 to 4 feet of separate between the existing sewer and existing water mains. In locations where the required separation cannot be achieved, a deviation from standard request will be submitted to the California Department of Health Services (CDHS) for review and approval. Written approval of each deviation will be required for all locations where the separation cannot be achieved. In addition to the approval of the CDHS, the City will require that both the pipe and pipe joints be upgraded. The upgraded sewer pipe will consist of PVC, SDR 26. The upgraded water pipe will be PVC Class 305. Locations with sewer and water replacements within the same alley or street will include upgrading either the water or sewer pipe.

Sewer and Structure/Building/Curb & Edge of Pavement

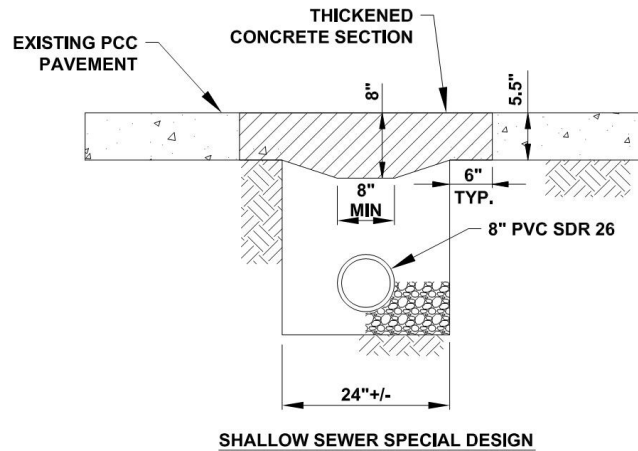
A minimum of 15 feet from separation shall be provided between sewers and structures or 10 feet in special cases per the City of San Diego Sewer Design Guide, Section 2.2.5. Many of the sewer mains to be replaced are located in alleys varying in width from 15 feet to 20 feet with garages immediately adjacent. In many cases the building separation cannot be achieved. Areas with deficient separation will be documented for an exception to standards. The existing sewer in the alley between Chalcedony Street and Missouri Street is located only five (5) feet from the existing multiple story building. Due to the proximity of the existing structure, open cut excavation is not feasible. Pipe bursting will be utilized in this area to minimize conflicts with existing structures.

A minimum of 10 feet separation between the edge of the existing pavement or curb and the sewer main will be achieved for all new sewer mains in the streets.

Shallow Sewers

There are several locations throughout the project where the existing sewers to be replaced are located with shallow cover. For all sewer mains with less than 4 feet of cover, special design will be required for live and dead loads. The special design will include calculations demonstrating a zero deflection in the pavement. We have

performed preliminary calculations for the special design of the sewers. Based on our calculations, upgrading the sewer pipe to SDR 26 and providing a thickened pavement section over the sewer pipe, will provide a pavement section with zero deflection. Below is a trench detail we developed for shallow sewers with less than required cover.



Replumbs

This project will require existing sewer laterals to be replumbed to new sewer mains located in public streets. The location and elevations for the existing laterals are unknown. Each lateral will have to be field located. The existing sewer mains will be videoed and the video equipment will deploy a tracking probe up each lateral. The tracking probe will run up the lateral and determine the exact location of the house connection point. Pinpointing the lateral connection location with trenchless methods will significantly limit the excavation required on private property. At this point, the new lateral will be bored to the new sewer main in the street. The lateral will be constructed at a minimum slope of 2% and will cross the property line at a depth of 5-feet. All of replumbed sewer laterals will be installed with trenchless technology. Cleanouts will be installed on the private sewer at every bend.



As previously mentioned, the locations of the sewer lateral replumbs will be unknown during the preparation of construction documents and therefore will be shown approximately on the plans. The construction documents will include a plan sheet with the existing building and structure outlines along with permanent surface improvements. The plans will provide the location of the lateral connection point to the sewer main.

The construction of the sewer lateral replumbs is further discussed in Section 6.1.

Sewer Pipe Bursting

A portion of the sewer replacements will be constructed using a pipe bursting technique. The sewer in several alleys is relatively deep, located close to existing buildings, and with close proximity to existing utilities. In these areas we propose to use pipe bursting to replace the existing sewer mains primarily to limit the disruption to the neighboring hotels, condominiums, and residents.

The pipe bursting process is further discussed in Section 6.1.



Rehabilitated Sewers

The pipeline rehabilitation will utilize slip-lining for the existing sewers requiring rehab. The design team will provide specifications to define the acceptable materials and methods of the pipeline rehabilitation.

The rehabilitation process is further discussed in Section 6.1.

5.2: Technical Elements

5.2.1: Pipeline Alignment, Sizes and Locations of Appurtenances

The pipeline quantities, sizes, and appurtenances are summarized in Tables 5-1 and 5-2 below. The proposed alignments of the replacements are shown on Figures 5-1, 5-2, 5-3, 5-4 at the end of this section.

Table 5.2.1

SEWER IMPROVEMENTS					Water Improvements							
Pipe		Laterals	Manholes	Replumbs	Pipe		Valves		Fire Hydrants		Blowoffs	Water Services
8-inch	10-inch				8-inch	12-inch	12"	8"	Replace	New		
4,356	2,333	164	40	44	54	72	4,640	6,072	13	4	3	192

Pacific View Drive:

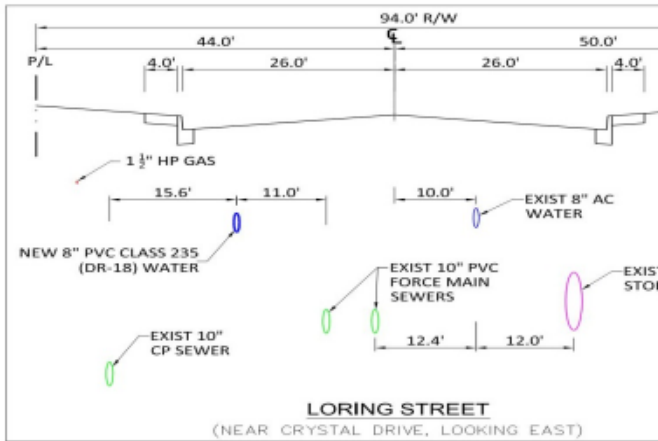
The existing 6-inch CI water main will be replaced in the same horizontal and vertical alignments with a 8-inch PVC, Class 305 pipe. There is an existing gravity sewer main which fails to meet current separation requirements due the curvature of the road. As a result, the replacement water main will require upgraded pipe to Class 305 and will require California Department of Health Services (CDHS) review and approval. A total of 18 water services will be replaced along with one fire hydrant and a 2" blowoff assembly will be installed at the end of the cul-de-sac. The replacement water main will connect to the existing 8-inch AC water main in Loring Street with a new tee and valves.

Ocean Boulevard:

The existing 4-inch CI water main will be replaced in the same horizontal and vertical alignments with a 8-inch PVC, Class 235 pipe. Adequate separation will be maintained. A total of 5 water services will be replaced and one new 2" blowoff assembly will be installed at the end of the cul-de-sac. The replacement water main will connect to the replacement pipe in Pacific View Drive.

Loring Street:

A new 8-inch PVC, Class 235 pipe will be installed from Pacific View Drive to Crystal Drive in order to provide the required system looping. This street is congested with an existing 10-inch gravity sewer main, two 10-inch force main sewers, a 24-inch RCP storm drain, an existing 8-inch AC water main and an existing gas line. The existing storm drain is located near the southern curb line which forces the new water main to the north. The proposed new pipeline will be located between the gravity sewer and force main with adequate separation. Below is a cross section of Loring Street which illustrates the proposed water main location.

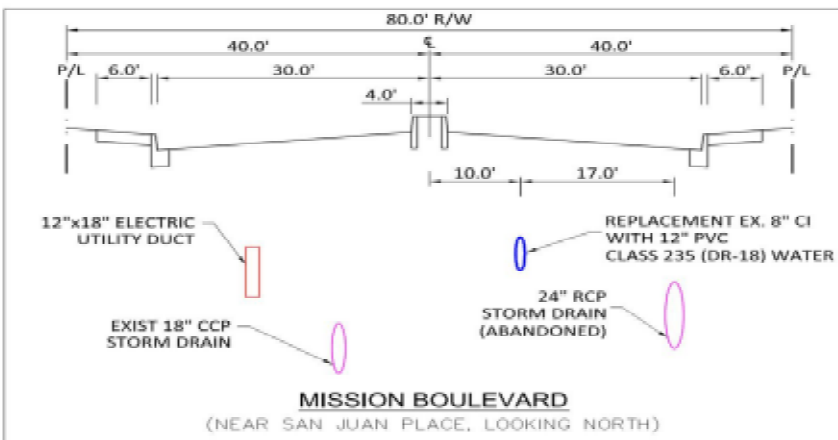


Typical Alley – Sewer & Water Replacements:

Three alleys include sewer and water main replacements. In these locations minimum separation cannot be obtained. Either the new sewer or water mains will be constructed or upgraded pipe materials. The sewer will be constructed of PVC SD-26 and the water will be constructed of PVC Class 305 (DR-14).

Mission Boulevard:

The existing water main in Mission Boulevard consists of 8-inch and 10-inch CI and will be replaced with 12-inch PVC. The water main will be replaced in the same horizontal and vertical location. There are limited utility conflicts but the water main does cross over 14 existing sewer mains. A majority of these existing sewer lines are relatively shallow and result in less than minimum cover for the existing water main. Based on information provided at this time, it was determined the water mains would be reaching a minimum cover depth of 30-inches. During WG3012 DEA preformed structural calculations to determine the pipe deflection within areas of similar constraints where minimal cover could be provided. It was determined that 24-inches was sufficient and approved by the City with the requirement to upgrade the pipe material.



SAN DIEGO MACC FOR WATER, WASTEWATER, AND STORMWATER

5.2.2: Traffic Control Approach

Well designed and executed traffic control minimizes the impacts of construction while providing a safe work zone. Our team approaches traffic control with three main objectives.

1. **Keep Traffic Moving** – Vehicles, buses, bicycles, pedestrians. Provided functional alternate routes whenever required.
2. **Keep Parking** – limit the closure of parking. This is especially critical in the congested beach area where parking is already extremely limited. We’ve found parking shortages often lead to the first complaints and concerns of the local businesses and residents.
3. **Safety First** – the safety of everyone in the area is always the number one priority. Our traffic control approach and plans provide safe and continuous access around the work zones while maintaining a safe working environment the contractors and their crews.

The existing traffic along Mission Boulevard exceeds 10,000 average daily trips (ADT). Therefore, all work in Mission Boulevard impacting the flow of traffic will require engineer prepared traffic control “D” sheets. These engineered traffic control plans will be reviewed and approved by the City’s Engineering and Capital Projects Department – Field Engineering Division. The traffic control plans will be prepared at the completion of the 30% water and sewer plan and profile sheets. The traffic control subconsultant will develop a conceptual traffic control plan and will review it with the City’s Field Engineering Division prior to the development of the plans. The following is a list of design criteria:

- The minimum number of stages while maintaining safety
- Maintain both pedestrian and vehicular access
- Keeping lanes open where feasible
- Keeping at least one lane open in each direction where feasible
- No night work will be permitted based on the proximity to residents
- Maintain Mission Beach Tsunami Evacuation Route



Working with our traffic control subconsultant we developed an approach to the traffic control along Mission Boulevard. During the mainline installation both the northbound and southbound inside traffic lanes will be closed to traffic. The excavation and pipe installation will occur in the northbound inside travel and the southbound inside travel lane will be used for equipment and material staging during work hours. The traffic control setups will maintain a 14-ft wide travel in both the northbound and southbound directions at all times. The 14-ft wide travel lane will allow for bicycle traffic. The work that crosses Mission Boulevard will be divided into three stages. Again both north and southbound travels lanes will remain open during all stages.

The following table outlines the roadways’ respective ADT traffic counts with recommended design speeds based on existing roadway conditions and measured 85th percentile speeds.

TRAFFIC CONTROL GUIDELINES					
ROADWAY	AVE. DAILY TRIPS ¹	85 TH PERCENTILE DESIGN SPEED	MAX. DELIN. SPACING	TAPER LENGTH	MIN. SIGN SPACING
Mission Boulevard	22,600	30 mph	30'	180'	200'

Table 5.2.2
¹Average Daily Trips per City of San Diego traffic volumes counts, figures from 2011.

5.2.3: Quality Assurance/Quality Control Plan (QA/QC Plan)

A Quality Control Plan (QCP) has been developed specifically for this project. This plan defines the techniques and procedures the design team will use to implement an effective, documented control of the design processes for the Project. The QCP will be used to verify the deliverables comply with the original goals and objectives of the project. The plan will also verify designs comply with required standards and specific criteria set for this project. This plan will also verify the design services performed comply with scope, schedule and budget defined by the project’s contract. Finally, this plan incorporates multiple reviews throughout the design process to ensure the final construction documents are clear, consistent, and complete.

Quality control is especially critical with design-build projects. Our team is working together under very tight margins with no budget or time for errors, rework or surprises. This plan has been developed to systematically guide our team through design in order to complete tasks correctly and efficiently.

The QCP provides a summary of the required documents and work which require reviews and checks. These reviews and checks will be performed to verify compliance with the standards and specific criteria set for this project as defined in the QCP. The QCP plan describes the organization of the Project team and the quality responsibilities of the team members. Quality standards identified within the QCP will provide the basis for quality of the design and will further guide the activities of the design consultant throughout the Project. Design control and document control procedures are outlined for the day-to-day performance of the design team, as well as for the review and response activities associated with formal milestone submittals. These procedures will result in achieving consistent quality control during the design execution process. This QCP is a living document and may be modified to increase the efficiency or effectiveness of the design quality program at any time.

QC Team Assignments							Quality Control Plan MACC Task Order #2 Group 814											
Preparer: Jordan Becker / JABE			Checker: Don Bloodworth / DXBL															
Preparer: Kimberly Magee / KLP			Reviewer: David Holman / DCHO															
Preparer: Nikki Jeffery / SYNO			Approver: Patricia McColl / PMM															
Document Number	Description	Document	Method of Review	Date Prepared	Init.	Date Checked	Init.	Date Reviewed	Init.	Date Approved	Init.							
30.RS.01	Field Investigation	Field Notes	Engineer															
30.UT.01	Existing Utilities	As-Builts/Records	Engineer															
30.SV.01	Survey Control Verified	Plans & Records	Engineer															
30.SV.02	Right-of-Way Verified	Plans & Records	Engineer															
30.RC.01	Pavement Assessment Report	Document	Engineer															
30.PR.01	State Health Department Clearance Checks	Permit	Record															
30.PR.04	Storm Water Pollution Control Plan	Calculations	Record															
30.SB.01	30% Submittal	Plans & Documents	Checklist															
30.CL.01	Comment Response Log	Document	Record															
60.DC.01	Design Calculations	Calculations	Engineer															
60.SB.01	60% Submittal	Plans & Documents	Checklist															
60.CL.01	Comment Response Log	Document	Record															
100.SB.01	100% Submittal	Plans & Documents	Checklist															
100.CL.01	Comment Response Log	Document	Record															
FN.SB.01	Final Drawings	Plans & Documents	Engineer															
FN.CL.01	Comment Response Log	Document	Record															

Quality control reviews will follow the project design schedule and are summarized in the table below. Every document reviewed will be assigned a specific document number for tracking and filing purposes. The QC review will use three methods of checking the items. Construction documents will be checked using review checklists. Design calculations and non-production items will be reviewed by an engineer. Other documents and information

such as permit requirements, owner addresses and contact information and completeness of comment response logs will consist of a record review.

Every document will follow a step by step review process. The Preparer will gather the information required for review and present it to the Checker. The Checker will review the document and provided comments to the Reviewer for confirmation. The Reviewer will verify the checker’s comments and return to the Preparer for revision. Once all the comments are addressed and back checked, the Approver will verify the document has completed its QC process.

During the review process a check stamp and color coded markup system will be followed. A Check Print Stamp will be placed on each plan sheet, cover or first page of text documents or calculations, as shown below. This stamp will help to ensure that the document properly follows the QC review process previously described and provides a record of the review.

The color code markup system will be used to review comments. Blue, black or red ink is used by the QC checker to identify corrections needed and comments to designer or drafter. A yellow highlight is used by the editor to indicate that the comment was addressed. Lastly, a blue highlight is used by a backchecker to confirm that the comment has been addressed.

CHECK PRINT	
<input type="checkbox"/> Drawing checked against calcs, and calc check confirmed	
Checker:	Date:
Confirmed by:	Date:
Edited by:	Date:
Backchecker:	Date:

Each sub-consultant will be responsible for QC reviews of their own work product, using procedures and methodologies that are the same or similar to those required in this QCP, before the document is submitted to the Project Manager. The QA/QC Manager will be responsible for verifying the completed review of each document before it is submitted. It is also the QA/QC Manager’s responsibility to confirm that the sub-consultant’s

work product is completed in accordance with the approved scope of work and in accordance with the applicable supplements to the contract.

Comment markups on design documents by external reviewers and resolution by the Project design team shall be tracked using Comment Response Logs. All comments received will be compiled to allow for easy sorting of comments by each assigned responder or reviewer, or by resolution status.

5.2.4: Paving Restoration

Paving restoration will be completed in accordance with the RFP and special provisions. All asphalt streets with water main and sewer main reconstruction will be resurfaced using a 1.5 inch edge grind and overlay at a minimum from lip of gutter to lip of gutter. The extent of paving restoration will extend to the nearest curb return beyond the pipeline alignment.

Table 5.2.4

PAVING RESTORATION	GRIND AND OVERLAY AREA
AC Overlay	294,652 SQFT

5.2.5: Water Highlining Plan for Each Site

The proposed water improvements will be constructed in phases to minimize impacts to the community and interruptions to their water service. The water improvements will be constructed in eight (8) phases as illustrated on Figures 5-3 and 5-4. Replacing the water main in place will require the existing water services to be highlined. Cut-in-Tees will be installed at intersections to maintain the network and keep water flowing while cut & caps will be utilized to isolate the water main being replaced.

The proposed improvements in the Mission Beach area include more of a full grid replacement rather than individual streets. This grid replacement requires a more detailed approach. The entire grid is fed by two connections at the north and south ends over a mile apart. Three (3) water mains running north/south provide the backbone infrastructure for the water network in this area. We've devised a phasing plan to maintain two of the backbone water mains at all times. This approach will maintain system reliability and system pressures during the entire project.

Proposed cut and plug locations are shown on Figures 5-3 and 5-4 at the end of this section. Final cut and plug/connection and highlining plans will be developed and submitted to the City for review and approval during the 30% design phase. Prior to start of any construction work, proposed shutdown schedules will be submitted to and coordinated with Water Operations for input and approval.

Water mains within five feet of a sewer main replacement will also require highlining. There are several alleys where existing sewer will be replaced. This sewer is at or below the existing water main elevation. To prevent a possible water main break, the existing pipe will be shut down and the water services will be highlined during the sewer excavation and replacement.

Details on phasing and highlining plans are further described on Section 6.1.7 plan for phasing construction activities.

5.2.6: Phasing of Design and Construction Work of Each Site Separately

The project will be designed in one phase and constructed in sixteen phases. The design of all improvements will begin upon receipt of the NTP in early December. The 60% design for all improvements will be completed and ready for construction prior to the end of the Summer Moratorium in 2014. Typically the construction plans would be phased into smaller packages and construction would begin as each package reached 60% completion. However, the moratorium creates a challenge to this approach. Expediting a portion of the design and beginning construction, however the best case scenario would only provide a three weeks of construction before the 2014 summer moratorium resulting in two mobilizations for the project. Our team's priority is to limit impacts to the community. We believe a single construction period would be less impactful than constructing a few miles of pipe, cleaning up for the summer and returning a few months later to begin construction again. Completing the design for all improvements also allows flexibility for the contractor during construction. They will be able to continue work on other phases should unexpected construction delays arise in any particular area.

The construction work has been divided into eight (8) sewer phases and eight (8) water phases. The construction phasing is further discussed in Section 6.1.8.

5.2.7: Curb Ramp Installation and/or Modification, if any

The Pre-Design reports for Sewer and Water Group 814 included a detailed analysis of existing curb ramps and recommendations for new and replacement ramps. The Design and Construction Team have reviewed the reports and field reviewed all ramp locations.



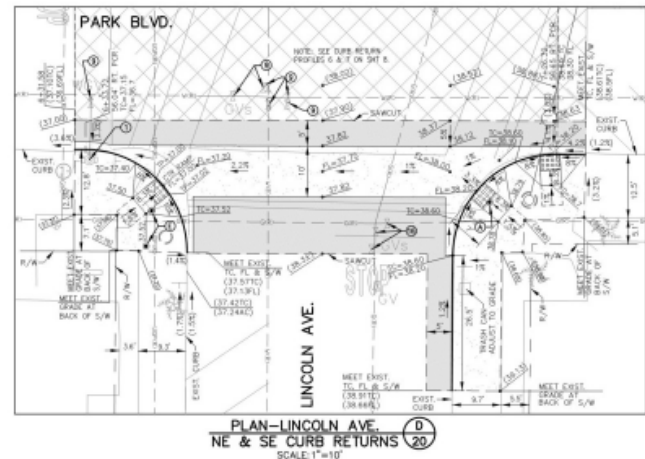
Design and construction of curb ramps in existing streets is not straight forward and requires a very detailed analysis of existing street and sidewalk slopes, existing obstructions, i.e. curb inlets or power poles, surface drainage and access to pedestrian signal activation buttons to determine the best ramp configuration and define the limit of pavement replacement both in the sidewalk area and roadway to construct compliant ramps. H & D Construction crews and DEA designers work very closely together to assess constructability and cost effective solutions for difficult situations. The photograph on the right shows one of the unique solutions the team produced for the WG 3012 project.

