

ORIGINAL

City of San Diego

CONTRACTOR'S NAME: Blue Pacific Engineering & construction
ADDRESS: 7330 Opportunity Road, Suite J, San Diego, CA 92111
TELEPHONE NO.: 858-956-1465 FAX NO.: 619-291-0482
CITY CONTACT: Michelle Muñoz Contract Specialist, Email: MichelleM@sandiego.gov
Phone No. (619) 533-3482, Fax No. (619) 533-3633
CCrown/RWBustamante/Lad

BIDDING DOCUMENTS



e - Bidding FOR

South Mission Valley Trunk Sewer Accelerated Project

BID NO.: L-16-1358-DBB-2
SAP NO. (WBS/IO/CC): B-14068
CLIENT DEPARTMENT: 2011
COUNCIL DISTRICT: 7
PROJECT TYPE: JB

THIS CONTRACT IS SUBJECT TO THE FOLLOWING:

- PHASED-FUNDING
- THE CITY'S SUBCONTRACTING PARTICIPATION REQUIREMENTS FOR SLBE PROGRAM.
- COMPETITION RESTRICTED TO: SLBE-ELBE or ELBE FIRMS ONLY .
- PREVAILING WAGE RATES: STATE FEDERAL
- APPRENTICESHIP

BID DUE DATE:

**1:30 PM
JUNE 7, 2016
CITY OF SAN DIEGO
PUBLIC WORKS CONTRACTS
1010 SECOND AVENUE, 14th FLOOR, MS 614C
SAN DIEGO, CA 92101**

2016 JUN 24 PM12:30:03

MC

ENGINEER OF WORK

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

S. Bose
For City Engineer

4/28/16
Date

Seal



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CITY OF SAN DIEGO, CALIFORNIA

NOTICE INVITING BIDS

1. **SUMMARY OF WORK:** This is the City of San Diego's (City) solicitation process to acquire Construction services for **South Mission Valley Trunk Sewer Accelerated Project**. For additional information refer to Attachment A.
2. **LIMITED COMPETITION:** This contract may only be bid by the Contractors on the City's approved Prequalified Contractor's List **and** SLBE-ELBE Construction Limited Competition Contractors List in accordance with the designation stated on the cover page. For information regarding the SLBE-ELBE Construction Program and registration visit the City's web site: <http://www.sandiego.gov>.
3. **ESTIMATED CONSTRUCTION COST:** The City's estimated construction cost for this project is \$332,000.00.
4. **BID DUE DATE AND TIME ARE:** JUNE 7, 2016, at 1:30 PM.
5. **PREVAILING WAGE RATES APPLY TO THIS CONTRACT:** Refer to Attachment D.
6. **LICENSE REQUIREMENT:** The City has determined that the following licensing classifications are required for this contract: A or C34 or C42
7. **SUBCONTRACTING PARTICIPATION PERCENTAGES**
 - 7.1. The City has incorporated voluntary subcontractor participation percentage to enhance competition and maximize subcontracting opportunities as follows.
 - 7.2. The following voluntary subcontractor participation percentage for DBE, DVBE, WBE, MBE, SLBE, and ELBE certified Subcontractors shall apply to this contract:

**Total voluntary subcontractor participation percentage for this project is
22.3%.**
8. **PRE-BID MEETING:**
 - 8.1. Prospective Bidders are encouraged to attend the Pre-Bid Meeting. The purpose of the meeting is to discuss the scope of the Project, submittal requirements, the pre-qualification process and any Equal Opportunity Contracting Program requirements and reporting procedures. To request a sign language or oral interpreter for this visit, call the Public Works Contracts Division at (619) 533-3450 at least 5 Working Days prior to the meeting to ensure availability. The Pre-Bid meeting is scheduled as follows:

Date: May 19, 2016
Time: at 10:00 AM
Location: 1010 Second Avenue, Suite 1400, San Diego, CA 92101

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

9. AWARD PROCESS:

- 9.1.** The Award of this contract is contingent upon the Contractor's compliance with all conditions of Award as stated within these documents and within the Notice of Intent to Award.
- 9.2.** Upon acceptance of a Bid, the City will prepare contract documents for execution within approximately 21 days of the date of the Bid opening. The City will then award the Contract within approximately 14 days of receipt of properly signed Contract, bonds, and insurance documents.
- 9.3.** This contract will be deemed executed and effective only upon the signing of the Contract by the Mayor or his designee and approval as to form the City Attorney's Office.
- 9.4.** The low Bid will be determined by Base Bid alone
- 9.5.** Once the low bid has been determined, the City may, at its sole discretion, award the contract for the Base bid alone.

10. SUBMISSION OF QUESTIONS:

- 10.1.** The Director (or designee), of the Public Works Department is the officer responsible for opening, examining, and evaluating the competitive Bids submitted to the City for the acquisition, construction and completion of any public improvement except when otherwise set forth in these documents. All questions related to this solicitation shall be submitted to:

Public Works Contracts
1010 Second Avenue, 14th Floor
San Diego, California, 92101
Attention: Michelle Muñoz – Contract Specialist

OR:

MichelleM@sandiego.gov

- 10.2.** Questions received less than 14 days prior to the date for opening of Bids may not be considered.
- 10.3.** Questions or clarifications deemed by the City to be material shall be answered via issuance of an addendum and posted to the City's online bidding service.

- 10.4.** Only questions answered by formal written addenda shall be binding. Oral and other interpretations or clarifications shall be without legal effect. It is the Bidder's responsibility to be informed of any addenda that have been issued and to include all such information in its Bid.

INSTRUCTIONS TO BIDDERS

1. PREQUALIFICATION OF CONTRACTORS:

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

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

- 1.2. The completed application must be submitted online no later than 2 weeks prior to the bid opening. For additional information or the answer to questions about the prequalification program, contact David Stucky at 619-533-3474 or dstucky@sandiego.gov.
- 1.3. Due to the City's fiduciary requirement to safeguard vendor data, City staff will not be able to provide information regarding contractors' prequalification status over the telephone. Contractors may access real-time information about their prequalification status via their vendor profile on PlanetBidsTM.

2. ELECTRONIC FORMAT RECEIPT AND OPENING OF BIDS: Bids will be received in electronic format (eBids) EXCLUSIVELY at the City of San Diego's electronic bidding (eBidding) site, at: <http://www.sandiego.gov/cip/bidopps/index.shtml> and are due by the date, and time shown on the cover of this solicitation.

- 2.1. BIDDERS MUST BE PRE-REGISTERED with the City's bidding system and possess a system-assigned Digital ID in order to submit and electronic bid.
- 2.2. The City's bidding system will automatically track information submitted to the site including IP addresses, browsers being used and the URLs from which information was submitted. In addition, the City's bidding system will keep a history of every login instance including the time of login, and other information about the user's computer configuration such as the operating system, browser type, version, and more. Because of these security features, Contractors who disable their browsers' cookies will not be able to log in and use the City's bidding system.
- 2.3. The City's electronic bidding system is responsible for bid tabulations. Upon the bidder's or proposer's entry of their bid, the system will ensure that all required fields are entered. **The system will not accept a bid for which any required information is missing.** This includes all necessary pricing, subcontractor listing(s) and any other essential documentation and supporting materials and forms requested or contained in these solicitation documents.
- 2.4. BIDS REMAIN SEALED UNTIL BID DEADLINE. eBids are transmitted into the City's bidding system via hypertext transfer protocol secure (https) mechanism using

SSL 128-256 bit security certificates issued from Verisign/Thawte which encrypts data being transferred from client to server. Bids submitted prior to the "Bid Due Date and Time" are not available for review by anyone other than the submitter which has until the "Bid Due Date and Time" to change, rescind or retrieve its proposal should it desire to do so.

- 2.5. BIDS MUST BE SUBMITTED BY BID DUE DATE AND TIME. Once the bid deadline is reached, no further submissions are accepted into the system. Once the Bid Due Date and Time has lapsed, bidders, proposers, the general public, and City staff are able to immediately see the results on line. City staff may then begin reviewing the submissions for responsiveness, EOCB compliance and other issues. The City may require any Bidder to furnish statement of experience, financial responsibility, technical ability, equipment, and references.
- 2.6. RECAPITULATION OF THE WORK. Bids shall not contain any recapitulation of the Work. Conditional Bids may be rejected as being non-responsive. Alternative proposals will not be considered unless called for.
- 2.7. BIDS MAY BE WITHDRAWN by the Bidder only up to the bid due date and time.
 - 2.7.1. Important Note: Submission of the electronic bid into the system may not be instantaneous. Due to the speed and capabilities of the user's internet service provider (ISP), bandwidth, computer hardware and other variables, it may take time for the bidder's submission to upload and be received by the City's eBidding system. It is the bidder's sole responsibility to ensure their bids are received on time by the City's eBidding system. The City of San Diego is not responsible for bids that do not arrive by the required date and time.
- 2.8. ACCESSIBILITY AND AMERICANS WITH DISABILITIES ACT (ADA) COMPLIANCE. : To request a copy of this solicitation in an alternative format, contact the Public Works Contract Specialist listed in the cover of this solicitation at least five (5) working days prior to the Bid/Proposal due date to ensure availability.

3. ELECTRONIC BID SUBMISSIONS CARRY FULL FORCE AND EFFECT

- 3.1. The bidder, by submitting its electronic bid, acknowledges that doing so carries the same force and full legal effect as a paper submission with a longhand (wet) signature.
- 3.2. By submitting an electronic bid, the bidder certifies that the bidder has thoroughly examined and understands the entire Contract Documents (which consist of the plans and specifications, drawings, forms, affidavits and the solicitation documents), and that by submitting the eBid as its bid proposal, the bidder acknowledges, agrees to and is bound by the entire Contract Documents, including any addenda issued thereto, and incorporated by reference in the Contract Documents.
- 3.3. The Bidder, by submitting its electronic bid, agrees to and certifies under penalty of perjury under the laws of the State of California, that the certification, forms and affidavits submitted as part of this bid are true and correct.

- 3.4. The Bidder agrees to the construction of the project as described in Attachment "A-Scope of Work" for the City of San Diego, in accordance with the requirements set forth herein for the electronically submitted prices. The Bidder guarantees the Contract Price for a period of 120 days (90 days for federally funded contracts and contracts valued at \$500,000 or less) from the date of Bid opening. The duration of the Contract Price guarantee shall be extended by the number of days required for the City to obtain all items necessary to fulfill all conditions precedent.
4. **BIDS ARE PUBLIC RECORDS:** Upon receipt by the City, Bids shall become public records subject to public disclosure. It is the responsibility of the respondent to clearly identify any confidential, proprietary, trade secret or otherwise legally privileged information contained within the Bid. General references to sections of the California Public Records Act (PRA) will not suffice. If the Contractor does not provide applicable case law that clearly establishes that the requested information is exempt from the disclosure requirements of the PRA, the City shall be free to release the information when required in accordance with the PRA, pursuant to any other applicable law, or by order of any court or government agency, and the Contractor will hold the City harmless for release of this information.
5. **CONTRACTOR REGISTRATION AND ELECTRONIC REPORTING SYSTEM:**
- 5.1. **Prior** to the Award of the Contract or Task Order, you and your Subcontractors and Suppliers must register with the City's web-based vendor registration and bid management system. For additional information go to:
- <http://www.sandiego.gov/purchasing/bids-contracts/vendorreg.shtml>.
- 5.2. The City may not award the contract until registration of all subcontractors and suppliers is complete. In the event this requirement is not met within the time frame specified in the Notice of Intent to Award letter, the City reserves the right to rescind the Notice of Award / Intent to Award and to make the award to the next responsive and responsible bidder / proposer.
6. **JOINT VENTURE CONTRACTORS:** Provide a copy of the Joint Venture agreement and the Joint Venture license to the City within 10 Working Days after receiving the Contract forms. See 2-1.1.2, "Joint Venture Contractors" in The WHITEBOOK for details.
7. **PREVAILING WAGE RATES WILL APPLY:** Refer to Attachment D.
8. **SUBCONTRACTING PARTICIPATION PERCENTAGES:** Subcontracting participation percentages apply to this contract. Refer to Attachment E.
9. **INSURANCE REQUIREMENTS:**
- 9.1. All certificates of insurance and endorsements required by the contract are to be provided upon issuance of the City's Notice of Intent to Award letter.

9.2. Refer to sections 7-3, "LIABILITY INSURANCE", and 7-4, "WORKERS' COMPENSATION INSURANCE" of the Supplementary Special Provisions (SSP) for the insurance requirements which must be met.

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

Title	Edition	Document Number
Standard Specifications for Public Works Construction ("The GREENBOOK")	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 - Updates Approved For Use (when specified)*	Varies	Varies
Standard Federal Equal Employment Opportunity Construction Contract Specifications and the Equal Opportunity Clause Dated 09-11-84	1984	769023
NOTE: *Available online under Engineering Documents and References at: http://www.sandiego.gov/publicworks/edocref/index.shtml		

11. **CITY'S RESPONSES AND ADDENDA:** The City, at its discretion, may respond to any or all questions submitted in writing via the City's eBidding web site in the **form of an addendum**. No other responses to questions, oral or written shall be of any force or effect with respect to this solicitation. The changes to the Contract Documents through addendum are made effective as though originally issued with the Bid. The Bidders shall acknowledge the receipt of Addenda at the time of bid submission.

12. **CITY'S RIGHTS RESERVED:** The City reserves the right to cancel the Notice Inviting Bids at any time, and further reserves the right to reject submitted Bids, without giving any reason for such action, at its sole discretion and without liability. Costs incurred by the Bidder(s) as a result of preparing Bids under the Notice Inviting Bids shall be the sole responsibility of each bidder. The Notice Inviting Bids creates or imposes no obligation upon the City to enter a contract.

13. **CONTRACT PRICING:** This solicitation is for a Lump Sum contract with Unit Price provisions as set forth herein. The Bidder agrees to perform construction services for the City of San Diego in accordance with these contract documents for the prices listed below. The Bidder further agrees to guarantee the Contract Price for a period of 120 days from the date of Bid opening. The duration of the Contract Price guarantee may be extended, by mutual consent

of the parties, by the number of days required for the City to obtain all items necessary to fulfill all contractual conditions.

14. SUBCONTRACTOR INFORMATION:

14.1. **LISTING OF SUBCONTRACTORS.** In accordance with the requirements provided in the "Subletting and Subcontracting Fair Practices Act" of the California Public Contract Code, the Bidder shall provide the **NAME** and **ADDRESS** of each Subcontractor who will perform work, labor, render services or who specially fabricates and installs a portion [type] of the work or improvement, in an amount in excess of 0.5% of the Contractor's total Bid. The Bidder shall also state within the description, whether the subcontractor is a **CONSTRUCTOR, CONSULTANT** or **SUPPLIER**. The Bidder shall further state within the description, the **PORTION** of the work which will be performed by each subcontractor under this Contract. The Contractor shall list only one Subcontractor for each portion of the Work. The **DOLLAR VALUE** of the total Bid to be performed shall be stated for all subcontractors listed. Failure to comply with this requirement may result in the Bid being rejected as **non-responsive** and ineligible for award. The Bidder's attention is directed to the Special Provisions - General; Paragraph 2-3 Subcontracts, which stipulates the percent of the Work to be performed with the Bidders' own forces. The Bidder shall list all SLBE, ELBE, DBE, DVBE, MBE, WBE, OBE, SDB, WoSB, HUBZone, and SDVOSB Subcontractors for which Bidders are seeking recognition towards achieving any mandatory, voluntary (or both) subcontracting participation goals.

14.2. **LISTING OF SUPPLIERS.** Any Bidder seeking the recognition of Suppliers of equipment, materials, or supplies obtained from third party Suppliers towards achieving any mandatory or voluntary (or both) subcontracting participation goals shall provide, at a minimum, the **NAME, LOCATION (CITY)** and the **DOLLAR VALUE** of each supplier. The Bidder will be credited up to 60% of the amount to be paid to the Suppliers for materials and supplies unless vendor manufactures or substantially alters materials and supplies, in which case, 100% will be credited. The Bidder is to indicate within the description whether the listed firm is a supplier or manufacturer. If no indication is provided, the listed firm will be credited at 60% of the listed dollar value for purposes of calculating the Subcontractor Participation Percentage.

14.3. **LISTING OF SUBCONTRACTORS OR SUPPLIERS FOR ALTERNATES.** For subcontractors or suppliers to be used on additive or deductive alternate items, in addition to the above requirements, bidder shall further note "ALTERNATE" and alternate item number within the description.

15. SUBMITTAL OF "OR EQUAL" ITEMS: See Section 4-1.6, "Trade Names or Equals" in The WHITEBOOK and as amended in the SSP.

16. AWARD PROCESS:

- 16.1. The Award of this contract is contingent upon the Contractor's compliance with all conditions precedent to Award.
- 16.2. Upon acceptance of a Bid, the City will prepare contract documents for execution within approximately 21 days of the date of the Bid opening and award the Contract approximately within 7 days of receipt of properly executed Contract, bonds, and insurance documents.
- 16.3. This contract will be deemed executed and effective only upon the signing of the Contract by the Mayor or his designee and approval as to form the City Attorney's Office.
17. **SUBCONTRACT LIMITATIONS:** The Bidder's attention is directed to Standard Specifications for Public Works Construction, Section 2-3, "SUBCONTRACTS" in The GREENBOOK and as amended in the SSP which requires the Contractor to self-perform not less than the specified amount. Failure to comply with this requirement shall render the bid **non-responsive** and ineligible for award.
18. **AVAILABILITY OF PLANS AND SPECIFICATIONS:** Contract Documents may be obtained by visiting the City's website: <http://www.sandiego.gov/cip/>. Plans and Specifications for this contract are also available for review in the office of the City Clerk or Public Works Contracts.
19. **ONLY ONE BID PER CONTRACTOR SHALL BE ACCEPTED:** No person, firm, or corporation shall be allowed to make, file, or be interested in more than one (1) Bid for the same work unless alternate Bids are called for. A person, firm or corporation who has submitted a sub-proposal to a Bidder, or who has quoted prices on materials to a Bidder, is not hereby disqualified from submitting a sub-proposal or quoting prices to other Bidders or from submitting a Bid in its own behalf. Any Bidder who submits more than one bid will result in the rejection of all bids submitted.
20. **SAN DIEGO BUSINESS TAX CERTIFICATE:** The Contractor and Subcontractors, not already having a City of San Diego Business Tax Certificate for the work contemplated shall secure the appropriate certificate from the City Treasurer, Civic Center Plaza, first floor and submit to the Contract Specialist upon request or as specified in the Contract Documents. Tax Identification numbers for both the Bidder and the listed Subcontractors must be submitted on the City provided forms within these documents.
21. **BIDDER'S GUARANTEE OF GOOD FAITH (BID SECURITY):**
- 21.1. For bids \$250,000 and above, bidders shall submit Bid Security at bid time. Bid Security shall be in one of the following forms: a cashier's check, or a properly certified check upon some responsible bank; or an approved corporate surety bond payable to the City of San Diego for an amount of not less than 10% of the total bid amount.
- 21.2. This check or bond, and the monies represented thereby, will be held by the City as a guarantee that the Bidder, if awarded the contract, will in good faith enter into the contract and furnish the required final performance and payment bonds.

- 21.3. The Bidder agrees that in the event of the Bidder's failure to execute this contract and provide the required final bonds, the money represented by the cashier's or certified check will remain the property of the City; and the Surety agrees that it will pay to the City the damages, not exceeding the sum of 10% of the amount of the Bid, that the City may suffer as a result of such failure.
- 21.4. At the time of bid submission, bidders must upload and submit an electronic PDF copy of the aforementioned bid security. Whether in the form of a cashier's check, a properly certified check or an approved corporate surety bond payable to the City of San Diego, the bid security must be uploaded to the City's eBidding system. Within twenty-four (24) hours after the bid due date and time, the first five (5) apparent low bidders must provide the City with the original bid security.
- 21.5. Failure to submit the electronic version of the bid security at the time of bid submission AND failure to provide the original within twenty-four (24) hours may cause the bid to be rejected and deemed **non-responsive**.

22. AWARD OF CONTRACT OR REJECTION OF BIDS:

- 22.1. This contract may be awarded to the lowest responsible and reliable Bidder.
- 22.2. Bidders shall complete ALL eBid forms as required by this solicitation. Incomplete eBids will not be accepted.
- 22.3. The City reserves the right to reject any or all Bids, to waive any informality or technicality in Bids received, and to waive any requirements of these specifications as to bidding procedure.
- 22.4. Bidders will not be released on account of their errors of judgment. Bidders may be released only upon receipt by the City within 3 Working Days of the bid opening, written notice from the Bidder which shows proof of honest, credible, clerical error of a material nature, free from fraud or fraudulent intent; and of evidence that reasonable care was observed in the preparation of the Bid.
- 22.5. A bidder who is not selected for contract award may protest the award of a contract to another bidder by submitting a written protest in accordance with the San Diego Municipal Code.
- 22.6. The City of San Diego will not discriminate in the award of contracts with regard to race, religion creed, color, national origin, ancestry, physical handicap, marital status, sex or age.
- 22.7. Each Bid package properly signed as required by these specifications shall constitute a firm offer which may be accepted by the City within the time specified herein.
- 22.8. The City reserves the right to evaluate all Bids and determine the lowest Bidder on the basis of the base bid and any proposed alternates or options as detailed herein.

23. BID RESULTS:

- 23.1. The availability of the bids on the City's eBidding system shall constitute the public announcement of the apparent low bidder. In the event that the apparent low bidder is subsequently deemed non-responsive or non-responsible, a notation of such will be made on the eBidding system. The new ranking and apparent low bidder will be adjusted accordingly.
- 23.2. To obtain the bid results, view the results on the City's web site, or request the results by U.S. mail and provide a self-addressed, stamped envelope. If requesting by mail, be sure to reference the bid name and number. The bid tabulations will be mailed to you upon their completion. The results will not be given over the telephone.

24. THE CONTRACT:

- 24.1. The Bidder to whom award is made shall execute a written contract with the City of San Diego and furnish good and approved bonds and insurance certificates specified by the City within 14 days after receipt by Bidder of a form of contract for execution unless an extension of time is granted to the Bidder in writing.
- 24.2. If the Bidder takes longer than 14 days to fulfill these requirements, then the additional time taken shall be added to the Bid guarantee. The Contract shall be made in the form adopted by the City, which includes the provision that no claim or suit whatsoever shall be made or brought by Contractor against any officer, agent, or employee of the City for or on account of anything done or omitted to be done in connection with this contract, nor shall any such officer, agent, or employee be liable hereunder.
- 24.3. If the Bidder to whom the award is made fails to enter into the contract as herein provided, the award may be annulled and the Bidder's Guarantee of Good Faith will be subject to forfeiture. An award may be made to the next lowest responsible and reliable Bidder who shall fulfill every stipulation embraced herein as if it were the party to whom the first award was made.
- 24.4. Pursuant to the San Diego City Charter section 94, the City may only award a public works contract to the lowest responsible and reliable Bidder. The City will require the Apparent Low Bidder to (i) submit information to determine the Bidder's responsibility and reliability, (ii) execute the Contract in form provided by the City, and (iii) furnish good and approved bonds and insurance certificates specified by the City within 14 Days, unless otherwise approved by the City, in writing after the Bidder receives notification from the City, designating the Bidder as the Apparent Low Bidder and formally requesting the above mentioned items.
- 24.5. The award of the Contract is contingent upon the satisfactory completion of the above mentioned items and becomes effective upon the signing of the Contract by the Mayor or designee and approval as to form the City Attorney's Office. If the Apparent Low Bidder does not execute the Contract or submit required documents and information, the City may award the Contract to the next lowest responsible and reliable Bidder who shall fulfill every condition precedent to award. A corporation designated as the

Apparent Low Bidder shall furnish evidence of its corporate existence and evidence that the officer signing the Contract and bond for the corporation is duly authorized to do so.

- 25. EXAMINATION OF PLANS, SPECIFICATIONS, AND SITE OF WORK:** The Bidder shall examine carefully the Project Site, the Plans and Specifications, other materials as described in the Special Provisions, Section 2-7, and the proposal forms (e.g., Bidding Documents). The submission of a Bid shall be conclusive evidence that the Bidder has investigated and is satisfied as to the conditions to be encountered, as to the character, quality, and scope of Work, the quantities of materials to be furnished, and as to the requirements of the Bidding Documents Proposal, Plans, and Specifications.
- 26. CITY STANDARD PROVISIONS:** This contract is subject to the following standard provisions. See The WHITEBOOK for details.
- 26.1. The City of San Diego Resolution No. R-277952 adopted on May 20, 1991 for a Drug-Free Workplace.
 - 26.2. The City of San Diego Resolution No. R-282153 adopted on June 14, 1993 related to the Americans with Disabilities Act.
 - 26.3. The City of San Diego Municipal Code §22.3004 for Pledge of Compliance.
 - 26.4. The City of San Diego's Labor Compliance Program and the State of California Labor Code §§1771.5(b) and 1776.
 - 26.5. 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.
 - 26.6. The City's Equal Benefits Ordinance (EBO), Chapter 2, Article 2, Division 43 of The San Diego Municipal Code (SDMC).
 - 26.7. The City's Information Security Policy (ISP) as defined in the City's Administrative Regulation 90.63.
- 27. PRE-AWARD ACTIVITIES:**
- 27.1. The contractor selected by the City to execute a contract for this Work shall submit the required documentation as specified in the herein and in the Notice of Award. Failure to provide the information as specified may result in the Bid being rejected as **non-responsive**.
 - 27.2. The decision that bid is non-responsive for failure to provide the information required within the time specified shall be at the sole discretion of the City.