Detailed plans will be prepared for all of the curb ramps identified as modified or custom. A sample 10 scale detail used for a special curb ramp design is shown below. This level of detail with detailed survey data will be provided where needed to convey the design concept.

We have reviewed the detailed designs per the pre-design report and have field reviewed the proposed ramp locations. We concur with the City's recommendation for the special ramp designs at the following locations:

1. NW corner of Mission Blvd. & Santa Clara Place
2. SE corner of Mission Blvd. & Santa Clara Place
3. NE corner of Mission Bay Dr. & Mission Blvd.

Typical Ramp Detail



5.2.8: Phasing and Coordination with Adjacent Projects

The ECGE-DEA team closely coordinates with adjacent projects and contractors on every job. We have reviewed the City's CIP tracking database, CityWorks, as well as the project pre-design reports to identify current and future projects within the vicinity of Sewer and Water Group 814. Several adjacent projects will impact this project and additional coordination will take place. Two significant underground projects are scheduled for construction during the same period as this project. The new sewer alignments have been designed to avoid conflicts with the proposed undergrounding installations; however construction will take place in the same streets and will require scheduling coordination. The Palisades Park Comfort Station will include a new sewer connection to GJ814's new sewer improvements. This connection will require coordination with the comfort station designer. The ECGE-DEA team was the design-build team which constructed WG3012 and we completed the construction of this project in April of this year. Adjacent projects potentially impacting this project are summarized below:

1. WG 3012 – DB Water scheduled for completion 2013
 - No impact or coordination required. This project was completed by the ECGE-DEA team.
2. Palisades Park Comfort Station – scheduled for construction June 2013 to September 2014
 - Possible impact. There is a possible construction schedule overlap.
 - Coordination required. GJ 814 will be providing new sewer service to comfort station.
3. Undergrounding Project Block 2V1 & 2S2 – scheduled for construction June 2013 to November 2015
 - Possible Impact. Project’s area overlaps GJ 814 limits.
4. Sewer Group 815 – scheduled for construction August 2014 to May 2015.
 - Coordination Required. Construction schedules and work limits overlap.
5. Santa Clara Recreation Center - ADA scheduled for construction August 2014 to July 2015.
 - Possible Impact and Coordination required.
6. Sewer Pump Station 13 Rehabilitation Project – Limited Impact. Project schedules do not overlap.
7. Cass Street – scheduled for construction June 2014 to June 2016.
 - Coordinate required. Project located near GJ 814 limits and may impact traffic control.
8. North Pacific Beach Lifeguard Station scheduled for construction February 2014 to March 2015
 - Limited Impact. Project near GJ 814 but impact not likely.

5.2.9: Stormwater Pollution Control Best Management Practices

A Water Pollution Control Plan will be prepared consistent with the requirements for linear repair projects. The report format will follow the template provided by Engineering and Capital Projects Environmental Permitting Section. This project is not subject to a Construction General Permit (CGP) and will not require preparation of a Stormwater Pollution Prevention Plan (SWPPP). The Water Pollution Control Plan will provide inlet protectors to protect existing storm drains as well as additional protection measures necessary to protect material and equipment storage areas from mud or oil/gasoline spills. Street sweeping and vacuuming will be completed daily to remove dust and debris.

The Stormwater Engineer will work with the Construction Team to confirm that the designs are both effective and practical utilizing the latest materials available. Placement and monitoring of water pollution control devices is important to protect the environment, avoid citations from the Regional Board and to maintain a clean work site for the community. ECGE self-performs all stormwater management work to ensure immediate response to BMP failure during active rain events.

5.2.10: Subsurface Investigation and Geotechnical Work

A subsurface investigation for this project site has not been completed to date. However, we have reviewed the geotechnical evaluation for Sewer and Water Group 815 provided in the bridging documents. This evaluation report concluded that groundwater is present in the area at depths as shallow as 3 ½ feet below the surface. However, it notes the elevation of the groundwater will fluctuate due to variations in the ground surface elevation, subsurface stratification, rainfall, tidal fluctuations, groundwater pumping and other field factors. Groundwater was an anticipated element our team had expected and accounted for. A groundwater dewatering subcontractor, Hydroquip, has been brought on the team to develop the dewatering plan and perform the groundwater pumping during construction. Hydroquip has done many projects in the beach neighborhoods and recently just completed Group Job 754 which replaced sewer in several of the adjacent alleys. Based our field investigation and record research we anticipate groundwater presence for all excavations below the elevation of

2.0 feet above mean sea level. A dewatering plan will be prepared in conjunction with the dewatering subcontractor. The dewatering wells are anticipated to be 50-75 feet apart and extend 20 feet below grade. The dewatering wells will discharge into adjacent sewers or storm drains as determined by MWWD and the California Regional Water Quality Control Board.

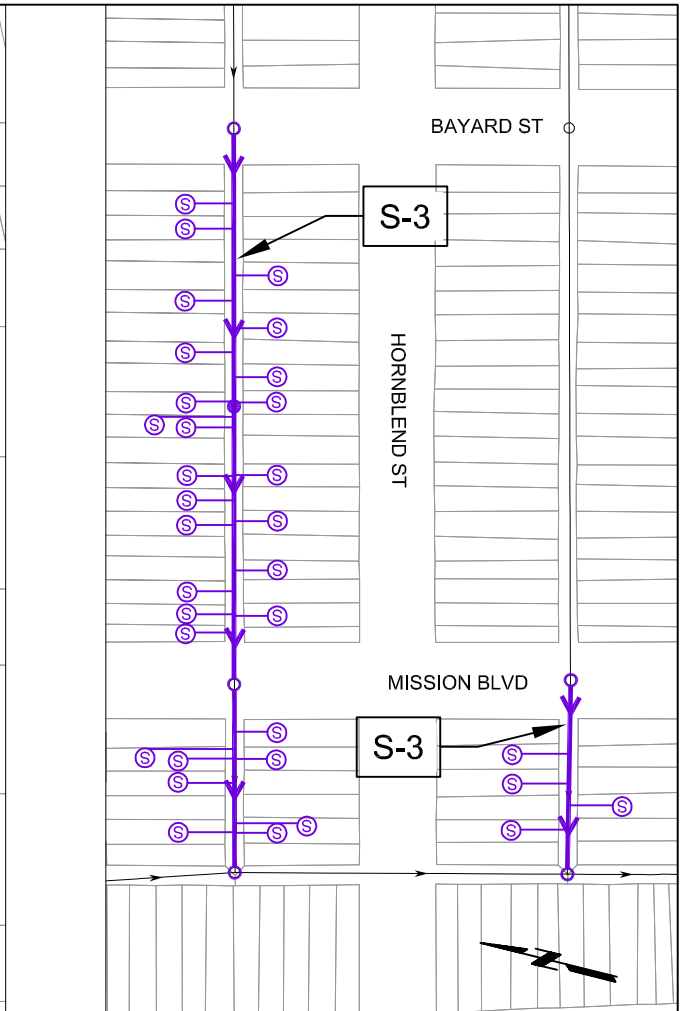
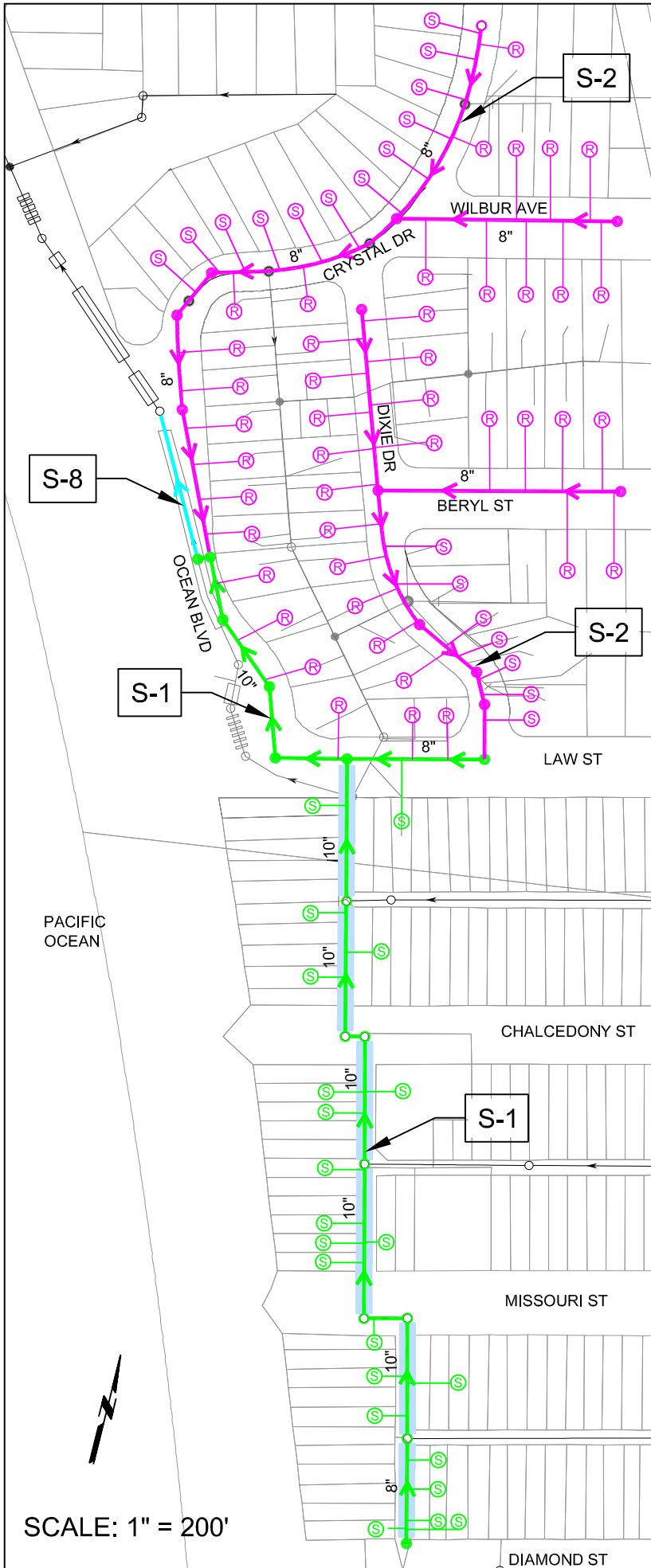
The subsurface investigation also concluded the excavations will encounter wet and loose sands which may be subject to pumping under loads and suggests the bottom of excavations been stabilized. We had anticipated this situation and will stabilize the excavations by placing additional crushed rock bedding along the trench bottom in areas requiring dewatering.

5.2.11: Proposed Design Schedule

A preliminary design schedule for Sewer and Water Group 814 is shown on Figure 5-5 at the end of this section. The preliminary schedule outlines the basic tasks necessary to complete the design and permitting for the project. The design schedule identifies key milestone submittal dates and the City's review time for each submittal. The team has included details for the tasks expected to define the critical path, construction plan approval, and engineered traffic control plan approval. Plans will be prepared at the 30%, 60%, and 100% Final milestones. City review times of four weeks for each submittal and two weeks for resolution of comments is incorporated into the schedule. The work plan shows that a traffic control approach will be produced after an alignment has been approved at the 30% submittal. Traffic control approval process is a critical path item. The traffic control plans will follow an independent review cycle to expedite the approval process. The final schedule will include additional detailed time lines for franchise utility contacts, stormwater management plans, highlining plan approval and other potential critical path items.

5.2.12: Quantities

- 1.) Additional Bedding - 67 CY
- 2.) Imported Backfill – 0 TON
- 3.) AC Patching for Slurry Seal – 0 TON
- 4.) Damaged AC Pavement Replacement – 0 SF
- 5.) Additional Curb & Gutter – 500 LF
- 6.) Additional Sidewalk Removal & Replacement – 2000 SF
- 7.) Additional Pavement Removal & Disposal – 0 CY
- 8.) Dewatering – 24,000,000 Gallons



SCALE: 1" = 200'

LEGEND





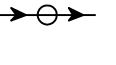
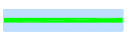





-  RECONNECT SEWER LATERAL
 -  REPLUMB SEWER LATERAL
 -  REPLACE MANHOLE
 -  NEW MANHOLE
 -  EXISTING SEWER
 -  PIPE BURSTING SEGMENT
 -  PHASE
- PHASE
-  S-1
 -  S-2
 -  S-3
 -  S-8

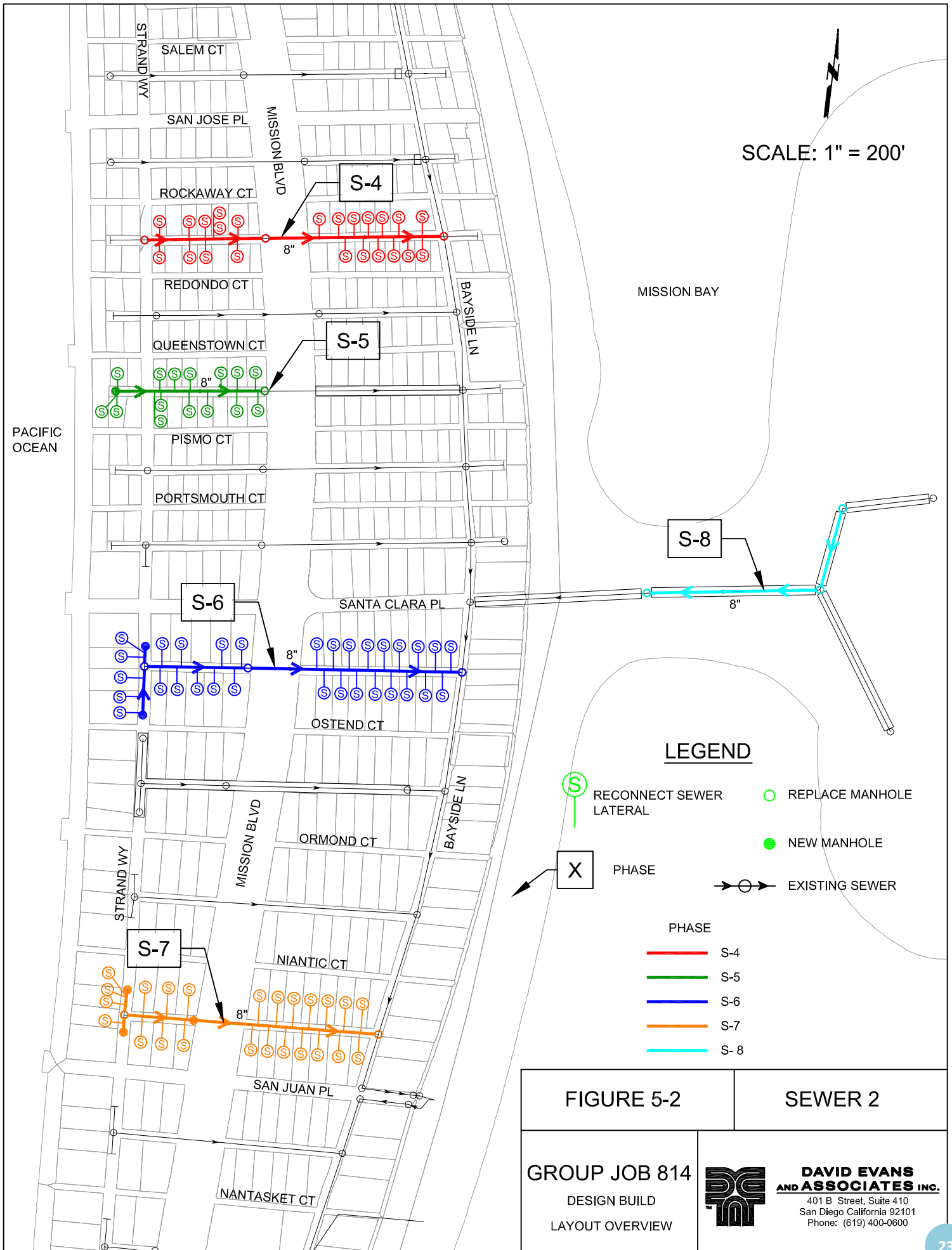
FIGURE 5-1

SEWER 1

GROUP JOB 814
 DESIGN BUILD
 LAYOUT OVERVIEW



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 San Diego California 92101
 Phone: (619) 400-0600



SCALE: 1" = 200'

LEGEND





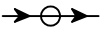





-  RECONNECT SEWER LATERAL
 -  REPLACE MANHOLE
 -  NEW MANHOLE
 -  PHASE
 -  EXISTING SEWER
- PHASE
-  S-4
 -  S-5
 -  S-6
 -  S-7
 -  S-8

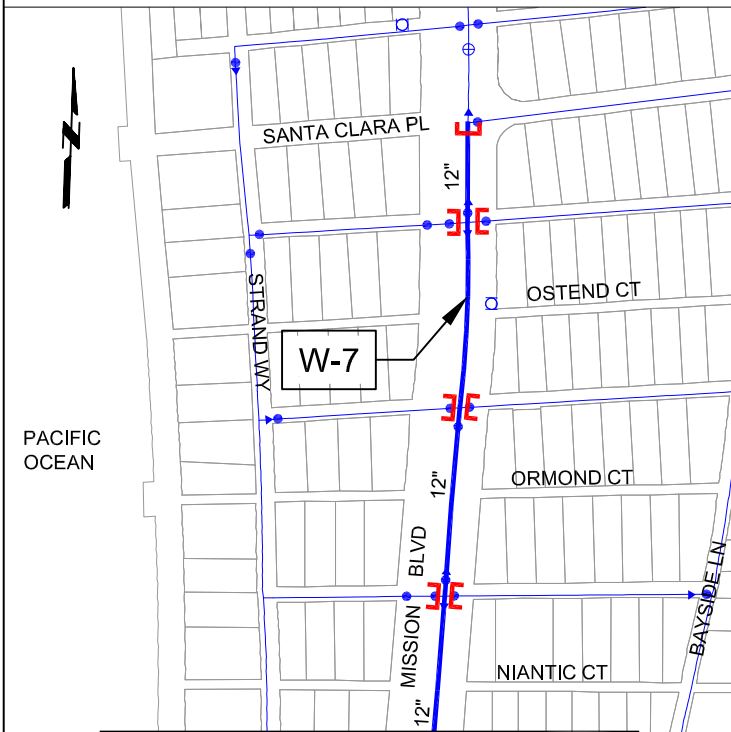
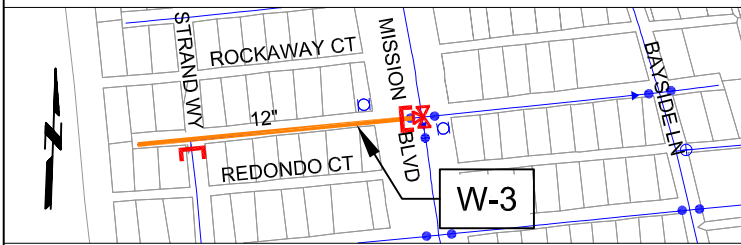
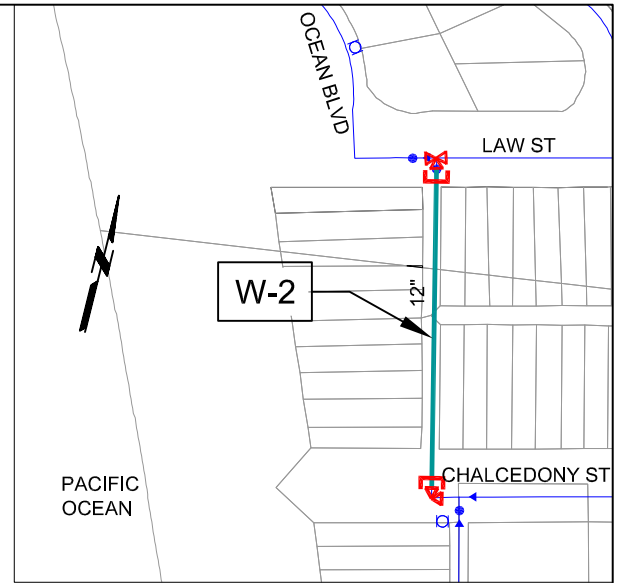
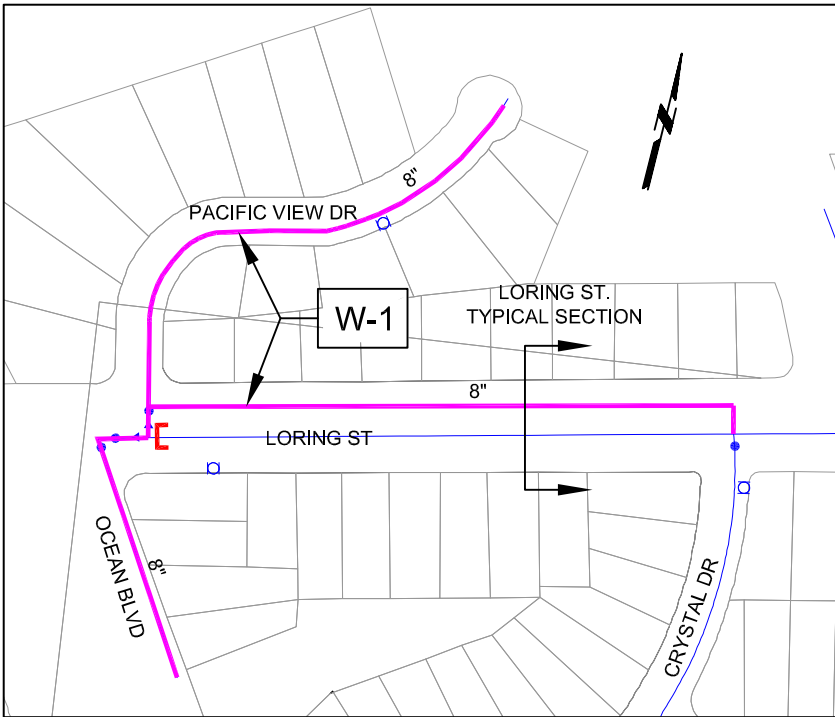
FIGURE 5-2