PERFORMANCE BOND, LABOR AND MATERIALMEN'S BOND

FAITHFUL PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND:

Blue Pacific Engineering & Construction, a corporation, as principal, and NORTH AMERICAN SPECIALTY INSURANCE COMPANY, a corporation authorized to do business in the State of California, as Surety, hereby obligate themselves, their successors and assigns, jointly and severally, to The City of San Diego a municipal corporation in the sum of Three Hundred Seventy Eight Thousand Six Hundred Fifty Nine Dollars and 00/100 (\$378,659.00) for the faithful performance of the annexed contract, and in the sum of Three Hundred Seventy Eight Thousand Six Hundred Fifty Nine Dollars and 00/100 (\$378,659.00) for the benefit of laborers and materialmen designated below.

Conditions:

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

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

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

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

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

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

Dated JUNE 22, 2016

Approved as to Form

BLUE PACIFIC ENGINEERING & CONSTRUCTION

Principal

By 

Shahram Elihu

Printed Name of Person Signing for Principal

Jan I. Goldsmith, City Attorney

By 

Deputy City Attorney

NORTH AMERICAN SPECIALTY INSURANCE COMPANY

Surety

By 

MARK D. IATAROLA, ATTORNEY-IN-FACT
Attorney-in-fact

Approved:

By: 

Michelle Muñoz
Contract Specialist
Public Works Department

6 HUTTON CENTRE DRIVE, SUITE 850

Local Address of Surety

SANTA ANA, CA 92707

Local Address (City, State) of Surety

714/550-7799

Local Telephone No. of Surety

Premium \$ 6,680.00

PREMIUM IS FOR CONTRACT TERM
AND IS SUBJECT TO ADJUSTMENT
BASED ON FINAL CONTRACT PRIC

Bond No. 2215020

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT

CIVIL CODE § 1189

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

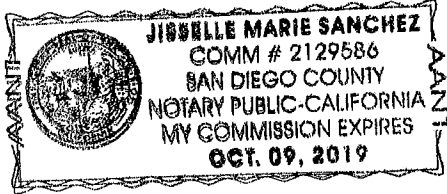
State of California)
County of SAN DIEGO)

On 06/22/2016 before me, JISSELLE MARIE SANCHEZ, NOTARY PUBLIC,
Date Here Insert Name and Title of the Officer
personally appeared MARK D. IATAROLA
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.



Signature *Jisselle Marie Sanchez*
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

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

Description of Attached Document

Title or Type of Document: _____ Document Date: _____

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

Capacity(ies) Claimed by Signer(s)

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

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

NAS SURETY GROUP

NORTH AMERICAN SPECIALTY INSURANCE COMPANY
WASHINGTON INTERNATIONAL INSURANCE COMPANY

GENERAL POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS, THAT North American Specialty Insurance Company, a corporation duly organized and existing under laws of the State of New Hampshire, and having its principal office in the City of Manchester, New Hampshire, and Washington International Insurance Company, a corporation organized and existing under the laws of the State of New Hampshire and having its principal office in the City of Schaumburg, Illinois, each does hereby make, constitute and appoint:

JOHN G. MALONEY, HELEN MALONEY, MICHELLE M. BASUIL,

and MARK D. IATAROLA

JOINTLY OR SEVERALLY

Its true and lawful Attorney(s)-in-Fact, to make, execute, seal and deliver, for and on its behalf and as its act and deed, bonds or other writings obligatory in the nature of a bond on behalf of each of said Companies, as surety, on contracts of suretyship as are or may be required or permitted by law, regulation, contract or otherwise, provided that no bond or undertaking or contract or suretyship executed under this authority shall exceed the amount of:

FIFTY MILLION (\$50,000,000.00) DOLLARS

This Power of Attorney is granted and is signed by facsimile under and by the authority of the following Resolutions adopted by the Boards of Directors of both North American Specialty Insurance Company and Washington International Insurance Company at meetings duly called and held on the 9th of May, 2012:

“RESOLVED, that any two of the Presidents, any Managing Director, any Senior Vice President, any Vice President, any Assistant Vice President, the Secretary or any Assistant Secretary be, and each or any of them hereby is authorized to execute a Power of Attorney qualifying the attorney named in the given Power of Attorney to execute on behalf of the Company bonds, undertakings and all contracts of surety, and that each or any of them hereby is authorized to attest to the execution of any such Power of Attorney and to attach therein the seal of the Company; and it is

FURTHER RESOLVED, that the signature of such officers and the seal of the Company may be affixed to any such Power of Attorney or to any certificate relating thereto by facsimile, and any such Power of Attorney or certificate bearing such facsimile signatures or facsimile seal shall be binding upon the Company when so affixed and in the future with regard to any bond, undertaking or contract of surety to which it is attached.”



By

Steven P. Anderson, Senior Vice President of Washington International Insurance Company
& Senior Vice President of North American Specialty Insurance Company



By

Michael A. Ito, Senior Vice President of Washington International Insurance Company
& Senior Vice President of North American Specialty Insurance Company

IN WITNESS WHEREOF, North American Specialty Insurance Company and Washington International Insurance Company have caused their official seals to be hereunto affixed, and these presents to be signed by their authorized officers this 17th day of September, 2015.

**North American Specialty Insurance Company
Washington International Insurance Company**

State of Illinois
County of Cook

ss:

On this 17th day of September, 2015, before me, a Notary Public personally appeared Steven P. Anderson, Senior Vice President of Washington International Insurance Company and Senior Vice President of North American Specialty Insurance Company and Michael A. Ito, Senior Vice President of Washington International Insurance Company and Senior Vice President of North American Specialty Insurance Company, personally known to me, who being by me duly sworn, acknowledged that they signed the above Power of Attorney as officers of and acknowledged said instrument to be the voluntary act and deed of their respective companies.



M. Kenny, Notary Public

I, Jeffrey Goldberg, the duly elected Assistant Secretary of North American Specialty Insurance Company and Washington International Insurance Company, do hereby certify that the above and foregoing is a true and correct copy of a Power of Attorney given by said North American Specialty Insurance Company and Washington International Insurance Company, which is still in full force and effect.

IN WITNESS WHEREOF, I have set my hand and affixed the seals of the Companies this 22nd day of JUNE, 2016.

Jeffrey Goldberg, Vice President & Assistant Secretary of
Washington International Insurance Company & North American Specialty Insurance Company

ATTACHMENTS

ATTACHMENT A
SCOPE OF WORK

SCOPE OF WORK

1. **SCOPE OF WORK:** The project proposes to install approximately 49 linear feet of new 21" sewer main, the rehabilitation of approximately 1,002 linear feet of existing 21-inch sewer main and approximately 613 linear feet of existing of 24-inch sewer main, and the rehabilitation of 4 existing manholes.
 - 1.1. The Work shall be performed in accordance with:
 - 1.1.1. The Notice Inviting Bids and Plans numbered **38099-01-D** through **38099-05-D** and **38099-T01-D** through **38099-T06-D**, inclusive.
2. **LOCATION OF WORK:** The location of the Work is as follows:

See Appendix E - Location Map attached.
3. **CONTRACT TIME:** The Contract Time for completion of the Work shall be **45 Working Days**.

ATTACHMENT B
PHASED FUNDING PROVISIONS

PHASED FUNDING PROVISIONS

1. PHASED FUNDING:

- 1.1. 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 Bid opening date the Apparent Low Bidder must contact the Project Manager to discuss fund availability and the duration of the first phase and submit the Pre-Award Schedule to the City for approval and preparation of the first Phased Funding Schedule Agreement.
- 1.2. The Apparent Low Bidder will be required to provide a Pre-award Schedule in accordance with 6-1, "CONSTRUCTION SCHEDULE AND COMMENCEMENT OF THE WORK" and 9-3, "PAYMENT" prior to award of Contract.
- 1.3. If the Bid submitted by the Apparent Low Bidder is rejected by the City for any reason, then within 5 Working Days after receiving notice, the next Apparent Low Bidder must provide the Pre-Award Schedule. This process will continue until the City has selected the Apparent Low Bidder or have decided to reject all Bids.
- 1.4. The first Phased Funding Schedule Agreement must show the fund availability for the first phase. Within 22 Working Days from the date of the Bid Opening or notice to the next Apparent Low Bidder (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 Bidder as defined in the City's Municipal Code, §22.3003.
- 1.5. 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.
- 1.6. Your failure to perform the following may result in the Bid being rejected as **non-responsive**:
 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,
 2. revise the Pre-Award Schedule as requested by the City within the specified 22 Working Days timeframe, or
 3. execute the first Phased Funding Schedule Agreement within a day after receipt.

PHASED FUNDING SCHEDULE AGREEMENT

Check one:

- First Phased Funding Schedule Agreement
- Final Phased Funding Schedule Agreement

BID NUMBER: L-16-1358-DBB-2

CONTRACT OR TASK TITLE: South Mission Valley Trunk Sewer Accelerated Project

CONTRACTOR: Blue Pacific Engineering & Construction

Funding Phase	Phase Description	Phase Start	Phase Finish	Not-to-Exceed Amount
1	Construction activities associated with this contract and specifications.	NTP	NOC	\$378,659.00
Total				\$378,659.00

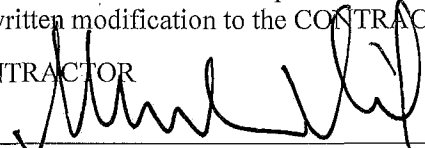
Notes:

- (1) City Supplement 9-3.6, "PHASED FUNDING COMPENSATION" applies.
- (2) The total of all funding phases shall be equal to the TOTAL BID PRICE as shown on BID SCHEDULE 1 - PRICES.
- (3) This PHASED FUNDING SCHEDULE AGREEMENT will be incorporated into the CONTRACT and shall only be revised by a written modification to the CONTRACT.

CITY OF SAN DIEGO

CONTRACTOR

By: CASEY CROWN

By: 

Name: 
Project Manager

Name: Shahram Elihu

Department Name: Public Works-Engineering

Title: Owner

Date: 11 JUL 2016

Date: June 20, 2016

-END OF PHASED FUNDING SCHEDULE AGREEMENT-

ATTACHMENT C
EQUAL OPPORTUNITY CONTRACTING PROGRAM

EQUAL OPPORTUNITY CONTRACTING PROGRAM REQUIREMENTS

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

D. CITY'S EQUAL OPPORTUNITY COMMITMENT.

1. Nondiscrimination in Contracting Ordinance.

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

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

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

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

sanctions provided for in the Nondiscrimination in Contracting Ordinance apply only to violations of the Ordinance.

E. EQUAL EMPLOYMENT OPPORTUNITY OUTREACH PROGRAM.

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

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

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

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

EEO Policy Statement in its subcontracts, and provides such documentation to the City upon request.

6. The Contractor documents and maintains a record of all bid solicitations and outreach efforts to and from subcontractors, contractor associations and other business associations.
7. The Contractor disseminates its EEO Policy externally through various media, including the media of people of color and women, in advertisements to recruit, maintains files documenting these efforts, and provides copies of these advertisements to the City upon request.
8. The Contractor disseminates its EEO Policy to union and community organizations.
9. The Contractor provides immediate written notification to the City when any union referral process has impeded the Contractor's efforts to maintain its EEO Policy.
10. The Contractor maintains a current list of recruitment sources, including those outreaching to people of color and women, and provides written notification of employment opportunities to these recruitment sources with a record of the organizations' responses.
11. The Contractor maintains a current file of names, addresses and phone numbers of each walk-in applicant, including people of color and women, and referrals from unions, recruitment sources, or community organizations with a description of the employment action taken.
12. The Contractor encourages all present employees, including people of color and women employees, to recruit others.
13. The Contractor maintains all employment selection process information with records of all tests and other selection criteria.
14. The Contractor develops and maintains documentation for on-the-job training opportunities, participates in training programs, or both for all of its employees, including people of color and women, and establishes apprenticeship, trainee, and upgrade programs relevant to the Contractor's employment needs.
15. The Contractor conducts, at least annually, an inventory and evaluation of all employees for promotional opportunities and encourages all employees to seek and prepare appropriately for such opportunities.
16. The Contractor ensures the company's working environment and activities are non-segregated except for providing separate or single-user toilets and necessary changing facilities to assure privacy between the sexes.

ATTACHMENT D
PREVAILING WAGES

PREVAILING WAGES

1. **PREVAILING WAGE RATES:** Pursuant to San Diego Municipal Code section 22.3019, construction, alteration, demolition, repair and maintenance work performed under this Contract is subject to State prevailing wage laws. For construction work performed under this Contract cumulatively exceeding \$25,000 and for alteration, demolition, repair and maintenance work performed under this Contract cumulatively exceeding \$15,000, the Contractor and its subcontractors shall comply with State prevailing wage laws including, but not limited to, the requirements listed below.
 - 1.1. **Compliance with Prevailing Wage Requirements.** Pursuant to sections 1720 through 1861 of the California Labor Code, the Contractor and its subcontractors shall ensure that all workers who perform work under this Contract are paid not less than the prevailing rate of per diem wages as determined by the Director of the California Department of Industrial Relations (DIR). This includes work performed during the design and preconstruction phases of construction including, but not limited to, inspection and land surveying work.
 - 1.1.1. Copies of such prevailing rate of per diem wages are on file at the City and are available for inspection to any interested party on request. Copies of the prevailing rate of per diem wages also may be found at <http://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>. Contractor and its subcontractors shall post a copy of the prevailing rate of per diem wages determination at each job site and shall make them available to any interested party upon request.
 - 1.1.2. The wage rates determined by the DIR refer to expiration dates. If the published wage rate does not refer to a predetermined wage rate to be paid after the expiration date, then the published rate of wage shall be in effect for the life of this Contract. If the published wage rate refers to a predetermined wage rate to become effective upon expiration of the published wage rate and the predetermined wage rate is on file with the DIR, such predetermined wage rate shall become effective on the date following the expiration date and shall apply to this Contract in the same manner as if it had been published in said publication. If the predetermined wage rate refers to one or more additional expiration dates with additional predetermined wage rates, which expiration dates occur during the life of this Contract, each successive predetermined wage rate shall apply to this Contract on the date following the expiration date of the previous wage rate. If the last of such predetermined wage rates expires during the life of this Contract, such wage rate shall apply to the balance of the Contract.
 - 1.2. **Penalties for Violations.** Contractor and its subcontractors shall comply with California Labor Code section 1775 in the event a worker is paid less than the prevailing wage rate for the work or craft in which the worker is employed.

- 1.3. Payroll Records.** Contractor and its subcontractors shall comply with California Labor Code section 1776, which generally requires keeping accurate payroll records, verifying and certifying payroll records, and making them available for inspection. Contractor shall require its subcontractors to also comply with section 1776. Contractor and its subcontractors shall submit weekly certified payroll records online via the City's web-based Labor Compliance Program. Contractor is responsible for ensuring its subcontractors submit certified payroll records to the City.
- 1.3.1.** For contracts entered into on or after April 1, 2015, Contractor and their subcontractors shall furnish records specified in Labor Code section 1776 directly to the Labor Commissioner in the manner required by Labor Code section 1771.4.
- 1.4. Apprentices.** Contractor and its subcontractors shall comply with California Labor Code sections 1777.5, 1777.6 and 1777.7 concerning the employment and wages of apprentices. Contractor is held responsible for the compliance of their subcontractors with sections 1777.5, 1777.6 and 1777.7.
- 1.5. Working Hours.** Contractor and their subcontractors shall comply with California Labor Code sections 1810 through 1815, including but not limited to: (i) restrict working hours on public works contracts to eight hours a day and forty hours a week, unless all hours worked in excess of 8 hours per day are compensated at not less than 1½ times the basic rate of pay; and (ii) specify penalties to be imposed on design professionals and subcontractors of \$25 per worker per day for each day the worker works more than 8 hours per day and 40 hours per week in violation of California Labor Code sections 1810 through 1815.
- 1.6. Required Provisions for Subcontracts.** Contractor shall include at a minimum a copy of the following provisions in any contract they enter into with a subcontractor: California Labor Code sections 1771, 1771.1, 1775, 1776, 1777.5, 1810, 1813, 1815, 1860 and 1861.
- 1.7. Labor Code Section 1861 Certification.** Contractor in accordance with California Labor Code section 3700 is required to secure the payment of compensation of its employees and by signing this Contract, Contractor certifies that "I am aware of the provisions of Section 3700 of the California Labor Code which require every employer to be insured against liability for workers' compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this Contract."
- 1.8. Labor Compliance Program.** The City has its own Labor Compliance Program authorized in August 2011 by the DIR. The City will withhold contract payments when payroll records are delinquent or deemed inadequate by the City or other governmental entity, or it has been established after an investigation by the City or other governmental entity that underpayment(s) have occurred. For questions or assistance, please contact the City of San Diego's Equal Opportunity Contracting Department

at 619-236-6000.

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

1.9.1. A Contractor's inadvertent error in listing a subcontractor who is not registered pursuant to Labor Code section 1725.5 in response to a solicitation shall not be grounds for filing a bid protest or grounds for considering the bid non-responsive provided that any of the following apply: (1) the subcontractor is registered prior to bid opening; (2) within twenty-four hours after the bid opening, the subcontractor is registered and has paid the penalty registration fee specified in Labor Code section 1725.5; or (3) the subcontractor is replaced by another registered subcontractor pursuant to Public Contract Code section 4107.

ATTACHMENT E
SUPPLEMENTARY SPECIAL PROVISIONS

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.

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 25% of the base bid alone or base bid and any additive or deductive alternate(s) that together when added or deducted form the basis of award.

2-5.3.1 General. To the City Supplement, ADD the following

7. For products for which an AML is available, products listed in the AML shall be used. A submittal review will be conducted for products not identified on an AML on a case-by-case basis when:
 - a) The product type or category is not in the AML.
 - b) The AML does not list at least two available manufacturers of the product.
 - c) The material or manufacturer listed in the AML is no longer available. Documentation to substantiate the product is no longer available or in production is required as part of the submittal.

In the case of conducting a submittal review when required by the Plans or Special Provisions, or when requested by the Engineer, all submittals shall be accompanied by the City's submittal form.

The Product Submittal Form is available for download at:

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

2-9.1 Permanent Survey Markers. To the City Supplement, DELETE in its entirety and SUBSTITUTE with the following:

1. Pursuant to Division 3, Chapter 15 of the Business and Professions Code, you shall not disturb survey monuments that "control the location of subdivisions, tracts, boundaries, roads, streets, or highways, or provide horizontal or vertical survey control" until they have been tied out by a Registered Land Surveyor or Registered Civil Engineer authorized to practice land surveying within the State of California.
2. Monument Preservation shall be performed by the City's Construction Management and Field Services (CMFS) Division on all Projects, unless permission is obtained for these services in writing by CMFS.
3. You shall submit to the Engineer a minimum of 7 Days prior to the start of the Work a list of controlling survey monuments which may be disturbed. CMFS shall do the following:
 - a) Set survey points outside the affected Work area that reference and locate each controlling survey monument that may be disturbed.
 - b) File a Corner Record or Record of Survey with the County Surveyor after setting the survey points to be used for re-establishment of the disturbed controlling survey monuments.
 - c) File a Corner Record of Record of Survey with the County Surveyor after re-establishment of the disturbed controlling survey monuments.

2-11.1.1 General. To the City Supplement, item 2, ADD the following:

Time lapse video robotic cameras shall provide a clear view of backfill and compaction operations. When this is not possible if camera is mounted on excavator, camera must be mounted on a portable tower or similar device and repositioned as Work progresses.

SECTION 4 - CONTROL OF MATERIALS

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

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

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

You must submit your list of proposed substitutions for “an equal” (“or equal”) item(s) no less than 15 Working Days prior to Bid due date and on the City’s Product Submittal Form available at:

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

4-1.10 Foreign Materials. To the City Supplement, DELETE in its entirety and SUBSTITUTE with the following:

1. Materials that are manufactured, produced, or fabricated outside of the United States shall be delivered to a distribution point in California, unless otherwise specified. Quality Control and related testing shall be performed to all applicable specified US standards. Manufacturer’s testing and staff certification shall be traceable to a United States regulatory agency. Retain the materials for a sufficient period of time to permit inspection, sampling, and testing. You shall not be entitled to an extension of time for acts or events occurring outside of, at point of entry, or during transport to the United States.

SECTION 5 - UTILITIES

5-2 PROTECTION. ADD the following:

1. You shall repair or replace traffic signal and lighting system equipment within 72 hours after notification of defects by the Engineer.
2. While working in or around meter boxes, you shall protect in place all Advanced Metering Infrastructure (AMI) devices attached to the water meter or located in or near water meter boxes, coffins, or vaults. This includes any antenna installed through the meter box lid.
 - a) Avoid damaging the antenna, cable, and endpoints when removing the meter box lid and when disconnecting AMI endpoints from the register on top of the water meter.
 - b) If meters or AMI devices need to be removed or relocated, the AMI endpoints shall be reinstalled with the Encoder/Receiver/Transmitter (ERT) pointing upwards.
 - c) Because the AMI equipment is uniquely matched to each service location and to specific meter serial numbers, any

AMI devices that are removed or disconnected shall be reinstalled on the same service lateral as well as to the same meter serial number it was attached to originally.

- d) Do not change or modify the lid if the lid has an antenna drilled through it.
- e) If you encounter damaged, disconnected, buried, or broken AMI endpoints, cables between the registers, antennae, lids, or ERTs, notify the Engineer within 24 hours.
- f) Any AMI equipment damaged by you shall be repaired or replaced by City Forces at your expense.

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

7-3.5.1.2 Primary and Non-Contributory Coverage. The policy 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.

7-4 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.

7-10.5.3 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 Supplement, 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.

7-16 COMMUNITY LIAISON. To the City Supplement, DELETE in its entirety and SUBSTITUTE with the following:

ADD:

7-16 COMMUNITY OUTREACH.

7-16.1 General.

1. To ensure consistency with the City's community outreach plan for the project, the City shall work with you to inform the public (which includes, but shall not be limited to, property owners, renters, homeowners, business owners, recreational users, and other community members and stakeholders) of construction impacts. Your efforts to mitigate construction impacts by communicating with the public require close coordination and cooperation with the City.
2. You shall perform the community outreach activities required throughout the Contract Time. You shall assign a staff member who shall perform the required community outreach services.

3. You shall closely coordinate the Work with the businesses, institutions, residents, and property owners impacted by the Project.
4. Your example duties include notifying businesses, institutions, and residents of the commencement of construction activities not less than 5 Days in advance, coordinating access for vehicular and pedestrian traffic to businesses, institutions, and residences impacted by the Project, reporting activities at all Project progress meetings scheduled by the Engineer, attending the Project Pre-construction meeting, attending 2 community meetings, responding to community questions and complaints related to your activities, and documenting, in writing, as well as logging in all inquiries and complaints received into the City's internal public contact tracking system.
5. You shall execute the Information Security Policy (ISP) Acknowledgement Form - For Non-City Employees within 15 Days of the award of the Contract if any of the following apply:
 - a) Your contact information is made available on any outreach materials.
 - b) You will be the primary point of contact to resolve project related inquiries and complaints.
6. Electronic Communication.
 - a) All inquiries and complaints shall be logged in to the City's internal public contact tracking system within 24 hours of receipt of inquiries and complaints.
 - b) Any updates or a resolution of inquiries and complaints shall be documented in the City's internal public contact tracking system within 24 hours.
 - c) Copies of email communications shall be saved individually on to the City's internal public contact tracking system in an Outlook Message Format (*.msg).
 - d) All graphics, photos, and other electronic files associated with inquiries and/or complaints shall be saved into the individual records, located within the City's internal public contact tracking system.

7-16.1.1 Quality Assurance.

1. During the course of community outreach, you shall ensure that the character of all persons that conduct community outreach (distributing door hangers, attending community meetings, interacting with the public, etc.) on your behalf shall:
 - a. Have the ability to speak and comprehend English and/or Spanish, as appropriate for the community or public they are informing,

- b. Possess and display easily verifiable and readable personal identification that identifies the person as your employee,
- c. Have the interpersonal skills to effectively, professionally, and tactfully represent you, the project, and the City to the public.

7-16.1.2 Submittals.

- 1. You shall submit to the Resident Engineer, for review and approval, all drafts of letters, notices, postcards, door hangers, signs, mailing lists, proposed addresses for hand-delivery, and any other notices and letters that are to be mailed and or distributed to the public.
 - a. Prior to distributing or mailing, you shall submit final drafts of letters, notices, postcards, door hangers, signs, and any other notices and letters to the Resident Engineer for final review and approval. Submit a PDF copy of the approved door hangers to the Engineer.
 - b. After distributing or mailing, you shall submit verification of delivery and any copies of returned notices to the Resident Engineer. Submit a PDF copy of the approved letters and notices to the Engineer.
- 2. You shall use the City's SDSshare site to identify and summarize communications (via phone, in person, and email) with the public within 24 hours of receipt, even if your response to the individual is still incomplete. You shall upload to the City's SDSshare site copies of all written, electronic, and verbal communications and conversations with the public.

7-16.2 Community Outreach Services.

7-16.2.1 Public Notice by Contractor.

- 1. Post Project Identification Signs in accordance with 7-10.6.2, "Project Identification Sign".
- 2. Notify businesses, institutions, property owners, residents or any other impacted stakeholders, within a minimum 300 feet (90 m) radius of the Project, of construction activities and utility service interruptions not less than 5 Days in advance.
- 3. Furnish and distribute public notices in the form of door hangers using the City's format to all occupants and/or property owners along streets:
 - a. Where Work is to be performed at least 5 Days before starting construction or survey activities or impacting the community as approved by the Resident Engineer.
 - b. Within 5 Days of the completion of your construction activities where Work was performed, you shall distribute

public notices in the form of door hangers, which outlines the anticipated dates of Asphalt Resurfacing or Slurry Seal.