SEWER 2









GROUP JOB 814
 DESIGN BUILD
 LAYOUT OVERVIEW



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LEGEND

-  EXISTING WATER
 -  CUT AND PLUG
 -  PHASE
 -  CUT IN TEE
- PHASE
-  W-1
 -  W-2
 -  W-3
 -  W-7

SCALE: 1" = 200'

MATCH LINE A
SEE FIGURE 5-4

FIGURE 5-3

WATER 1

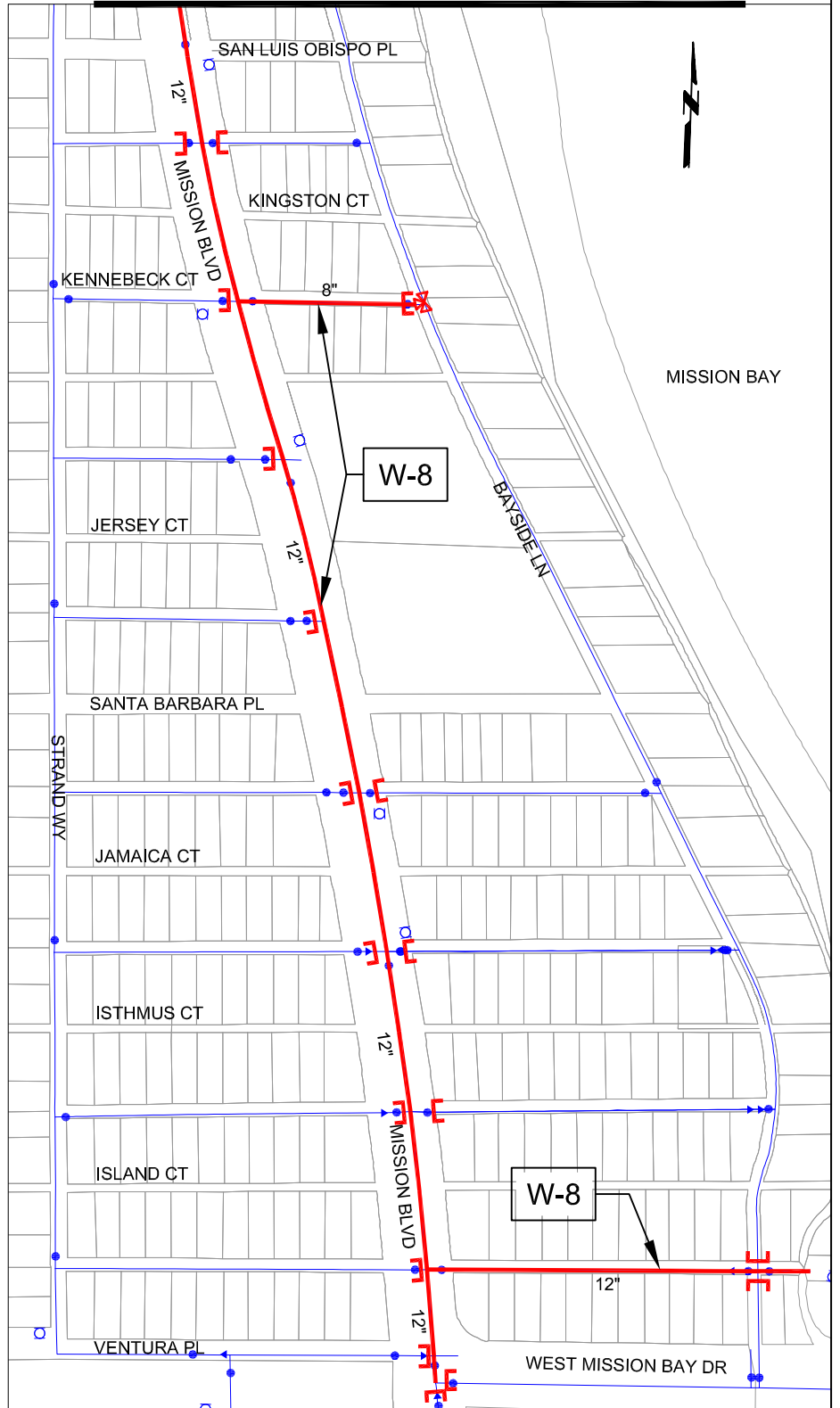
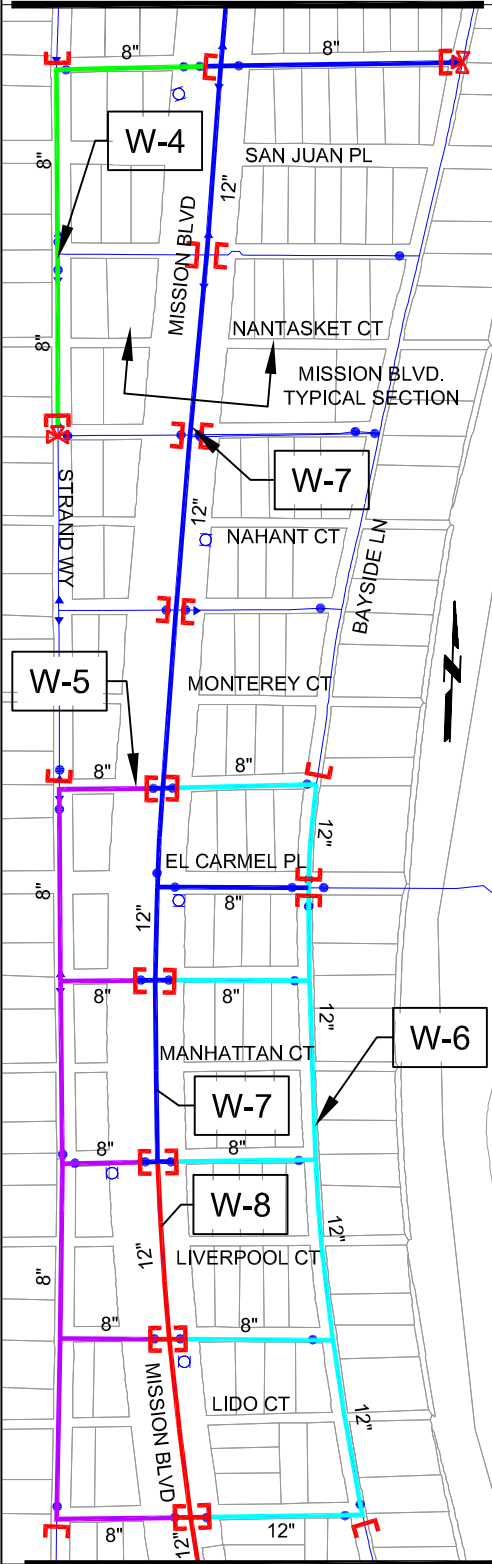
GROUP JOB 814
DESIGN BUILD
LAYOUT OVERVIEW



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SEE FIGURE 5-3
MATCH LINE A

SEE LOWER LEFT
MATCH LINE B



MATCH LINE B
SEE UPPER RIGHT

LEGEND

- PHASE
- W-4
 - W-5
 - W-6
 - W-7
 - W-8

SCALE: 1" = 200'

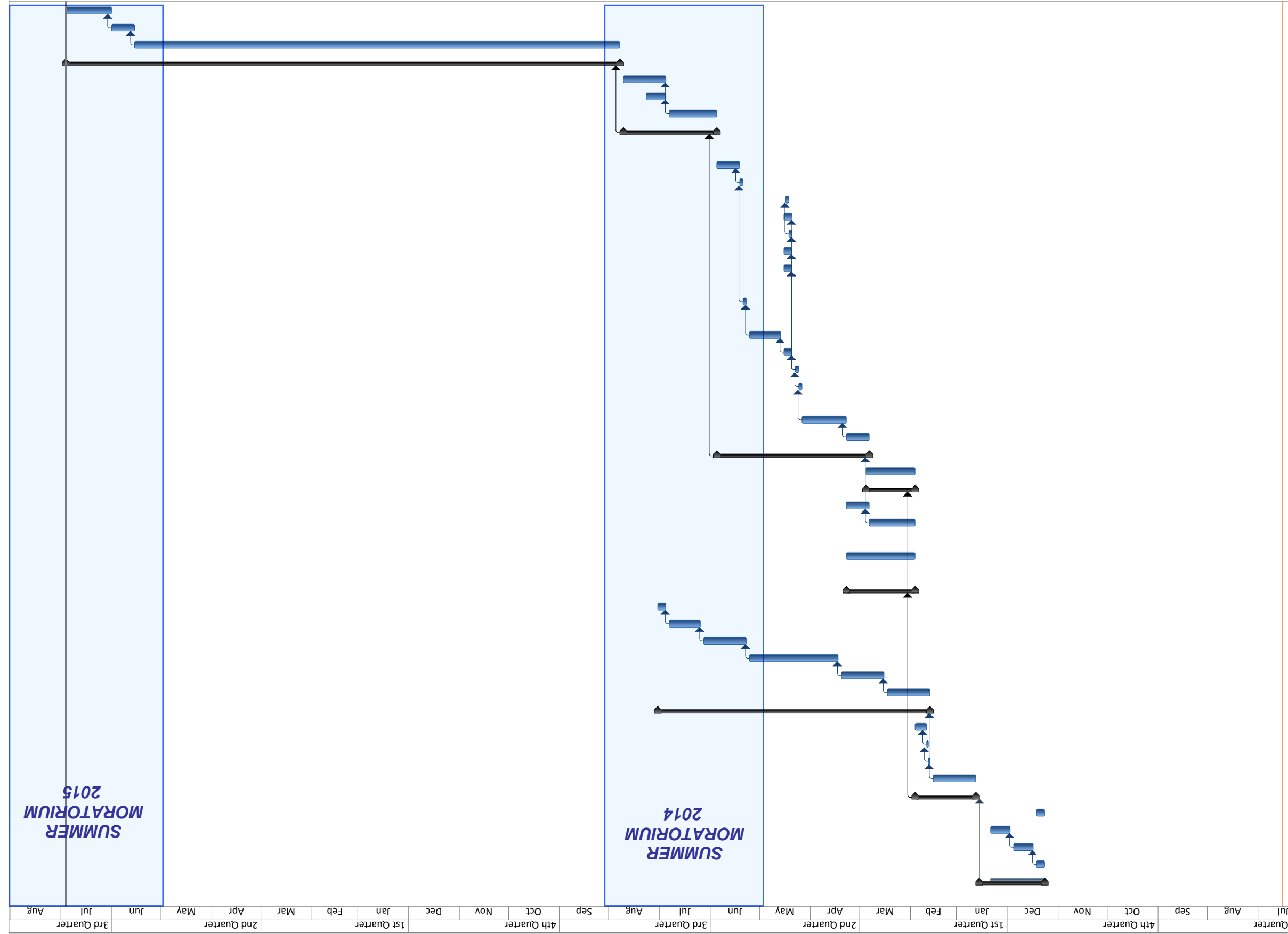
- EXISTING WATER
- ⌈ CUT AND PLUG
- ⌋ CUT IN TEE
- X PHASE

FIGURE 5-4
WATER 2

GROUP JOB 814
DESIGN BUILD
LAYOUT OVERVIEW



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ID	Task Name	Duration	Start
1			
2	Preliminary Research	30 days	Mon 12/9/13
3	Research	5 days	Mon 12/9/13
4	Supplemental Field Survey	10 days	Mon 12/16/13
5	Plot Existing Utilities	10 days	Mon 12/30/13
6	Check of hydraulic model	5 days	Mon 12/9/13
7	30% Plans - Water and Sewer	27 days	Mon 1/20/14
8	Preliminary Plans	20 days	Mon 1/20/14
9	Curb Ramps	1 day	Mon 2/17/14
10	Outline Special Provisions	1 day	Tue 2/18/14
11	QAQC review internal	5 days	Wed 2/19/14
12	Traffic Control Plans	120 days	Mon 2/17/14
13	30% Design Concept-Approach	20 days	Mon 2/17/14
14	City Traffic Plan Review	20 days	Mon 3/17/14
15	Revised Traffic Plans	40 days	Mon 4/14/14
16	City Traffic Review	20 days	Mon 6/9/14
17	Revised Plans	15 days	Mon 7/7/14
18	Traffic Approval	5 days	Mon 7/28/14
19	City Review - Water and Sewer	30 days	Wed 2/26/14
20	Submit to California Dept of Health	30 days	Wed 2/26/14
21	City Internal Review	20 days	Wed 2/26/14
22	Respond to City Comments	10 days	Wed 3/26/14
23	Pothole	22 days	Wed 2/26/14
24	Pothole existing utilities	22 days	Wed 2/26/14
25	60% Design	67 days	Wed 3/26/14
26	Revise alignment drawings	10 days	Wed 3/26/14
27	Plan and profile drawings including pothole data	19 days	Wed 4/9/14
28	Details	2 days	Tue 5/6/14
29	Internal VE review by ECGE	2 days	Thu 5/8/14
30	Phasing and Highlighting plan	5 days	Mon 5/12/14
31	Preliminary Review of Highlighting by Field Ops	15 days	Mon 5/19/14
32	Revised Phasing and Highlighting Plan	2 days	Mon 6/9/14
33	Revised curb ramps	5 days	Mon 5/12/14
34	Paving plans	5 days	Mon 5/12/14
35	Horizontal Control Calcs	2 days	Mon 5/12/14
36	WPCP	5 days	Mon 5/12/14
37	Quantity Take off by sheet	2 days	Wed 5/14/14
38	Specifications	2 days	Wed 6/11/14
39	QA QC review internal	10 days	Fri 6/13/14
40			
41	60% City Review	41 days	Fri 6/27/14
42	City Internal Review	21 days	Fri 6/27/14
43	Respond to City Comments	10 days	Mon 7/28/14
44	Approval to Begin Construction	20 days	Mon 7/28/14
45	100% Design	242 days	Mon 8/25/14
46	Show Design Changes	212 days	Mon 8/25/14
47	City review and approval	10 days	Wed 6/17/15
48	Final Mylars	20 days	Wed 7/1/15

Task Summary Project Summary External Tasks Milestone Split

Task Summary External Milestone Inactive Task Inactive Milestone

Manual Summary Inactive Summary Duration-only Start-only Progress Finish-only Deadline Manual Summary Rollup Manual Summary

Section 6

Construction Plan



6.1 Proposed Construction Plan

6.1.1: Construction Approach and Methods

Existing water and sewer mains will be replaced with this project. The existing cast iron (CI) and asbestos cement (AC) water mains will be replaced with 8-inch to 12-inch PVC C900 mains as shown in the Request for Proposal bridging documents. The water mains will generally be replaced in the same location as existing pipes with open cut trenching. The water improvements also include a new dual water line to be installed in Loring Street. The sewer improvements will consist of main replacements, rehabilitation, new sewer main installation, re-plumbing existing private services and the abandonment of some existing sewer. The sewer mains will be replaced in the same locations as existing with either open cut trenching or pipe bursting a few locations. The new sewer main improvements will be installed with open cut trenching. The existing house services will be replumbed to the new sewer mains using trenchless boring on private property to limit the impact to the homeowners and their property. There is also a section of existing sewer main which will be rehabilitated by installing a new Cured-in-Place Pipe Liner.



Portions of the proposed improvements fall within existing alleys and narrow streets. In these locations the required separation between the water and sewer cannot be achieved therefore upgraded pipe will be installed. The upgraded water pipe will be PVC C900 Class 305 and the upgraded sewer pipe will be PVC SDR 26.

Mains and pipe lines which will be installed using conventional open trench methods will include temporary asphalt “cold mix” paving over the trenches at the completion of each day. The permanent trench cap will be placed at the end of each work week to minimize the amount of cold mixed trenches, provide a better road surface, and reduce the potential for stormwater pollution.

Sewer Replumbs

ECGE has developed a proven technique to successfully install sewer replumbs and used this method to install over 30 replumbs on similar projects. Communication with the property owner is the most important aspect of any replumb work. Our Community Liaison will initially contact all of the property owners and individually invite them to community meetings where we will educate them on the necessity of the project, talk to them about our methods, and approach to minimize the disturbance to their properties. During these meetings and discussions with the homeowners we will be able to listen to their specific concerns and will be able to develop approaches and solutions to address them. We will also develop an understanding of their desired notification timeframes

and methods and will adjust our approaches to satisfy them. We've found that some homeowners required additional notice to move items out of the way. Prior to the start of work the ECGE foreman will meet with each property owner and discuss the approach and walk the property with them. He will have an 8"x11" plan sheet of their lot with the connection point and planned work within their property shown. Adjustments to the proposed alignment may occur during these site meetings. Once the property owner understands the plan and is in agreement, the work will begin within a few days.

All replumbs will be installed using trenchless boring technology. As discussed in Section 5.1 the existing sewers will be videoed and the exact location of laterals will be mapped in the field. Accurately locating the lateral connection point is crucial in minimizing the disturbance to the private hardscape and landscaping. The excavation at the connection point on the private property will be dug by hand. This receiving pit excavation will be limited to approximately 4'x8'. Plywood and tarps will be laid out on the private property to collect the spoils and limit the debris. In the street a boring pit of approximately 4'x14' will be dug for the boring machine. The machine bores a 2-inch diameter pilot hole into the receiving pit. The boring head is equipped with a locating device to track the horizontal and vertical progress and keep the boring on line and grade. Once the pilot hole is in place a reamer is used to enlarge the hole for the new pipe installation. Cleanouts will be installed at the property line, connection point, and at all bends.

Pipe Bursting

After reviewing the existing field conditions and record drawings it was determined that pipe bursting was the preferred method to replace several segments of the existing sewer main within the alleys. These segments were locations where the sewer is deep, close to existing structures, and near existing utilities. Pipe bursting was chosen to limit the impacts to the neighboring hotels, condominiums, and residents by limiting the excavation, the duration of work and disruption to existing service. During the design process the pipe will be videoed to determine if there are any sags in the pipe. Any sags will be excavated and repaired prior to the pipe bursting activities. Once all sags are repaired the process begins. The bursting head is inserted into the pipe and is advanced with an air powered hammer jacking it forward aided by a winch pulling it forward. The new pipe is attached to the bursting head and pulled in as the tool advances down the existing pipe. In a single day up to 400 feet can be installed so for this project each segment, manhole to manhole, will be completed in one day. The laterals will be located and dug up with open cut trenching prior to the pipe bursting process. The laterals will be reconnected to the new main the same day.

Sewer Rehabilitation

Existing sewers will be rehabilitated per Section 500 of the 2012 Whitebook. The existing sewer facilities will be video inspected prior to rehabilitation and re-videoed after the completion of the work to document the successful CIPP liner installation. Prior to the installation, a high velocity cleaning of the sewer mains including robotic root removal, if required, will take place. The pipe rehabilitation will include the installation of a Cured-in-Place Pipe Liner (CIPP). The CIPP liner will have a thickness of 4.5mm for the 8-inch sewer pipe and 6mm for the 10-inch sewer pipe. The sewer pipes to be rehabilitated for this project include no service laterals.

Sewer Abandonment

Existing sewers will be abandoned per Section 306-5 of the 2012 Whitebook. The sewer facilities shall be monitored for 48-hours prior to abandonment to verify no flow in the existing main or laterals. The sewer pipes will be filled with CLSM or sand with concrete plugs at each end.

6.1.2: Plan for Operation of Facility During Construction

Minimizing disruptions to the community's water and sewer services are critical elements of a successful project. The project's phasing plan and construction schedule (Section 6.3) are designed to minimize disruption of service and overall construction impacts. Notice will be given to all customers regarding the schedule for service shutdowns. Following summarizes several of the techniques planned to maintain service and mitigate disruptions.

Water Service

Water service will be maintained to all businesses and residents during construction by highlining per Section 600-1.2.2 of the 2012 Whitebook. The proposed highlining plan is further discussed in Section 6.1.7.

Based on the research and field review there are existing fire services on the project. A 20-day notification for temporary fire service shut down and associated fire watch requirements will be included in the community outreach program. This will be confirmed with further research during the design phase of the project and appropriate notices will be added to the work plan as necessary.

Sewer Service

Sewer service will be maintained during sewer replacement by plugging the manhole upstream of the work, bypass pumping sewage around the work to the downstream sewer in service. The existing sewer is videoed prior to any work to inventory and locate all existing lateral connections. This ensures no lateral is missed and every existing service connection is maintained and reconnected. Sewer bypass plans will be submitted for approval. If the sewer is to be bypassed with pumps there will be standby pumps to ensure a pump failure will not cause a sewer spill. A Sewage Spill Prevention & Response Plan will be submitted per Section 704-2 of the 2012 Whitebook.

The existing sewers will remain in service during new sewer main construction. The existing sewer laterals to be replumbed will be installed one at a time. The existing sewer laterals to be reconnected to the new sewer mains will be temporarily connected to the new main as work progresses along the main and new laterals will be installed once the main is in place.

Sewer service will be maintained during the pipe bursting activities by plugging the upstream manhole and bypass pumping. The section of main to be replaced with pipe bursting methods serves several large users including the multi-story hotel and condominiums. These services will require bypass systems as well. The existing laterals will be reconnected once the liner is in place. All laterals will be reconnected starting with the furthest downstream and working upstream. The bypass pumping will be removed after all downstream laterals are reconnected to the newly lined pipe and all service will be returned.

6.1.3: Plan for Phasing of Construction Activities

The construction phasing for Group Job 814 will be divided up into 8 sewer phases and 8 water phases. The construction phasing was developed with the primary goal to minimize impacts to the community and residents by maintaining water service where possible and limiting the extent of highlining. All highlining will be installed ahead of the mainline work in order to keep construction work progressing without delays to accomplish this goal. The construction phasing has also been developed to allow each area to be constructed independently.

Construction for all phases will follow the same sequence of activities. The first task for all phases will include notifying the residents and City Council of the proposed construction activities. Construction will begin with isolating the existing waterline connections with cuts and caps and installing required highlining. Then the mainline will be constructed. New water services and fire hydrants will be installed as the mainline is constructed. Once the underground improvements are completed the trenches will be paved. Then the new waterline will be pressure and bacteria tested. New curb ramps will be constructed concurrently with the water main construction. Upon acceptance of the main, the water services will be transferred to the new main and any highlining will be removed. After all phases of the waterline are constructed, the street surface improvements will begin. The street improvements will consist of edge grind and overlay new asphalt, replacing all traffic loops, and installing new pavement striping and markers.

We have divided the project into two major phases, North Phase and South Phase. From the water replacement on Pacific View Drive south to the sewer replacement in the alleys north and south of Hornblend Street is our North Phase. The water and sewer work from south of Rockaway Court south to Ventura Place is our South Phase.

Sewer pipe material to be used on this project will be PVC SDR 35 Sewer Pipe for the majority of the sewer installation. Some of the sewer has a cover of less than four feet and that pipe will be PVC SDR 26 with a thickened concrete cap per Engineered and Approved Drawings. The water mains will be PVC C-900 CL235 where we can maintain the necessary clearance from sewer and storm drains, and PVC C-900 CL305 where clearance of ten feet from the sewer and four feet from the storm drain cannot be maintained. All PVC pipe will be from manufacturers approved by the City of San Diego. Ductile Iron Fittings and Valves, Service Saddles, Corporations Stops and all other appurtenances will be selected from the City of San Diego's Approved Materials List.

Work will generally progress from north to south in each phase, with the sewer work being performed prior to the water where both are to be replaced in the same alley. Installation of new facilities will be accomplished with two main line pipe crews with smaller crews handling highlining, cut & plugs, lateral installation, paving, and connecting new facilities to existing. Our goal will be to use high-lining to keep existing services in operation. Keeping the construction operation moving and minimizing the time high-lines are up in any given location will play a role in minimizing the disturbance to the community. We have that two (2) fire services that may have to be shut down while high-lines are in place. Proper notification of property owners to comply with City standard practices will be critical to avoid unnecessary delays.

The sewer work from new Manhole NO.4 to existing Manhole No. 288, shown as Area S-1 in our schedule, is the first order of business for construction in the North Phase. The water main in the alley between Law Street and Chalcedony Street, Area W-2, will be completed after the sewer is completed so that the alley can be cleaned up and repaved to minimize construction impacts to the hotels and the condominiums along the alley. For the sewer replacement in the three alley segments between Law Street and Diamond Street, we are proposing to use Pipe Bursting in place of open trench to minimize the disturbance to the hotel and condominiums. The Pacific Terrace Hotel main entrance and Hotel Check in are adjacent to the alley and Pipe Bursting will cut the disturbance time down and keep necessary pavement removal to a minimum.

Construction will then move to the sewer work in Law Street, Dixie Drive, Ocean Boulevard, and Crystal Drive, Area S-2, on our schedule. The main line crew will install the new main and sewer laterals here and then move to the water on Loring Street, Ocean Boulevard, and Pacific View Drive, Area W-1 on our Schedule. The 44 laterals that require re-plumbing will take a considerable amount of time and will have a crew dedicated to this task for an estimated 3 months to work on re-plumbing the sewers. Special care will be taken to work with the residents, minimize impact and restore any disturbed area to the property owner's satisfaction. We anticipate the majority of the work will be done using trenchless technology to minimize impacts on private property.

Area S-3 on our schedule, the sewer in the alleys to the north and south of Hornblend Street will conclude the water and sewer work on the North Phase. Existing manhole numbers 307, 308, 312, 313 and 314 are in good condition and do not need replacement. We will connect to these existing manholes and re-channel the bases if needed. This will shorten the construction time resulting in less disruption of traffic in the Alleys and on Mission Blvd.

Curb ramp construction will follow the underground installations in all areas and the AC overlay will be completed after the completion of the curb ramps. We anticipate that the AC overlay on the North and South Phases will both be completed prior to the Summer Moratorium in May of 2015.

The work in the south phase will start with high-lining the water mains in alleys prior to the installation of the sewer mains where the sewer is significantly deeper than the water main with minimum clearance. This precaution will eliminate the possibility of a water main break while installing the sewer and prevent the delays that go along with those events

The sewer installation work in the south will start with the sewer in the alley south of Rockaway Court, Area S-4. This area will require dewatering wells as the invert elevation in Bayside Lane is below the water table. A Dewatering Plan will be submitted for approval, and a Discharge Permit will be attained from MWWDD or the California Regional Water Quality Control Board as required. Manhole number 203 in Bayside Lane is in good condition and does not need replacement; we will connect to this existing manhole. This will save time and inconvenience to the public by avoiding the large excavation at the intersection of the alleys that replacing the manhole would require.

The alley south of Queenstown Court, Area S-5, will be constructed by the Main Line Pipe Crew from the North Phase after they finish up Area S-3, giving us two main Line Crews to finish the work in the South Phase. Area S-5 will not require dewatering and we will be replacing manhole 46 and adding new manhole number 2. The sewer in this alley is not very deep so the existing water main will not require highlining prior to the sewer installation.

The crew from S-4 will move to the alley south of Santa Clara Place, Area S-6. This alley will require a dewatering system to be installed prior to excavation and will be part of the permitting described above. We will highline the existing water main in alley east of Mission Blvd. to avoid the possibility of damage to the existing water main. Manhole number 95 is in good condition so we will connect to the existing manhole at the alley intersection at Bayside Lane.

Construction crews will continue to the south moving to the alley south of Niantic Court, Area S-7. This alley will also require a dewatering system be set up prior to excavation in the alley near Bayside Lane. The existing water main will be highlined in the alley east of Mission Blvd. We will also connect to the exiting manhole number 101

in Bayside Lane. Connecting to the manholes in Bayside Lane will minimize disruption of the alley intersections on these heavily used alleys. This will end sewer main installation for the South Mainline Pipe Crew and allow them to move onto the water main installation. The water facilities replacement in the southern most portion of the project is the heaviest concentration of work on the project, with a seven block segment on Mission Boulevard receiving new facilities in every alley and in both Bayside Lane and Strand Way. Proper scheduling and our commitment to make crews available as needed will be essential to completing this section of the project with as little impact to the community as possible. The water along this portion of Mission Beach is currently transported north and south through three water mains located in Mission Boulevard, Bayside Lane and Strand Way. Water is also fed to the area from a main in West Mission Bay Drive. Our highlining plan will insure that at least two feeds will be maintained at all times to all of the surrounding area. The 6-inch water line running east on El Carmel Place serves both the San Diego Rowing Club and the Mission Bay Yacht Club. The water improvement phasing for this area has been developed to keep this connection in service during the construction.

The water main construction in the South Phase will begin with installation of high-lines and cut & plugs in each area as we move generally from north to south on Mission Boulevard and the adjacent alleys. Each area will be high-lined only during the construction period with the next phase going up a short time prior to construction. Minimizing the duration highlines are in place is always an important factor for the community. We will have a separate crew handling the high-line set up, connections, cut & plugs, and reconnections, to keep the main line installation crew moving. Cut & Plugs and reconnects to existing pipe on cross streets or alleys that are not part of the scope of work will be 10' away from the existing main. The areas impacted by construction will be AC overlaid. The water facilities work will begin with area W-3, in the alley south of Rockaway Court and move to the remaining water phases in numerical order. We intend to break the section along Mission Boulevard from Santa Clara Place to Ventura Place into 5 high-line phases. These phases will be completed in numerical order Area W-4 to Area W-8. A portion of the existing water main alignment is under the median curb on Mission Boulevard near Ventura Place. We are proposing to move this alignment out from under the curb and have included the necessary Archeological and Native American monitoring to comply with the MND.

As stated earlier, our plan is to complete all of the major construction for this project during one nine month work window from September 2014 to May 2015. This will require a good schedule that can be easily handled using Primavera Project Management. Tracking of correspondence and RFI's will be an important process; Sage Timberline Office Management handles that task. The software is only as good as the people using it, and all of the key personnel that will be assigned for design and construction management on this project have over Thirty Years of experience completing projects exactly like this one.

6.1.4: General Plan for Functional Testing and Start-up

ECGE will coordinate with the City to schedule laboratory testing. Hydrostatic testing will be per Standard Specifications for Public Works Construction. Bacteria testing will be provided by the City. ECGE will chlorinate and flush pipelines per AWWA standards.

6.1.5: Proposed Safety Program

ECGE has an outstanding safety record and has written a Health and Safety Plan (HSP) that all employees are required to read and follow. For all projects, ECGE uses this HSP as a starting point. Once they analyze the specific elements of each project, they develop project specific health and safety requirements. For this project, Mike

Tucker will head the construction safety program and be responsible for its implementation at the site. Mike will organize periodic safety training and conduct job site tailgate meetings every 10 days. Meetings will include ECGE staff as well as subcontractors. If special circumstances arise during a project that requires special safety procedures, a special meeting is promptly held to address any and all safety concerns. The safety of workers and the public served is always a top priority.

6.1.6: Proposed Emergency Response Plan

Medical emergencies will be handled in accordance with the Emergency Medical Plan. The Medical Emergency Plan provides documentation regarding emergency services including the closest hospital, fire and police services. Job site failures will be addressed immediately. In the case of a broken water line, the job site supervisors will call the Water Utilities Emergency number and inform them of the break so that repairs can be made. Action will also be taken to protect property from any water damage. Any emergency related to a broken gas line, or downed power lines requires a call to 911 and SDG&E. Job site supervisors are all trained to deal with these types of emergencies and will have a phone list with all necessary phone numbers. Key personnel phone numbers for 24-hour access will be provided to the City in case of an after-hours emergency.

In case of a sewage spill ECGE will call the Sewage Spill Hotline number and the list of City representatives provided to us at the pre-construction meeting. Emergency numbers for ECGE's primary and secondary contacts will be provided to the City. These people will be available at all times to respond immediately to any sewer spill event. We will take immediate action to contain the spill and protect downstream inlets to storm drains or water bodies. Emergency pumping and cleanup equipment and supplies will be available 24 hours a day 7 days a week while the work is in progress. A full sewage spill and response plan per section 704-2 of the WhiteBook will be submitted for approval.

6.1.7: Water Highlining Plan for Each Site

It is the teams' understanding of the Contract Documents that the contractor is responsible for all highlining work, connection to meters, and reconnecting water and fire services to the new mains. Highline materials provided by the contractor for this project will remain the property of the contractor per section 700-1.2.2.8,c. The preliminary plan for phasing and highlining is described in Section 6.1.3 Plan for Phasing of Construction Activities, and shown on Figures 5-1 and 5-2.

6.1.8: Phasing of Design and Construction Work of Each Site Separately

The design will be completed in a single phase ready for construction of all phases at the end of the 2014 Summer Moratorium. The construction work been divided up into 16 phases; 8 sewer phases and 8 water phases. The phasing plan is illustrated on Figures 5-1 through 5-4 and further discussed in Section 6.1.2.

6.1.9: Proposed Construction Schedule

Construction of the proposed improvements will be completed in 181 working days. Construction will begin after the 2014 Summer Moratorium and all improvements will be constructed prior to the beginning of the 2015 Summer Moratorium. The construction schedule is further discussed in Section 6.3 and a detailed construction schedule is shown on Figure 6-1 at the end of this section.

6.1.10: Traffic Control Management

Traffic control plans and local access management plans will be developed and implemented to minimize environmental and traffic impacts, including noise impacts to residents, businesses, and institutions. Traffic control will maintain an appropriate level of access and site security at all times throughout the project area to avoid significant impacts to the public.

6.1.11: Community Impact

The pipelines proposed under this project traverse a fully developed urban environment with single and multi-family dwellings and commercial businesses. Each of these affected areas must be given careful consideration of site specific uses and needs during the design and throughout construction. The design-build schedule for the project is aggressive, which make efforts to reach out to the community even more important.

The team will provide a proactive community outreach program that will include community group meetings, a series of newsletters and site visits. Mr. Salazar of Vic Salazar Communications will serve as the team's Community Liaison. Mr. Salazar will work closely with his City's Public Information Officer to ensure the community is well aware of the impacts associated with this project. He will work with the team members to identify community concerns and incorporate community input into the approach for minimizing impacts where possible. The team also recognizes that many departments within the City will be closely watching this project. The outreach team will provide project updates as required to all interested parties and briefings to the Council representatives.

Vic Salazar Communications specializes in developing community outreach programs for water and sewer projects. Mr. Salazar is fluent in Spanish and will be able to address community meetings in either English or Spanish to suit the specific needs of the community.

The team's primary goal is to minimize community impacts by moving swiftly through the project. The team will provide safe work zones 24 hours a day, seven days a week and provide backfilled trenches or steel trench plates during non-work hours. ECGE will strive to maintain a "clean" construction zone and not be an "eye-sore" to the community.

The Community Outreach is further discussed in Section 7.0.

6.2: Project Coordination

6.2.1: Processes and Procedures Coordination

The team will expand the attached schedule to include all aspects of design, review, permitting, public outreach, construction, environmental monitoring and close out. The schedule will include the individuals responsible for each task as well as the critical path for completion. The Construction Manager, Tom Brown, will use the detailed schedule to provide coordination of the various team members. He will review the schedule and assignments on a weekly basis and make sure that the items of work are scheduled and coordinated or make adjustments when changes are necessary to meet project conditions.

The team will have regular internal coordination meetings in addition to the City coordination meetings defined in the scope of work. Meeting agendas are prepared and circulated to attendees in advance of the meetings. Special

meetings will be scheduled as necessary to address critical issues or to meet with local agencies. Meeting minutes will be compiled and circulated for review within five (5) working days.

Meeting minutes include attendees, contact information, an ongoing log of questions, assignments and responses throughout the design, construction and close out process. The log will include the question, the individual and associated organization that asked the question, date, assigned individual/associated organization assigned to respond, estimated date of response, the response, and actual date of response.

All project team meetings will be controlled by the Construction Manager, Tom Brown to ensure coordination of all efforts and completion of documentation.

6.2.2: Design and Construction Coordination with Stakeholders

The team will confirm the permitting requirements outlined in the preliminary design report and identify any additional City Departments, outside agencies, or community groups that may have an interest in the project. Critical Path entities will likely include:

- City– Water System Operations Division
- City– Traffic Engineering Department
- City– Field Engineering Division
- City– Traffic Safety
- State Department of Health
- San Diego Gas & Electric
- AT&T Telephone
- Cox Communications
- USA Dig Alert

Permitting/approval requirements for each group will be incorporated into the Critical Path Method (CPM) Schedule including preliminary meetings, formal submittals, estimated review times, final approval milestones and any associated appeal periods. The CPM schedule will include the Public Outreach Program and timeline constraints such as meeting schedules of the various community groups. The following provides a description of proposed permits.

California State Health Department: Changes to Health Department regulations in 2012 require State Health Department Approval for any location where a water main does not maintain a minimum of 10 feet of horizontal clearance or a minimum of 1 foot vertical lateral clearance between the outside walls of any sewer main. Locations where minimum separation cannot be achieved based on existing conditions, upgraded pipe will be required. The upgraded water pipe will be PVC C900 CL 305 instead of the CL 235. The upgraded sewer pipe will be PVC SDR26 rather than PVC SDR35. Based on the State Health Department guidelines and the team’s experience on similar projects, approval process generally takes about two months and will likely be needed for work in the alleys and on Pacific View Drive.

City of San Diego Traffic Safety Department Approvals: Relocation of existing pedestrian crosswalks and modifications to pedestrian push buttons require approval by the Traffic Safety Department. Several of the curb ramps within the project area may require relocation or addition of pedestrian push buttons and relocation of cross walk striping. Relocation and addition of pedestrian push buttons may also be required. This work will be accomplished by note and in accordance with the project specifications.

City of San Diego Real Property Department: Construction of new private facilities on private property will require a right of entry permit or temporary construction easement. Construction of re-plumbing for properties will require permission from the property owners. The communications team will prepare exhibits generally showing the extent of new private improvements to be constructed on private property and coordinate with the property owners.

Mitigation and Monitoring: The amended Mitigated Negative Declaration (MND) #255100 for this project dated 3-28-13 has identified a need for archaeological and paleontological monitoring for the new trenches greater than 5 feet in depth and paleontological monitoring is required for trenches greater than 10 feet. The team's Archaeological and paleontological team partner, Brian F Smith and Associates, will provide the pre-construction and post- construction monitoring and reporting as defined in the MND.

6.2.3: Drawings and Specifications Design Coordination

The project design will be led by DEA and all design services including water main, sewer main, surface improvements and traffic control. DEA's internal QA/QC review will provide coordination between plans and specifications and will provide an independent review by a staff member not assigned to the design project. Design submittals will include documentation of the QA/QC review and resolution log outstanding issues signed by the QA Manager. The QA/QC Manager, Randy Young will provide a detailed review of the project specifications for conformance with current construction practices for each milestone submittal. In addition, Randy and his staff will provide the overall review of the design and regular value engineering reviews as a second tier of coordination review throughout the design phase of this project.

6.2.4: Questions and Responses Tracking System

The team has developed an efficient system for logging and tracking questions and responses that has been a proven benefit to previous similar projects. A brief description of the system includes meeting minutes with attendees, contact information, an ongoing log of questions, assignments and responses throughout the design, construction and close out process. The log will include the question, the individual and associated organization that asked the question, date, individual/associated organization assigned to respond, estimated date of response, the response, and actual date and resolution. Response logs are reviewed weekly by the Construction Manager, Tom Brown. Items are incorporated in to the schedule and missing items are flagged for follow up via phone, email or meeting as appropriate.

6.2.5: Subcontractors and Equipment Manufacturers Coordination

System for coordinating work among subcontractors and equipment sub contractors, and long lead time materials, will be tracked on the CPM schedule to insure prompt response from subcontractors and on time delivery of materials.

6.3: Critical Path Schedule

The RFP defines a contract time of **330 Working Days** from NTP. This contract time includes two, 3 month Summer Moratoriums, during which no construction activities can take place. We have developed a project schedule to complete all work in **244 working days; 86 work days ahead of contract**. We were able to shorten the overall project schedule by utilizing two crews for the main line installation and additional support crews as needed to construct the work. Additionally, designing the entire project in one complete package provides flexibility in the construction activities and ultimately reduces the anticipated amount of unforeseen construction delays incorporated into the schedule.

The project will be tracked with Primavera Project Management and Scheduling software as requested in the RFP. This scheduling is done in house so if any changes to the schedule are requested they can be handled without involving a third party scheduling firm. We have used December 9th as our starting point for the Notice to Proceed (NTP). Project Design will be handled by DEA's San Diego office staff with 30%, 60%, 100% and Final Design milestones. We expect the entire project design to be beyond the 60% level and ready for construction after the first summer moratorium in September 2014. Major construction on the project will begin immediately after Labor Day 2014 and scheduled for completion prior to the Summer Moratorium in May of 2015. This approach will shorten the duration of major construction work to a single 9 month period. Only minor punch list items, if any, should be left for September 2015.

The schedule included with this proposal shows a breakdown of the various tasks necessary to complete the work of the water main in Area W-1. These tasks are typical to complete a phase of water main replacement. The remaining tasks are a summary of each area to show the flow of construction work throughout the life of the project, as well as project milestones necessary for successfully completing a project on time.

Preliminary research of the project area will be completed prior to the NTP to identify any areas that may have conflicting utilities or pipe segments that may need to be changed. For example it appears the existing main in Mission Boulevard near Ventura Place is located under a recently installed median. We will look at the possibility of moving that short section into the travel lanes.

Utility mark out and potholing will be completed in the first 60 Work Days, to identify any utility conflicts in order to determine the need to either avoid them or to have the various utility companies relocate them. Unknown utilities are notorious for causing construction delays so we want to find out what is there as early in the process as possible. This is also another reason for our approach of having the entire project ready for construction prior to beginning work. If a utility not shown on any asbuilts or not marked by the various utilities creates an issue in one area we will have other areas available to move the construction operation to and keep pace with the schedule.

The Critical Path Schedule at the end of this section outlines construction activities for the various phases of the project. The construction and design schedule are integrated to provide the necessary permits consistent with construction start dates. The milestone completion dates outline the plan for completing the construction activities within the City's schedule. The Construction Manager, Tom Brown, will review the schedule on a weekly basis. Changes in the critical path will be reviewed with the ECGE-DEA team and alternative methods will be explored to maintain milestone target date completion. Close coordination with the Public Utilities Department will be necessary to insure that the highline connections and shut downs of the existing system are completed in accordance with the schedule.

6.4: Challenges/Issues

Water and sewer main replacement projects are constructed in existing streets in front of homes and businesses. Construction impacts access and traffic, and is considered a general community nuisance. The best way to limit impacts to the community is to get in and out of an area as quickly as possible. Careful scheduling of all activities from highlining to service transfers is critical. All of these tasks are under the contractor's scope of work. Staff members are certified to complete tie-ins to City mains and to complete the highlining. Staff can be added to meet schedule activity, if needed.