- c. No less than 48 hours in advance and no more than 72 hours in advance of the scheduled resurfacing.
4. Leave the door hanger notices on or at the front door of each dwelling and apartment unit and at each tenant of commercial buildings abutting each of the street block segments. Where the front doors of apartment units are inaccessible, distribute the door hanger notices to the apartment manager or security officer.
5. Door Hanger Material: You shall use Blanks/USA brand, Item Number DHJ5B6WH, 1¹/₄ inch (31.8 mm) Holes (removed), 2-up Jumbo Door Hanger in Bristol White, or approved equal.
6. Mailed Notice Material: You shall use Cougar by Domtar, Item Number 2834, or approved equal.
7. For all Work on private property, contact each owner and occupant individually a minimum of 15 Days prior to the Work. If the Work has been delayed, re-notify owners and occupants of the new Work schedule, as directed by the Resident Engineer.
8. A sample of public notices is included in the Contract Appendix.

7-16.2.2 Communications with the Public.

1. Coordinate access for vehicular and pedestrian traffic to businesses, institutions and residences impacted by the Project.
2. You shall provide updates on construction impacts to the Resident Engineer. You shall notify the Resident Engineer in advance about time-sensitive construction impacts and may be required to distribute construction impact notices to the public on short notice.
3. You shall incorporate community outreach activities related to construction impacts in the baseline schedule and update the Resident Engineer with each week's submittal of the Three-Week Look Ahead Schedule.
4. At the request of the Resident Engineer, you shall attend and participate in project briefings at community meetings.
5. You shall coordinate with the Resident Engineer on all responses and actions taken to address public inquiries and complaints within 24-hours that they are received.

7-16.2.3 Communications with Media.

1. The City may allow members of the media access to its construction site(s) on a case-by-case basis only.
2. Occasionally, members of the media may show up at construction sites, uninvited. Members of the media (including, but not limited

to newspaper, magazine, radio, television, bloggers, and videographers) do not have the legal right to be in the construction site without the City's permission.

3. In the event media representatives arrive near or on the construction site(s), you shall keep them off the site(s), in a courteous and professional manner, until a Public Information Officer is available to meet them at an approved location.
4. You shall report all members of the media visits to the Resident Engineer as quickly as possible, so that the City's Public Information Officer can meet with the members of the media at the construction site(s).
5. If the City allows members of the media to access a construction site, you shall allow the City to escort the media representatives while they are on the construction site and shall ensure their safety.
6. You shall require media representatives to sign in and out of the Site Visitor Log and to use Personal Protective Equipment.
7. You have a right to speak to members of the media about your company and its role on the project. All other questions shall be referred to the City.

7-16.4 **Payment.** The Payment for the Community Outreach Service is included in the Contract Price.

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

1. Virtual Project Manager will be used on this contract.

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.** To the City Supplement, subsection c), item 2, DELETE in its entirety and SUBSTITUTE with the following:

- 2) In the event of an overrun of Contract time, adjustment in compensation for asphalt binder included in estimates during the overrun period shall be determined using the California Statewide

Crude Oil Price Index in effect on the first business day of the month within the pay period in which the overrun began.

ADD the following:

- e) 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). To the City Supplement, CORRECT section numbering as follows:

OLD SECTION NUMBER	TITLE	NEW SECTION NUMBER
203-15	RUBBER POLYMER MODIFIED SLURRY (RPMS)	203-16
203-15.1	General	203-16.1
203-15.2	Materials	203-16.2
203-15.3	Composition and Grading	203-16.3
203-15.4	Mix Design	203-16.4

SECTION 207 – PIPE

207-17.2.3 Pipe Manufacturer. To the City Supplement, DELETE in its entirety and SUBSTITUTE with the following:

- 1. PVC products, C900 and C905, as manufactured or distributed by J-M Manufacturing Company or JM Eagle shall not be used on the Contract for pressurized pipe.

SECTION 209 – STREET LIGHTING AND TRAFFIC SIGNAL MATERIALS

209-6.4 Induction Cobra Head Luminaire. To the City Supplement, 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 Supplement, paragraph (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 Bid 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 the placement of asphalt concrete or the application of slurry, you shall complete all necessary preparation and repair Work to the road segment.
2. Unless otherwise specified, preparatory Work shall include tree trimming, weed spray, weed abatement, crack sealing, asphalt repair, mill and pave, hump removal, miscellaneous asphalt patching, removal of raised pavement markers, and removal of pavement markings.
3. You shall repair areas of distressed asphalt concrete pavement by milling or removing damaged areas of pavement to a minimum depth of 2 inches (50.8 mm) for residential streets and a minimum depth of 3 inches (76.2 mm) for all others to expose firm and unyielding pavement.
4. You shall prepare subgrade as needed and install a minimum of 2 inches (50.8 mm) for residential streets and a minimum of 3 inches (76.2 mm) for all other streets of compacted asphalt concrete pavement over compacted native material as directed by the Engineer.
5. If the base material is exposed in order to achieve the minimum specified depth, the material shall be compacted to 95% relative compaction (dig out). Compaction tests shall be made to ensure compliance with the specifications.
6. The Engineer shall determine when and where the test shall occur. The City will pay for the soils testing required by the Engineer which meets the required compaction. You shall reimburse the City for the cost of retesting failing compaction tests. If additional base material is required, you shall use Class 2 Aggregate Base in accordance with 200-2.2, “Crushed Aggregate Base”.

7. Recycled base material shall conform to crushed miscellaneous base material in accordance with 200-2.4, "Crushed Miscellaneous Base".
8. 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".
9. You 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".
10. No preparatory asphalt Work shall be done when the atmospheric temperature is below 50° F (10° C) or during unsuitable weather.
11. Following the asphalt placement, you shall roll the entire area of new asphalt in both directions at least twice. The finished patch shall be level and smooth in compliance with 302-5.6.2, "Density and Smoothness". After placement and compaction of the asphalt patch, you shall seal all finished edges with a 4 inch (101.6 mm) wide continuous band of SS-1H.
12. The minimum dimensions for each individual repair shall be 4 feet by 4 feet (1.2 m by 1.2 m) and shall be subject to the following conditions:
 - a) If the base material is exposed to achieve the required minimum removal thickness, the base material shall be prepared conforming to 301-1, "SUBGRADE PREPARATION".
 - b) When additional base material is required, then you shall use Class 2 Aggregate Base in accordance with 200-2.2, "Crushed Aggregate Base". Recycled base material shall conform to crushed miscellaneous aggregate base material in accordance with 200-2.4, "Crushed Miscellaneous Base".
 - c) You may use grinding as a method for removal of deteriorated pavement when the areas indicated for removal are large enough (a minimum of the machine drum width) and when approved by the Engineer.
 - 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.
 - e) Base Repairs with RAC. Areas where failed paving is removed either by cold milling or by excavation shall be restored to existing pavement grade with ¾ inch (19.1 mm) RAC at 8 inch (203.2 mm) depth unless otherwise directed by the

Engineer. These areas have been marked on the street as "DO". The asphalt concrete shall be B3-PG 64-10 as specified in 400-4, "Asphalt Concrete". Preliminary quantities are identified in the Contract Appendix but may need to be increased and approved by the Engineer at the time of construction. Base repairs shall not exceed 15% RAP in content.

- f) **Unscheduled Base Repair with RAC.** If paving operations cause damage outside of your control and require additional base repair, the areas shall be removed either by cold milling or by excavation and shall be restored to existing pavement grade with $\frac{3}{4}$ inch (19.1 mm) RAC at 8 inch (203.2 mm) depth unless otherwise directed by the Engineer. The asphalt concrete shall be B3-PG 64-10 as specified in 400-4, "Asphalt Concrete". Unscheduled base repairs shall not exceed 15% RAP.
- g) A base repair is considered unscheduled when it is not identified on the pavement with a "DO" or when you are directed by the Engineer to perform a base repair for the proper placement of an asphalt overlay.

302-3.1 Asphalt Patching.

- 1. Asphalt patching shall consist of patching potholes, gutter-line erosions, and other low spots in the pavement that are deeper than $\frac{1}{2}$ inch (12.7 mm) in accordance with 302-5.6.2, "Density and Smoothness".
- 2. The areas requiring patching have been identified in the Contract Documents, marked on the streets, or as directed by the Engineer. You shall identify any new areas that may require patching prior to slurry Work to ensure the smoothness and quality of the finished product.
- 3. You shall identify and repair any areas that may require patching prior to the placement of slurry seal for a smooth and finished product.
- 4. Asphalt overlay shall not be applied over deteriorating pavement. Preparatory asphalt Work shall be completed and approved by the Engineer before proceeding with asphalt overlay.
- 5. You 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 in accordance with 302-5.4, "Tack Coat".
7. Following the asphalt placement, you shall roll the entire patch in both directions and shall cover the patch at least twice.
8. After placement and compaction of the asphalt patch, you shall seal all finished edges with a 4 inch (101.6 mm) wide continuous band of SS-1H.
9. Base repairs shall not exceed 15% RAP in content.

302-3.2 Payment.

1. The payment for the replacement of existing pavement when required shall be included in the Contract Unit Price for "Asphalt Pavement Repair" for the total area replaced and no additional payment shall be made regardless of the number and size 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 your failure to protect existing improvements. You 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 the appendices are given only for your 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 precedence 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, you 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. The payment for preparatory repair Work and tack coating shall be paid at the Contract Unit Price for "Asphalt Pavement Repair".
5. The payment for milling shall be included in the Bid item for "Asphalt Pavement Repair" unless Bid items for asphalt milling Work has been provided.
6. The payment for miscellaneous asphalt patching shall be included in the Contract Unit Price for the slurry Work and no additional payment shall be made, unless a Bid item for "Miscellaneous Asphalt Patching" has been provided.

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.

302-5.2.1 Measurement and Payment. To the City Supplement, item c), ADD the following:

Imported Subgrade material shall be paid per bid item "Imported Backfill".

SECTION 306 – UNDERGROUND CONDUIT CONSTRUCTION

306-1 OPEN TRENCH OPERATIONS. To the City Supplement, 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 Basis of Payment for Open Trench Installations. To the City Supplement, ADD the following:

8. The payment for imported backfill when you elect to import material from a source outside the project limits and when authorized by the Engineer shall be included in the Bid item for "Imported Backfill". The price shall include the removal and disposal of unsuitable materials.

306-1.8.3 Polyurethane Lining. To the City Supplement, item 5, DELETE in its entirety

SECTION 500 – PIPELINE

500-1.1.1 General. To the City Supplement, item 1, subsection a), ADD the following:

The felt and resin system shall be selected from those listed in the City's approved material list.

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

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

- Contractor's Experience; past project documentation
- Manufacturer Certification
- Authorize Installer Certificates

500-1.1.5 Video Inspection. To the City Supplement, ADD the following:

During the post-cleaning video you shall identify all existing protruding laterals within the existing main and trim them flush to the main prior to rehabilitation. The cost of trimming the existing laterals shall be included in the pipe rehabilitation bid item.

500-1.1.9 Measurement and Payment. To the City Supplement, item 3, DELETE in its entirety.

500-1.2.4 Sewer Bypassing and Dewatering. DELETE in its entirety and SUBSTITUTE with the following:

When required by the Contract Documents, you shall bypass the sewer flow around the Work and dewater the Site in conformance with 704, "SEWAGE SPILL PREVENTION" and 705-2.1, "General."

500-1.6 Service Laterals. To the City Supplement, DELETE in its entirety and SUBSTITUTE with the following:

ADD:

500-1.6 Service Lateral Rehabilitation.

500-1.6.1 General.

1. The rehabilitation shall be accomplished using a fabric or fiberglass tube of particular length and a thermoset resin with physical and chemical properties appropriate for the application without excavation and disturbing surface improvements. The tube is vacuum impregnated with the resin. Access to an upstream end of the service lateral is made by excavation in the public right of way. Installation of the resin-impregnated tube into the service lateral may be performed either by Type A inversion in accordance with ASTM F1216 or by Type B pull-in in accordance with ASTM F 1743

and may be performed from either the mainline or the excavated end of the lateral.

2. The cured-in-place liner shall extend the entire length of the lateral from the access point to the mainline. Once the tube or resin composite is cured, the installation equipment shall be removed and the protruding end in the collector shall be cut using a robotic cutting device. A sewer cleanout in accordance with the Standard Drawing SDS-102, "Sewer Lateral Cleanout (In Driveway, Paved Alley, Sidewalk, or Other Area Subject to Traffic)" or SDS-103, "Sewer Lateral Cleanout Outside Traveled Way" shall be installed at the access point and properly backfilled.
3. A lateral rehabilitation including the installation of lateral cleanout and backfill process shall be completed within 15 Working Days.
4. The liner shall be extended sufficiently to create a water tight seal at the main and the liner interface.
5. If there is a SLC in place, then the cured-in-place lateral liner shall have a minimum overlap of 2 inches over the previously installed SLC sewer main.
6. Existing ABS and PVC sewer laterals shall not be rehabilitated. These laterals shall be replaced or shall have point repairs performed on them as directed by the Engineer.

500-1.6.2 Material.

1. The tube shall consist of one or more layers of flexible needled felt, or an equivalent material. Where the tube is fabricated from non woven felt, the longitudinal and circumferential joints are made up by seal bonding. The tube shall be capable of conforming to bends, off-set joints, bells, and disfigured pipe sections. The resin and catalyst system as designed for the specific application shall meet the chemical resistance requirements of 210-2.3.3, "Chemical Resistance Test (Pickle Jar Test)."
2. The composite of the materials above shall, upon installation inside the host pipe, shall exceed the minimum test standards specified in Table 500-1.4.2 (A).
3. The thickness of the lateral lining shall be not less than 0.12 inches (3 mm) and not more than 0.18 inches (4.5 mm) for laterals up to and including 8 inches in diameter. The thickness of the lateral lining shall be in accordance with Table 500-1.1.1.1 (A) for laterals larger than 8" in diameter.

500-1.6.3 Installation Procedures (ASTM F1216 and ASTM F1743).

1. The property owner of the lateral being reconstructed shall be informed and the flow stopped for the period of reconstruction Work.
2. You shall excavate an access pit at the property line cleanout or at an approved upstream point on the service lateral in accordance with the reconstruction length determined by the Engineer.

3. You shall clean, video, and determine the structural condition of the lateral line prior to installation. Roots, debris, and protruding service connections shall be removed prior to installation.
4. The tube shall be inspected for torn or frayed sections. The tube in good condition shall then be vacuum impregnated with the thermoset resin.
5. No open pans or uncontrolled open-air pouring of resin shall be allowed during tube saturation. Resin shall be contained within the inflation bladder during vacuum impregnation and insertion. You shall ensure that no property is exposed to contamination by liquid resin compounds or components.
6. The saturated tube along with the inflation bladder shall be inserted into the installation equipment and the end closed. The entire installation equipment shall be placed in the pipe access pit and aligned with the exposed end of the pipe.
7. The resin and tube shall be completely protected during the placement. The resin shall not be contaminated or diluted by exposure to dirt, debris, or water during the placement.
8. The tube shall be installed from the installation equipment by controlled air, water, or steam pressure in accordance with manufacturer instructions. The tube shall extend the entire reconstruction length and shall be held tightly in place against the wall of the host pipe until the cure is complete.
9. When the curing process is complete, the pressure is released and the inflation bladder reverted back into the installation equipment and removed from the access point.
10. No barriers, coatings, or any material other than the cured tube or resin composite specifically designed for desirable physical and chemical resistance properties shall be left in the host pipe. Any materials used in the installation other than the cured tube or resin composite shall be removed.
11. Any cured tube or resin composite pipe left protruding from the service connection shall be trimmed back using a hydraulic-powered robotic cutting device specifically designed for cutting cured-in-place pipe made from these materials.
12. A second video inspection shall be performed to verify the proper cure of the material, the proper trim of service connection, and the integrity of the seamless pipe.
13. The bypass pumping system shall be removed and the sewer flows restored to normal flow conditions. The service lateral pipes shall be coupled together. The excavation shall be properly backfilled. The property owner of the service connection shall be informed when the Work is complete.

500-1.6.4 Deviations. If pre-installation inspection reveals conditions in the service lateral to be substantially different than those used in the design of wall

thickness, tube construction, tube length, or resin system; then you shall correct the situation as approved by the Engineer.

500-1.6.5 Acceptance. Upon completion, you shall deliver the video records and written reports to the Engineer. The Engineer shall review the documentation and the Site to determine if the Work is complete and if the Work may be accepted.

500-1.6.6 Payment.

1. The payment for the Service Lateral Rehabilitation covered under 500-1.6, "Service Laterals Rehabilitation" shall be made per each lateral and shall include all necessary labor, material and equipment to clean, repair, and line the Sewer Lateral.
2. The payment for the installation of a sewer cleanout at the access point shall be included in the following Bid items:

Service Lateral Rehabilitation with Cleanout up to 7 Feet in Depth
Service Lateral Rehabilitation with Cleanout Greater than 7 Feet in Depth

3. The payment for point repairs shall be paid for in accordance with 500-1.2.7, "Payment".
4. The payment for cleaning and video inspection for rehabilitated laterals shall be in accordance with 306-18.7, "Payment".

500-1.7.10 Payment. To the City Supplement, DELETE in its entirety.

500-1.10.7 Payment. To the City Supplement, DELETE in its entirety.

500-1.13.10 Payment. To the City Supplement, DELETE in its entirety.

500-4 SERVICE LATERAL CONNECTION SEALING. DELETE in its entirety and SUBSTITUTE with the following:

500-4 SERVICE LATERAL CONNECTION (SLC) SEALING.

500-4.1 General.

1. SLC is the interface of the house sewer lateral with the main sewer. SLC to rehabilitated sanitary sewer lines shall be sealed, normally without excavation, by the installation of a resin-impregnated, flexible, felt tube or fiberglass tube installed into the existing service lateral. The tube shall form a "tee" section with a full lap inside the main pipe and shall extend continuously from the sewer main into the lateral for a minimum of 4 inches. SLC may be a combination of "tees" or "wyes" of varying angle. The resin shall be cured to form the tube into a hard impermeable pipe-within-a-

pipe. When cured, the SLC shall seal the connection of the lateral to the mainline in a continuous tight-fitting, watertight pipe-within-a-pipe to eliminate any visible leakage between the lateral and mainline and shall provide a leak-proof seal designed for a minimum 50-year life to prevent root intrusion, infiltration, and exfiltration between a liner and a host pipe.

2. Prior to cleaning, you shall submit a detailed operational plan for the proposed cleaning of all roots inside the pipe and around the service connection for the Engineer's approval. After cleaning, you shall proceed with lining of the pipe and reinstating all live service connections. The service connection openings shall conform to the shape and the size of the inside diameter of the existing service connection. You shall use a wire brush or other methods and equipment as recommended by other lining system providers or other approved means and methods to provide a smooth opening for connecting the lateral to the newly lined pipeline.
3. You shall trim all protruding laterals which interfere with the lining installation as flush with the pipe interior as practicable.

500-4.2 Reference Specification. This specification references ASTM test methods which are made a part hereof by such reference and shall be the latest edition and revision thereof and shall meet the chemical resistance requirements of section 210-2.3.3, "Chemical Resistance Test (Pickle Jar Test)."

500-4.3 General Corrosion Requirements.

1. The finished SLC product shall be fabricated from materials which when cured shall be chemically resistant to withstand internal exposure to domestic sewage and shall meet the chemical resistance requirements of 210-2.3.3, "Chemical Resistance Test (Pickle Jar Test)" and Table 210-2.4.1 (A).
2. The SLC product shall be compatible with the lining system materials utilized in the main sewer line.

500-4.4 SLC Materials.

1. A flexible, felt tube shall be fabricated to neatly fit the internal circumference of the conduit specified by the City. Allowance shall be made for circumferential stretching during insertion.
2. The SLC sealing shall extend a minimum of 4 inches from the mainline into the lateral.
3. You shall furnish a specially designed, unsaturated polyester or vinyl ester resin and catalyst system compatible with the SLC sealing process that provides cured physical strengths specified herein.

500-4.5**Physical Properties.**

1. The cured SLC sealing shall conform to the minimum structural standards as listed in Table 500-1.4.2 (A).
2. No cured-in-place pipe rehabilitation technology shall be allowed that requires bonding to the existing pipe for any part of its structural strength.
3. Design methods are to be derived for various loading parameters and modes of failure. Equations shall be modified to include deformation in the shape of an oval as a design parameter. The design method shall be submitted to the Engineer for approval prior to the Pre-construction Meeting.

500-4.6**Installation Preparation.**

1. You shall remove internal debris out of the sewer line.
2. Inspection of pipelines shall be performed by experienced personnel trained in locating breaks and obstacles by closed circuit television. The interior of the pipeline shall be carefully inspected to determine the location of any conditions which may prevent proper installation of the SLC sealing into the pipelines and it shall be noted so that these conditions can be corrected. A color video and suitable log shall be kept for later reference by the City.
3. When required, provide for the flow of sewage around the section or sections of mainline pipe where the service lateral designated for SLC sealing is located. The bypass shall be made by plugging the line at an existing upstream manhole and pumping the flow into a downstream manhole or adjacent system. The pump and bypass lines shall be of adequate capacity and size to handle the flow without service interruption. The bypass systems shall be approved in advance by the City.
4. The service lateral shall be inactive during the time of installation.
5. You shall clear the line of obstructions that prevent the insertion of the SLC sealing material. If inspection reveals an obstruction that cannot be removed by conventional sewer cleaning equipment, you shall make an external point repair excavation to uncover and remove the obstruction. You shall inform the Engineer prior to the commencement of the Work.
6. The mainline pipe opening shall be prepared to accept the SLC sealing and the mainline rehabilitated pipe shall be maximized to obtain the best possible connection.
7. The transition from the mainline pipe to the service lateral shall be smooth and continuous to provide adequate support for the SLC sealing during installation and cure.

500-4.7 SLC Sealing Installation.

1. The resin impregnated tube shall be loaded inside a pressure apparatus. The pressure apparatus, attached to a robotic device, shall be positioned in the mainline pipe at the service connection. The robotic device, together with a television camera, shall be used to align the SLC repair with the service connection opening. Air pressure, supplied to the pressure apparatus through an air hose, shall be used to invert the resin impregnated SLC sealing into the lateral pipe. The inversion pressure shall be adjusted to fully invert the SLC sealing into the lateral pipe and hold the tube tight to the pipe wall. Care shall be taken during the curing process not to over-stress the tube.
2. The pressure apparatus shall include a bladder which shall inflate in the mainline pipe, effectively seating the SLC repair against the service connection.
3. After inversion or pull-in is completed, the recommended pressure shall be maintained on the impregnated tube for the duration of the curing process. Curing method shall be compatible with the resin selected. An ultraviolet (UV) light cured, heat cured, or ambient cured resin system is typically used.
4. The initial cure shall be deemed to be completed when the SLC sealing has been exposed to the UV light or heat source or held in place for the time period specified by the manufacturer.
5. You shall cool the hardened SLC sealing before relieving the pressure in the pressure apparatus. Cool-down may be accomplished by the introduction of cool air into the pressure apparatus. Care shall be taken to maintain proper pressure throughout the cure and cool-down period.
6. The finished SLC shall be free of dry spots, lifts, and delamination. The lateral SLC shall not inhibit the final video of the mainline or service lateral pipes. Frayed ends of the SLC repair shall be removed prior to acceptance.
7. During the warranty period, any defects which shall affect the integrity of strength of the SLC shall be repaired at your expense in a manner mutually agreed upon by the manufacturer, City, and you.
8. After the Work is completed, you shall provide the City with a video recording showing the completed Work including the restored conditions.

500-4.8 Clean-Up. Upon acceptance of the installation Work, you shall reinstate the Site affected by its operations.

500-4.9 Payment. The payment for Service Lateral Connection Work shall be made at the Contract Unit Price or lump sum price in the Bid for each Service Lateral Connection. The Contract Unit Price or lump sum price in the Bid

shall include the furnishing and the installation of the Service Lateral Connection sealing system, surface preparation and repairs, preparation and tape submittal of all post cleaning videos and final videos, bypassing if required, and testing, unless otherwise specified in the Special Provisions.

SECTION 705 – WATER DISCHARGES

- 705-2.6.1 General.** To the City Supplement, item 3, CORRECT reference to Section 803 to read “Section 703”.
- 705-2.6.3 Community Health and Safety Plan.** To the City Supplement, 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.”

SECTION 707 – RESOURCE DISCOVERIES

ADD:

- 707-1.1 Environmental Document.** The City of San Diego Environmental Analysis Section (EAS) of the Development Services Department has prepared a Notice of Exemption for **South Mission Valley Trunk Sewer Accelerated Project**, DEP No. **WBS B-14068**, as referenced in the Contract Appendix. You must comply with all requirements of the Notice of Exemption as set forth in the Contract Appendix A.