Fire hydrants will be added to improve coverage and meet current standards. New fire hydrants will be located to minimize impacts to access or parking; however, in some areas this may be unavoidable. After selecting the least impacted location, we will provide written notification to the property owner that the fire hydrant will be installed. If the property owner objects, the communications team will meet in the field and attempt to identify and alternate location. The process was successful on WGJ 3012 installing over 10 new fire hydrants.

Two (2) fire services will be impacted during construction. A 20-day notice to property owners are required prior to shut down. The property owner is required to provide fire watch services during shut down. Advance notice of these shut downs ahead of legal requirement has proven very helpful to community relations.

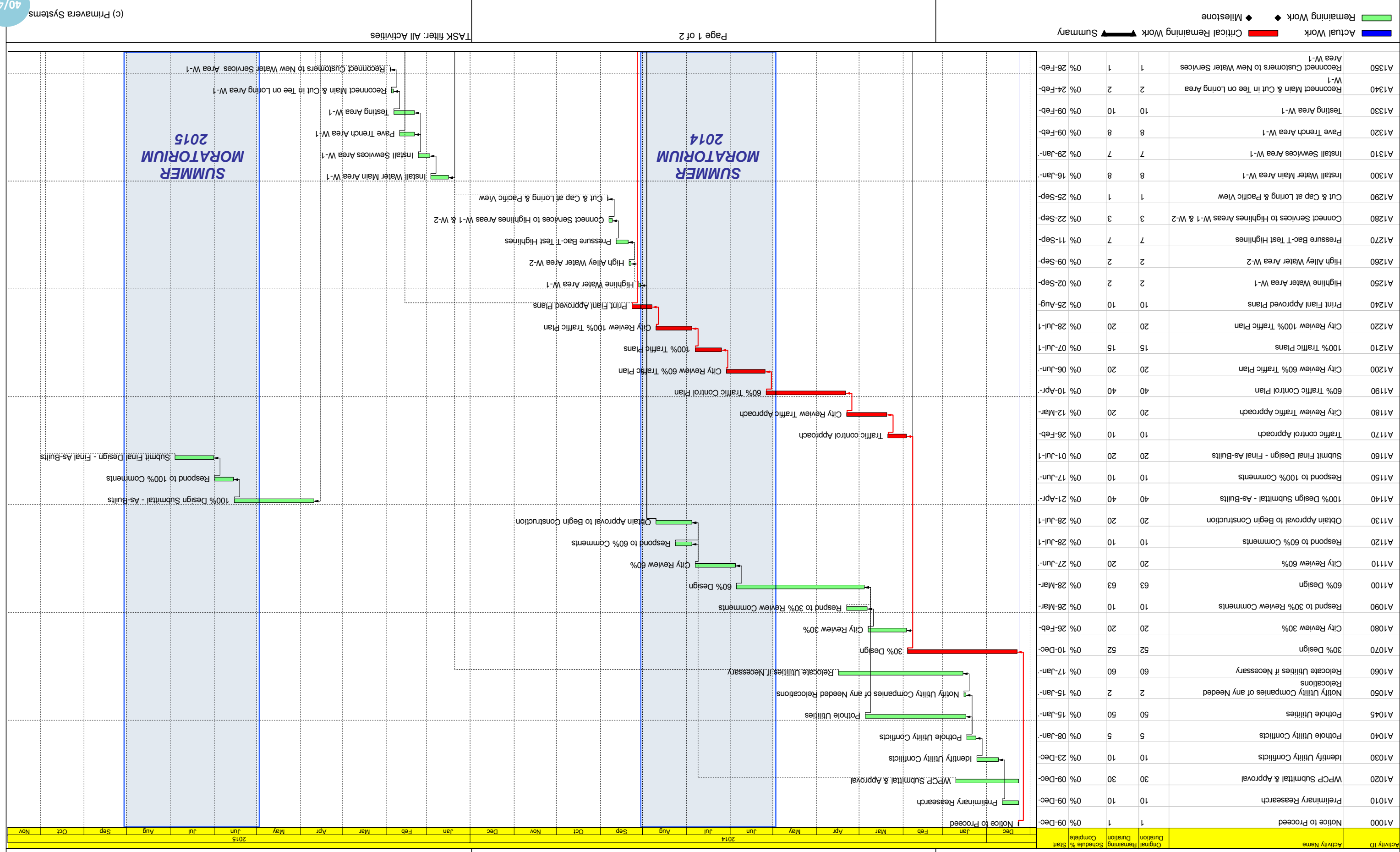
6.5: Cost Saving Measures

Cost Saving Measure No. 1

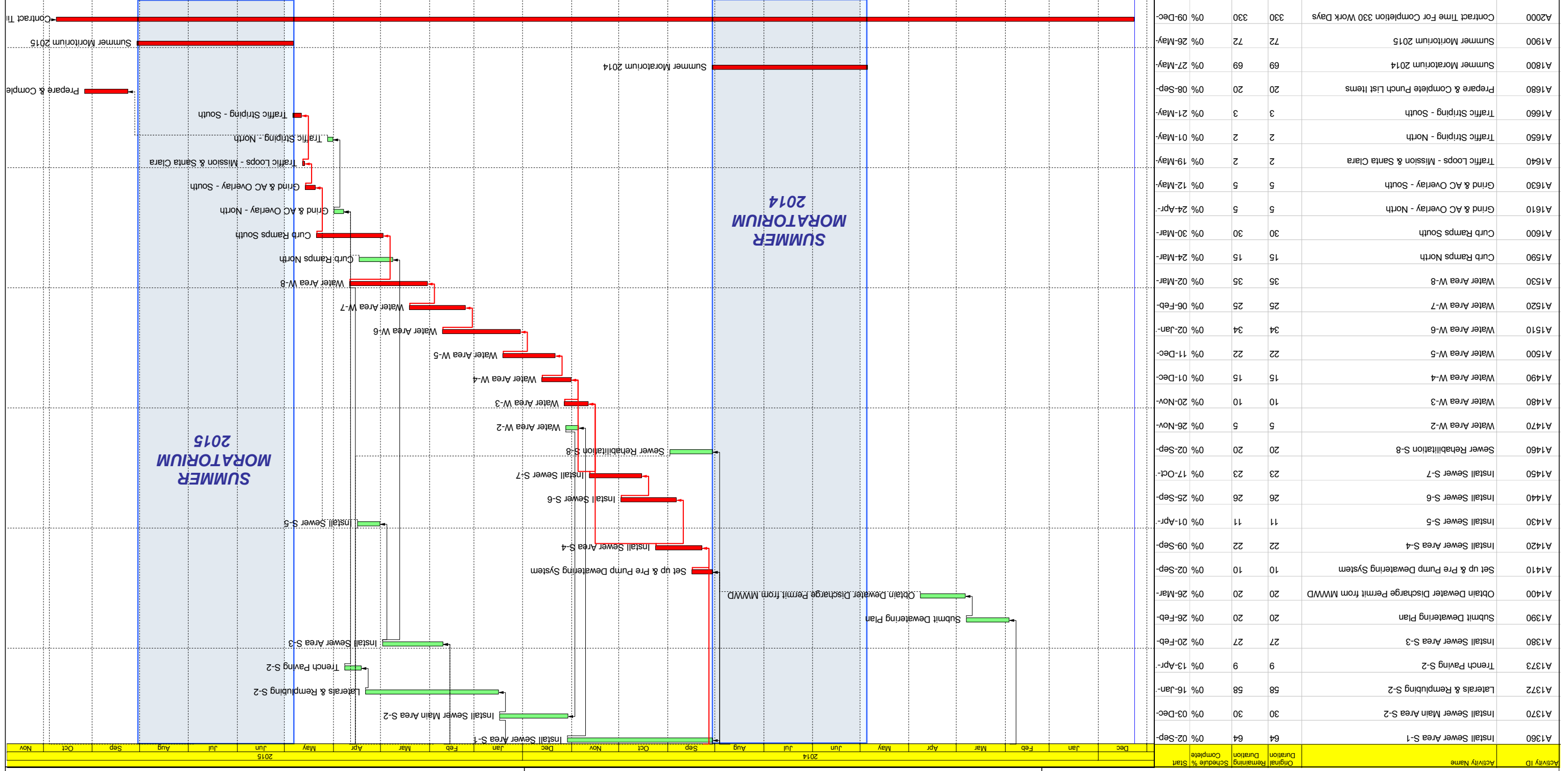
Our team has reviewed the scope of work included for this task order and believes there is an opportunity to save costs by reducing the amount of pavement overlay where the existing road surfaces are in fair to good condition. The condition of the existing pavement in a few locations is poor and will require the complete grind and overlay as specified. However, the majority of the existing asphalt streets are in a condition and slurry seal would provide sufficient pavement restoration. This cost saving measure would save approximately two (2) percent of the overall bid price.

Cost Saving Measure No. 2

Another cost saving measure would increase the amount of sewer to be rehabilitated and reduce the number the replumbs required. There are 25 lots located between Dixie Drive and Ocean Boulevard which are currently served by an existing sewer running along the back of the properties. The project calls to abandon this existing sewer and replumb all of the lots to the new sewer mains installed in the street. This cost savings measure would rehabilitate the existing sewer main and eliminate 25 replumbs. This would save approximately three (3) percent of the overall bid price.



Actual Work (Blue bar)
 Critical Remaining Work (Red bar)
 Remaining Work (Green bar)
 Milestone (Diamond symbol)
 Summary (Arrow symbol)



Activity ID	Activity Name	Original Duration	Remaining Duration	Schedule % Start
A1360	Install Sewer Area S-1	64	64	0%
A1370	Install Sewer Main Area S-2	30	30	0%
A1372	Laterals & Remping S-2	58	58	0%
A1373	Trench Paving S-2	9	9	0%
A1380	Install Sewer Area S-3	27	27	0%
A1390	Submit Dewatering Plan	20	20	0%
A1400	Obtain Dewater Discharge Permit from MMWD	20	20	0%
A1410	Set up & Pre Pump Dewatering System	10	10	0%
A1420	Install Sewer Area S-4	22	22	0%
A1430	Install Sewer S-5	11	11	0%
A1440	Install Sewer S-6	26	26	0%
A1450	Install Sewer S-7	23	23	0%
A1460	Sewer Rehabilitation S-8	20	20	0%
A1470	Water Area W-2	5	5	0%
A1480	Water Area W-3	10	10	0%
A1490	Water Area W-4	15	15	0%
A1500	Water Area W-5	22	22	0%
A1510	Water Area W-6	34	34	0%
A1520	Water Area W-7	25	25	0%
A1530	Water Area W-8	35	35	0%
A1590	Curb Ramps North	15	15	0%
A1600	Curb Ramps South	30	30	0%
A1610	Grnd & AC Overlay - North	5	5	0%
A1630	Grnd & AC Overlay - South	5	5	0%
A1640	Traffic Loops - Mission & Santa Clara	2	2	0%
A1650	Traffic Striping - North	2	2	0%
A1660	Traffic Striping - South	3	3	0%
A1680	Prepare & Complete Punch List Items	20	20	0%
A1800	Summer Moratorium 2014	69	69	0%
A1900	Summer Moratorium 2015	72	72	0%
A2000	Contract Time For Completion 330 Work Days	330	330	0%

Classic Schedule Layout



Section 7

Community Outreach Plan

7.0: Community Outreach Plan

The team, including Vic Salazar Communications, will follow the City's WHITEBOOK requirements for "Community Relations and Public Outreach". The team will seek feedback through community meetings during the design phase to identify major community issues.

7.1: Community Outreach and Public Relations Program

Vic Salazar Communications is designated by the Design/Builder team to serve as the Community Liaison for this project. Vic Salazar Communications is currently working closely with the City of San Diego's Capital Improvements Public Information Officers in the implementation of public information and outreach programs for several projects including: MACC Task #1 (WG 949 & Water and Sewer Group 946), Water Group 3012, Water Group 924, Water Group 925, Alvarado Trunk Sewer Phase IIIA, Balboa Terrace Trunk Sewer, and Upas St. Pipeline. Vic Salazar Communications will also provide Community Outreach for these upcoming City of San Diego projects: La Jolla View Reservoir, Miramar Clearwell Replacement, and Mid-City Pipeline.

For this project, the WHITEBOOK requirements for Community Relations and Public Outreach will be followed in conjunction with the updated Public Information and Community Relations/Public Outreach Standards that have been introduced by the new Mayoral administration. Vic and his staff are currently working with the City's Capital Improvement Public Information Officers (PIO's) and are familiar with the new outreach standards for similar CIP improvement projects located throughout the City.

This project will require a specific Community Relations approach that is more labor intensive than typical group jobs in other parts of the City. The project is located in high-density developed areas of the beach communities with a large the number of residents and business that will need to be notified and kept informed. The project area covers approximately 83 acres through Pacific Beach and Mission Beach. Mission Beach is the most densely developed residential community in San Diego with a land use designation over the majority of its area of 36 dwelling units per acre. We have generated a count of almost 4,000 residents, businesses and property owners within 300 feet of the project.

One of the City's new outreach requirements is a Letter to the Community during the design phase that describes the project scope, schedule, budget, benefits, and a summary of the anticipated impacts. We will also send the required second Letter to the Community at least 30 days prior to construction. The City's standard is to send these notification letters to all stakeholders within 300-feet of the project area. There are 3,000 addresses within the 300-foot zone that will require door hangers announcing the work, water shutoffs and post trenching work. Door hanger notifications will be distributed at least one week before starting work. When working on private property, we will contact each owner individually a minimum of 15 days prior to the work.

In order to be cost-effective for this project, the City's Public Information Office has assured Vic Salazar Communications that it will cover the cost of printing the two Letters to the Community, but the costs associated with addressing the letters, stuffing envelopes and postage will be the responsibility of the Community Liaison. In addition, the Community Liaison will be responsible for the cost of printing and distributing the door hanger notifications which will number in the thousands for the construction work, water shutoffs and post trenching.



All Letters to the Community, door hangers and other notices will be provided to the City's public information officers for distribution to the Mayor, appropriate Council office and for email distribution to community groups and project stakeholders.

Every notification to stakeholders, be it by letter, email or door hangers will include the Capital Improvement's preferred contact information for project information: website - www.sandiego.gov/cip, email - engineering@sandiego.gov and phone - (619) 533-4207. The project web page will be developed by the Community Liaison in conjunction with the City's PIO and will be updated depending on the sensitivity of the construction project.

When the Notice to Proceed is issued, Vic Salazar Communications will work with the design and construction team members to cooperatively integrate the needs of the community into the design of the project. We have identified six community groups to meet with during the design phase. We will also meet with these groups during the construction phase:

- Pacific Beach Town Council - meets 3rd Wed. of the month at 6:30 p.m. at Pacific Beach Women's Club 1271 Hornblend. Contact is Alan Harris.
- Pacific Beach Community Planning Committee - meets 4th Wed. of the month at 6:30 p.m. at Earl and Birdie Taylor Library, 4275 Cass St. Contact is Brian Curry, Chair.
- Discover Pacific Beach - meets 1st Tues. of the month at noon at 1503 Garnet Ave. Sara Berns is the executive director.
- Pacific Beach Hospitality Task Force - meets 3rd Wed. of the month at 1 p.m. at 1503 Garnet Ave. Sara Berns is also the contact for this group.
- Mission Beach Town Council - meets 2nd Wed of the month at 7 p.m. at Belmont Park Community Room, 3146 Mission Blvd. Contact is Scott Morrison.
- Mission Beach Precise Planning Committee - meets 3rd Tues. of the month at 7 pm. at Belmont park Community Room, 3146 Mission Blvd. Debra Watkins is the Chair.

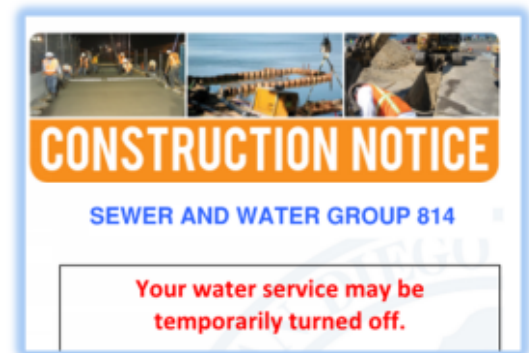
In addition, we will follow the City's outreach protocol and hold two community-wide meetings, one for Pacific Beach, the other for Mission Beach, during the design phase and two more meetings during the construction phase. We will seek out a venue in each area large enough to host several hundred people.

Our entire team has been working with these groups for the past 3 years on Water Group 3012. We have established relationships with all of them and have received positive feedback on our work and outreach to date. We have a great understanding of all of these groups and know their interests in and can anticipate their concerns. In addition, we have also worked closely with Ian Clampett, Council District 2's representative for Pacific Beach and Mission Beach for the same project.

7.2: Community Coordination

From our work on MACC Task #1, we have been introduced to outreach methods available to us free of charge through City Council offices. We believe this method will be beneficial through the summer moratorium. We will provide updates about the project and notices of upcoming meetings for inclusion in the Councilmember's monthly newsletter and email updates. We can also utilize the "199's" - 199 letters about one subject directed at a particular stakeholder group. We provide the letter content and the addresses, the postage is covered by the Council District. In addition, we will provide news releases during the moratorium to the Beach and Bay Press, the main news publication for the Mission Beach and Pacific Beach neighborhoods and update the online Project webpage. From email addresses we will gather at our community meetings, we will be able to send electronic newsletters during the moratorium. We will use *Constant Contact* as the email vendor because it is the only vendor that provides email communication services for the deaf.

We will delay the start of construction until after the 2014 summer moratorium and complete all improvements before the 2015 summer moratorium. Our beaches are critical assets to our local residents, hotels and restaurants. Maintaining the integrity of the moratorium during the summer months and limiting the project to one construction season will help appease stakeholders in the lodging industry including the 73-unit Pacific Terrace Hotel on Diamond Street run by Bartell Hotels (a San Diego-based company). The Pacific Shores Inn and the Seacrest Condos on Chalcedony Street along with the 12-story Capri by the Sea Condominium Rentals on Ocean Boulevard will all require face-to-face interaction when it comes to design and construction notification. In Mission Beach, The Santa Clara Hotel on Santa Clara Point will also be impacted by the project.



7.3: Staging Area and Project Clean Up

During construction a neat and clean project site will be maintained. This is accomplished by daily effort of sweeping, temporary paving each day, storing materials within designated staging areas. Prior to the moratorium all equipment and materials will be removed from the project area and permanent trench pavement will be completed. All impacted streets will be swept and the BMPs will be removed.

7.4: Residents and Visitors

We will coordinate the posting of two construction signs and work with our traffic subcontractor to post signs notifying the public at least 5 working days prior to closing/detouring traffic on streets impacted by the work. In

addition, no parking signs will be installed a minimum 48 hours in advance and no more than 72 hours in advance of scheduled slurry sealing/street resurfacing. We will also work with the Metropolitan Transit System (MTS) to minimize the impacts of the project on bus routes 27 and 34. We will notify MTS of the work and possible conflict. MTS will redirect riders as required to maintain safety. We've found that generally MTS chooses to temporarily close the bus stop rather than relocating it. They feel relocating the stop often creates an unsafe situation for the riders. There are eight bus stops located on Mission Boulevard that are along the project alignment, six of which may potentially be impacted by the construction. The following is a summary of the bus stops and their possible impacts.

1. Northbound Mission, north of Santa Barbara Place
2. Northbound Mission, north of San Luis Obispo
3. Northbound Mission, north of El Carmel St
4. Northbound Mission, south of San Jaun
5. Northbound Mission, south of Santa Clara
6. Northbound Mission, south of Santa Clara

The traffic control approach maintains a single lane in each direction with a minimum width of 14-feet in order to maintain bicycle traffic. The sidewalks will remain open to maintain pedestrian traffic.

7.5: Construction Mitigation Plan

There are numerous small businesses in Mission Beach just north of Mission Bay Drive and on Mission Boulevard from south of Santa Clara Point to north of Rockaway Court. These small businesses will be notified directly and made aware of the community meetings. From our work on Water Group 3012, we found that the number one concern of small businesses was the impact on parking and access to their stores. Through our public outreach efforts on Water Group 3012, we were able to successfully construct new water line with minimal disruption to the numerous businesses along Garnet Avenue. We will identify exact days of work outside specific storefronts in order to help businesses plan for staffing and parking alternatives.

Another key stakeholder in the project area is the San Diego Unified School District. There are no schools in the project area, but the SDUSD maintains the Mission Beach Central Office Facility on Santa Barbara Place and Mission Boulevard. This facility is in operation year-round and hosts the district's Human Relations personnel and the Beginning Teachers Program. We would work with the SDUSD to plan for access and parking at the facility during construction.

The best way to minimize construction impacts is to get in and out as quickly as possible. By dividing the project up into sixteen smaller phases we will be able to install and remove the highlining as the construction progresses this will limit the time and area impacted by the highlining service.