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

END OF SUPPLEMENTARY SPECIAL PROVISIONS (SSP)

SUPPLEMENTARY SPECIAL PROVISIONS

APPENDICES

APPENDIX A
NOTICE OF EXEMPTION

NOTICE OF EXEMPTION

(Check one or both)

TO: X RECORDER/COUNTY CLERK
P.O. BOX 1750, MS A-33
1600 PACIFIC HWY, ROOM 260
SAN DIEGO, CA 92101-2422

FROM: CITY OF SAN DIEGO
DEVELOPMENT SERVICES DEPARTMENT
1222 FIRST AVENUE, MS 501
SAN DIEGO, CA 92101

OFFICE OF PLANNING AND RESEARCH
1400 TENTH STREET, ROOM 121
SACRAMENTO, CA 95814

PROJECT NO.: WBS B-14068.02.06 PROJECT TITLE: SOUTH MISSION VALLEY TRUNK SEWER ACCELERATED PROJECT

PROJECT LOCATION-SPECIFIC: Adjacent to I-8 freeway at Texas St within the Mission Valley Community Plan area (CD 7)
PROJECT LOCATION-CITY/COUNTY: San Diego/San Diego

DESCRIPTION OF NATURE AND PURPOSE OF THE PROJECT: Mayor Approval to allow for the replacement of 376 linear feet (LF) of existing 21-inch trunk sewer using trenchless technology within the same depth as the existing pipe, and the rehabilitation of approximately 1,398 linear feet (LF) of existing 21-inch and 24-inch trunk sewer. Associated improvements would include installation of two manholes and rehabilitation of 4 manholes. All worked occurs in the City and Caltrans right of way in disturbed or developed areas where no environmental resources would be affected during construction-related activities.

NAME OF PUBLIC AGENCY APPROVING PROJECT: City of San Diego

NAME OF PERSON OR AGENCY CARRYING OUT PROJECT: City of San Diego, Public Works Department
Contact: Jericho Gallardo
525 B Street, Suite 750 (MS 908A)
San Diego, CA 92101
619-533-7523

EXEMPT STATUS: (CHECK ONE)

- () MINISTERIAL (SEC. 21080(b)(1); 15268);
() DECLARED EMERGENCY (SEC. 21080(b)(3); 15269(a));
() EMERGENCY PROJECT (SEC. 21080(b)(4); 15269 (b)(c)
(X) CATEGORICAL EXEMPTION: 15282(k) Pipelines less than a mile
() STATUTORY EXEMPTION:

REASONS WHY PROJECT IS EXEMPT: The City of San Diego has conducted an environmental review and determined the project meets the statutory exemption criteria set forth in the CEQA State Guidelines, Section 15282(k) (Pipelines less than one mile) which allows for the installation of a new pipeline or maintenance, repair, restoration, removal, or demolition of an existing pipeline as set forth in Section 21080.21 of the Public Resources Code, as long as the project does not exceed one mile in length. This work is entirely within disturbed public right-of-way and will have no impact on sensitive resources.

LEAD AGENCY CONTACT PERSON: MYRA HERRMANN

TELEPHONE: 619-446-5372

IF FILED BY APPLICANT:

- 1. ATTACH CERTIFIED DOCUMENT OF EXEMPTION FINDING.
2. HAS A NOTICE OF EXEMPTION BEEN FILED BY THE PUBLIC AGENCY APPROVING THE PROJECT?
() YES () NO

IT IS HEREBY CERTIFIED THAT THE CITY OF SAN DIEGO HAS DETERMINED THE ABOVE ACTIVITY TO BE EXEMPT FROM CEQA

Myra Herrmann
SENIOR PLANNER

December 2, 2014
DATE

SIGNATURE/TITLE
CHECK ONE:

- (X) SIGNED BY LEAD AGENCY
() SIGNED BY APPLICANT

DATE RECEIVED FOR FILING WITH COUNTY CLERK OR OPR:

APPENDIX B

FIRE HYDRANT METER PROGRAM

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

1. **PURPOSE**

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

2. **AUTHORITY**

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

Reference

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

3. **DEFINITIONS**

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

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

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

4. **POLICY**

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

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

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

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

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

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

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

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

4.6 Conditions and Processes for Issuance of a Fire Hydrant Meter

Process for Issuance

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

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

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

4.7 Relocation of Existing Fire Hydrant Meters

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

4.8 Disconnection of Fire Hydrant Meter

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

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for removal of the meter.

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

5. **EXCEPTIONS**

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

6. **MOBILE METER**

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

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

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

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

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

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

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

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

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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.

CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS	NUMBER DI 55.27	DEPARTMENT Water Department
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- 8.5 If damage occurs to Water Department property (i.e. fire hydrant meter, backflow, various appurtenances), the cost of repairs or replacements will be charged to the customer of record (applicant).

**Larry Gardner
Water Department Director**

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

APPENDIX

Administering Division: Customer Support Division

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

Distribution: DI Manual Holders



Application for Fire Hydrant Meter (EXHIBIT A)

(For Office Use Only)

NS REQ	FACH
DATE	BY

METER SHOP (619) 527-7449

Meter Information

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

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

Company Information

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

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

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

WATER USES WITHOUT ANTICIPATED CHARGES FOR RETURN TO SEWER

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

Note:

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

Date

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

Subject: Discontinuation of Fire Hydrant Meter Service

Dear Water Department Customer:

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

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

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

Sincerely,

Water Department

APPENDIX C

MATERIALS TYPICALLY ACCEPTED BY CERTIFICATE OF COMPLIANCE

Materials Typically Accepted by Certificate of Compliance

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

APPENDIX D
SAMPLE CITY INVOICE

City of San Diego, Field Engineering Div., 9485 Aero Drive, SD CA 92123		Contractor's Name:	
Project Name:		Contractor's Address:	
Work Order No or Job Order No.			
City Purchase Order No.		Contractor's Phone #:	Invoice No.
Resident Engineer (RE):		Contractor's fax #:	Invoice Date:
RE Phone#:	Fax#:	Contact Name:	Billing Period: (to

Item #	Item Description	Contract Authorization				Previous Totals To Date		This Estimate		Totals to Date	
		Unit	Price	Qty	Extension	%/QTY	Amount	% / QTY	Amount	% / QTY	Amount
1					\$ -		\$ -		\$ -	0.00%	\$ -
2					\$ -		\$ -		\$ -	0.00%	\$ -
3					\$ -		\$ -		\$ -	0.00%	\$ -
4					\$ -		\$ -		\$ -	0.00%	\$ -
5					\$ -		\$ -		\$ -	0.00%	\$ -
6					\$ -		\$ -		\$ -	0.00%	\$ -
7					\$ -		\$ -		\$ -	0.00%	\$ -
8					\$ -		\$ -		\$ -	0.00%	\$ -
9					\$ -		\$ -		\$ -	0.00%	\$ -
10					\$ -		\$ -		\$ -	0.00%	\$ -
11					\$ -		\$ -		\$ -	0.00%	\$ -
12					\$ -		\$ -		\$ -	0.00%	\$ -
13					\$ -		\$ -		\$ -	0.00%	\$ -
14					\$ -		\$ -		\$ -	0.00%	\$ -
15					\$ -		\$ -		\$ -	0.00%	\$ -
16					\$ -		\$ -		\$ -	0.00%	\$ -
17	Field Orders				\$ -		\$ -		\$ -	0.00%	\$ -
18					\$ -		\$ -		\$ -	0.00%	\$ -
CHANGE ORDER No.					\$ -		\$ -		\$ -	0.00%	\$ -
Total Authorized Amount (including approved Change Order)					\$ -		\$ -		\$ -		\$ -
										Total Billed	\$ -

SUMMARY

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

I certify that the materials
have been received by me in
the quality and quantity specified

Resident Engineer

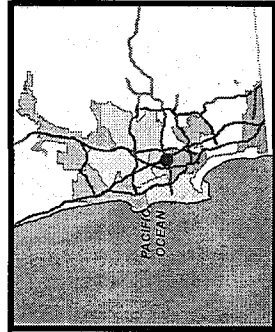
Construction Engineer

Retention and/or Escrow Payment Schedule

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

Contractor Signature and Date: _____

APPENDIX E
LOCATION MAP



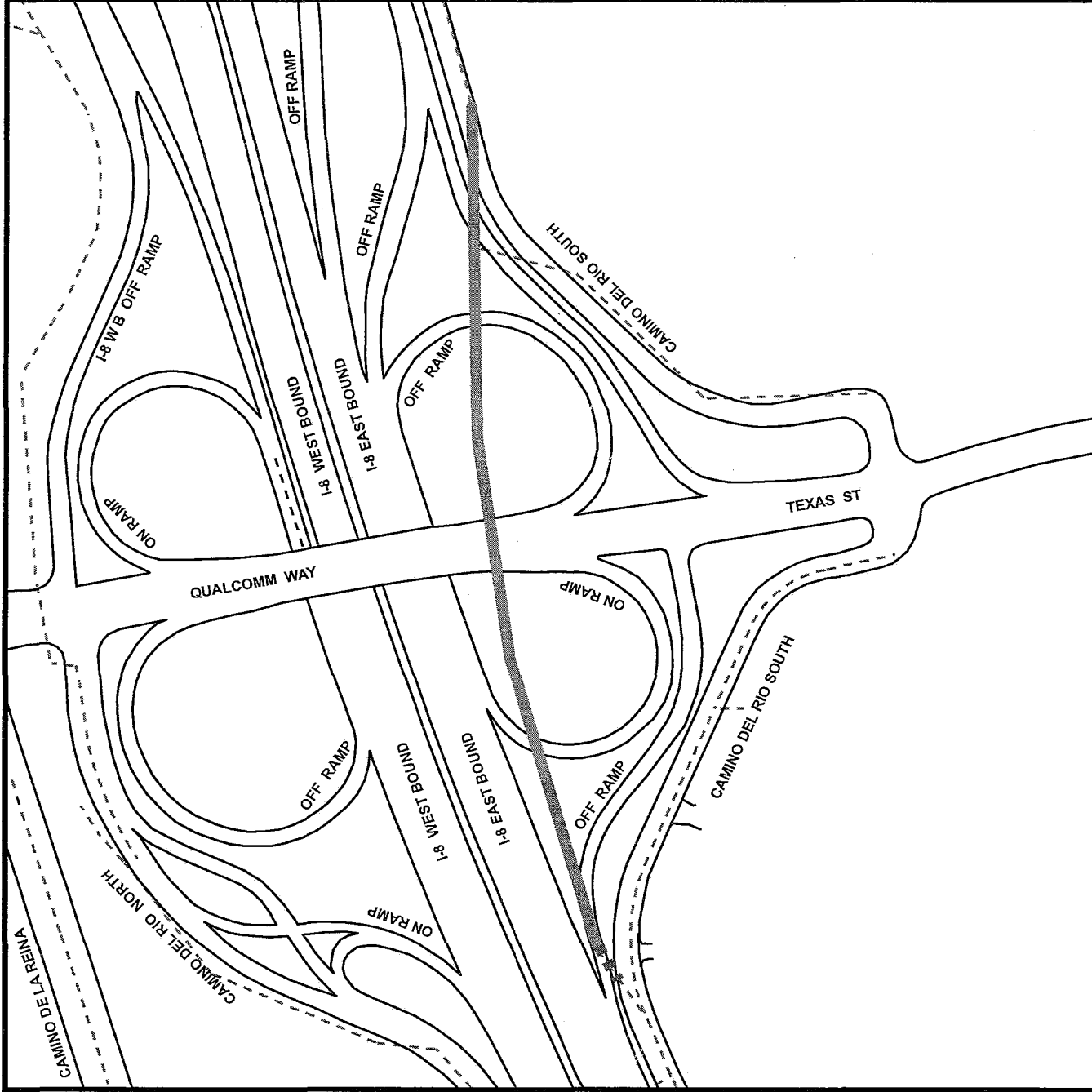
SOUTH MISSION VALLEY TRUNK SEWER ACCELERATED PROJECT

SENIOR ENGINEER
TBD

PROJECT ENGINEER
JOSELITO GUINTO
619-533-5474

PROJECT MANAGER
JERICHO GALLARDO
619-533-7523

CONSTRUCTION PROJECT
INFORMATION LINE
(619) 533-4207



Legend

- PROPOSED SEWER REPLACEMENT
- PROPOSED SEWER REHABILITATION
- EXISTING SEWER MAIN



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APPENDIX F
CALTRANS PERMIT

In compliance with (Check one):

- Your application of MAY 4, 2015
- Utility Notice No. _____ of _____
- Agreement No. _____ of _____
- R/W Contract No. _____ of _____

Permit No. 11-15-NUT-0303	
Dist/Co/Rte/PM 11-SD-8/3.74-4.02	
Date MARCH 1, 2016	
Fee Paid EXEMPT	Deposit EXEMPT
Performance Bond Amount (1) N/A	Payment Bond Amount (2) N/A
Bond Company N/A	
Bond Number (1) N/A	Bond Number (2) N/A

CITY OF SAN DIEGO
 525 B STREET, SUITE 750
 TO: SAN DIEGO, CA 92101

ATTN: JERICO GALLARDO
 PHONE: (619) 533-7523

PERMITTEE

And subject to the following, PERMISSION IS HEREBY GRANTED to:

enter upon State Highway right of way in San Diego County, City of San Diego, on Route 8, post mile 3.74 to 4.02, to place traffic control to replace 49 feet of 24-inch sewer main and remove existing manhole bottom structure by trenching method, as shown on the attached plans, in accordance with the requirements and conditions contained herein and as further directed or approved by the State's Inspector, Rahi Nikravesh phone number (858) 688-1605 or email at rahi.nikravesh@dot.ca.gov.

The State's Inspector shall be notified seven working days prior to starting work.

Working hours shall be as directed or approved by the State's Inspector and in accordance with the attached lane closure requirement charts.

No vehicles or equipment shall be parked within the highway right of way at any time, except for those vehicles or that equipment actually engaged in the work, during the working hours specified herein.

(CONTINUED)

THIS PERMIT IS NOT A PROPERTY RIGHT AND DOES NOT TRANSFER WITH THE PROPERTY TO A NEW OWNER

The following attachments are also included as part of this permit (Check applicable):

- | | | |
|---|--|---|
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | General Provisions |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | Utility Maintenance Provisions |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | Special Provisions |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | A Cal-OSHA permit, if required: Permit No. _____ |
| <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No | As-Built Plans Submittal Route Slip for Locally Advertised Projects |
| <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No | Water Pollution Control Plan |

In addition to fee, the permittee will be billed actual costs for:

<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Review
<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Inspection
<input type="checkbox"/> Yes		Field Work

(If any Caltrans effort expended)


Yes No The information in the environmental documentation has been reviewed and considered prior to approval of this permit.

This permit is void unless the work is complete before **AUGUST 31, 2016.**

This permit is to be strictly construed and no other work other than specifically mentioned is hereby authorized. No project work shall be commenced until all other necessary permits and environmental clearances have been obtained.

JG:jg
 cc: Permits
 BStinnett, Reg. Mgr.
 RNikravesh, Inspector
 Permittee
 Contractor

APPROVED:


 Ann M. Fox, District Permit Engineer

Laurie Berman, District Director

CITY OF SAN DIEGO
11-15-NUT-0303
MARCH 1, 2016
PAGE TWO

The following District Standard Special Provisions are generalizations of the Department Standard Specifications and are included only as a Permittee convenience. Permittee's attention is directed to the current Department Standard Specifications for complete, unabridged, specification requirements.

Once begun, that portion of the work within the State Highway right of way shall be prosecuted to completion as rapidly as possible.

All personnel on foot within the State Highway right of way shall wear personal protective equipment, including safety glasses, hard hats and American National Standards Institute (ANSI) compliant Class II vests. In addition, all personnel working at night, on foot within the State Highway right of way shall wear ANSI Class III warning garments.

Permittee's Contractor will be responsible for the actual cost of inspection, which may be more or less than the deposit. A bill or refund shall be sent upon satisfactory completion of the work. Payment of any bill is a condition of the permit.

Notwithstanding General Provision No. 4, your contractor is required to apply for and obtain an encroachment permit prior to starting work. A permit inspection deposit fee of \$3,444.00 will be required upon submittal of the application to perform the work. Also, your contractor must submit proof that they have obtained executed bonds in accordance with General Provision No. 24.

The State of California, Department of Transportation, makes no assurance or expressed warranty that the plans are complete or that the planned construction fits field conditions. Should additional work or modifications of the work be required in order to meet established Department Standards or in order to fit field conditions, the work shall be performed by Permittee as directed by the State's Inspector at no cost to the State.

All work shall be coordinated with the State highway contractor's operations and under no circumstances shall the work granted herein interfere. All standards of construction shall be identical to similar work performed under adjacent highway contract.

All work shall be performed in accordance with the current Department of Transportation Standard Specifications, the Department of Transportation Encroachment Permit Underground Utility Provisions dated March, 2013.

The Permittee is responsible for locating and protecting all utilities both underground and aerial. Any costs incurred for locating and protecting and/or relocating any utilities shall be borne by the Permittee.

**CITY OF SAN DIEGO
11-15-NUT-0303
MARCH 1, 2016
PAGE THREE**

Notwithstanding, General Provision 24, the Permittee's Contractor's bonds shall remain in full force through completion of the work and acceptance by the Department. Upon fulfillment of all obligations under this permit, the Department will inform the Permittee when the Permittee's Contractor's bonds may be released.

Your attention is directed to Standard Specifications Section 5-1.36 "Property and Facility Preservation" and Business and Professions Code, Section 8771. Permittee shall physically inspect the work site and locate survey monuments prior to work commencement. Monuments that might be disturbed shall be referenced or reset in accordance with Business and Professions Code.

Construction area signs shall be furnished, installed and removed when no longer needed, in accordance with Part 6 of the January, 2014 edition of the California Manual on Uniform Traffic Control Devices (California MUTCD) and as directed and approved by the State's Inspector.

Traffic control when permitted or directed by the State's Inspector, shall consist of closing traffic lanes and shoulders of the ramp in accordance with attached Caltrans 2010 Revised Standard Plans RSP T9, RSP T10 (Shoulder Closure), RSP T14, and the attached TRAFFIC CONTROL PLANS, Part 6 "Temporary Traffic Control" of the California Manual on Uniform Traffic Control Devices (California MUTCD) 2014 Edition, Section 12 "Temporary Traffic Control" of Caltrans 2010 Standard Specifications, and these Special Provisions.

When existing pedestrian facilities are disrupted, closed, or relocated in a Temporary Traffic Control zone, the temporary facilities shall be detectable and include accessibility features consistent with the features present in the existing pedestrian facility. Where pedestrians with visual disabilities normally use the closed sidewalk, a barrier that is detectable by a person with a visual disability traveling with the aid of a long cane shall be placed across the full width of the closed sidewalk.

Permittee shall implement and maintain the attached WPCP, dated as approved June 19, 2015, and as directed and approved by the State's Inspector.

The Permittee shall retain a Civil Engineer, licensed to practice in California, who shall upon completion of the placement of materials requiring compaction, furnish to the State's Inspector, a report certifying that the compaction work has been accomplished in accordance with Caltrans Standard Specifications and Standard Plans. Compaction testing, in accordance with Caltrans testing procedures and policies, shall be performed by a certified testing laboratory. Copies of the test shall accompany the engineer's report.

Pavement shall be sawcut a minimum of 0.2 foot deep prior to paving.

Sidewalk shall be sawcut to an existing expansion joint or scoreline. New concrete shall match existing concrete color, texture and score pattern.

Curbs and gutters shall be installed over 6 inches of Class 2 Aggregate Base. Sidewalks shall be placed over 4 inches of Class 3 Aggregate Subbase.

All open trenches within the improved area shall be backfilled, compacted and temporary repairs made to the surfacing before leaving the job site at the end of the working day. In lieu of temporary repairs, steel plate bridging may be allowed if approved by the State's Inspector prior to the start of work. Permanent paving shall be placed within five working days after completion of the above work. Permanent backfill and paving shall conform to the attached ENCROACHMENT PERMIT TRENCH DETAIL dated September, 2006 and the attached BACKFILL REQUIREMENTS.

When steel plate bridging is used, the attached Steel Plate Bridging Special Provisions will apply in addition to the attached General Provisions.

The provisions in this section will not relieve the Permittee from his responsibility to provide such additional devices or take such measures as may be necessary to comply with the provisions in Section 7-1.04, of the Standard Specifications.

Upon completion of the work, the attached Notice of Completion card shall be completed and returned.

STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION
ENCROACHMENT PERMIT GENERAL PROVISIONS
TR-0045 (REV. 05/2007)

1. **AUTHORITY:** The Department's authority to issue encroachment permits is provided under, Div. 1, Chpt. 3, Art. 1, Sect. 660 to 734 of the Streets and Highways Code.
2. **REVOCATION:** Encroachment permits are revocable on five days notice unless otherwise stated on the permit and except as provided by law for public corporations, franchise holders, and utilities. These General Provisions and the Encroachment Permit Utility Provisions are subject to modification or abrogation at any time. Permittees' joint use agreements, franchise rights, reserved rights or any other agreements for operating purposes in State highway right of way are exceptions to this revocation.
3. **DENIAL FOR NONPAYMENT OF FEES:** Failure to pay permit fees when due can result in rejection of future applications and denial of permits.
4. **ASSIGNMENT:** No party other than the permittee or permittee's authorized agent is allowed to work under this permit.
5. **ACCEPTANCE OF PROVISIONS:** Permittee understands and agrees to accept these General Provisions and all attachments to this permit, for any work to be performed under this permit.
6. **BEGINNING OF WORK:** When traffic is not impacted (see Number 35), the permittee shall notify the Department's representative, two (2) days before the intent to start permitted work. Permittee shall notify the Department's Representative if the work is to be interrupted for a period of five (5) days or more, unless otherwise agreed upon. All work shall be performed on weekdays during regular work hours, excluding holidays, unless otherwise specified in this permit.
7. **STANDARDS OF CONSTRUCTION:** All work performed within highway right of way shall conform to recognized construction standards and current Department Standard Specifications, Department Standard Plans High and Low Risk Facility Specifications, and Utility Special Provisions. Where reference is made to "Contractor and Engineer," these are amended to be read as "Permittee and Department representative."
8. **PLAN CHANGES:** Changes to plans, specifications, and permit provisions are not allowed without prior approval from the State representative.
9. **INSPECTION AND APPROVAL:** All work is subject to monitoring and inspection. Upon completion of work, permittee shall request a final inspection for acceptance and approval by the Department. The local agency permittee shall not give final construction approval to its contractor until final acceptance and approval by the Department is obtained.
10. **PERMIT AT WORKSITE:** Permittee shall keep the permit package or a copy thereof, at the work site and show it upon request to any Department representative or law enforcement officer. If the permit package is not kept and made available at the work site, the work shall be suspended.
11. **CONFLICTING ENCROACHMENTS:** Permittee shall yield start of work to ongoing, prior authorized, work adjacent to or within the limits of the project site. When existing encroachments conflict with new work, the permittee shall bear all cost for rearrangements, (e.g., relocation, alteration, removal, etc.).
12. **PERMITS FROM OTHER AGENCIES:** This permit is invalidated if the permittee has not obtained all permits necessary and required by law, from the Public Utilities Commission of the State of California (PUC), California Occupational Safety and Health Administration (Cal-OSHA), or any other public agency having jurisdiction.
13. **PEDESTRIAN AND BICYCLIST SAFETY:** A safe minimum passageway of 4' shall be maintained through the work area at existing pedestrian or bicycle facilities. At no time shall pedestrians be diverted onto a portion of the street used for vehicular traffic. At locations where safe alternate passageways cannot be provided, appropriate signs and barricades shall be installed at the limits of construction and in advance of the limits of construction at the nearest crosswalk or intersection to detour pedestrians to facilities across the street. Attention is directed to Section 7-1.09 Public Safety of the Department Standard Specifications.
14. **PUBLIC TRAFFIC CONTROL:** As required by law, the permittee shall provide traffic control protection warning signs, lights, safety devices, etc., and take all other measures necessary for traveling public's safety. While providing traffic control, the needs and control of all road users [motorists, bicyclists and pedestrians, including persons with disabilities in accordance with the Americans with Disabilities Act of 1990 (ADA)] shall be an essential part of the work activity.

Day and night time lane closures shall comply with the California Manual on Uniform Traffic Control Devices (Part 6, Temporary Traffic Control), Standard Plans, and Standard Specifications for traffic control systems. These General Provisions are not intended to impose upon the permittee, by third parties, any duty or standard of care, greater than or different from, as required by law.
15. **MINIMUM INTERFERENCE WITH TRAFFIC:** Permittee shall plan and conduct work so as to create the least possible inconvenience to the traveling public; traffic shall not be unreasonably delayed. On conventional highways, permittee shall place properly attired flagger(s) to stop or warn the traveling public in compliance with the California Manual on Uniform Traffic Control Devices (Chapter 6E, Flagger Control).
16. **STORAGE OF EQUIPMENT AND MATERIALS:** The storage of equipment or materials is not allowed within State highway right-of-way, unless specified within the Special Provisions of this specific encroachment permit. If Encroachment Permit Special Provisions allow for the storage of equipment or materials within the State right of way, the equipment and material storage shall comply with Standard Specifications, Standard Plans, Special Provisions, and the Highway Design Manual. The clear recovery zone widths must be followed and are the minimum desirable for the type of facility indicated below: freeways and expressways - 30', conventional highways (no curbs) - 20', conventional highways (with curbs) - 1.5'. If a fixed object cannot be eliminated, moved outside the clear recovery zone, or modified to be made yielding, it should be shielded by a guardrail or a crash cushion.
17. **CARE OF DRAINAGE:** Permittee shall provide alternate drainage for any work interfering with an existing drainage facility in compliance with the Standard Specifications, Standard Plans and/or as directed by the Department's representative.
18. **RESTORATION AND REPAIRS IN RIGHT OF WAY:** Permittee is responsible for restoration and repair of State highway right of way resulting from permitted work (State Streets and Highways Code, Sections 670 et. seq.).

19. **RIGHT OF WAY CLEAN UP:** Upon completion of work, permittee shall remove and dispose of all scraps, brush, timber, materials, etc. off the right of way. The aesthetics of the highway shall be as it was before work started.
20. **COST OF WORK:** Unless stated in the permit, or a separate written agreement, the permittee shall bear all costs incurred for work within the State right of way and waives all claims for indemnification or contribution from the State.
21. **ACTUAL COST BILLING:** When specified in the permit, the Department will bill the permittee actual costs at the currently set hourly rate for encroachment permits.
22. **AS-BUILT PLANS:** When required, permittee shall submit one (1) set of folded as-built plans within thirty (30) days after completion and approval of work in compliance with requirements listed as follows:
1. Upon completion of the work provided herein, the permittee shall send one vellum or paper set of As-Built plans, to the State representative. Mylar or paper sepia plans are not acceptable.
 2. All changes in the work will be shown on the plans, as issued with the permit, including changes approved by Encroachment Permit Rider.
 3. The plans are to be stamped or otherwise noted AS-BUILT by the permittee's representative who was responsible for overseeing the work. Any original plan that was approved with a State stamp, or Caltrans representative signature, shall be used for producing the As-Built plans.
 4. If As-Built plans include signing or striping, the dates of signing or striping removal, relocation, or installation shall be shown on the plans when required as a condition of the permit. When the construction plans show signing and striping for staged construction on separate sheets, the sheet for each stage shall show the removal, relocation or installation dates of the appropriate staged striping and signing.
 5. As-Built plans shall contain the Permit Number, County, Route, and Post Mile on each sheet.
 6. Disclaimer statement of any kind that differ from the obligations and protections provided by Sections 6735 through 6735.6 of the California Business and Professions Code, shall not be included on the As-Built plans. Such statements constitute non-compliance with Encroachment Permit requirements, and may result in the Department of Transportation retaining Performance Bonds or deposits until proper plans are submitted. Failure to comply may also result in denial of future permits, or a provision requiring a public agency to supply additional bonding.
23. **PERMITS FOR RECORD PURPOSES ONLY:** When work in the right of way is within an area under a Joint Use Agreement (JUA) or a Consent to Common Use Agreement (CCUA), a fee exempt permit is issued to the permittee for the purpose of providing a notice and record of work. The Permittee's prior rights shall be preserved without the intention of creating new or different rights or obligations. "Notice and Record Purposes Only" shall be stamped across the face of the permit.
24. **BONDING:** The permittee shall file bond(s), in advance, in the amount set by the Department. Failure to maintain bond(s) in full force and effect will result in the Department stopping of all work and revoking permit(s). Bonds are not required of public corporations or privately owned utilities, unless permittee failed to comply with the provision and conditions under a prior permit. The surety company is responsible for any latent defects as provided in California Code of Civil Procedures, Section 337.15. Local agency permittee shall comply with requirements established as follows: In recognition that

project construction work done on State property will not be directly funded and paid by State, for the purpose of protecting stop notice claimants and the interests of State relative to successful project completion, the local agency permittee agrees to require the construction contractor furnish both a payment and performance bond in the local agency's name with both bonds complying with the requirements set forth in Section 3-1.02 of State's current Standard Specifications before performing any project construction work. The local agency permittee shall defend, indemnify, and hold harmless the State, its officers and employees from all project construction related claims by contractors and all stop notice or mechanic's lien claimants. The local agency also agrees to remedy, in a timely manner and to State's satisfaction, any latent defects occurring as a result of the project construction work.

25. **FUTURE MOVING OF INSTALLATIONS:** Permittee understands and agrees to relocate a permitted installation upon notice by the Department. Unless under prior property right or agreement, the permittee shall comply with said notice at his sole expense.
26. **ARCHAEOLOGICAL/HISTORICAL:** If any archaeological or historical resources are revealed in the work vicinity, the permittee shall immediately stop work, notify the Department's representative, retain a qualified archaeologist who shall evaluate the site, and make recommendations to the Department representative regarding the continuance of work.
27. **PREVAILING WAGES:** Work performed by or under a permit may require permittee's contractors and subcontractors to pay appropriate prevailing wages as set by the Department of Industrial Relations. Inquiries or requests for interpretations relative to enforcement of prevailing wage requirements are directed to State of California Department of Industrial Relations, 525 Golden Gate Avenue, San Francisco, California 94102.
28. **RESPONSIBILITY FOR DAMAGE:** The State of California and all officers and employees thereof, including but not limited to the Director of Transportation and the Deputy Director, shall not be answerable or accountable in any manner for injury to or death of any person, including but not limited to the permittee, persons employed by the permittee, persons acting in behalf of the permittee, or for damage to property from any cause. The permittee shall be responsible for any liability imposed by law and for injuries to or death of any person, including but not limited to the permittee, persons employed by the permittee, persons acting in behalf of the permittee, or for damage to property arising out of work, or other activity permitted and done by the permittee under a permit, or arising out of the failure on the permittee's part to perform his obligations under any permit in respect to maintenance or any other obligations, or resulting from defects or obstructions, or from any cause whatsoever during the progress of the work, or other activity or at any subsequent time, work or other activity is being performed under the obligations provided by and contemplated by the permit.

The permittee shall indemnify and save harmless the State of California, all officers, employees, and State's contractors, thereof, including but not limited to the Director of Transportation and the Deputy Director, from all claims, suits or actions of every name, kind and description brought for or on account of injuries to or death of any person, including but not limited to the permittee, persons employed by the permittee, persons acting in behalf of the permittee and the public, or damage to property resulting from the performance of work or other activity under the permit, or arising out of the failure on the permittee's part to perform his obligations under any permit in respect to maintenance or any other obligations, or resulting from defects or obstructions, or from any cause whatsoever during the progress of the work, or other activity or at any subsequent time, work or other activity is being performed under the obligations provided by and contemplated by the permit, except as otherwise provided by statute.

The duty of the permittee to indemnify and save harmless includes the duties to defend as set forth in Section 2778 of the Civil Code. The permittee waives any and all rights to any type of expressed or implied indemnity against the State, its officers, employees, and State contractors. It is the intent of the parties that the permittee will indemnify and hold harmless the State, its officers, employees, and State's contractors, from any and all claims, suits or actions as set forth above regardless of the existence or degree of fault or negligence, whether active or passive, primary or secondary, on the part of the State, the permittee, persons employed by the permittee, or acting on behalf of the permittee.

For the purpose of this section, "State's contractors" shall include contractors and their subcontractors under contract to the State of California performing work within the limits of this permit,

29. **NO PRECEDENT ESTABLISHED:** This permit is issued with the understanding that it does not establish a precedent.
30. **FEDERAL CIVIL RIGHTS REQUIREMENTS FOR PUBLIC ACCOMMODATION:**
A. The permittee, for himself, his personal representative, successors in interest, and assigns as part of the consideration hereof, does hereby covenant and agree that:
1. No person on the grounds of race, color, or national origin shall be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination in the use of said facilities.
 2. That in connection with the construction of any improvements on said lands and the furnishings of services thereon, no discrimination shall be practiced in the selection and retention of first-tier subcontractors in the selection of second-tier subcontractors.
 3. That such discrimination shall not be practiced against the public in their access to and use of the facilities and services provided for public accommodations (such as eating, sleeping, rest, recreation), and operation on, over, or under the space of the right of way.
 4. That the permittee shall use the premises in compliance with all other requirements imposed pursuant to Title 15, Code of Federal Regulations, Commerce and Foreign Trade, Subtitle A. Office of the Secretary of Commerce, Part 8 (15 C.F.R. Part 8) and as said Regulations may be amended.
 5. That in the event of breach of any of the above nondiscrimination covenants, the State shall have the right to terminate the permit and to re-enter and repossess said land and the land and the facilities thereon, and hold the same as if said permit had never been made or issued.
31. **MAINTENANCE OF HIGHWAYS:** The permittee agrees, by acceptance of a permit, to properly maintain any encroachment. This assurance requires the permittee to provide inspection and repair any damage, at permittee's expense, to State facilities resulting from the encroachment.
32. **SPECIAL EVENTS:** In accordance with subdivision (a) of Streets and Highways Code Section 682.5, the Department of Transportation shall not be responsible for the conduct or operation of the permitted activity, and the applicant agrees to defend, indemnify, and hold harmless the State and the city or county against any and all claims arising out of any activity for which the permit is issued.

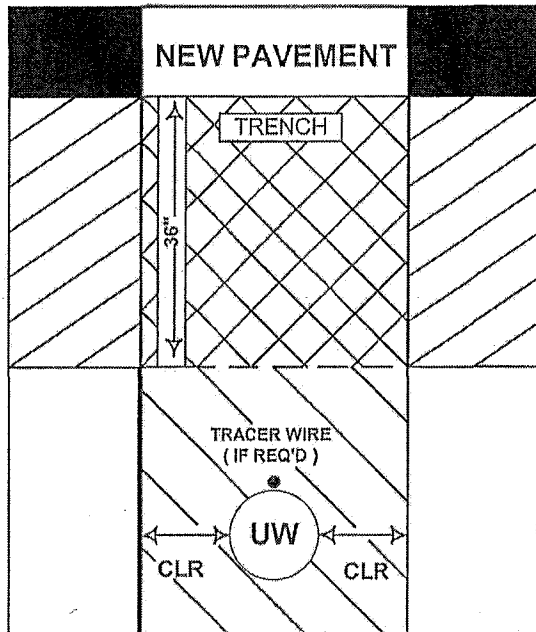
The permittee understands and agrees to comply with the obligations of Titles II and III of the Americans with Disabilities Act of 1990 in the conduct of the event, and further agrees to indemnify and save harmless the State of California, all officers and employees thereof, including but not limited to the Director of Transportation, from any claims or liability arising out of or by virtue of said Act.

33. **PRIVATE USE OF RIGHT OF WAY:** Highway right of way shall not be used for private purposes without compensation to the State.

The gifting of public property use and therefore public funds is prohibited under the California Constitution, Article 16.

34. **FIELD WORK REIMBURSEMENT:** Permittee shall reimburse State for field work performed on permittee's behalf to correct or remedy hazards or damaged facilities, or clear debris not attended to by the permittee.
35. **NOTIFICATION OF DEPARTMENT AND TMC:** The permittee shall notify the Department's representative and the Transportation Management Center (TMC) at least 7 days before initiating a lane closure or conducting an activity that may cause a traffic impact. A confirmation notification should occur 3 days before closure or other potential traffic impacts. In emergency situations when the corrective work or the emergency itself may affect traffic, TMC and the Department's representative shall be notified as soon as possible.
36. **SUSPENSION OF TRAFFIC CONTROL OPERATION:** The permittee, upon notification by the Department's representative, shall immediately suspend all lane closure operations and any operation that impedes the flow of traffic. All costs associated with this suspension shall be borne by the permittee.
37. **UNDERGROUND SERVICE ALERT (USA) NOTIFICATION:** Any excavation requires compliance with the provisions of Government Code Section 4216 et. seq., including, but not limited to notice to a regional notification center, such as Underground Service Alert (USA). The permittee shall provide notification at least 48 hours before performing any excavation work within the right of way.

TYPICAL TRENCH DETAIL



Existing Pavement
 (Existing HMA Pavement)

Existing Base

Existing Subgrade

New Pavement
 (New HMA Pavement)
 match existing + 1" - (MAX 7")

New Pavement Base

New Subgrade

UW - Width of Utility or Culvert HMA - Hot Mix Asphalt
 CLR - Clearance between product and trench wall TW - Trench Width
 CLSM - Controlled Low Strength Material

STRUCTURE BACKFILL SHALL CONFORM TO SECTION 19 - 3.06 OF THE STANDARD SPECIFICATIONS

SLURRY CEMENT BACKFILL SHALL CONFORM TO SECTION 19 - 3.062 OF THE STANDARD SPECIFICATIONS

HMA SHALL CONFORM TO SECTION 39 OF THE STANDARD SPECIFICATIONS

ALL METHODS OF COMPACTION SHALL BE BY MECHANICAL MEANS. PONDING, JETTING OR FLOODING SHALL NOT BE ALLOWED.

AGGREGATE BASE SHALL CONFORM TO SECTION 26 OF THE STANDARD SPECIFICATIONS

WHEN CLSM IS UTILIZED THE MIX DESIGN AND TEST RESULTS SHALL BE SUBMITTED TO THE STATE'S REPRESENTATIVE.

ALL WORK SHALL BE AS AUTHORIZED BY THE APPROVED ENCROACHMENT PERMIT PLANS, AND/OR AS DIRECTED BY THE STATE'S REPRESENTATIVE.

WHEN THE UW IS \geq 6" THEN THE MINIMUM CLR SHALL BE 6"

COLD PLANING AND RE-SURFACING OVERLAY SHALL BE PARALLEL TO THE ROADWAY AND TO THE NEAREST LANE LINE FOR THE ENTIRE LENGTH OF THE TRENCH/DISTURBED AREAS, AND/OR AS DIRECTED BY THE STATE'S REPRESENTATIVE.

WHEN COLD PLANING IS REQUIRED, THE MINIMUM SHALL BE 0.10' OR AS DIRECTED BY THE STATE'S REPRESENTATIVE TO ACCOMODATE FIELD CONDITIONS.

COLD PLANING MAY BE REQUIRED AT THE DIRECTION OF THE STATE'S REPRESENTATIVE TO ACCOMODATE THE PLACEMENT OF STEEL PLATES.

WHEN TRENCH PLACEMENT IS WITHIN 4' OF CURB & GUTTER, ADDITIONAL COLD PLANING MAY BE REQUIRED AT THE DISCRETION OF THE STATE'S REPRESENTATIVE.

ANY PAVEMENT MARKINGS AND/OR STRIPING REMOVED OR DAMAGED DURING CONSTRUCTION SHALL BE REPLACED AS DIRECTED BY THE STATE'S REPRESENTATIVE.

A TRACER WIRE SHALL BE PLACED ON TOP OF THE FACILITY, WHEN REQUIRED BY THE STATE'S REPRESENTATIVE.

OTHER TRENCH RELATED DETAILS ARE SHOWN IN FIGURE 6.1, CHAPTER 6 OF THE ENCROACHMENT PERMITS MANUAL.

A PAINT BINDER (TACK COAT) OF ASPHALTIC EMULSION CONFORMING TO SECTION 39-4.02, PRIME COAT & PAINT BINDER (TACK COAT) SHALL BE FURNISHED AND APPLIED.

NEW PAVEMENT BASE SHALL CONSIST OF EITHER CL II AGGREGATE BASE, 2-SACK SLURRY CEMENT, OR CLSM. WHEN TW IS < 24," CL II AGGREGATE BASE IS NOT RECOMMENDED FOR BACKFILL.

NEW SUBGRADE SHALL CONSIST OF EITHER CL II AGGREGATE BASE, 2-SACK SLURRY CEMENT, OR CLSM. WHEN TW IS < 24," CL II AGGREGATE BASE IS NOT RECOMMENDED FOR BACKFILL.

BACKFILL REQUIREMENTS

A. Backfill Within Existing or Proposed Paved Areas:

1. Material for use as structure backfill shall have a sand equivalent of not less than 20. The percentage composition by weight as determined by laboratory sieves shall conform to the following grading:

<u>Sieve Sizes</u>	<u>Percentage Passing Sieves</u>
3" -----	100
No. 4 -----	35-100
No. 30 -----	20-100

Backfill material shall be placed in horizontal, uniform layers not exceeding 8 in. in thickness, before compaction, and shall be brought up uniformly on all sides of the structure or facility. Each layer of backfill shall be compacted to a relative compaction of not less than 95 percent.

Controlled Low Strength Material (CLSM) shall be allowed for trench backfill if it meets Caltrans Standard Special Provisions 19-270-E and 19-270-M.

2. The upper 8 in. shall consist of 6 in. Class 1 high early strength portland cement concrete (7 sack Type III cement) or Class 1 portland cement concrete (7 sack Type II with 2 percent calcium chloride by weight of cement) and 2 in. of asphalt concrete extending outside the underlying trench a minimum distance of 6 in. on each side. Pavement shall be saw-cut a minimum of 2.5 in. deep to a neat, straight line. Traffic shall not be allowed across the trench area until the PCC has been poured and has had reasonable time to set and permanent or temporary AC paving is in place.
3. In cases where the trench width does not exceed 6 feet, requirement A2 may be waived and the following requirements substituted: the backfill material shall conform to A1 above and shall be thoroughly mixed with 2 sacks of portland cement per cubic yard. Placement and compaction shall conform to A.1. The upper portion shall consist of a tack coat of liquid asphalt and 4 in. asphalt concrete placed and compacted in two even lifts and rolled to a smooth even finish. Traffic shall not be allowed across the trench area until the AC paving is in place.
4. For paved shoulders only, upon express permission of the State's Inspector, Provision A may be waived and Provision 3 backfill requirements shall apply.

B. Backfill In Paved Shoulder Areas:

The backfill to within 12 in. of the existing or proposed profile grade shall conform to A1 above. The upper 12 in. shall consist of 8 in. Class 2 aggregate base compacted to a relative compaction of not less than 95 percent, covered with a tack coat of liquid asphalt and 4 in. asphalt concrete placed and compacted in two lifts and rolled to a smooth, even finish.

C. Backfill In Unpaved Shoulder Areas:

The backfill to within 12 in. of the existing or proposed profile grade shall conform to A1 above. The upper 12 in. shall consist of Class 2 aggregate base compacted to not less than 95 percent.

D. Backfill Outside of Highway Shoulders:

The backfill material may consist of material from excavation, free from stones or lumps exceeding 3 in., vegetable matter, or other unsatisfactory material, and shall be compacted in lifts not exceeding 8 in. to a relative compaction of 90 percent. When the material from excavation is unsuitable for use as backfill, it shall be disposed of and replaced with material meeting the above requirements of A1.

Excess material shall be disposed of outside the State right of way or at a location designated by the Department of Transportation's representative.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ENCROACHMENT PERMIT UNDERGROUND UTILITY PROVISIONS
 TR - 0163 (Rev. 03/2013)

Highway and Freeway encasement requirements for Transverse crossings of Utility installations, installed by the following methods. The pavement or roadway shall not be open-cut unless specifically allowed under a "UT" permit. Utility installations shall not be installed inside of culverts or drainage structures.

The installation of Uncased High Pressure Natural Gas pipelines, on a case by case basis may be allowed, when in compliance with TR-0158 Special Provisions, "Exception to Policy" for Uncased High Pressure Natural Gas Pipelines.

Encasement Requirements based on: Installation Method, Type of Highway Facility and Material Transported in carrier.						
Facility Type	Bore and Jack		Directional Drilling		Trenching	
	Frwy/Expwy	Conventional	Frwy/Expwy	Conventional	Frwy/Expwy	Conventional
High Risk (Section 605)	Encase	Encase	Encase	Encase	Encase	Encase
Low Risk (Section 605)	Encase	Encase	Encase	Encase	Encase	Encase
Exempt Facilities (Section 605)	Encase	Encase	Encase	Encase	Encase	Encase
Pressurized Fluids	Encase	Encase	Encase	Encase	Encase	Encase
Natural Gas Lines Minimum 7.5' Depth (Appendix H)	Encase	Encase	Encase	Encase	Encase	Encase
Gravity Flows	Encase	Encase	Encase	Encase	Encase	Encase

~~NOTE: The District Permit Engineer may waive at his/her discretion the encasement requirement when warranted.~~

UG 1. CASINGS:

Casings should be steel conduit with a minimum inside diameter sufficiently larger than the outside diameter of the pipe or ducts to accommodate placement and removal. The casing can be either new or used steel pipe, or an approved connector system. Used pipe shall be pre-approved by the Department's engineer or representative before installation.

When the method of Horizontal Directional Drilling is used to place casing, the use of High Density Polyethylene Pipe (HDPE) as casing is acceptable. In specific instances the approval of Headquarters Office of Encroachment Permits, may be required.

Reinforced Concrete Pipe (RCP) in compliance of State Standard Specifications is an acceptable carrier for storm drain gravity flow or non-pressure flow. RCP when installed by Bore & Jack shall have rubber gaskets at the joints, and holes for grouting of voids left by jacking operations, see "E" below.

- A. All pipes 6" or larger in diameter, or placement of multiple pipes or ducts, regardless of diameters, shall require encasement.
- B. Minimum wall thickness for steel pipe casing for different lengths and diameters of pipes are as follows:

Minimum Wall Thickness		
Casing Pipe (Diameter)	Up to 150 ft (Length)	Over 150 ft (Length)
6" to 28"	1/4"	1/4"
30" to 38"	3/8"	1/2"
40" to 60"	1/2"	3/4"
62" to 72"	3/4"	3/4"

- C. Spiral welded casing is authorized provided the casing is new and the weld is smooth.

- D. The ends of the casing shall be plugged with ungrouted bricks or other suitable material approved by the Department's representative.
- E. When required by the Department's representative, the permittee shall at his expense, pressure grout the area between the pavement and the casing from within the casing in order to fill any voids caused by the work covered under this permit. The increments for grout holes inside the pipe shall be 8' staggered and located 22-1/2 degrees from vertical axis of the casing. Pressure shall not exceed 5 psig for a duration sufficient to fill all voids.
- F. There is a spacing requirement when placement of multiple encasements is requested. The distance between multiple encasements shall be the greater of either 24" or twice that of the diameter of the larger pipe being installed.
- G. The casings placed within freeway right-of-way shall extend to the access control lines.
- H. Wing cutters, if used, shall be a maximum of 1" larger than the casing. Voids caused by the use of wing cutters shall be grouted in accordance with "E" above.
- I. A band welded to the leading edge of the casing should be placed square to the alignment. The band should not be placed on the bottom edge. Flaring the lead section on bores over 100' shall not be permitted.
- J. All casing lengths shall equal to the auger length.
- K. The casings within conventional highways shall extend 5' beyond the back of curb or edge of pavement, or to the right of way line if less. Where PCC cross-gutter exists, the casing shall extend at least 5' beyond the back of the cross-gutter, or to the right of way line if less.

Bore and receiving pits shall be:

- A. Located at least 10' or more from the edge of pavement on conventional highways in rural areas.
- B. Located 5' behind the concrete curb or AC dike on conventional highways in urban areas.
- C. Located 5' outside the toe of slope of embankment areas.

- D. Located outside freeway right of way.
- E. Adequately fenced and/or have a Type-K barrier placed around them.
- F. Adequately shored in accordance with Cal-OSHA requirements. Shoring for jacking and receiving pits located within 15' of traffic lanes on a State highway shall not extend more than 36" above the pavement grade unless otherwise authorized by Department's representative. Reflectors shall be affixed to the shoring on the sides facing traffic. A 6' chain link fence shall be installed around the perimeter of the pits during non-working hours.
- G. All pits should have crushed-rock and sump areas to clear groundwater and water used to clean the casing. Where ground water is found and pumping is required, the pits shall be lined with filter fabric.

**UG 2. DIRECTIONAL DRILLING:
Bore and Receiving Pits**

When directional drilling is the approved method for pipe installation, drilling plans shall contain information listed as follows:

1. Location of entry and exit point, access pit, equipment, and pipe staging area.
2. Proposed drill path alignment (horizontal and vertical).
3. Location and clearances of all other facilities.
4. Depth of cover.
5. Soil analysis.*
6. Carrier pipe length, diameter, thickness, and material (HDPE/steel) and ream pipe diameter.
7. Detailed carrier pipe calculations confirming ability to withstand installation loads and long term operational loads including H2O.
8. Proposed drilling fluid composition, viscosity, and density (based on soils analysis).
9. Drilling fluid pumping capacity, pressures, and flow rates
10. State right-of-way lines, property, and utility right of way or easement lines.
11. Elevations.
12. Type of tracking method/system and accuracy used.
13. A detailed plan for monitoring ground surface movement (settlement or heave) resulting from the drilling operation.

* May be waived by the District Permit Engineer for HDD jobs less than 6" in diameter and a traverse crossing less than 150'.

UG 3. LIMIT OF EXCAVATION:

No excavation is allowed within 10' from the edge of pavement except in curbed urban areas or as specified in the permit. Where no curb exists and excavations within 10' of the traveled way are to remain open, a temporary Type-K railing shall be placed at a 20:1 taper or as otherwise directed by the Department.

UG 4. TUNNELING:

Review, requirements of Section 623.6 of the Encroachment Permits Manual, if applicable. In addition to the requirements of "UG1" the following requirements apply:

- A. For the purpose of this provision, a tunnel is defined as any pipe, 30" or larger in diameter placed.
- B. When tunneling is authorized, the permittee shall provide full-time inspection of tunneling operations. The Department's representative shall monitor projects.

C. A survey grid shall be set and appropriately checked over the centerline of the pipe jacking or tunneling operation. Copies of the survey notes shall be submitted to the Department's representative.

D. Sand shields may be required as ground conditions change.

E. The method used to check the grade and alignment shall be approved by the Department's representative.

F. Pressure grouting for liner plates, rib and spiling, or rib and lagging tunnels shall be at every 8' section or at the end of work shift before the next section is excavated. All grouting shall be completed at the end of each workday.

G. A method for securing the headway at the end of each workday is required. Breastplates shall be installed during working hours for running sand or super-saturated soil.

UG 5. HIGH AND LOW RISK FACILITIES:

High and Low Risk Facilities, as defined in the Department's current Manual on High and Low Risk Underground Facilities, shall be installed with a minimum cover of 42".

UG 6. EXEMPT AND OTHER UNDERGROUND FACILITIES:

A. Exempt Facilities:

1. Gas service lines no larger than 2" in diameter or operating at 60 psig or less.
2. Underground electrical service conductors with a potential to ground of 300 volts or less.
3. Departmental owned electrical systems.

B. All facilities other than high and low risk shall have a minimum cover of 36" except for service connections, which shall have a minimum cover of 30".

UG 7. DETECTOR STRIP:

A continuous metallic detector strip shall be provided with non-metallic main installations. Service connections shall be installed at right angles to the centerline of the State highway where possible.