Appendix

Proposal Documents

Proposal Documents

Per

MACC Request for Proposal

Task Order No. 2

Sewer and Water Group 814

PROPOSAL DOCUMENTS

DESIGN-BUILD LIST OF SUBCONTRACTORS TO BE INCLUDED IN THE TECHNICAL (NON-PRICE) PROPOSAL ONLY

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NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONSTRUCTOR OR DESIGNER	TYPE OF WORK	PERCENT VALUE OF SUBCONTRACT	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB ^①	WHERE CERTIFIED ^②	CHECK IF JOINT VENTURE PARTNERSHIP
Name: Seal Right Paving Address: PO Box 2753 City: Spring Valley State: CA Zip: 91979 Phone: 619-465-7411	Constructor	AC Paving	5.71%	SLBE	City	
Name: PayCo Specialties Address: 120 North Second Ave. City: Chula Vista State: CA Zip: 91910 Phone: 619-422-9204	Constructor	Traffic Striping	.75%	WBE	CADoGS	
Name: M.H. Hoffman Trucking Address: 700 Martos Place City: Chula Vista State: CA Zip: 91910 Phone: 619-559-4550	Constructor	Trucking	7.38%	ELBE	City	

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- MBE: Certified Minority Business Enterprise
- DBE: Certified Disadvantaged Business Enterprise
- OBE: Other Business Enterprise
- SLBE: Certified Small Local Business Enterprise
- WoSB: Woman-Owned Small Business
- SDVOSB: Service-Disabled Veteran Owned Small Business

^② As appropriate, The Design-Builder shall indicate if Subcontractor is certified by:

- CITY: City of San Diego
- CPUC: California Public Utilities Commission
- CADoGS: State of California's Department of General Services
- CA: State of California
- MBE: Certified Woman Business Enterprise
- DBE: Certified Disabled Veteran Business Enterprise
- ELBE: Certified Emerging Local Business Enterprise
- SDB: Small Disadvantaged Business
- HUBZone: HUBZone Business
- CALTRANS: State of California Department of Transportation
- SRMSDC: San Diego Regional Minority Supplier Diversity Council
- L.A: City of Los Angeles
- SBA: U.S. Small Business Administration

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Form Title: DESIGN-BUILD LIST OF SUBCONTRACTORS TO BE INCLUDED IN THE TECHNICAL (NON-PRICE) PROPOSAL ONLY

Form Number: AA15

Attachment D

Multiple Award Construction Contract (MACC) for Sewer & Water Group 814

PROPOSAL DOCUMENTS

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Name: Inland Valley Engineering Address: 27475 Ynez Road, #627 City: Temecula State: CA Zip: 92591 Phone: 951-303-8309	Constructor	Bore Sewer Laterals	3.87%	OBE		
Name: H & D Construction Co. Address: P.O. Box 12859 City: El Cajon State: CA Zip: 92022 Phone: 619-444-6118	Constructor	Curb Ramps, Curb, Gutter, Sidewalk	5.03%	SLBE	City	
Name: Brian F. Smith & Assoc. Inc. Address: 14010 Poway Road, Ste. A City: Poway State: CA Zip: 92064 Phone: 858-679-8218	Constructor	Archeo/Paleo Monitoring	.55%	SLBE	City	

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- SLBE: Certified Small Local Business Enterprise
- WoSB: Woman-Owned Small Business
- SDVOSB: Service-Disabled Veteran Owned Small Business
- CITY: As appropriate, The Design-Builder shall indicate if Subcontractor is certified by:
 - City of San Diego
 - California Public Utilities Commission
 - State of California's Department of General Services
 - State of California

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

- Certified Woman Business Enterprise
- Certified Disabled Veteran Business Enterprise
- Certified Emerging Local Business Enterprise
- Small Disadvantaged Business
- HUBZone Business
- State of California Department of Transportation
- San Diego Regional Minority Supplier Diversity Council
- City of Los Angeles
- U.S. Small Business Administration

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Multiple Award Construction Contract (MACC) for Sewer & Water Group 814

PROPOSAL DOCUMENTS

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NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONSTRUCTOR OR DESIGNER	TYPE OF WORK	PERCENT VALUE OF SUBCONTRACT	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB ^①	WHERE CERTIFIED ^②	CHECK IF JOINT VENTURE PARTNERSHIP
Name: <u>Mat-Con Products, Inc.</u> Address: <u>1615 La Mirada Dr.</u> , City: <u>San Diego</u> State: <u>CA</u> Zip: <u>92069</u> Phone: <u>760-744-3355</u>	Constructor	Sewer Manholes	1.79%	OBE		
Name: <u>Southwest Traffic Signal Service</u> Address: <u>397 Raleigh Ave.</u> City: <u>El Cajon</u> State: <u>CA</u> Zip: <u>92020</u> Phone: <u>619-442-3343</u>	Constructor	Traffic Signal Loops	.07%	ELBE	City	
Name: <u>Mocon</u> Address: <u>49-950 Jefferson St., Ste C-200</u> City: <u>Indio</u> State: <u>CA</u> Zip: <u>92201</u> Phone: <u>760-564-2536</u>	Constructor	Pipe Bursting	.67%	OBE		

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- Certified Disadvantaged Business Enterprise
- Other Business Enterprise
- Certified Small Local Business Enterprise
- Woman-Owned Small Business
- Service-Disabled Veteran Owned Small Business
- City of San Diego
- California Public Utilities Commission
- State of California's Department of General Services
- State of California

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- MBE
- DBE
- OBE
- SLBE
- WoSB
- SDVOSB
- CITY
- CPUC
- CADoGS
- CA

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Multiple Award Construction Contract (MAcc) for Sewer & Water Group 814

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Name: <u>McGrath Consulting</u> Address: <u>PO Box 20205</u> City: <u>El Cajon</u> State: <u>CA</u> Zip: <u>92021</u> Phone: <u>619-250-2025</u>	Constructor	WPCP Monitoring	.13%	ELBE	City	
Name: <u>AirX Utility Surveyors, Inc.</u> Address: <u>2534 E. El Norte Parkway, Ste. C</u> City: <u>Escondido</u> State: <u>CA</u> Zip: <u>92027</u> Phone: <u>760-480-2347</u>	Constructor	Locate Sewer Laterals	.23%	SLBE	City	
Name: <u>Vic Salazar Communications</u> Address: <u>2514 Jamacha Rd., #502-21</u> City: <u>El Cajon</u> State: <u>CA</u> Zip: <u>92019</u> Phone: <u>619-517-4744</u>	Constructor	Community Liason Pre Con Video	.96%	ELBE	City	

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- Service-Disabled Veteran Owned Small Business
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Name: RCE Traffic & Transportation Address: 9255 Dillon Dr. City: La Mesa State: CA Zip: 91941 Phone: 619-589-9151	Designer	Traffic Control Design	9.8%	SLBE	City	
Name: McGrath Consulting Address: PO 20205 City: El Cajon State: CA Zip: 92021 Phone: 619-250-2025	Designer	WPCCP Plan	.42%	ELBE	City	
Name: PARC Civil, Inc. Address: 301 Mission Ave., Ste. 202 City: Oceanside State: CA Zip: 92054 Phone: 760-518-6266	Designer	Design Support	1.4%	DVBE	CADoGS	

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Name: David Evans & Assoc., Inc. Address: 401 B St., Ste. 410 City: San Diego State: CA Zip: 92101 Phone: 619-400-0604	Designer	Engineering	78.4%	OBE		
Name: San Dieguito Engineering Inc. Address: 4407 Manchester Ave., Ste. 105 City: Encinitas State: CA Zip: 92024 Phone: 760-753-5525	Designer	Utility Mapping	3.35%	SLBE	City	
Name: SanCon Engineering, Inc. Address: 5841 Engineer Dr. City: Huntington Beach, CA Zip: 92649 Phone: 714-891-2323	Constructor	Sewer Pipe Rehab	.62%	OBE		

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Name: Coastal Pipeline Services Address: PO Box 235653 City: Encinitas State: CA Zip: 92023 Phone: 760-828-5174	Constructor	Video Inspection	.17%	ELBE	City	
Name: R.B. Structural Concrete Address: 1850 Via Del Torrie City: Alpine State: CA Zip: 91901 Phone: 619-659-8720	Constructor	Concrete Paving	3.11%	SLBE	City	
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____						

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- Certified Woman Business Enterprise
- Certified Disabled Veteran Business Enterprise
- Certified Emerging Local Business Enterprise
- Small Disadvantaged Business
- HUBZone Business
- State of California Department of Transportation
- San Diego Regional Minority Supplier Diversity Council
- City of Los Angeles
- U.S. Small Business Administration
- WBE
- DVBE
- ELBE
- SDB
- HUBZone
- CALTRANS
- SRMSDC
- LA
- SBA

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

Form Title: DESIGN-BUILD LIST OF SUBCONTRACTORS TO BE INCLUDED IN THE TECHNICAL (NON-PRICE) PROPOSAL ONLY

Form Number: AA15

Attachment D

Multiple Award Construction Contract (MACC) for Sewer & Water Group 814

PROPOSAL DOCUMENTS

DESIGN-BUILD NAMED EQUIPMENT/MATERIAL SUPPLIER LIST TO BE INCLUDED IN THE TECHNICAL (NON-PRICE) PROPOSAL ONLY

The Design-Builder seeking the recognition of equipment, materials, or supplies obtained from Suppliers towards achieving any mandatory, voluntary, or both subcontracting participation percentages shall submit with the Proposal the Named Equipment/Material Supplier List. The Named Equipment/Material Supplier List, at a minimum, should have the name, locations (City) and the PERCENT VALUE of the Suppliers. The Design-Builder will be credited up to 60% of the amount to be paid to the Suppliers for such materials/supplies unless vendor manufacturers or substantially alters materials/supplies in which case 100% will be credited. The Design-Builder shall indicate (Yes/No) whether listed firm is a supplier or manufacturer. In calculating the subcontractor participation percentages, vendors/suppliers will receive 60% credit of the listed PERCENT VALUE, whereas manufacturers will receive 100% credit. If no indication provided, listed firm will be credited at 60% of the listed PERCENT VALUE for purposes of calculating the subcontractor participation percentages. Suppliers will receive 60% credit of the listed PERCENT VALUE, whereas manufacturers will receive 100% credit. If no indication provided, listed firm will be credited at 60% of the listed PERCENT VALUE for purposes of calculating the subcontractor participation percentages.

NAME, ADDRESS AND TELEPHONE NUMBER OF VENDOR/SUPPLIER	MATERIALS OR SUPPLIES	PERCENT 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: Acme Safety Address: 1616 West Ave. City: National City State: CA Zip: Phone: 619-299-5100	Traffic Control Materials	.21%	No	Yes	SLBE	
Name: J Cloud Inc Address: 2094 Willow Glen City: El Cajon State: CA Zip: 92019 Phone: 619-593-9020	Sand	.31%	Yes	No	SLBE	City
Name: Draves Pipeline Address: PO Box 1051 City: Bonsall State: CA Zip: 92003 Phone: 760-725-7094	PVC Pipe	5.28%	Yes	No	DVBE	CADoGS

[Ⓞ] As appropriate, The 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
- Certified Disadvantaged Business Enterprise
- Other Business Enterprise
- Certified Small Local Business Enterprise
- Woman-Owned Small Business
- Service-Disabled Veteran Owned Small Business
- As appropriate, The Design-Builder shall indicate if Vendor/Supplier is certified by:
 - MBE: Certified Woman Business Enterprise
 - DBE: Certified Disabled Veteran Business Enterprise
 - OBE: Certified Emerging Local Business Enterprise
 - SLBE: Small Disadvantaged Business
 - WOSB: HUBZone Business
 - SDVOSB: HUBZone Business

[Ⓢ] As appropriate, The Design-Builder shall indicate if Vendor/Supplier is certified by:

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

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

Form Title: DESIGN-BUILD NAMED EQUIPMENT/MATERIAL SUPPLIER LIST TO BE INCLUDED IN THE TECHNICAL (NON-PRICE) PROPOSAL ONLY

Form Number: AA30

Attachment D

Multiple Award Construction Contract (MACC) for Sewer & Water Group 814



THE CITY OF SAN DIEGO

July 12, 2013

San Dieguito Engineering, Inc.
Annie Aguilar, Ivan Fox,
Barry Munson, Andrew Karydes,
& Laurie Simon
4407 Manchester Avenue Ste 105
Encinitas, CA 92024

Subject: Small Local Business Enterprise Certification

Dear Annie, Ivan, Barry, Andrew, and Laurie:

Congratulations! We have reviewed your **renewal application** and you have been approved for re-certification as a City of San Diego Small Local Business Enterprise (SLBE). Your certification number is 11SD0475 and your classification is Professional Services. Please reference this certification number when bidding on City projects.

For the City's SLBE Program, your certification is effective June 28, 2013. This certification expires on June 28, 2015 at which time you will need to reapply in accordance with the SLBE guidelines.

Special Note:

To ensure the correct information is included in our database please go to <https://pro.prismcompliance.com> select City of San Diego under jurisdiction, select go, type in your company name, select go, select your company and review the information. If there is inaccurate/missing information please e-mail pjordan@sandiego.gov.

If you have any questions please call 619-533-3843.

Thank you,

A handwritten signature in blue ink, appearing to read "Henry Foster III".

Henry Foster III
EOC Program Manager



City of San Diego



Small Local Business Enterprise Certification

San Dieguito Engineering, Inc.

Small Local Business Enterprise (SLBE)

Professional Services (NAICS: 541330, 541370, 237210)

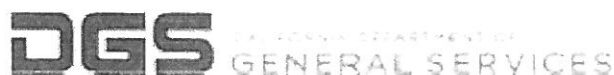
Certification Number: 11SD0475

Effective Date: 06/28/2013

Expiration Date: 06/28/2015

A handwritten signature in blue ink, appearing to read "Henry Foster III", is written over a horizontal line.

Henry Foster III
Equal Opportunity Contracting
Program Manager



Governor Edmund G. Brown Jr.

Jun 25, 2013

DVBE APP

Supplier #45
DRAVES PIPELINE
P O BOX 1051
BONSALL CA 92003

Dear Business Person:

Congratulations on your Disabled Veteran Business Enterprise (DVBE) certification with the State of California. Your business is now entitled to compete in the State's goal to spend three percent of its annual contracting dollars with DVBE businesses. For more information or to verify certification status, visit www.eprocure.dgs.ca.gov

Certification Period

From Jun 5, 2013 to Jun 30, 2015

Business Types

Service
Non-Manufacturer

Conflict of Interest for Current and Former State Employees

Prior to contract award, agencies will assure the vendor is in compliance with Public Contract Code, Section 10410 et seq. addressing conflict of interest for State employees or former employees.

Annual Submission Requirement

Submit copies of the ENTIRE federal tax return to the Office of Small Business and DVBE Services (OSDS). In addition to the business tax returns, each partner of a partnership business must also submit individual federal tax returns. Businesses that rent equipment to the State must submit individual federal tax returns for each disabled veteran owner within 90 days of the individual's tax return filing due date. If you have been granted a tax filing extension with the Internal Revenue Service, submit a copy of the extension form and annual financial statements; then, submit a copy of the tax return once filed.

Maintaining Your Online Certified Firm Profile

Visit www.eprocure.dgs.ca.gov/default.htm to update your certification profile. You may report changes to the following: mailing and principal office address; contact information; keywords and service areas; United Nations Standard Products and Services Codes, North American Industry Classification System (applicable only to Manufacturers). This certification may be impacted if you update information beyond the aforementioned. To report changes by mail, complete a "Certification Information Change" form located at www.documents.dgs.ca.gov/pd/smallbus/certchange.pdf

Certification Renewal

Please complete an online application at www.eprocure.dgs.ca.gov 90 days prior to the expiration date



PARC Civil, Inc. - #1436680

SUPPLIER PROFILE

Legal Business Name	PARC Civil, Inc.		
Doing Business As	PARC Civil, Inc.		
Address	301 Mission Avenue, Suite 202 OCEANSIDE, CA 92054-2591	Phone	(760) 518-6266
		FAX	(760) 730-8144
Email	aczajkowski@parccivil.com		
Business Types	Service		
Service Areas	Los Angeles, Orange, Riverside, Sacramento, San Diego, San Joaquin, Santa Barbara, Santa Cruz, Sonoma, Ventura,		
Keywords	civil engineering, water, wastewater, design, surveying, inspection, construction management, program management		
Classifications	811015 - Civil engineering		

Active Certifications

TYPE	STATUS	FROM	TO
SB (Micro)	Approved	Oct 2, 2012	Oct 31, 2014
DVBE	Approved	Mar 4, 2012	Apr 30, 2014

Certification History

TYPE	STATUS	FROM	TO
SB (Micro)	Expired	Sep 21, 2010	Sep 30, 2012

[Back To Query Form](#)**Search Returned 1 Records**

Mon Jul 15 16:09:01 PDT 2013

Query Criteria

Firm/DBA Name: Payco Specialties

Firm Type: DBE

Firm ID	102
Firm/DBA Name	PAYCO SPECIALTIES, INCORPORATED
Address Line1	120 NORTH SECOND AVE.
Address Line2	
City	CHULA VISTA
State	CA
Zip Code1	91910
Zip Code2	
Mailing Address Line1	
Mailing Address Line2	
Mailing City	
Mailing State	
Mailing Zip Code1	
Mailing Zip Code2	
Certification Type	DBE
EMail	rebecca@payco.biz
Contact Name	REBECCA LLEWELLYN
Area Code	(619)
Phone Number	422-9204
Fax Area Code	(619)
Fax Phone Number	427-1620
Agency Name	DEPARTMENT OF TRANSPORTATION
Counties	02; 13; 19; 30; 33; 37;
Districts	07; 08; 10; 11; 12;
DBE NAICS	237310; 238990;

ACDBE NAICS**Work Codes**

C1201 TRAFFIC CONTROL SYSTEM; C5601 SIGN STRUCTURE; C5620 ROADSIDE SIGN; C8201 OBJECT MARKER; C8405 THERMOPLASTIC TRAFFIC STRIPING & MARKING; C8406 PAINTED TRAFFIC STRIPING & MARKING; C8501 PAVEMENT MARKING; C9906 SANDBLASTING;

Licenses

B General Building Contractor; C32 Parking and Highway Improvement Contractor;

Trucks**Gender**

F

Ethnicity

CAUCASIAN

Firm Type

DBE

[Back To Query Form](#)

Updated Documentation

Work Force Report

EEO Participation

Old Highway 80 Sewer

Improvements

Work Force Report



City of San Diego
EQUAL OPPORTUNITY CONTRACTING PROGRAM
 1200 Third Avenue, Suite 200, San Diego, CA 92101
 (619) 236-6000 FAX: (619) 235-5209

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*.

CONTRACTOR IDENTIFICATION

Type of Contractor: Construction Supplier Financial Institution Lessee/Lessor
 Consultant Grant Recipient Insurance Company Other

Name of Company: El Cajon Grading & Engineering Co., Inc.

AKA/DBA: _____

Address (Corporate Headquarters, where applicable): P.O. Box 967

City Lakeside County San Diego State CA Zip 92040

Telephone Number: (619) 561-9840 FAX Number: (619) 561-9908

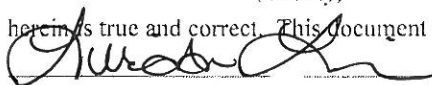
Name of Company CEO: William C. Young

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: () _____

Type of Business: Underground Construction Type of License: A

The Company has appointed: Linda Linn
 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: 13684 Highway 8 Business, Lakeside, CA 92040
 Telephone Number: (619) 561-9840 FAX Number: (619) 561-9908

For Firms: San Diego Work Force and/or Managing Office Work Force
 I, the undersigned representative of
El Cajon Grading & Engineering Co., Inc.

(Firm Name)
San Diego, CA hereby certify that information provided
 (County) (State)
 herein is true and correct. This document was executed on this day of July 10, 20013.
 Linda Linn
 (Authorized Signature) (Print Authorized Signature Name)

WORK FORCE REPORT - Page 2

NAME OF FIRM: El Cajon Grading & Engineering Co., Inc.

DATE: 7-10-13

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) African-American, Black | (5) Filipino |
| (2) Latino, Hispanic, Mexican-American, Puerto Rican | (6) Caucasian |
| (3) Asian, Pacific Islander | (7) Other ethnicity; not falling into other groups |
| (4) American Indian, Eskimo | |

OCCUPATIONAL CATEGORY	(1) African-American		(2) Latino		(3) Asian		(4) American Indian		(5) Filipino		(6) Caucasian		(7) Other Ethnicities		
	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	
Executive, Administrative, Managerial												2	2		
Professional Specialty												1			
Engineers/Architects															
Technicians and Related Support															
Sales															
Administrative Support/Clerical													1		
Services															
Precision Production, Craft and Repair												1			
Machine Operators, Assemblers, Inspectors															
Transportation and Material Moving												1			
Handlers, Equipment Cleaners, Helpers and Non-construction Laborers*															

*Construction laborers and other field employees are not to be included on this page

TOTALS EACH COLUMN												5	3		
--------------------	--	--	--	--	--	--	--	--	--	--	--	---	---	--	--

GRAND TOTAL ALL EMPLOYEES		8													
---------------------------	--	---	--	--	--	--	--	--	--	--	--	--	--	--	--

INDICATE BY GENDER AND ETHNICITY THE NUMBER OF ABOVE EMPLOYEES WHO ARE DISABLED

DISABLED															
----------	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

NON-PROFIT ORGANIZATIONS ONLY

BOARD OF DIRECTORS															
VOLUNTEERS															
ARTISTS															

NAME OF FIRM: El Cajon Grading & Engineering Co., Inc. DATE: 7-10-13

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) African-American, Black
- (2) Latino, Hispanic, Mexican-American, Puerto Rican
- (3) Asian, Pacific Islander
- (4) American Indian, Eskimo
- (5) Filipino
- (6) Caucasian
- (7) Other ethnicity: not falling into other groups

OCCUPATIONAL CATEGORY	(1) African-American		(2) Latino		(3) Asian		(4) American Indian		(5) Filipino		(6) Caucasian		(7) Other Ethnicities	
	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)	(M)	(F)
Carpenter														
Drywall Installer														
Electrician														
Elevator Installers														
Finishers, Concrete or Terrazzo														
Glaziers														
Helpers, Construction Trade														
Ironworkers, Structural Metal Workers														
Laborers	1		2									2		
Millwrights														
Masons, Bricklayers														
Tilesetters														
Operators			1									4		
Painters														
Pipefitter, Plumbers														
Plasterers														
Roofers														
Security, Protective Services														
Sheet Metal, Duct Installers														
Welders, Cutters														
TOTALS EACH COLUMN	1		3									6		
GRAND TOTAL ALL EMPLOYEES			10											

INDICATE BY GENDER AND ETHNICITY THE NUMBER OF ABOVE EMPLOYEES WHO ARE DISABLED

DISABLED														
----------	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Old Highway 80
EEO Participation Forms

DESIGN-BUILD SUBCONTRACTORS AND SUPPLIERS PAST PARTICIPATION LIST

The Design-Builder shall complete this form for each project listed in response to the RFQ. The Design-Build Subcontractors and Suppliers Past Participation List shall include name, address, telephone number (including area code), classification, type of work, dollar amount of participation, certification, and certifying agency for each Subcontractor or Supplier who participated in the referenced project.