UG 8. BACKFILLING:

All backfilling shall conform to the applicable sections of the Department's Standard Specifications. Ponding or jetting methods of backfilling is prohibited.

Any required compaction tests shall be performed by a certified laboratory at no cost to the Department and the laboratory report furnished to the Department's representative.

UG 9. ROADWAY SURFACING AND BASE MATERIALS:

When the permit authorizes installation by the open cut method, surfacing and base materials and thickness thereof shall be as specified in the permit.

Temporary repairs to pavements shall be made and maintained upon completion of backfill until permanent repairs are made. Permanent repairs to pavements shall be made within thirty (30) days of completion of backfill unless otherwise specified by the Department. Temporary pavement patches shall be placed and maintained in a smooth riding plane free of humps and/or depressions.

UG 10. DAMAGE TO TREE ROOTS:

No tree roots over 3" will be cut within the tree drip line when trenching or other underground work is necessary adjacent to roadside trees. The roots that are 3" or more in diameter inside the tree drip line shall be tunneled under and wrapped in burlap and kept moist until the trench is refilled. Trenching machines may not be used under trees if the trunk or limbs will be damaged by their use.

If the trees involved are close together and of such size that it is impractical to protect all roots over 3" in diameter, or when roots are less than 4" in diameter, outside tree drip line, special arrangements may be made whereby pruning of the tree tops to balance the root loss can be done by the permittee under the close supervision of the District Landscape Specialist or District Tree Maintenance Supervisor. Manholes shall not be installed within 20' of any trunk.

UG 11. PIPES ALONG ROADWAY:

Pipes and conduits paralleling the pavement shall be located as shown on the plans or located outside of pavement as close as possible to the right-of-way line.

UG 12. BORROW AND WASTE:

Borrow and waste will be allowed within the work limits only as specified in the permit.

UG 13. MARKERS:

The permittee shall not place any markers that create a safety hazard for the traveling public or departmental employees.

UG 14. CATHODIC PROTECTION:

The permittee shall perform stray current interference tests on underground utilities under cathodic protection. The permittee shall notify the Department prior to the tests. The permittee shall perform any necessary corrective measures and advise the Department.

UG 15. TIE-BACKS:

- A. Tie-backs shall be placed for the sole purpose of supporting shoring and/or soldier piles placed outside State highway rights-of-way to facilitate permittee's excavation.
- B. Tiebacks shall be disconnected from the shoring and/or soldier piles one (1) year prior to releasing the bond.

UG 16. INSTALLATION BY OPEN CUT METHOD:

When the permit authorizes installation by the open cut method no more than one lane of the highway pavement shall be open-cut at any one time. Any exceptions shall be in writing by the Department's representative. After the pipe is placed in the open section, the trench is to be backfilled in accordance with specifications, temporary repairs made to the surfacing and that portion opened to traffic before the pavement is cut for the next section.

If, at the end of the working day, backfilling operations have not been properly completed, steel plate bridging shall be required to make the entire highway facility available to the traveling public in accordance with the Steel Plate Bridging Special Provisions (TR-0157)

UG 17. PAVEMENT REMOVAL:

PCC pavement to be removed shall be saw cut at a minimum depth of 4" to provide a neat and straight pavement break along both sides of the trench. AC pavement shall be saw cut to the full depth.

Where the edge of the trench is within 2' of existing curb and gutter or pavement edge, the asphalt concrete pavement between the trench and the curb or pavement edge shall be removed.

UG 18. MAINTAIN ACCESS:

Where facilities exist (sidewalks, bike paths), a minimum width of 4' shall be maintained at all times for safe pedestrian and bicyclist passage through the work area.

UG 19. SIDES OF OPEN-CUT TRENCHES:

Sides of open cut trenches in paved areas shall be kept as nearly vertical as possible. Trenches shall not be more the 2' wider than the outside diameter of the pipe to be laid therein, plus the necessary width to accommodate shoring.

UG 20. EXCAVATION UNDER FACILITIES:

Where it is necessary to excavate under existing curb and gutter, or underground facilities, the void shall be backfilled with two (2) sack cement-sand slurry.

UG 21. PERMANENT REPAIRS TO PCC PAVEMENT:

Repairs to PCC pavement shall be made of Portland Cement Concrete containing a minimum of 658 lbs. or 7 sack of cement per cubic yard. Replaced PCC pavement shall equal existing pavement thickness. The concrete shall be satisfactorily cured and protected from disturbance for not less than forty-eight (48) hours. Where necessary to open the area to traffic, no more than two (2%) percent by weight of calcium chloride may be added to the mix and the road opened to traffic after six (6) hours.

UG 22. REMOVAL OF PCC SIDEWALKS OR CURBS:

Concrete sidewalks or curbs shall be saw cut to the nearest score marks and replaced equal in dimension to that removed with score marks matching existing sidewalk or curb.

UG 23. SPOILS:

No earth or construction materials shall be dragged or scraped across the highway pavement, and no excavated earth shall be placed or allowed to remain at a location where it may be tracked on the highway traveled way, or any public or private approach by the permittee's construction equipment, or by traffic entering or leaving the highway traveled way. Any excavated earth or mud so tracked onto the highway pavement or public or private approach shall be immediately removed by the permittee.

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
ENCROACHMENT PERMIT STEEL PLATE BRIDGING UTILITY PROVISIONS

TR -0157 (Rev. 07/2009)

To accommodate excavation work, steel plate bridging may be necessary. All conditions for use of steel plate bridging should be set forth in the special provisions.

Consideration of steel plate bridging should take into account the following factors:

1. Traffic speed
2. Traffic Volume and Composition
3. Duration and dimensions (width & daily estimated lengths) of the proposed excavation
4. Weather conditions

When backfilling operations of an excavation in the traveled way, whether transverse or longitudinal, cannot be properly completed within a work day, steel plate bridging with a non-skid surface and shoring (see Trenching & Shoring) may be required to preserve unobstructed traffic flow. In such cases, the following conditions shall apply:

1. Steel plate bridging on freeways is not allowed.
2. Steel plates used for bridging must extend a minimum of 12" beyond the edges of the trench.
3. Steel plate bridging shall be installed to operate with minimum noise.
4. The trench shall be adequately shored, (as mentioned in Section 629 of the Encroachment Permits Manual) to support the bridging and traffic loads.
5. Temporary paving with cold asphalt concrete shall be used to feather the edges of the plates, if plate installation by Method (2) described below, is used.
6. Bridging shall be secured against displacement by using adjustable cleats, shims, or other devices.

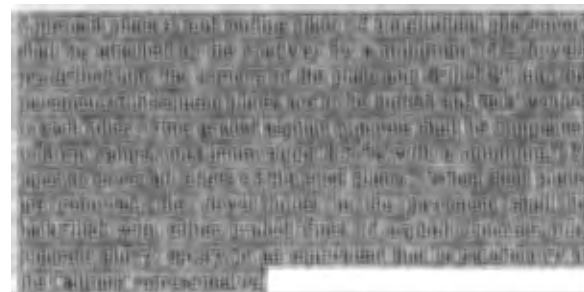
As required by the district, steel plate bridging and shoring shall be installed using either Method (1) or (2):

Method 1 For speeds of 45 MPH or greater

The pavement shall be cold planed to a depth equal to the thickness of the plate and to a width and length equal to the dimensions of the plate.



Method 2 For Speeds less than 45 mph:



The permittee is responsible for maintenance of the steel plates, shoring, asphalt concrete ramps, and ensuring that they meet minimum specifications. Unless specifically noted or granted in the special provisions, or approved by the State representative, steel plate bridging shall not exceed 4 consecutive working days in any given week. Backfilling of excavations shall be covered with a minimum 3" temporary layer of cold asphalt concrete.

The following table shows the advisory minimal thickness of steel plate bridging required for a given trench width (A-36 grade steel, designed for HS20-44 truck loading per Caltrans Bridge Design Specifications Manual).

Trench Width	Minimum Plate Thickness
10"	One-half inch - 1/2"
1'-11"	Three-quarters inch - 3/4"
2'-7"	Seven-eighths inch - 7/8"
3'-5"	One inch - 1"
5'-3"	One & three-quarter inch - 1 3/4"

NOTE: For spans greater than 5'-3", a structural design shall be prepared by a California registered civil engineer.

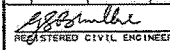

All steel plates within the right of way whether used in or out of the traveled way shall be without deformation. Inspectors can determine the trueness of steel plates by using a straight edge and should reject any plate that is permanently deformed.

Steel plates used in the traveled portion of the highway shall have a surface that was manufactured with a nominal Coefficient Of Friction (COF) of 0.35 as determined by California Test Method 342 (See Appendix H, Encroachment Permits Manual). If a different test method is used, the permittee may utilize standard test plates with known coefficients of friction available from each Caltrans District Materials Engineer to correlate skid resistance results to California Test Method 342. Based on the test data, the permittee shall determine what amount of surface wear is acceptable, and independently ascertain when to remove, test, or resurface an individual plate.

Caltrans Inspectors should not enforce plate removal unless it is permanently deformed or delivered without the required surfacing. However, an inspector should document in a diary all contacts with the contractor.

A Rough Road sign (W8-8) with black lettering on an orange background may be used in advance of steel plate bridging. This sign is used along with any other required construction signing.

Surfacing requirements are not necessary for steel plates used in parking strips, on shoulders not used for turning movements, or on connecting driveways, etc., not open to the public.

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
 REGISTERED CIVIL ENGINEER					
July 19, 2013 PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THESE PLANS.</small>					
					

TO ACCOMPANY PLANS DATED _____

TABLE 1

TAPER LENGTH CRITERIA AND CHANNELIZING DEVICE SPACING							
SPEED (S)	MINIMUM TAPER LENGTH * FOR WIDTH OF OFFSET 12 FEET (W)				MAXIMUM CHANNELIZING DEVICE SPACING		
	TANGENT 2L	MERCING L	SHIFTING L/2	SHOULDER L/3	X	Y	Z **
					TAPER	TANGENT	CONFLICT
mph	ft	ft	ft	ft	ft	ft	ft
20	160	80	40	27	20	40	10
25	250	125	63	42	25	50	12
30	360	180	90	60	30	60	15
35	490	245	123	82	35	70	17
40	640	320	160	107	40	80	20
45	1080	540	270	180	45	90	22
50	1200	600	300	200	50	100	25
55	1320	660	330	220	55	110	27
60	1440	720	360	240	60	120	30
65	1560	780	390	260	65	130	32
70	1680	840	420	280	70	140	35

* - For other offsets, use the following merging taper length formula for L:
 For speed of 40 mph or less, $L = WS^2/60$
 For speed of 45 mph or more, $L = WS$

where: L = Taper length in feet

W = Width of offset in feet

S = Posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

** - Use for taper and tangent sections where there are no pavement markings or where there is a conflict between existing pavement markings and channelizers (CA).

TABLE 2

LONGITUDINAL BUFFER SPACE AND FLAGGER STATION SPACING				
SPEED *	Min D **	DOWNGRADE Min D ***		
		-3%	-6%	-9%
		ft	ft	ft
mph	ft	ft	ft	ft
20	115	116	120	126
25	155	158	165	173
30	200	205	215	227
35	250	257	271	287
40	305	315	333	354
45	360	378	400	427
50	425	446	474	507
55	495	520	553	593
60	570	598	638	686
65	645	682	728	785
70	730	771	825	891

* - Speed is posted speed limit, off-peak 85th-percentile speed prior to work starting, or the anticipated operating speed in mph

** - Longitudinal buffer space or flagger station spacing

*** - Use on sustained downgrades steeper than -3 percent and longer than 1 mile.

TABLE 3

ADVANCE WARNING SIGN SPACING			
ROAD TYPE	DISTANCE BETWEEN SIGNS *		
	A	B	C
	ft	ft	ft
URBAN - 25 mph OR LESS	100	100	100
URBAN - MORE THAN 25 mph TO 40 mph	250	250	250
URBAN - MORE THAN 40 mph	350	350	350
RURAL	500	500	500
EXPRESSWAY / FREEWAY	1000	1500	2640

* - The distances are approximate, are intended for guidance purposes only, and should be applied with engineering judgment. These distances should be adjusted by the Engineer for field conditions, if necessary, by increasing or decreasing the recommended distances.

2010 REVISED STANDARD PLAN RSP T9

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL SYSTEM TABLES
 FOR LANE AND RAMP CLOSURES**

NO SCALE

RSP T9 DATED JULY 19, 2013 SUPERSEDES RSP T9 DATED APRIL 19, 2013
 THAT SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T9

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER
Signature
 April 19, 2013
 PLANS APPROVAL DATE
 STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF DRAWN COPIES OF THIS PLAN SHEET.

NOTES:

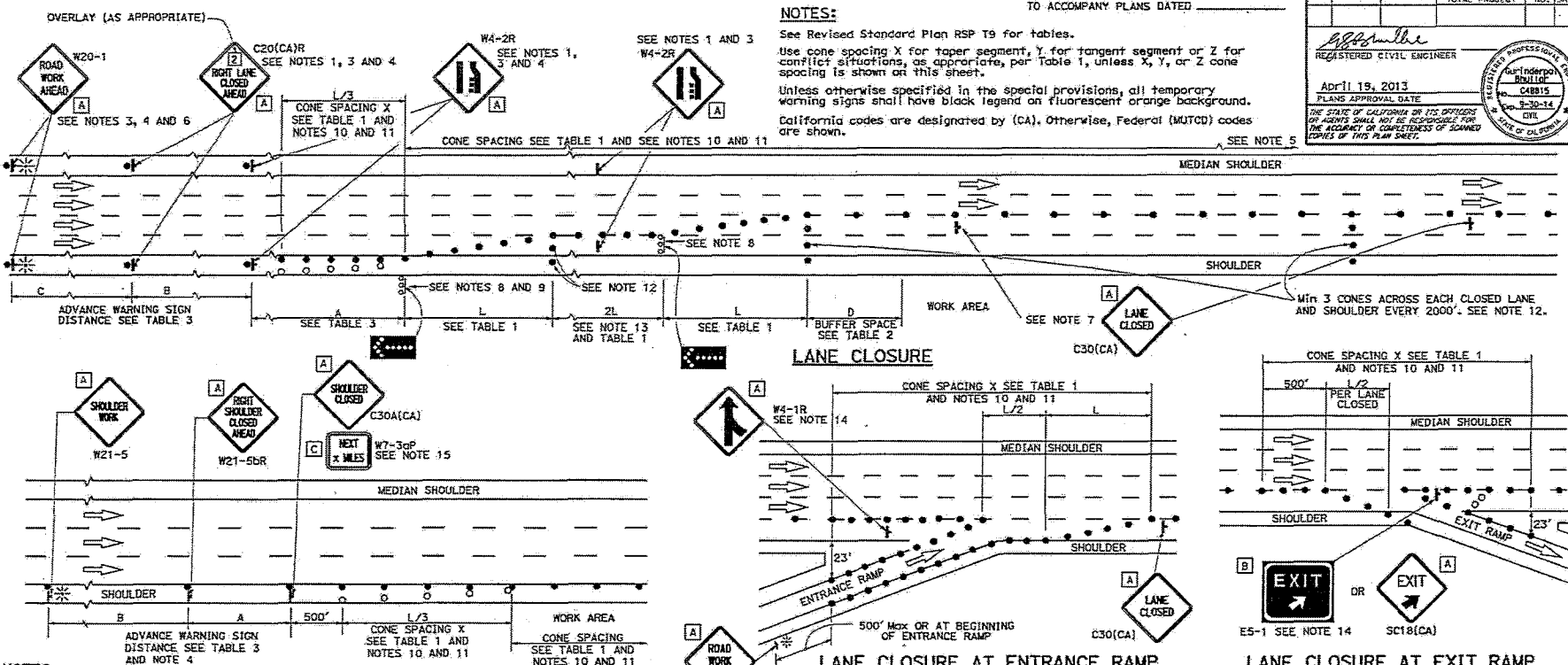
TO ACCOMPANY PLANS DATED _____

See Revised Standard Plan RSP T9 for tables.

Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as appropriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.

Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.

California codes are designated by (CA), Otherwise, Federal (MUTCD) codes are shown.



- NOTES:**
- Median lane closures shall conform to the details as shown except that C20(CA)L and W4-2L signs shall be used.
 - At least one person shall be assigned to provide full time maintenance of traffic control devices for lane closures.
 - Duplicate sign installations are not required:
 - On opposite shoulder if at least one-half of the available lanes remain open to traffic.
 - In the median if the width of the median shoulder is less than 8' and the outside lanes are to be closed.
 - Each advance warning sign on each side of the roadway shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. Flashing beacons shall be placed at the locations indicated for lane closure during hours of darkness.
 - A G20-2 "END ROAD WORK" sign, with minimum size of 48" x 24" as appropriate, shall be placed at the end of the lane closure unless the end of work area is obvious or ends within a larger project's limits.

- SHOULDER CLOSURE**
- If the W20-1 sign would follow within 2000' of a stationary W20-1 or G20-1 "ROAD WORK NEXT _____ MILES", use a C20(CA) sign for the first advance warning sign.
 - Place a C30(CA) sign every 2000' throughout length of lane closure.
 - One flashing arrow sign for each lane closed. The flashing arrow signs shall be Type I.
 - A minimum 1500' of sight distance shall be provided where possible for vehicles approaching the first flashing arrow sign. Lane closures shall not begin at top of crest vertical curve or on a horizontal curve.
 - All cones used for lane closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
 - Portable delineators, placed at one-half the spacing indicated for traffic cones may be used instead of cones for daytime closures only.

- Unless otherwise specified in the special provisions, a minimum of 3 cones shall be placed transversely across each closed lane and shoulder at each location where a taper across a traffic lane ends and every 2000' as shown on the "Lane Closure" detail. Two Type II barricades may be used instead of the 3 cones. The transverse alignment of the cones or barricades on the closed shoulder may be shifted from the transverse alignment to provide access to the work.
- Unless otherwise specified in the special provisions, the 2L tangent shown along lane lines shall be used between the L tapers required for each closed traffic lane.
- Unless otherwise specified in the special provisions, the E5-1 or SC18(CA) and W4-1 signs shall be used as shown.
- A W7-30P "NEXT _____ MILES" plaque must be used if the shoulder closure extends beyond the distance that can be perceived by road users.

LEGEND

- TRAFFIC CONE
- TRAFFIC CONE (OPTIONAL TAPER)
- ⬇ TEMPORARY TRAFFIC CONTROL SIGN
- ⬇ FLASHING ARROW SIGN (FAS)
- ⬇ FAS SUPPORT OR TRAILER
- ⬇ PORTABLE FLASHING BEACON

SIGN PANEL SIZE (Min)

A	48" x 48"
B	72" x 60"
C	36" x 30"

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**TRAFFIC CONTROL SYSTEM
FOR LANE CLOSURE ON
FREEWAYS AND EXPRESSWAYS**

NO SCALE

RSP T10 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T10
DATED MAY 20, 2011 - PAGE 237 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T10

TYPICAL RAMP CLOSURES

SIGN PANEL SIZE (Min)

- A 48" x 48"
- B 48" x 30"
- C 36" x 36"
- D 48" x 36"

LEGEND

- TRAFFIC CONE
- ⊥ TEMPORARY TRAFFIC CONTROL SIGN
- ⚡ BARRICADES
- ⚡ PORTABLE FLASHING BEACON

DATE	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
April 19, 2013					

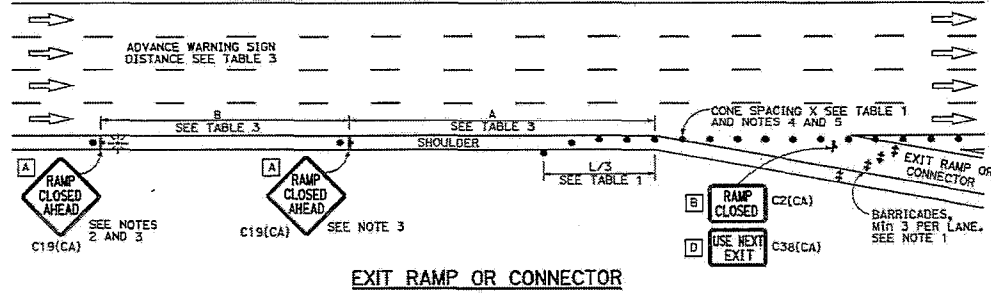
REGISTERED CIVIL ENGINEER
 April 19, 2013
 PLANS APPROVAL DATE
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

TO ACCOMPANY PLANS DATED _____

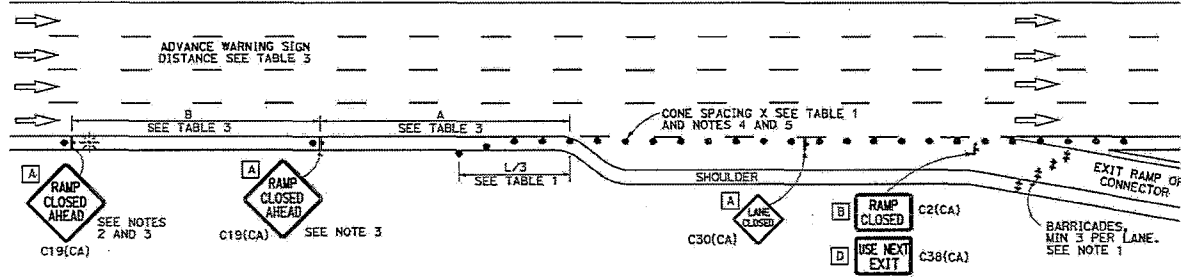
NOTES:

- Barricades shall be Type I, II, or III for closures lasting one week or less and Type III for closures lasting longer than one week.
- In addition to placing the C19(CA) "RAMP CLOSED AHEAD" and C30(CA) "RAMP CLOSED" signs, block on orange overlay plates with the word "CLOSED" may be mounted, as directed by the Engineer, on all guide signs that refer to the closed ramp. The letter size on the overlay shall be the same as the guide sign.
- Each advance C19(CA) "RAMP CLOSED AHEAD" sign shall be equipped with at least two flags for daytime closure. Each flag shall be at least 16" x 16" in size and shall be orange or fluorescent red-orange in color. A flashing beacon shall be placed on top of the first C19(CA) sign during hours of darkness.
- All cones used for ramp closures during the hours of darkness shall be fitted with retroreflective bands (or sleeves) as specified in the specifications.
- Portable delineators, placed at one-half the spacing indicated for traffic cones, may be used instead of cones for daytime ramp closures only.
- At least one person shall be assigned to provide full time maintenance of traffic control devices, unless otherwise directed by the Engineer.
- The existing "EXIT" signs shall be covered during ramp closures.
- A minimum of 3 cones shall be placed transversely across each closed lane and shoulder.

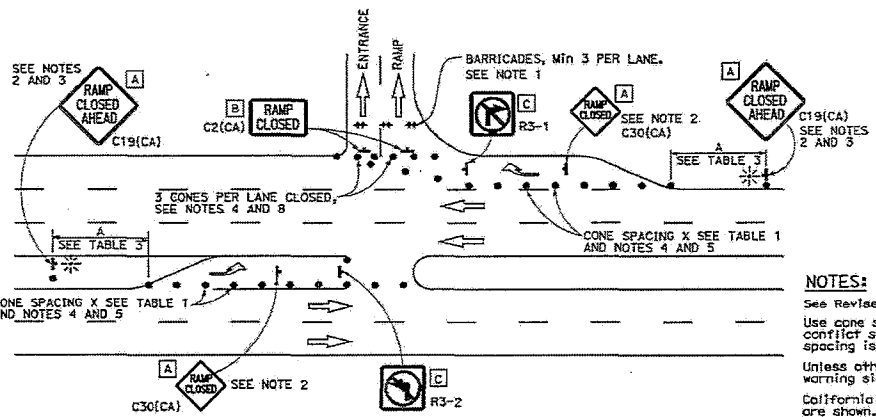
2010 REVISED STANDARD PLAN RSP T14



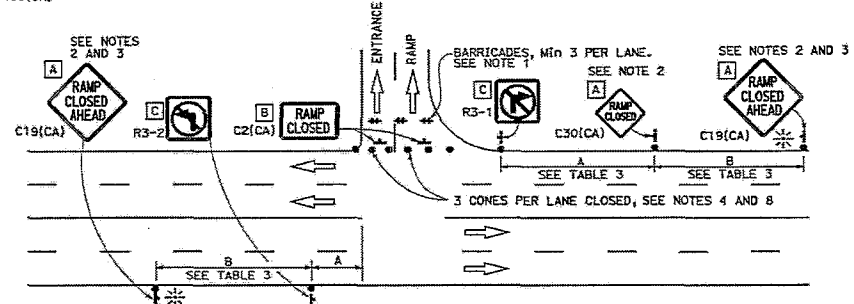
EXIT RAMP OR CONNECTOR



EXIT RAMP OR CONNECTOR WITH ADDITIONAL LANE



ENTRANCE RAMP WITH TURNING POCKETS



ENTRANCE RAMP WITHOUT TURNING POCKETS

NOTES:

- See Revised Standard Plan RSP T9 for tables.
- Use cone spacing X for taper segment, Y for tangent segment or Z for conflict situations, as appropriate, per Table 1, unless X, Y, or Z cone spacing is shown on this sheet.
- Unless otherwise specified in the special provisions, all temporary warning signs shall have black legend on fluorescent orange background.
- California codes are designated by (CA). Otherwise, Federal (MUTCD) codes are shown.