NAME OF PROJECT: Old Highway 80 Sewer Improvements Manhole 17 - 24

TYPE OF PROJECT: Construction - Sewer

DOLLAR VALUE OF PROJECT: \$1,066,387.88

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONTRACTOR, DESIGNER, SUPPLIER, OR VENDOR	TYPE OF WORK PERFORMED, MATERIALS OR SUPPLIES	DOLLAR AMOUNT OF SUBCONTRACTOR PARTICIPATION, MATERIALS OR SUPPLIES	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, W _o SB, HUBZone, OR SDVOSB [®]	WHERE CERTIFIED [®]
Name: <u>Geo Cell Solutions</u> Address: <u>2668 North Fordham Avenue</u> City: <u>Fresno</u> State: <u>CA</u> Zip: <u>93727</u> Phone: <u>559-294-1551</u>	Contractor	Slurry Fill Pipe	8,000	DVBE	CADoGS
Name: <u>Coastal Pipeline Services</u> Address: <u>PO Box 235653</u> City: <u>Encinitas</u> State: <u>CA</u> Zip: <u>92023</u> Phone: <u>760-828-5174</u>	Contractor	TV Inspection of Sewer Pipe	2,625.00	SLBE	City
Name: <u>McGrath Consulting</u> Address: <u>PO Box 20205</u> City: <u>El Cajon</u> State: <u>CA</u> Zip: <u>92021</u> Phone: <u>619-250-2025</u>	Designer	WPCP	650	SLBE	City

① As appropriate, Design-Builder shall identify Subcontractors or Suppliers as one of the following and shall include a valid proof of certification (except for OBE, SLBE and ELBE):

- Certified Minority Business Enterprise
- Certified Disadvantaged Business Enterprise
- Other Business Enterprise
- Certified Small Local Business Enterprise
- Woman-Owned Small Business
- Service-Disabled Veteran Owned Small Business
- MBE
- DBE
- OBE
- SLBE
- W_oSB
- SDVOSB
- Certified Woman Business Enterprise
- Certified Disabled Veteran Business Enterprise
- Certified Emerging Local Business Enterprise
- Small Disadvantaged Business
- HUBZone Business
- WBE
- DVBE
- ELBE
- SDB
- HUBZone

② As appropriate, Design-Builder shall indicate if Subcontractor or Subcontractor is certified by:

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

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

Form Title: DESIGN-BUILD SUBCONTRACTORS AND SUPPLIERS PAST PARTICIPATION LIST
 Form Number: AA50
 Project Title: Multiple Award Design-Build Contracts for Water, Wastewater, and Stormwater Pipeline Projects, RFQ No: 12MCL100
 (Rev. May 2012)

DESIGN-BUILD SUBCONTRACTORS AND SUPPLIERS PAST PARTICIPATION LIST

The Design-Builder shall complete this form for each project listed in response to the RFQ. The Design-Build Subcontractors and Suppliers Past Participation List shall include name, address, telephone number (including area code), classification, type of work, dollar amount of participation, certification, and certifying agency for each Subcontractor or Supplier who participated in the referenced project.

NAME OF PROJECT: Old Highway 80 Sewer Improvements Manhole 17 - 24

TYPE OF PROJECT: Construction - Sewer

DOLLAR VALUE OF PROJECT: \$1,066,387.88

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONTRACTOR, DESIGNER, SUPPLIER, OR VENDOR	TYPE OF WORK PERFORMED, MATERIALS OR SUPPLIES	DOLLAR AMOUNT OF SUBCONTRACTOR PARTICIPATION, MATERIALS OR SUPPLIES	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, W _o SB, HUBZone, OR SDVOSB [®]	WHERE CERTIFIED [®]
Name: ACME Safety & Supply Address: 1616 West Avenue City: National City State: CA Zip: 91950 Phone: 619-299-5100	Designer	Traffic Plans	225	SLBE	City
Name: Draves Pipeline Address: PO Box 1051 City: Bonsall State: CA Zip: 92003 Phone: 760-728-7094	Supplier	Pipe	67,686.52	DVBE	CADoGS
Name: Video Fact Address: 4150 Merritt Boulevard City: La Mesa State: CA Zip: 91941 Phone:	Contractor	Pre-Construction Video	500	ELBE	City

① As appropriate, Design-Builder shall identify Subcontractors or Suppliers as one of the following and shall include a valid proof of certification (except for OBE, SLBE and ELBE):

- Certified Minority Business Enterprise
- Certified Disadvantaged Business Enterprise
- Other Business Enterprise
- Certified Small Local Business Enterprise
- Woman-Owned Small Business
- Service-Disabled Veteran Owned Small Business
- MBE
- DBE
- OBE
- SLBE
- W_oSB
- SDVOSB
- Certified Woman Business Enterprise
- Certified Disabled Veteran Business Enterprise
- Certified Emerging Local Business Enterprise
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- HUBZone Business
- WBE
- DVBE
- ELBE
- SDB
- HUBZone

② As appropriate, Design-Builder shall indicate if Subcontractor or Subcontractor is certified by:

- City of San Diego
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- State of California
- CITY
- CPUC
- CADoGS
- CA
- State of California Department of Transportation
- San Diego Regional Minority Supplier Diversity Council
- City of Los Angeles
- U.S. Small Business Administration
- CALTRANS
- SRMSDC
- LA
- SBA

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

DESIGN-BUILD SUBCONTRACTORS AND SUPPLIERS PAST PARTICIPATION LIST

The Design-Builder shall complete this form for each project listed in response to the RFQ. The Design-Build Subcontractors and Suppliers Past Participation List shall include name, address, telephone number (including area code), classification, type of work, dollar amount of participation, certification, and certifying agency for each Subcontractor or Supplier who participated in the referenced project.

NAME OF PROJECT: Old Highway 80 Sewer Improvements Manhole 17 - 24

TYPE OF PROJECT: Construction - Sewer DOLLAR VALUE OF PROJECT: \$1,066,387.88

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONTRACTOR, DESIGNER, OR SUPPLIER, OR VENDOR	TYPE OF WORK PERFORMED, MATERIALS OR SUPPLIES	DOLLAR AMOUNT OF SUBCONTRACTOR PARTICIPATION, MATERIALS OR SUPPLIES	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB®	WHERE CERTIFIED®
Name: <u>Kissinger Trucking</u> Address: <u>PO Box 1127</u> City: <u>Spring Valley</u> State: <u>CA</u> Zip: <u>91979</u> Phone: <u>619-660-7488</u>	Contractor	Truck Rental	39,872.00	WMBE	CPUC
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____					
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____					

① As appropriate, Design-Builder shall identify Subcontractors or Suppliers as one of the following and shall include a valid proof of certification (except for OBE, SLBE and ELBE):

- Certified Minority Business Enterprise
- Certified Disadvantaged Business Enterprise
- Other Business Enterprise
- Certified Small Local Business Enterprise
- Woman-Owned Small Business
- Service-Disabled Veteran Owned Small Business
- MBE
- DBE
- OBE
- SLBE
- WoSB
- SDVOSB
- Certified Woman Business Enterprise
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- Certified Emerging Local Business Enterprise
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- HUBZone Business
- WBE
- DVBE
- ELBE
- SDB
- HUBZone

② As appropriate, Design-Builder shall indicate if Subcontractor or Subcontractor is certified by:

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

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

California Certification Report

1162421 - GEO CELL SOLUTIONS, INC. - DVBE

Legal Business Name	GEO CELL SOLUTIONS, INC.		
Doing Business As	GEO CELL SOLUTIONS, INC.		
Address	2668 North Fordham Avenue	Phone	(559) 294-1551
	FRESNO, CA 93727	FAX	(559) 294-7575
Email	dlhacker@sbcglobal.net		
Web Page	http://geo-cell.com		
Active Certifications	DVBE Dec 22, 2011 - Dec 31, 2012		
Business Types	Construction;		
Classifications	[111115] Dirt and soil		
	[301115] Concrete and mortars		
	[301217] Road and railroad construction materials		
	[301415] Thermal insulation		
	[721111] Multiple unit dwelling construction services		
	[721210] New industrial building and warehouse construction services		
	[721211] Commercial and office building construction services		
	[721212] Agricultural building construction services		
	[721214] Specialized public building construction services		
	[721215] Industrial plant construction services		
	[721410] Highway and road construction services		
	[721411] Infrastructure building and surfacing and paving services		
	[721413] Athletic and recreational facility construction service		
	[721414] Detention facility construction and repair services		
	[721416] Mass transit system construction services		
[721521] Acoustical and insulation services			
[721540] Specialty building and trades services			
[761220] Landfill services			
Keywords	low density cellular concrete, CDF, pressure grouting, low density fill, flowable fill, abandonments, CLSM, lightweight concrete, underseal, cellular concrete, engineered fill		

- 541330 Engineering Services
- 541620 Environmental Consulting Services
- 541360 Geophysical Surveying and Mapping Services
- 541690 Other Scientific and Technical Consulting Services
- 541712 Research and Development in the Physical, Engineering, and Life Sciences (except Biotechnology)
- 541370 Surveying and Mapping (except Geophysical) Services

Coastal Pipeline Services
 Kenburtech@yahoo.com



Ken Burtech (760) 828-5174

License Type **Business Status**
 A Emerging

NOTE: Eligible for ALL subcontracting opportunities, eligible as a prime contractor for \$50k & below until receipt of bond letter.

- 541990 All Other Professional, Scientific, and Technical Services

Collaborative Services, Inc.
 Catherine@collaborativeservices.biz

Catherine Smith (619) 232-2112

License Type **Business Status**
 Goods/Services Emerging

NOTE:

- 541990 All Other Professional, Scientific, and Technical Services
- 541613 Marketing Consulting Services
- 541840 Media Representatives
- 541618 Other Management Consulting Services
- 541690 Other Scientific and Technical Consulting Services
- 541890 Other Services Related to Advertising
- 541820 Public Relations Agencies

Coltrane Fire Protection
 Coltranefire@yahoo.com

Pepper Coltrane Willia (619) 596-0737

License Type **Business Status**
 C-16 Emerging

NOTE:

- 423990 Other Miscellaneous Durable Goods Merchant Wholesalers

Columbia Pacific Telesystems
 KarenH@columbianet.com

George R. Herreros (858) 578-0404

License Type **Business Status**
 C-07 Emerging

NOTE:

- 811213 Communication Equipment Repair and Maintenance

MBN Group, Inc.
Mnguyen@mbngroup.net

Minh Nguyen (858) 678-0150

License Type **Business Status**
ARC Small

NOTE:

541310 Architectural Services

McCullough Landscape Architecture, Inc.
Catherine@mlasd.com

Catherine McCullough (619) 296-3150

License Type **Business Status**
ARC Small

NOTE: Professional Services -Landscape Architect

541320 Landscape Architectural Services

* McGrath Consulting ←
Mwm@mcswwppp.com

Michael McGrath (619) 250-2025

License Type **Business Status**
Goods/Services Emerging

NOTE:

541620 Environmental Consulting Services

McKinnon Enterprises
Dm@darlenemckinnon.com

Darlene McKinnon (858) 776-9300

License Type **Business Status**
Goods/Services Small

NOTE:

541611 Administrative Management and General Management Consulting Services

541612 Human Resources and Executive Search Consulting Services

541613 Marketing Consulting Services

611430 Professional and Management Development Training

McKinnon Garcia
Vicki@marketing-impressions.com

Victoria Garcia (619) 660-6730

License Type **Business Status**
Goods/Services Small

NOTE:

541611 Administrative Management and General Management Consulting Services

561920 Convention and Trade Show Organizers

541430 Graphic Design Services

541613 Marketing Consulting Services

Ace Excavating & Environmental Services, Inc.

Rose Gillum (619) 441-4900

Ace@ace.sdcoxmail.com

License Type	Business Status
A	Emerging
C-21	Emerging
C-57	Emerging
HAZ	Emerging
ASB	Emerging

NOTE:

- 238990 All Other Specialty Trade Contractors
- 238110 Poured Concrete Foundation and Structure Contractors
- 238910 Site Preparation Contractors
- 238120 Structural Steel and Precast Concrete Contractors
- 237110 Water and Sewer Line and Related Structures Construction

* Acme Safety & Supply Corp.



Candace Friedman (619) 299-5100

Candace@acmesafetysupply.com

License Type	Business Status
Goods/Services	Small
C-31	Small
C-61	Small
D-42	Small

NOTE:

- 561990 All Other Support Services
- 423990 Other Miscellaneous Durable Goods Merchant Wholesalers
- 339950 Sign Manufacturing

ADCO Underground Services, LLC.

Adam Farrar (619) 241-1496

Afarrar@adcounterground.com

License Type	Business Status
A	Emerging
D-06	Emerging
C-61	Emerging

NOTE: Eligible for ALL subcontracting opportunities, eligible as a prime contractor for \$50k & below until receipt of bond letter.

- 541620 Environmental Consulting Services
- 541360 Geophysical Surveying and Mapping Services



State of California • Edmund G. Brown Jr., Governor • State and Consumer Services Agency
DEPARTMENT OF GENERAL SERVICES • PROCUREMENT DIVISION
Office of Small Business and DVBE Services
707 Third Street, 1st Floor, Room 400 • P.O. Box 989052, West Sacramento, CA 95798-9052
Phone (916) 375-4940 Fax (916) 375-4950 www.dgs.ca.gov

Aug 24, 2011

DVBE APP

Supplier #45
DRAVES PIPELINE
P O BOX 1051
BONSALL CA 92003

Dear Business Person:

Congratulations on your certified Disabled Veteran Business Enterprise (DVBE) status with the State of California. Your certification entitles you to benefits under the state's DVBE Participation Program within state contracting, including the three percent DVBE participation goal for overall state contract dollars.

Certification Period

From Aug 23, 2011 to Jul 31, 2013

Business Types

- Service
- Non-Manufacturer

Classifications

- 221017 - Heavy equipment components
- 221019 - Building construction machinery and accessories
- 301036 - Structural products

Proof of Certification Status

To verify your firm's small business certification status go to <http://www.eprocure.dgs.ca.gov/default.htm> and select "SB/DVBE Search."

Annual Submission Requirement

All DVBEs must submit to the Office of Small Business and DVBE Services (OSDS) each post certification tax year, a complete copy of the business' federal income tax return, including extensions, within 90 days of the tax return's filing due date. If your business is a partnership, each partner must also submit a complete copy of his or her individual tax return. Additionally, if you are a DVBE that is

HWY

12/15/11

City of San Diego

CITY CONTACT

Contract Specialist: Claudia Abarca
Email: CAbarca@sanidiego.gov
Phone No.: 619- 533-3439, Fax No.: 619-533-3633
CGascon/BD/egz



PROPOSAL DOCUMENTS

FOR

MULTIPLE AWARD CONSTRUCTION CONTRACTS (MACC) FOR WATER, WASTEWATER, AND STORMWATER PROJECTS

TASK ORDER:	SEWER AND WATER GROUP 814
TASK ORDER NO.:	02
RFQ NO.:	12MCL100
PROPOSAL NO.:	K-13-5939-MAC-3-C
SAP NO. (WBS/IO/CC):	B-00435, B-00108
CLIENT DEPARTMENT:	2011/2013
COUNCIL DISTRICT:	2
PROJECT TYPE:	JA, KB

THIS TASK IS SUBJECT TO THE FOLLOWING:

- PHASED FUNDING
- SMALL AND LOCAL BUSINESS ENTERPRISE (SLBE) PROGRAM
- MANDATORY USE OF APPRENTICES

THIS DOCUMENT SHALL BE SUBMITTED IN ITS ENTIRETY

PROPOSALS DUE

**12:00 NOON
JULY 9, 2013**

Proposal Documents

The following forms must be completed in their entirety and submitted with the Proposal. Include the form(s) even if the information does not apply. Where the information does not apply write in N/A. Failure to include any of the forms may cause the Proposal to be deemed **non-responsive**. If you are uncertain or have any questions about any required information, contact the City no later than 14 Days prior to the due date of the Proposal.

1. Proposal	218
2. Non-Collusion Affidavit to be executed by Proposer and Submitted with Proposal under 23 USC 112 and PCC 7106	222
3. Contractors Certification of Pending Actions	223
4. Equal Benefits Ordinance Certification of Compliance.....	224
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6. Price Proposal Forms (Design Build)	226
7. Form AA05 – Design-Build List of Subcontractors	228
8. Form AA15 - Design-Build List of Subcontractors.....	229
9. Form AA25 - Design-Build Named Equipment/Material Supplier List.....	230
10. Form AA30 - Design-Build Named Equipment/Material Supplier List.....	231

PROPOSAL DOCUMENTS

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. _____

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):

PROPOSAL DOCUMENTS

(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. _____

IF A CORPORATION, SIGN HERE:

(1) Name under which business is conducted El Cajon Grading & Engineering Co., Inc.

(2) Signature, with official title of officer authorized to sign for the corporation:



(Signature)

William R. Young

(Printed Name)

Vice President

(Title of Officer)

(Impress Corporate Seal Here)

(3) Incorporated under the laws of the State of California

(4) Place of Business (Street & Number) 13684 Highway 8 Business

(5) City and State Lakeside, CA Zip Code 92040

(6) Telephone No. 619-561-9840 Facsimile No. 619-561-9908

PROPOSAL DOCUMENTS

THE FOLLOWING SECTIONS MUST BE FILLED IN BY ALL PROPOSERS:

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

LICENSE CLASSIFICATION A

LICENSE NO. 274857 EXPIRES 9-30-14

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: R.Young@ecgrading.com

BIDDING DOCUMENTS

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 *Willie R. King* Title Vice President

See Attached Notarization

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

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

(NOTARIAL SEAL)

CALIFORNIA JURAT WITH AFFIANT STATEMENT

- See Attached Document (Notary to cross out lines 1-6 below)
 See Statement Below (Lines 1-5 to be completed only by document signer[s], *not* Notary)

1 _____
2 _____
3 _____
4 _____
5 _____
6 _____

Signature of Document Signer No. 1 _____ Signature of Document Signer No. 2 (if any) _____

State of California

County of San Diego

Subscribed and sworn to (or affirmed) before me on this

17 day of July, 20 , by
Date Month Year

(1) William R. Young,
Name of Signer

proved to me on the basis of satisfactory evidence to be the person who appeared before me (.) (,)

(and

(2) _____,
Name of Signer

proved to me on the basis of satisfactory evidence to be the person who appeared before me.)

Signature [Signature]
Signature of Notary Public



Place Notary Seal Above

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Further Description of Any Attached Document

Title or Type of Document: Contractor's Lic. Stmt.

Document Date: _____ Number of Pages: 1

Signer(s) Other Than Named Above: None

RIGHT THUMBPRINT OF SIGNER #1

Top of thumb here

RIGHT THUMBPRINT OF SIGNER #2

Top of thumb here

**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.

William R. Young, being first duly sworn, deposes and says that he or she is Vice 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: *William R. Young*
Title: Vice President

See attached Notarization

Subscribed and sworn to before me this _____ day of _____, _____

Notary Public

(SEAL)

CALIFORNIA JURAT WITH AFFIANT STATEMENT

- See Attached Document (Notary to cross out lines 1-6 below)
 See Statement Below (Lines 1-5 to be completed only by document signer[s], *not* Notary)

1 _____
2 _____
3 _____
4 _____
5 _____
6 _____

Signature of Document Signer No. 1 _____ Signature of Document Signer No. 2 (if any) _____

State of California

County of San Diego

Subscribed and sworn to (or affirmed) before me on this

17 day of July, 20 , by
Date Month Year

(1) William R. Young,
Name of Signer

proved to me on the basis of satisfactory evidence to be the person who appeared before me (.) (,)

(and

(2) _____,
Name of Signer

proved to me on the basis of satisfactory evidence to be the person who appeared before me.)

Signature [Handwritten Signature]
Signature of Notary Public



Place Notary Seal Above

OPTIONAL

Though the information below is not required by law, it may prove valuable to persons relying on the document and could prevent fraudulent removal and reattachment of this form to another document.