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**TRAFFIC CONTROL SYSTEM
 FOR RAMP CLOSURE**
 NO SCALE

RSP T14 DATED APRIL 19, 2013 SUPERSEDES STANDARD PLAN T14
 DATED MAY 20, 2011 - PAGE 242 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP T14

Chart No. 1 Complete Ramp Closure Hours																											
County: SD	Route/Direction: 8/EB												PM: 3.758														
Closure Limits: EB 8 Off-ramp to SB Texas St																											
FROM HOUR TO HOUR	24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24		
Mondays through Thursdays	C	C	C	C	C																			C	C	C	
Fridays	C	C	C	C	C																						
Saturdays																											
Sundays																									C	C	C

Legend:

C Ramp may be closed completely

Work permitted within project right of way where shoulder or lane closure is not required.

REMARKS:

NOTE: When an Off-ramp is closed completely, place a PCMS (Portable Changeable Message Sign) in the direction of travel allowing the traffic the option to use the preceding Off-ramp and warning them of the ramp closure ahead.

PN - 1115NUT0303 - (1/3) - 05/15/2015 (AVO)



Chart No. 2 Complete Ramp Closure Hours																										
County: SD					Route/Direction: 8/EB										PM: 3.758 3.759 4.039											
Closure Limits: EB 8 Off-ramp to SB Texas St EB 8 Off-ramp to NB Texas St/Qualcomm Way EB 8 On-ramp from SB Qualcomm Way																										
FROM HOUR TO HOUR 24 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24																										
Mondays through Thursdays					C	C	C	C	C															C	C	C
Fridays					C	C	C	C	C																	
Saturdays																										
Sundays																								C	C	C
Legend:																										
<input type="checkbox"/> C Ramp may be closed completely (if needed)																										
<input type="checkbox"/> Work permitted within project right of way where shoulder or lane closure is not required.																										
REMARKS: No simultaneous closures of consecutive Off-ramps or On-ramps will be allowed.																										
NOTE: When an Off-ramp is closed completely, place a PCMS (Portable Changeable Message Sign) in the direction of travel allowing the traffic the option to use the preceding Off-ramp and warning them of the ramp closure ahead.																										

PN - 1115NUT0303 - (2/3) - 05/15/2015 (AVO)



**Chart No. 3
Complete Ramp Closure Hours**

County: SD	Route/Direction: 8/EB	PM: 3.758 3.759 4.039 4.040
Closure Limits: EB 8 Off-ramp to SB Texas St EB 8 Off-ramp to NB Texas St/Qualcomm Way EB 8 On-ramp from SB Qualcomm Way EB 8 On-ramp from NB Texas St		
FROM HOUR TO HOUR		24 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
Mondays through Thursdays	S S	
Fridays	S S	
Saturdays	S S	
Sundays	S S	
Legend: <input type="checkbox"/> S Shoulder closure permitted (also for placement of signs, if needed) <input type="checkbox"/> Work permitted within project right of way where shoulder or lane closure is not required.		
REMARKS: Shoulder closure days/hours may also be used to access CT ROW. This chart to be used a maximum of two months only.		

PN-1115NUT0303 - (3/3) - 05/15/2015 (AVO)

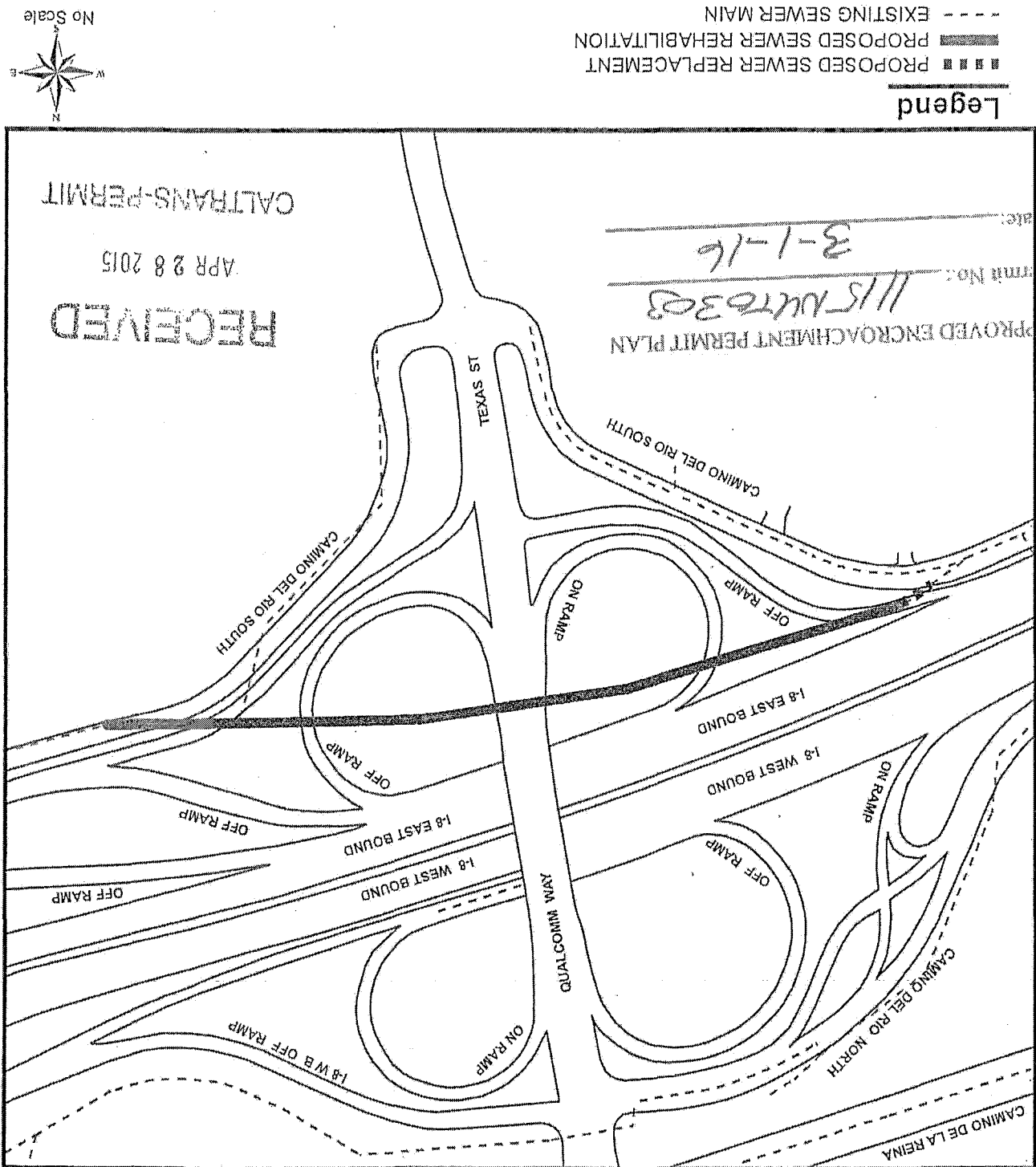




WBS: B14068

COUNCIL DISTRICT: 7

COMMUNITY NAME: MISSION VALLEY



Legend

- PROPOSED SEWER REPLACEMENT
- PROPOSED SEWER REHABILITATION
- EXISTING SEWER MAIN

SOUTH MISSION VALLEY TRUNK SEWER ACCELERATED PROJECT

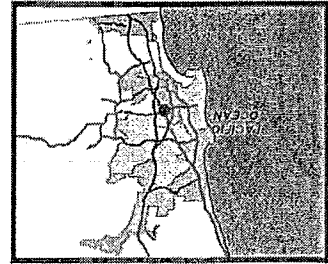
PROJECT MANAGER
JERICHO GALLARDO
619-533-7523

SENIOR ENGINEER
SHEILA BOSE
619-533-4688

PROJECT ENGINEER
JOSELITO GUINTO
619-533-5474

CONSTRUCTION PROJECT
INFORMATION LINE
(619) 533-4207

PUBLIC WORKS
CITY OF SAN DIEGO
DEPARTMENT



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SOUTH MISSION VALLEY TRUNK SEWER ACCELERATED PROJECT

CONTRACTOR'S RESPONSIBILITIES

1. PURSUANT TO SECTION 4206 OF THE GOVERNMENT CODE, AT LEAST 7 WORKING DAYS PRIOR TO ANY EXCAVATION, YOU MUST CONTACT THE REGIONAL NOTIFICATION CENTER (R.N.C.) UNDERGROUND SERVICE ALERT OF SOUTHERN CALIFORNIA AND OBTAIN AN INQUIRY IDENTIFICATION NUMBER.
2. NOTIFY SDGE AT LEAST 10 WORKING DAYS PRIOR TO EXCAVATING WITHIN 10' OF SDGE UNDERGROUND HIGH VOLTAGE TRANSMISSION POWER LINES, I.E., 69 KV & HIGHER.
3. LOCATE AND RECONSTRUCT ALL SEWER LATERALS. LOCATIONS AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY. LATERAL RECORDS ARE AVAILABLE TO THE CONTRACTOR AT THE WATER DEPARTMENT, 2707 CAMINO QUILCOMA. LOCATE THE IMPROVEMENTS THAT WILL BE AFFECTED BY LATERAL REPLACEMENTS.
4. THE LOCATIONS OF EXISTING BUILDINGS AS SHOWN ON THE PLAN ARE APPROXIMATE.
5. STORM DRAIN INLETS REMAIN FUNCTIONAL AT ALL TIMES DURING CONSTRUCTION.
6. UNLESS OTHERWISE NOTED AS PREVIOUSLY POTHOLED (P.H.), ELEVATIONS SHOWN ON THE PROFILE FOR EXISTING UTILITIES ARE BASED ON A SEARCH OF THE AVAILABLE RECORD INFORMATION ONLY AND ARE SOLELY FOR THE CONTRACTOR'S CONVENIENCE. THE CITY DOES NOT GUARANTEE THAT IT HAS REVIEWED ALL AVAILABLE DATA. THE CONTRACTOR SHALL POTHOLE ALL EXISTING UTILITIES EITHER SHOWN ON THE PLANS OR MARKED IN THE FIELD IN ACCORDANCE WITH THE SPECIFICATIONS SECTION S-4.
7. EXISTING UTILITY CROSSING AS SHOWN ON THE PLANS ARE APPROXIMATE AND ARE NOT REPRESENTATIVE OF ACTUAL LENGTH AND LOCATION OF CONFLICT AREAS, SEE PLAN VIEW.

SHEET INDEX

SHEET NO.	DISCIPLINE CODE	TITLE	LIMITS	PIPE		LENGTH (F-T)
				SIZE	MATERIAL	
1	G-1	COVER SHEET				
2	C-1	CAMINO DEL RIO SOUTH	E/O CAMINO DEL RIO SOUTH TO W/O QUILCOMA WAY	24	SEWER	49.6
2	C-1	CAMINO DEL RIO SOUTH	E/O CAMINO DEL RIO SOUTH TO W/O QUILCOMA WAY	24	REHAB	592.00
3	C-2	QUILCOMA WAY	W/O QUILCOMA WAY TO E/O QUILCOMA WAY	24	REHAB	333.00
3	C-2	QUILCOMA WAY	W/O QUILCOMA WAY TO E/O QUILCOMA WAY	24	REHAB	409.49
4	C-3	CAMINO DEL RIO SOUTH	E/O QUILCOMA WAY TO CAMINO DEL RIO SOUTH	24	REHAB	279.50
5	S-2	WATER POLLUTION CONTROL SITE PLAN				TOTAL SEWER 1663.29
TOP-TO-BOTTOM TRAFFIC PLANS						

DISCIPLINE CODE

- G GENERAL
- C CIVIL
- T TRAFFIC

WORK TO BE DONE

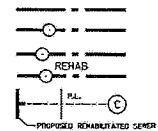
CONSTRUCTION OF SOUTH MISSION VALLEY TRUNK SEWER PROJECT CONSISTS OF THE INSTALLATION OF APPROXIMATELY 49 LINEAR FEET OF NEW 24" SEWER MAIN, THE REHABILITATION OF APPROXIMATELY 1002 LINEAR FEET OF EXISTING 24" INCH SEWER MAIN AND APPROXIMATELY 62 LINEAR FEET OF EXISTING 24" INCH SEWER MAIN, AND THE REHABILITATION OF 4 EXISTING MANHOLES INCLUDING TRAFFIC CONTROL PLANS, AND ALL OTHER WORK AND APPURTENANCES IN ACCORDANCE WITH THESE SPECIFICATIONS AND DRAWINGS NUMBERED 38099-01-D THROUGH 38099-7-D.

LEGEND

- ### IMPROVEMENTS
- TRENCH RESURFACING
 - SEWER MAIN
 - SEWER MANHOLE/PVC LINED
 - REHAB. EX. SEWER MANHOLE
 - SEWER MAIN REHAB.
 - SEWER LATERAL CONNECTION TO REHABILITATED SEWER

- ### REFERENCE
- S00-107, S00-108
 - S05-101, S05-100 (TYPE D)
 - S05-106, S05-107, S05-108, S05-109, S05-100, M-1, S04-07
 - SEE PLANS & SPECS
 - SEE PLANS & SPECS
 - SEE PLANS & SPECS

SYMBOL



APPROVED ENCROACHMENT PERMIT PLAN

Permit No: 1115 NWT0303
Date: 3-1-16

STORM WATER PROTECTION

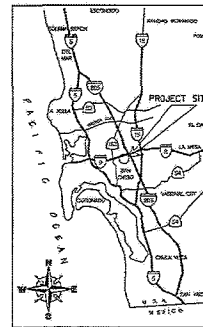
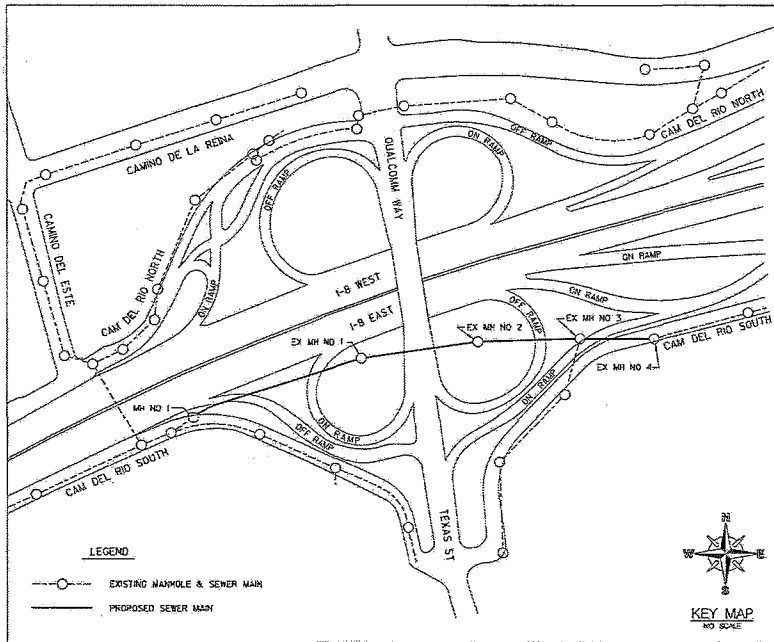
1. THIS PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT ORDER NO. B9-2007-0001 AND WPCP.
2. THIS PROJECT WILL EXCEED THE MAXIMUM DISTURBED AREA LIMIT, THEREFORE A WEATHER TRIGGERED ACTION PLAN (WTAP) IS REQUIRED.
3. THIS PROJECT WILL FOLLOW PHASED GRADING NOT TO EXCEED FIVE ACRES PER PHASE.

ABBREVIATIONS

ABAND	ABANDON	EL	ELEV	ELEVATION	PVC	POLYVINYL CHLORIDE
ABANDD	ABANDONED	ELEC	ELECTR	ELECTRIC	PROP	PROPOSED
AC	ASBESTOS CEMENT PIPE	EX	EXIST	EXISTING	REQD	REQUIRED
AHD	AHEAD	E/O	EAST OF		RT	RIGHT
ASSY	ASSEMBLY	F	FLANGE		S	SURVEY LINE
BVY	BUTTERFLY VALVE	PH	FIRE HYDRANT		SD	STUD DIRT
BR	BACK	PS	FIRE SERVICE		S/O	SOUTH OF
BVBR	BELTRESH	GV	GATE VALVE		SWR	SEWER
CACTV	CABLE TV	HP	HIGH PRESSURE		TEL	TELEPHONE
CI	CAST IRON PIPE	HT	HIGH TEMPERATURE		UNK	UNKNOWN
C	CONTEXT LINE	HT	INVERT ELEVATION		VC	VITRIFIED CLAY PIPE
CONC	CONCRETE	LT	LEFT		W	WATER
CONTR	CONTRACTOR	MJ	MECHANICAL JOINT		WTR	WATER METER
CS	CAST IRON	M/O	NORTH OF		W/O	WEST OF
EB	ENCASED BURIED	OWHD	OVER HEAD			

EXISTING STRUCTURES

EX WATER MAIN & VALVES	---
EX WATER METER	○
EX FIRE HYDRANT	□
EX SEWER MAIN & MANHOLES	---
EX DRAINS	---
EX PAVEMENT (PROF'LED)	///
EX GROUND LINE (PROF'LED)	---
EX TRAFFIC SIGNAL	○
EX STREET LIGHT	+ SL
GAS MAIN	---
ELEC. COND., TEL. CORD., CATV	---



VICINITY MAP NOT TO SCALE
RECEIVED
JAN 07 2016
CALTRANS-PERMIT

FIELD DATA

BENCHMARK: PTT 123 ELEV: 1024.24
FIELD NOTES: CHEF: HARRIS / INCH: 220-1725 / 03/15/2014
DATUM: MEAN SEA LEVEL
STREETS REQUIRING 12" TRENCH CAP: NONE

G-1

PLANS FOR THE CONSTRUCTION OF
SOUTH MISSION VALLEY TRUNK SEWER
ACCELERATED PROJECT
COVER SHEET

AS-BUILT INFORMATION	
MATERIALS	MANUFACTURER
PIPE (12" 238 (WATER))	-
PIPE (30" 36 (SEWER))	-
GATE VALVES	-
FIRE HYDRANTS	-
SEWER MANHOLES	-
REHABILITATE SEWER MANHOLES	-
REHABILITATE SEWER MAIN	-

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 1 OF 5 SHEETS	WATER NO. B-1406B
DATE: _____	PROJECT MANAGER: JOSE LITO GARCIA
PROJECT ENGINEER: JOSE LITO GARCIA	DATE STARTED: _____
DATE COMPLETED: _____	CONTRACT NO.: 38099-01-D

CONSTRUCTION CHANGE / ADDENDUM		
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS

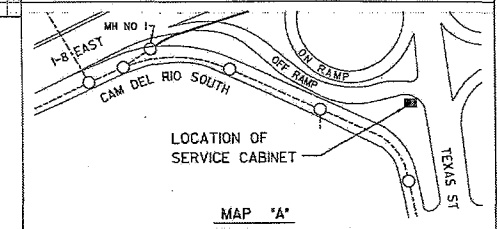
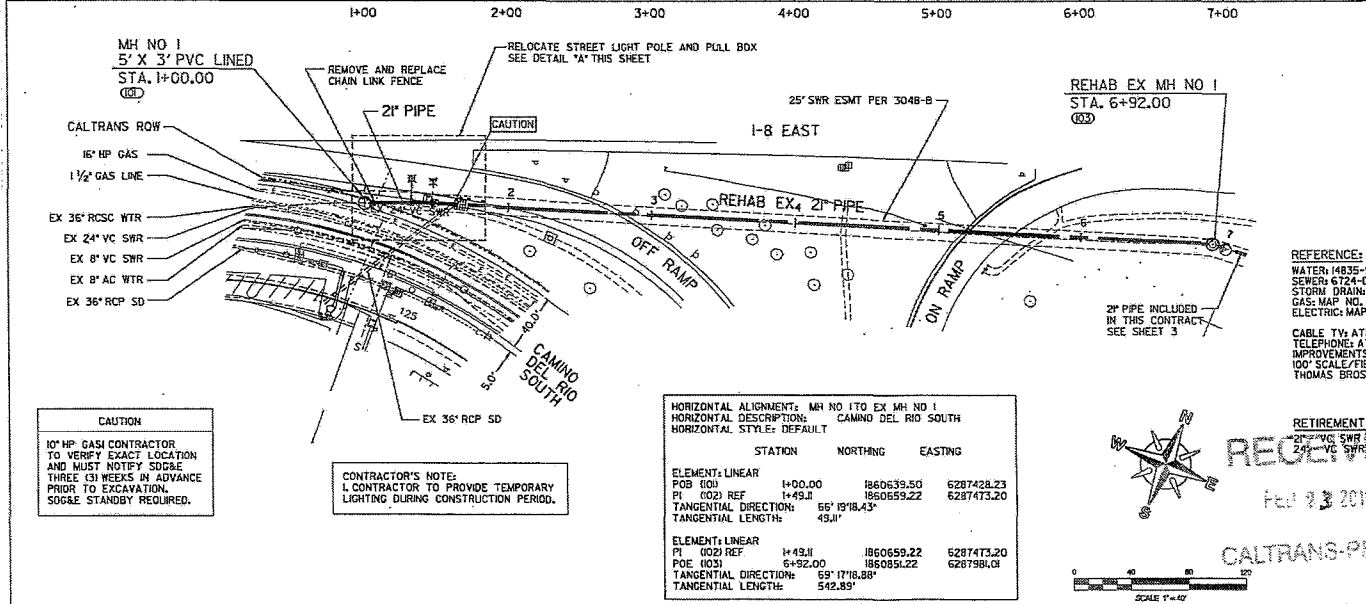
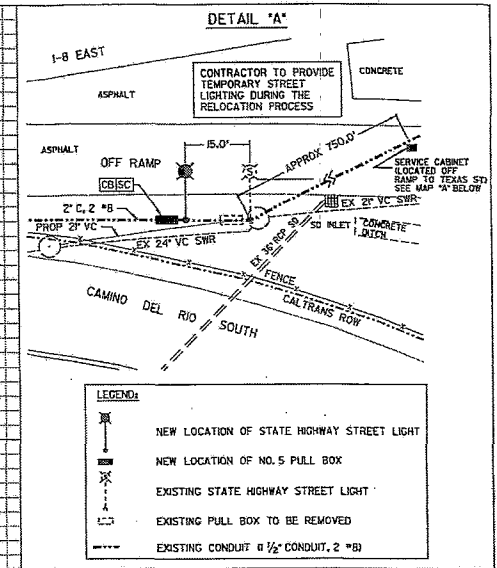
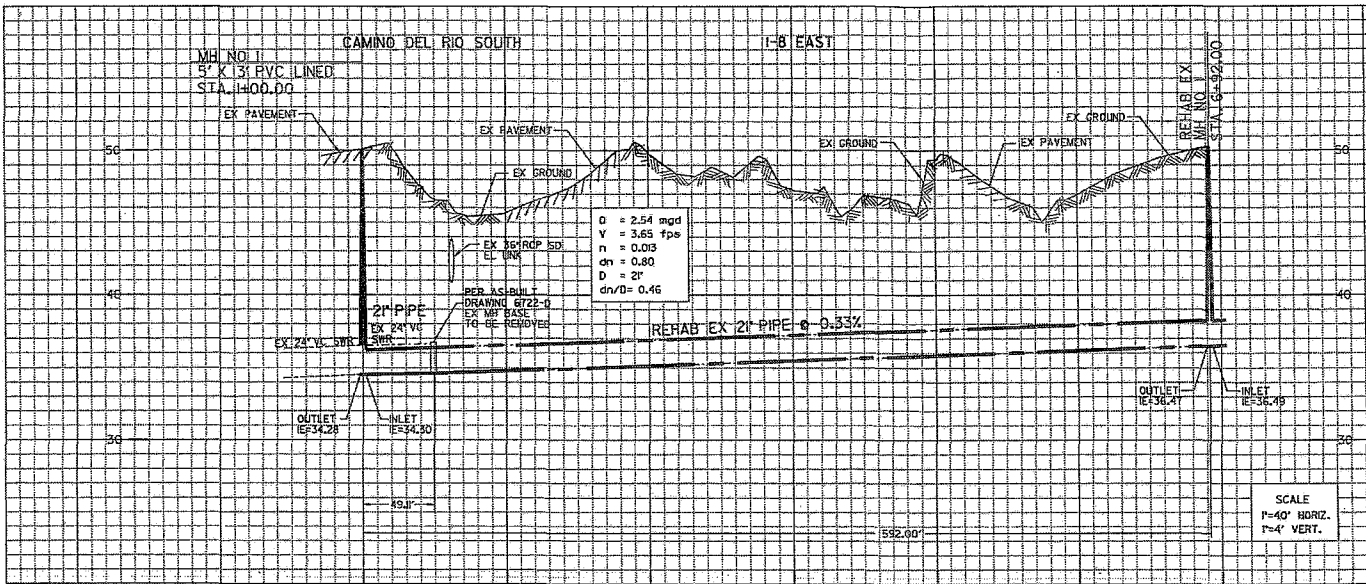
WARNING
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

**CITY OF SAN DIEGO
PUBLIC WORKS PROJECT**



IP_PWP:0107522(S) Mission Valley TS.dgn
07-JAN-2016 08:50 AVS:ld

SOUTH MISSION VALLEY TRUNK SEWER ACCELERATED PROJECT



APPROVED ENCROACHMENT PERMIT PLAN
 WATER: 14835-9-L, 14835-8-L, 12339-1-D, 10357-1-D, 15564-4-D
 SEWERS: 6724-D, 6725-D
 STORM DRAIN: 10856-D-24, 6725-D
 GAS: MAP NO. 18950
 ELECTRIC: MAP NO. 15960-18950, 15967-18950, 15967-18945, 15960-18945
 CABLE TV: AT&T un0608a.dgn
 TELEPHONE: AT&T un0608a.dgn
 IMPROVEMENTS: NONE
 100' SCALE/FIELD BOOK: H-17-S
 THOMAS BROS. 1263-C3

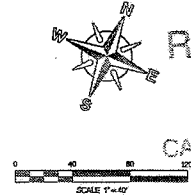
115NUT0303
 Permit No.:
 3-1-16

CAUTION
 10' HP GAS CONTRACTOR TO VERIFY EXACT LOCATION AND MUST NOTIFY SD&E THREE (3) WEEKS IN ADVANCE PRIOR TO EXCAVATION. SD&E STANDBY REQUIRED.