Further Description of Any Attached Document

Title or Type of Document: Non-collusion Affidavit

Document Date: _____ Number of Pages: 1

Signer(s) Other Than Named Above: None

RIGHT THUMBPRINT OF SIGNER #1
Top of thumb here

RIGHT THUMBPRINT OF SIGNER #2
Top of thumb here

CONTRACTORS CERTIFICATION OF PENDING ACTIONS

As part of its bid or proposal (Non-Price Proposal in the case of Design-Build contracts), the Design-Builder shall provide to the City a list of all instances within the past ten years where a complaint was filed or pending against the Design-Builder in a legal or administrative proceeding alleging that Design-Builder 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 Design-Builder has NOT been the subject of a complaint or pending action in a legal administrative proceeding alleging that Design-Builder discriminated against its employees, subcontractors, vendors or suppliers.

- The undersigned certifies that within the past 10 years the Design-Builder has been the subject of a complaint or pending action in a legal administrative proceeding alleging that Design-Builder 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: El Cajon Grading & Engineering Co., Inc.

Certified By William R. Young Title Vice President
Name

William R. Young Date 7-17-13
Signature

USE ADDITIONAL FORMS AS NECESSARY

PROPOSAL DOCUMENTS

**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: El Cajon Grading & Engineering Co., Inc.	Contact Name: Randy Young
Company Address: P.O. Box 967, Lakeside, CA 92040	Contact Phone: 619-561-9840
	Contact Email: R.Young@ecgrading.com

CONTRACT INFORMATION	
Contract Title: Sewer & Water Group 814	Start Date:
Contract Number (if no number, state location): K-13-5939-MAC-3-C	End Date:

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.

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.

William R. Young, Vice President		7-17-13
Name/Title of Signatory	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

PROPOSAL DOCUMENTS

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 **Task Order 02 for Sewer & Water Group 814**.

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: 7-17-13

The Design-Builder: El Cajon Grading & Engineering Co. Inc.

By: 
(Signature)

Title: Vice President

PROPOSAL DOCUMENTS

PRICE PROPOSAL FORMS

The Design-Builder agrees to the design and construction of **Task Order 02 for Sewer & Water Group 814**, for the City of San Diego, in accordance with these contract documents for the lump sum Design-Build Proposal prices listed below. The Design-Builder guarantees the lump sum Design-Build Proposal prices for a period of 120 Days (90 Days for federally funded contracts and contracts valued at \$500,000 or less) from the date Proposals are due until the award of the Task Order. The duration of the price guarantee shall be extended by the number of Days required for the City to obtain all items necessary to fulfill all conditions precedent e.g., bond and insurance.

Item No.	NAICS CODE	Description	Quantity	Unit	Unit Price	Extension
1	541330	Design Services	1	LS	 	\$ 357,142.00
2	237110	Construction Services	1	LS	 	\$ 5,634,658.00
3		City Contingency (See Section 1-2, "TERMS AND DEFINITIONS" in The WHITEBOOK for Allowances)	1	AL	 	\$400,000.00
4	238990	Dewatering Permit and Discharge Fee and Dewatering Hazardous Waste contaminated Water.	1	AL	 	\$200,000.00

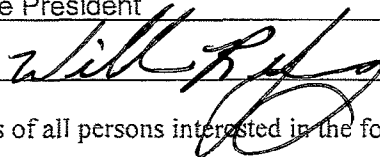
Total Design-Build Proposal Amount (Item No. 1 through Item No. 4 inclusive): \$ 6,591,800.00

Total Design-Build Proposal Amount (Item No. 1 through Item No. 4 inclusive) written in words:

Six Million, Five Hundred Ninety One Thousand, Eight Hundred Dollars and no cents

The Design-Builder: El Cajon Grading & Engineering Co., Inc.

Title: Vice President

Signature: 

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

William C. Young, President

William R. Young, Vice President

Judy L. Young, Secretary

Linda Linn, Treasurer

PROPOSAL DOCUMENTS

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

NOTES:

- A. After the selection has been made, the City may award the task order for the Base Proposal alone or if applicable, for the Base Proposal plus any combination of alternates selected in the City's sole discretion.
- B. Prices and notations shall be in ink or typewritten. All corrections (which have been initiated by the Design-Builder using erasures, strike out, line out, or "white-out") shall be typed or written in with ink adjacent thereto, and shall be initialed in ink by the person signing the Proposal.
- C. Failure to initial all corrections made in the proposal documents may cause the Proposal to be rejected as **non-responsive** and ineligible for award.
- D. Blank spaces must be filled in. The Design-Builder's failure to submit a price may render the Proposal **non-responsive** and ineligible for award.
- E. 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.

PROPOSAL DOCUMENTS

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

In accordance with the requirements provided in the "Subletting and Subcontracting Fair Practices Act", Division 2, Part 1, Chapter 4 of the Public Contract Code, the Design-Builder shall 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 Proposal. The Design-Builder shall also list below the portion of the work which will be done by each Subcontractor. The Design-Builder shall list only one Subcontractor for each portion of the Work. The **DOLLAR VALUE** of the total Proposal to be performed shall be stated for all Subcontractors listed. Failure to comply with this requirement may result in the Proposal being rejected as **non-responsive** and ineligible for award. The Design-Builder's attention is directed to the Special Provisions - General; Paragraph 2-3 Subcontracts, which stipulates the percent of the Work to be performed with the Design-Builder's own forces. The Design-Builder shall list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors that the Design-Builder are seeking recognition towards achieving any mandatory, voluntary, or both subcontracting participation percentages.

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONSTRUCTOR OR DESIGNER	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>Inland Valley Engineering</u> Address: <u>27475 Ynez Road, # 627</u> City: <u>Temecula</u> State: <u>CA</u> Zip: <u>92591</u> Phone: <u>951-303-8309</u>	Constructor	Bore Sewer Laterals	\$219,895.00	OBE		
Name: <u>H & D Construction Co.</u> Address: <u>P.O. Box 12859</u> City: <u>El Cajon</u> State: <u>CA</u> Zip: <u>92022</u> Phone: <u>619-444-6118</u>	Constructor	Curb Ramps, Curb, Gutter, Sidewalk	\$285,600.00	SLBE	City	
Name: <u>Brian F. Smith & Assoc. Inc.</u> Address: <u>14010 Poway Road, Ste. A</u> City: <u>Poway</u> State: <u>CA</u> Zip: <u>92064</u> Phone: <u>858-679-8218</u>	Constructor	Archeo/Paleo Monitoring	\$ 31,266.00	SLBE	City	

Handwritten notes:
\$1,9164, 907.63
= .3368
ⓐ

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

Form Title: DESIGN-BUILD LIST OF SUBCONTRACTORS TO BE INCLUDED IN THE PRICE PROPOSAL ONLY
 Form Number: AA05
 Attachment D
 Multiple Award Construction Contract (MACC) for Sewer & Water Group 814

PROPOSAL DOCUMENTS

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

In accordance with the requirements provided in the "Subletting and Subcontracting Fair Practices Act", Division 2, Part 1, Chapter 4 of the Public Contract Code, the Design-Builder shall 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 Proposal. The Design-Builder shall also list below the portion of the work which will be done by each Subcontractor. The Design-Builder shall list only one Subcontractor for each portion of the Work. The DOLLAR VALUE of the total Proposal to be performed shall be stated for all Subcontractors listed. Failure to comply with this requirement may result in the Proposal being rejected as non-responsive and ineligible for award. The Design-Builder's attention is directed to the Special Provisions - General; Paragraph 2-3 Subcontracts, which stipulates the percent of the Work to be performed with the Design-Builder's own forces. The Design-Builder shall list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors that the Design-Builder are seeking recognition towards achieving any mandatory, voluntary, or both subcontracting participation percentages.

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONSTRUCTOR OR DESIGNER	TYPE OF WORK	DOLLAR VALUE OF SUBCONTRACT	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB ^①	WHERE CERTIFIED ^②	CHECK IF JOINT VENTURE PARTNERSHIP
Name: <u>Mar-Con Products, Inc.</u> Address: <u>1615 La Mirada Dr.</u> City: <u>San Marcos</u> State: <u>CA</u> Zip: <u>92069</u> Phone: <u>760-744-3355</u>	Constructor	Sewer Manholes	\$101,560.00	OBE		
Name: <u>Southwest Traffic Signal Service</u> Address: <u>397 Raleigh Ave.</u> City: <u>El Cajon</u> State: <u>CA</u> Zip: <u>92020</u> Phone: <u>619-442-3343</u>	Constructor	Traffic Signal Loops	\$3,720.00	ELBE	City	
Name: <u>MOCON</u> Address: <u>49-950 Jefferson St., Ste. C-200</u> City: <u>Indio</u> State: <u>CA</u> Zip: <u>92201</u> Phone: <u>760-564-2536</u>	Constructor	Pipe Bursting	\$38,052.00	OBE		

① As appropriate, The Design-Builder shall identify Subcontractor as one of the following and shall include a valid proof of certification (except for OBE, SLBE and ELBE):

Certified Minority Business Enterprise	MBE	Certified Woman Business Enterprise	WBE
Certified Disadvantaged Business Enterprise	DBE	Certified Disabled Veteran Business Enterprise	DVBE
Other Business Enterprise	OBE	Certified Emerging Local Business Enterprise	ELBE
Certified Small Local Business Enterprise	SLBE	Small Disadvantaged Business	SDB
Woman-Owned Small Business	WoSB	HUBZone Business	HUBZone
Service-Disabled Veteran Owned Small Business	SDVOSB		

② As appropriate, The 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 may not receive any subcontracting participation percentages if the Design Builder fails to submit the required proof of certification.

Form Title: DESIGN-BUILD LIST OF SUBCONTRACTORS TO BE INCLUDED IN THE PRICE PROPOSAL ONLY

Form Number: AA05

Attachment D

Multiple Award Construction Contract (MACC) for Sewer & Water Group 814

PROPOSAL DOCUMENTS

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

In accordance with the requirements provided in the "Subletting and Subcontracting Fair Practices Act", Division 2, Part 1, Chapter 4 of the Public Contract Code, the Design-Builder shall 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 Proposal. The Design-Builder shall also list below the portion of the work which will be done by each Subcontractor. The Design-Builder shall list only one Subcontractor for each portion of the Work. The **DOLLAR VALUE** of the total Proposal to be performed shall be stated for all Subcontractors listed. Failure to comply with this requirement may result in the Proposal being rejected as **non-responsive** and ineligible for award. The Design-Builder's attention is directed to the Special Provisions - General; Paragraph 2-3 Subcontracts, which stipulates the percent of the Work to be performed with the Design-Builder's own forces. The Design-Builder shall list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors that the Design-Builder are seeking recognition towards achieving any mandatory, voluntary, or both subcontracting participation percentages.

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONSTRUCTOR OR DESIGNER	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>McGrath Consulting</u> Address: <u>PO Box 20205</u> City: <u>El Cajon</u> State: <u>CA</u> Zip: <u>92021</u> Phone: <u>619-250-2025</u>	Constructor	WPCP Monitoring	\$ 7,500.00	ELBE	City	
Name: <u>Airx Utility Surveyors, Inc.</u> Address: <u>2534 E. El Norte Parkway, Ste. C</u> City: <u>Escondido</u> State: <u>CA</u> Zip: <u>92027</u> Phone: <u>760-480-2347</u>	Constructor	Locate Sewer Laterals	\$13,185.00	SLBE	City	
Name: <u>Vic Salazar Communications</u> Address: <u>2514 Jamacha Rd., #502-21</u> City: <u>El Cajon</u> State: <u>CA</u> Zip: <u>92019</u> Phone: <u>619-517-4744</u>	Constructor	Community Liason, Preconstruction Video	\$54,475.00	ELBE	City	

ⓐ As appropriate, The 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, The 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 may not receive any subcontracting participation percentages if the Design Builder fails to submit the required proof of certification.

Form Title: DESIGN-BUILD LIST OF SUBCONTRACTORS TO BE INCLUDED IN THE PRICE PROPOSAL ONLY

Form Number: AA05

Attachment D

Multiple Award Construction Contract (MAcc) for Sewer & Water Group 814

PROPOSAL DOCUMENTS

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

In accordance with the requirements provided in the "Subletting and Subcontracting Fair Practices Act", Division 2, Part 1, Chapter 4 of the Public Contract Code, the Design-Builder shall 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 Proposal. The Design-Builder shall also list below the portion of the work which will be done by each Subcontractor. The Design-Builder shall list only one Subcontractor for each portion of the Work. The **DOLLAR VALUE** of the total Proposal to be performed shall be stated for all Subcontractors listed. Failure to comply with this requirement may result in the Proposal being rejected as **non-responsive** and ineligible for award. The Design-Builder's attention is directed to the Special Provisions - General; Paragraph 2-3 Subcontracts, which stipulates the percent of the Work to be performed with the Design-Builder's own forces. The Design-Builder shall list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors that the Design-Builder are seeking recognition towards achieving any mandatory, voluntary, or both subcontracting participation percentages.

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONSTRUCTOR OR DESIGNER	TYPE OF WORK	DOLLAR VALUE OF SUBCONTRACT	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB ^①	WHERE CERTIFIED ^②	CHECK IF JOINT VENTURE PARTNERSHIP
Name: <u>Seal Right Paving</u> Address: <u>PO Box 2753</u> City: <u>Spring Valley</u> State: <u>CA</u> Zip: <u>91979</u> Phone: <u>619-465-7411</u>	Constructor	AC Paving	\$323,935.00	SLBE	City	
Name: <u>PayCo Specialties</u> Address: <u>120 North Second Ave.</u> City: <u>Chula Vista</u> State: <u>CA</u> Zip: <u>91910-1127</u> Phone: <u>619-422-9204</u>	Constructor	Traffic Striping	\$ 42,680.00	WBE	CADoGS	
Name: <u>M. H. Hoffman Trucking</u> Address: <u>700 Martos Place</u> City: <u>Chula Vista</u> State: <u>CA</u> Zip: <u>91910</u> Phone: <u>619-559-4550</u>	Constructor	Trucking	\$419,000.00	ELBE	City	

- ① As appropriate, The Design-Builder shall identify Subcontractor as one of the following and shall include a valid proof of certification (except for OBE, SLBE and ELBE):
- | | | | |
|---|--------|--|---------|
| Certified Minority Business Enterprise | MBE | Certified Woman Business Enterprise | WBE |
| Certified Disadvantaged Business Enterprise | DBE | Certified Disabled Veteran Business Enterprise | DVBE |
| Other Business Enterprise | OBE | Certified Emerging Local Business Enterprise | ELBE |
| Certified Small Local Business Enterprise | SLBE | Small Disadvantaged Business | SDB |
| Woman-Owned Small Business | WoSB | HUBZone Business | HUBZone |
| Service-Disabled Veteran Owned Small Business | SDVOSB | | |
- ② As appropriate, The Design-Builder shall indicate if Subcontractor is certified by:
- | | | | |
|--|--------|--|----------|
| City of San Diego | CITY | State of California Department of Transportation | CALTRANS |
| California Public Utilities Commission | CPUC | San Diego Regional Minority Supplier Diversity Council | SRMSDC |
| State of California's Department of General Services | CADoGS | City of Los Angeles | LA |
| State of California | CA | U.S. Small Business Administration | SBA |
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Form Title: DESIGN-BUILD LIST OF SUBCONTRACTORS TO BE INCLUDED IN THE PRICE PROPOSAL ONLY
 Form Number: AA05
 Attachment D
 Multiple Award Construction Contract (MACC) for Sewer & Water Group 814

PROPOSAL DOCUMENTS

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

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NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONSTRUCTOR OR DESIGNER	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>Coastal Pipeline Services</u> Address: <u>PO Box 235653</u> City: <u>Encinitas</u> State: <u>CA</u> Zip: <u>92023</u> Phone: <u>760-828-5174</u>	Constructor	Video Inspection	\$9,800.00	ELBE	City	
Name: <u>R.B. Structural Concrete</u> Address: <u>1850 Via Del Torrie</u> City: <u>Alpine</u> State: <u>CA</u> Zip: <u>91901</u> Phone: <u>619-659-8720</u>	Constructor	Concrete Paving	\$\$176,432.83	SLBE	City	
Name: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone: _____						

- ⓐ As appropriate, The 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, The Design-Builder shall indicate if Subcontractor is certified by:
- | | | | |
|--|--------|--|----------|
| City of San Diego | CITY | State of California Department of Transportation | CALTRANS |
| California Public Utilities Commission | CPUC | San Diego Regional Minority Supplier Diversity Council | SRMSDC |
| State of California's Department of General Services | CADoGS | City of Los Angeles | LA |
| State of California | CA | U.S. Small Business Administration | SBA |
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 Form Number: AA05
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 Multiple Award Construction Contract (MACC) for Sewer & Water Group 814

PROPOSAL DOCUMENTS

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NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONSTRUCTOR OR DESIGNER	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>David Evans & Assoc. , Inc.</u> Address: <u>401 B St., Ste. 410</u> City: <u>San Diego</u> State: <u>CA</u> Zip: <u>92101</u> Phone: <u>619-400-0604</u>	Designer	Engineering	\$280,109.00	OBE		
Name: <u>San Dieguito Engineering Inc.</u> Address: <u>4407 Manchester Ave., Ste. 105</u> City: <u>Encinitas</u> State: <u>CA</u> Zip: <u>92024</u> Phone: <u>760-753-5525</u>	Designer	Survey & Utility Mapping	\$11,960.00	SLBE	City	
Name: <u>SanCon Engineering, Inc.</u> Address: <u>5841 Engineer Dr.</u> City: <u>Huntington Beach</u> CA Zip: <u>92649</u> Phone: <u>714-891-2323</u>	Constructor	Sewer Pipe Rehab	\$35,480.00	OBE		

- [ⓐ] As appropriate, The 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, The Design-Builder shall indicate if Subcontractor is certified by:
- | | | | |
|--|--------|--|----------|
| City of San Diego | CITY | State of California Department of Transportation | CALTRANS |
| California Public Utilities Commission | CPUC | San Diego Regional Minority Supplier Diversity Council | SRMSDC |
| State of California's Department of General Services | CADoGS | City of Los Angeles | LA |
| State of California | CA | U.S. Small Business Administration | SBA |
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Multiple Award Construction Contract (MACC) for Sewer & Water Group 814

PROPOSAL DOCUMENTS

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NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONSTRUCTOR OR DESIGNER	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>RCE Traffic & Transportation Eng.</u> Address: <u>9255 Dillon Drive</u> City: <u>La Mesa</u> State: <u>CA</u> Zip: <u>91941</u> Phone: <u>619-589-9151</u>	Designer	Traffic Control Design	\$35,000.00	SLBE	City	
Name: <u>McGrath Consulting</u> Address: <u>PO Box 20205</u> City: <u>El Cajon</u> State: <u>CA</u> Zip: <u>92021</u> Phone: <u>619-250-2025</u>	Designer	SWPP Plan	\$1,500.00	ELBE	City	
Name: <u>PARC Civil, Inc.</u> Address: <u>301 Mission Ave., Ste. 202</u> City: <u>Oceanside</u> State: <u>CA</u> Zip: <u>92054</u> Phone: <u>760-518-6266</u>	Designer	Design Support	\$5,000.00	DVBE	CADoGS	

- ⓐ As appropriate, The 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, The 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 may not receive any subcontracting participation percentages if the Design Builder fails to submit the required proof of certification.

Form Title: DESIGN-BUILD LIST OF SUBCONTRACTORS TO BE INCLUDED IN THE PRICE PROPOSAL ONLY

Form Number: AA05

Attachment D

Multiple Award Construction Contract (MACC) for Sewer & Water Group 814

PROPOSAL DOCUMENTS

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

The Design-Builder seeking the recognition of equipment, materials, or supplies obtained from Suppliers towards achieving any mandatory, voluntary, or both subcontracting participation percentages shall submit with the Proposal the Named Equipment/Material Supplier List. The Named Equipment/Material Supplier List, at a minimum, shall have the name, locations (City) and the **DOLLAR VALUE** of the Suppliers. The Design-Builder will be credited up to 60% of the amount to be paid to the Suppliers for such materials/supplies unless vendor manufactures or substantially alters materials/supplies in which case 100% will be credited. The Design-Builder shall indicate (Yes/No) whether listed firm is a supplier or manufacturer. In calculating the subcontractor participation percentages, vendors/suppliers will receive 60% credit of the listed **DOLLAR VALUE**, whereas manufacturers will receive 100% credit. If no indication provided, listed firm will be credited at 60% of the listed **DOLLAR VALUE** for purposes of calculating the subcontractor participation percentages. Suppliers will receive 60% credit of the listed **DOLLAR VALUE**, whereas manufacturers will receive 100% credit. If no indication provided, listed firm will be credited at 60% of the listed **DOLLAR VALUE** for purposes 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: <u>Acme Safety & Supply</u> Address: <u>1616 West Ave.</u> City: <u>National City</u> State: <u>CA</u> Zip: _____ Phone: <u>619-299-5100</u>	Traffic Control Materials	\$11,858.00	No	Yes	SLBE	City
Name: <u>J Cloud Inc</u> Address: <u>2094 Willow Glen Dr.</u> City: <u>El Cajon</u> State: <u>CA</u> Zip: <u>92019</u> Phone: <u>619-593-9020</u>	Sand	\$17,448.00	Yes	No	SLBE	City
Name: <u>Draves Pipeline</u> Address: <u>PO Box 1051</u> City: <u>Bonsall</u> State: <u>CA</u> Zip: <u>92003</u> Phone: <u>760-728-7094</u>	PVC Pipe	\$300,00.00	Yes	No	DVBE	CADoGS

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

Form Title: DESIGN-BUILD NAMED EQUIPMENT/MATERIAL SUPPLIER LIST TO BE INCLUDED IN THE PRICE PROPOSAL ONLY

Form Number: AA25

Attachment D

Multiple Award Construction Contract (MAcc) for Sewer & Water Group 814