CONTRACTOR'S NOTE:
 1. CONTRACTOR TO PROVIDE TEMPORARY LIGHTING DURING CONSTRUCTION PERIOD.

HORIZONTAL ALIGNMENT: MH NO 1 TO EX MH NO 1
 HORIZONTAL DESCRIPTION: CAMINO DEL RIO SOUTH
 HORIZONTAL STYLE: DEFAULT

STATION	NORTHING	EASTING
ELEMENT: LINEAR		
POB (00)	1+00.00	1860639.50 6287428.23
PI (02) REF	1+49.11	1860559.22 6287473.20
TANGENTIAL DIRECTION:		56° 19' 18.43"
TANGENTIAL LENGTH:		45.11'
ELEMENT: LINEAR		
PI (02) REF	1+49.11	1860659.22 6287473.20
POE (03)	6+92.00	1860851.22 6287391.01
TANGENTIAL DIRECTION:		69° 17' 18.88"
TANGENTIAL LENGTH:		542.85'

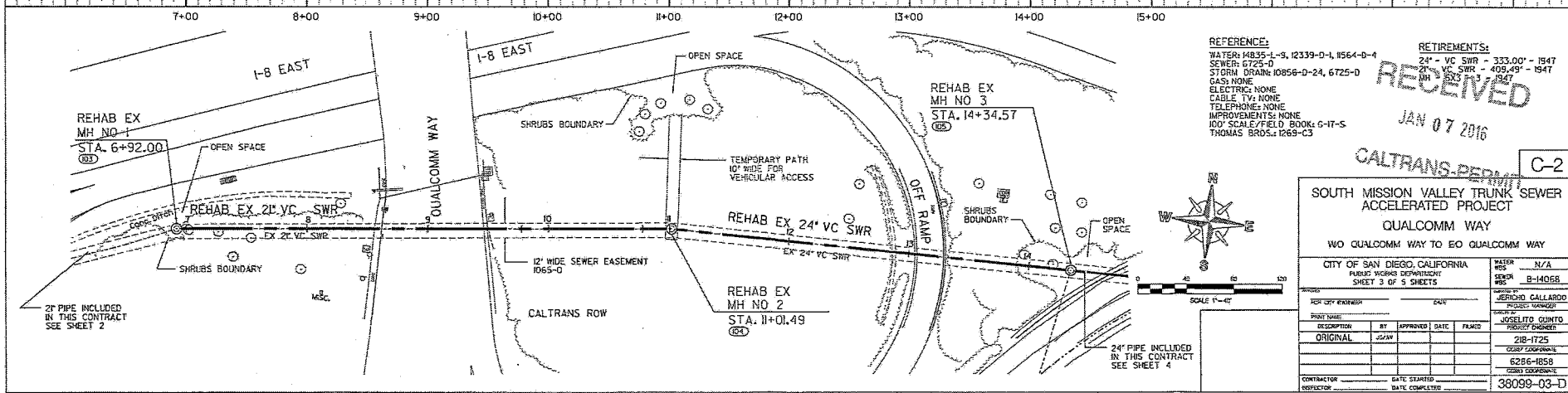
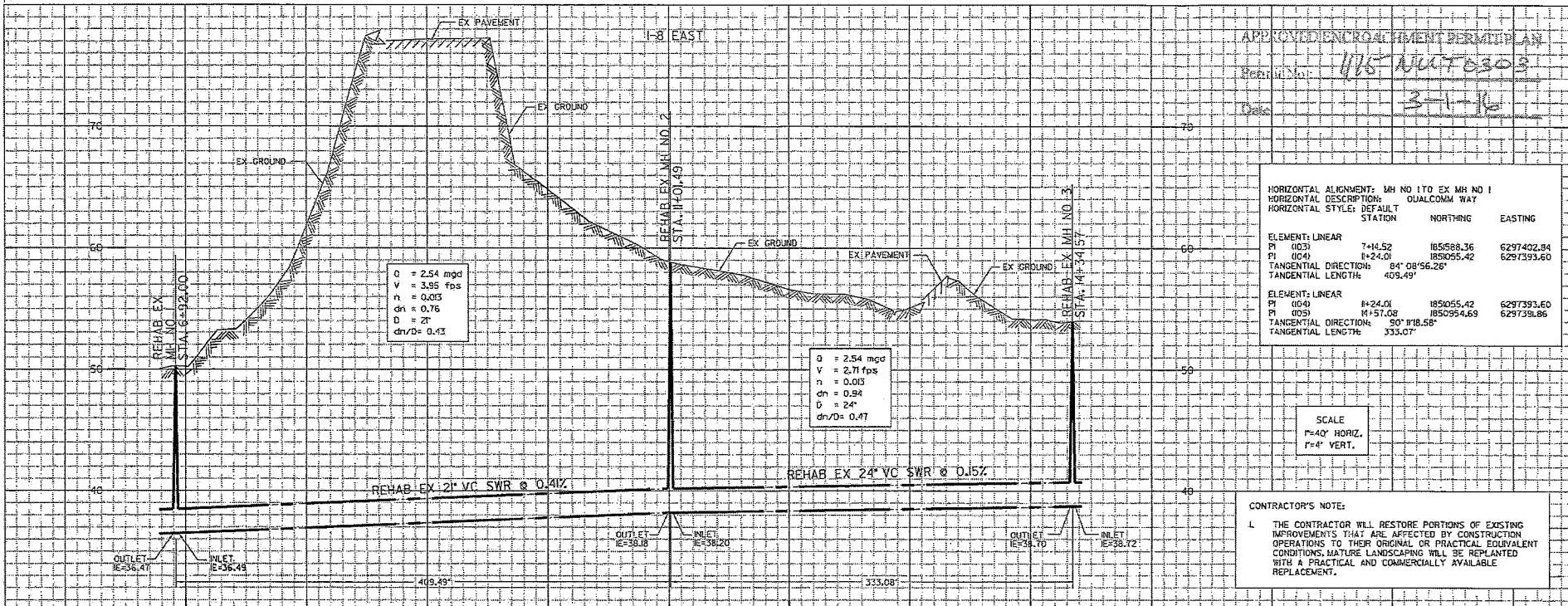


RETIREMENTS:
 21\"/>

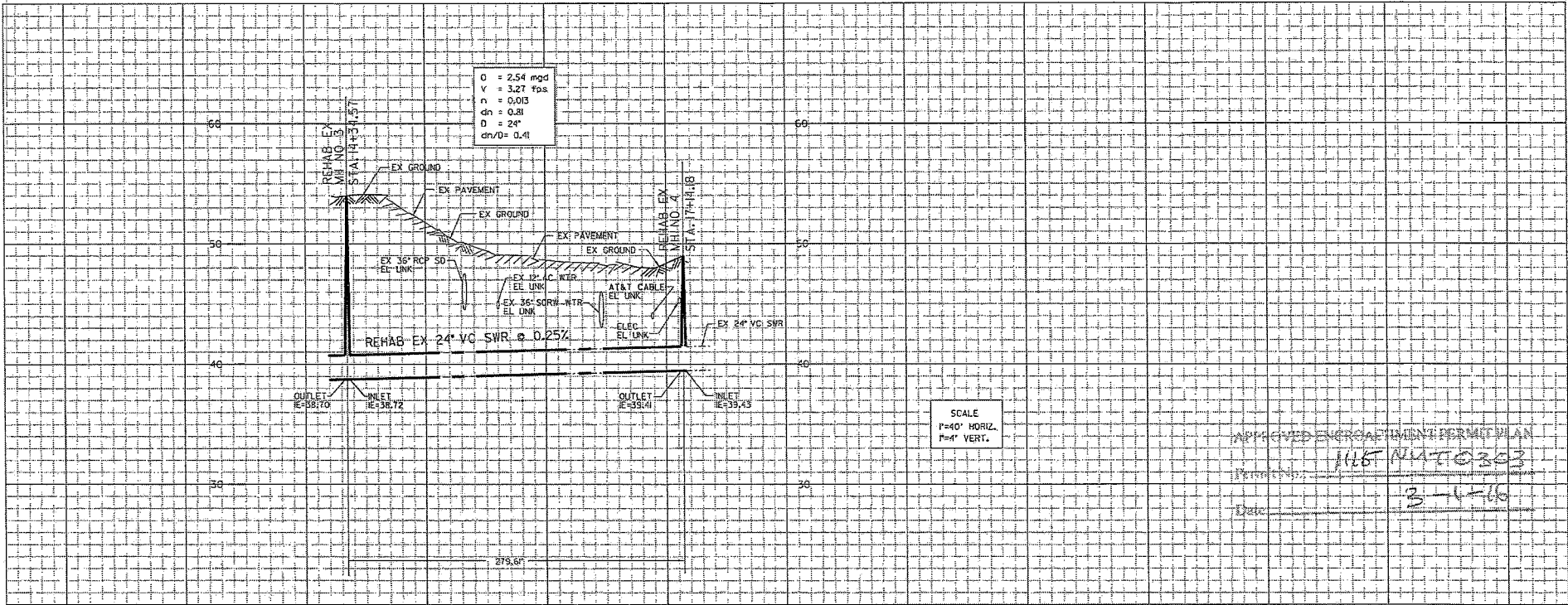
RECEIVED
 FEB 23 2015
 CALTRANS PERMIT

SOUTH MISSION VALLEY TRUNK SEWER ACCELERATED PROJECT
CAMINO DEL RIO SOUTH
 50 CAMINO DEL RIO SOUTH TO TWO JUALCOMM WAY

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 2 OF 5 SHEETS	WATER: N/A SEWER: B-14068
PROJECT NO. 115NUT0303	PROJECT MANAGER: JERONICO GALLARDO
DATE: 3-1-16	PROJECT ENGINEER: JOSE LITO QUINTO
CONTRACTOR: 38099-02-D	DATE COMPLETED:



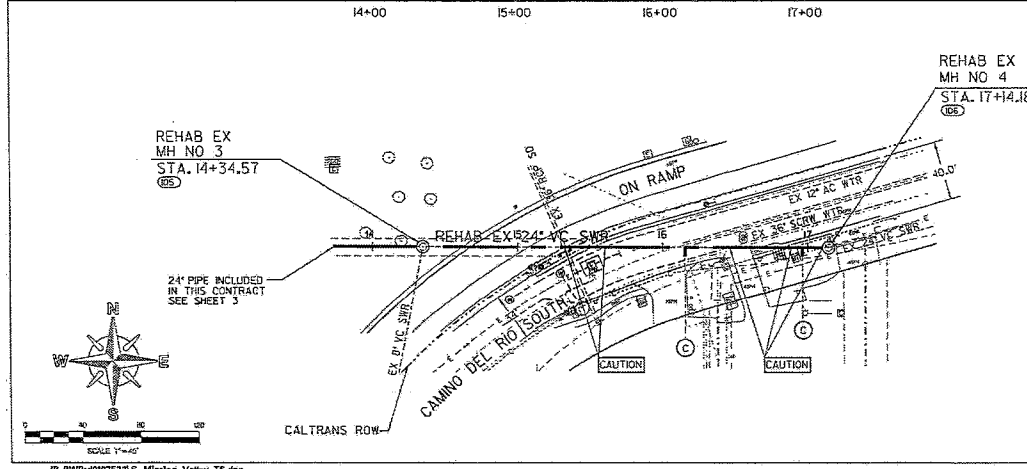
QUALCOMM WAY



Q = 2.54 mgd
 V = 3.27 fps
 n = 0.013
 dn = 0.81
 D = 24"
 dn/D = 0.41

SCALE
 1"=40' HORIZ.
 1"=4' VERT.

APPROVED ENGINEERING PERMIT PLAN
 11/15/2015
 3-1-16



REFERENCE:
 WATER: 14835-4-9, 12339-D-1, 18564-D-4
 SEWER: 6725-0
 STORM DRAIN: 10856-D-24, 6725-D
 GAS: MAP NO. 18950
 ELECTRIC: MAP NO. 15982-18950, 15975-18950, 15982-18955
 CABLE TV: AT&T un0808a.dgn
 TELEPHONE: AT&T un0808c.dgn
 IMPROVEMENTS: NONE
 100' SCALE/FIELD BOOK: G-17-5
 THOMAS BROS.: 1269-C3

RETIREMENTS:
 24" - VC SWR - 279.51' - 1947
 MH - 3X3 - 2 - 1947
 4" LATERAL - 2 - PVC - 1947

REHAB EX MH NO 4 STA. 17+14.18

REHAB EX MH NO 3 STA. 14+34.57

24" PIPE INCLUDED IN THIS CONTRACT SEE SHEET 3

HORIZONTAL ALIGNMENT: EX MH NO 3 TO EX MH NO 4
HORIZONTAL DESCRIPTION: CAMINO DEL RIO SOUTH
HORIZONTAL STYLE: DEFAULT

STATION	NORTHING	EASTING
14+57.08	1851588.36	6297402.84
17+36.69	1851055.42	6297393.60

ELEMENT: LINEAR
 PI 0051
 POC 0061
 TANGENTIAL DIRECTION: 90° 07' 01.5"
 TANGENTIAL LENGTH: 279.61'

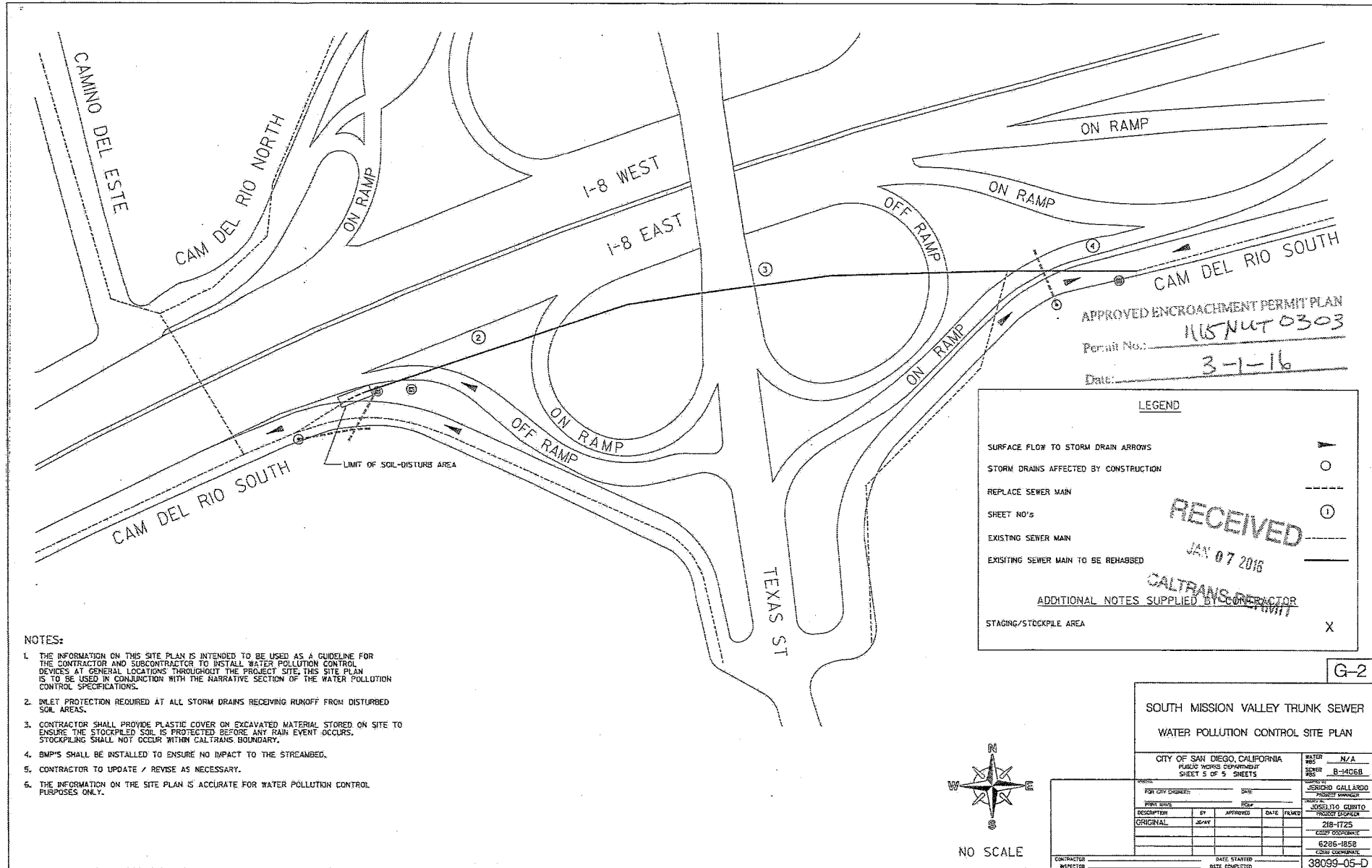
RECEIVED
 JAN 07 2016

C-3

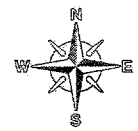
SOUTH MISSION VALLEY TRUNK SEWER ACCELERATED PROJECT
CAMINO DEL RIO SOUTH
 50 QUALCOMM WAY TO CAMINO DEL RIO SOUTH

CITY OF SAN DIEGO, CALIFORNIA
 RULES AND REGULATIONS
 SHEET 4 OF 5 SHEETS

PROJECT NO.	WATER 14835-4-9	N/A
PROJECT NAME	SEWER 6725-0	B-14068
PROJECT MANAGER	JERRICO CALLARDO	
PROJECT SUPERVISOR	JOSE LITO GUINTO	
DATE	2/18/2015	
CONTRACT NO.	6286-1858	
CONTRACT DESCRIPTION	SEWER ACCELERATED	
CONTRACTOR	DATE STARTED	38099-04-D
DESIGNER	DATE COMPLETED	



- NOTES:**
1. THE INFORMATION ON THIS SITE PLAN IS INTENDED TO BE USED AS A GUIDELINE FOR THE CONTRACTOR AND SUBCONTRACTOR TO INSTALL WATER POLLUTION CONTROL DEVICES AT GENERAL LOCATIONS THROUGHOUT THE PROJECT SITE. THIS SITE PLAN IS TO BE USED IN CONJUNCTION WITH THE NARRATIVE SECTION OF THE WATER POLLUTION CONTROL SPECIFICATIONS.
 2. INLET PROTECTION REQUIRED AT ALL STORM DRAINS RECEIVING RUNOFF FROM DISTURBED SOIL AREAS.
 3. CONTRACTOR SHALL PROVIDE PLASTIC COVER ON EXCAVATED MATERIAL STORED ON SITE TO ENSURE THE STOCKPILED SOIL IS PROTECTED BEFORE ANY RAIN EVENT OCCURS. STOCKPILING SHALL NOT OCCUR WITHIN CALTRANS BOUNDARY.
 4. BMP'S SHALL BE INSTALLED TO ENSURE NO IMPACT TO THE STREAMBED.
 5. CONTRACTOR TO UPDATE / REVISE AS NECESSARY.
 6. THE INFORMATION ON THE SITE PLAN IS ACCURATE FOR WATER POLLUTION CONTROL PURPOSES ONLY.



NO SCALE

G-2

**SOUTH MISSION VALLEY TRUNK SEWER
WATER POLLUTION CONTROL SITE PLAN**

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 5 OF 9 SHEETS		WATER JOB NO. B-1406B
PROJECT NO. 218-1725		PROJECT MANAGER JERICO GALLARDO
PROJECT ENGINEER JOSEPH J. CORTIJO		PROJECT SUPERVISOR
PROJECT COORDINATOR		PROJECT SUPERVISOR
6285-1858		PROJECT SUPERVISOR
CONTRACTOR		PROJECT SUPERVISOR
DATE STARTED		PROJECT SUPERVISOR
DATE COMPLETED		PROJECT SUPERVISOR

LEGEND:

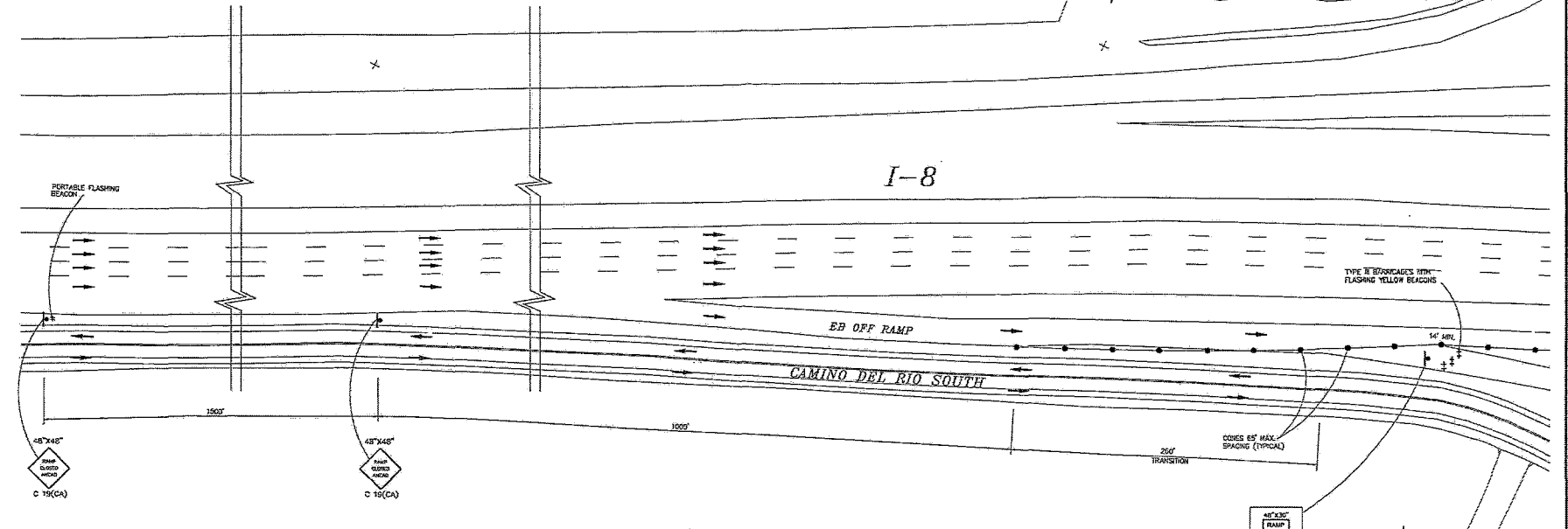
- - PLASTIC DROPS
- - SIGN
- - FLASHING ARROW SIGN
- - DIRECTION OF TRAVEL
- - TYPE I AND II BARRICADE
- * - PORTABLE FLASHING BEACON

SEWERLINE CONSTRUCTION
WORK HOURS 10:00 PM TO 5:00 AM

PERMIT NUMBER 11-15-0002
OF SD 916 & 917-0002
AS-BUILT PLANS FOR ROADWAY GEOMETRIC
AND ABOVE GROUND FEATURES
SCALE REPRESENTATIVE DATE

APPROVED ENCROACHMENT PERMIT PLAN

Permit No. **1115 NUT 0303**
Date: **3-1-16**



NOTES:

1. THE CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL DURING THE INSTALLATION, REMOVAL OR MODIFICATION OF ALL SIGNING AND STRIPING SHOWN ON THESE PLANS.
2. THE LOCATIONS OF TRAFFIC CONTROL DEVICES ARE APPROXIMATE AND ADJUSTMENTS MAY BE REQUIRED TO MEET FIELD CONDITIONS. HOWEVER, ANY ADJUSTMENT MUST MEET REQUIREMENTS OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION) AND CITY TRAFFIC ENGINEER'S APPROVAL.
3. CHANNELIZATION TYPE SHALL CONFORM TO THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION) AND CONSISTENT WITH FIELD DURING CONSTRUCTION. PROVIDE SIGNS COVER OVER CONFLICTING SIGNS.
4. CONTRACTOR SHALL COORDINATE WITH METRO/ATS TRANSIT DISTRICT FOR ANY TRANSIT CHANGES/COORDINATION PRIOR TO OBTAINING TRAFFIC CONTROL PERMIT.
5. CONTRACTOR SHALL REMOVE OR COVER ALL CONSTRUCTION SIGNS DURING NON-WORKING HOURS.
6. ALL ADVANCE CONSTRUCTION SIGNS AND TRANSITIONS SHALL BE ADJUSTED IN ACCORDANCE WITH WORK AREA PER CITY TRAFFIC ENGINEER'S APPROVAL.
7. ALL ADVANCE WARNING SIGN INSTALLATIONS SHALL BE EQUIPPED WITH FLAGS FOR DAYTIME CLOSURES. FLASHING BEACONS SHALL BE PLACED AT ALL LOCATIONS INDICATED DURING NIGHT LAKE CLOSURES.
8. ALL WARNING SIGNS FOR NIGHT LAKE CLOSURES SHALL BE ILLUMINATED OR REFLECTORIZED.
9. CONTRACTOR SHALL CONTACT METROPOLITAN TRANSIT SYSTEM (MTS) ONE WEEK PRIOR TO ANY CONSTRUCTION WHICH EFFECTS EXISTING BUS STOP.

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR ALL SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

UNAUTHORIZED CHANGES & USES

CAUTION:
THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

THIS PLAN SHEET IS ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

FILE: 1615-10-02_E.dwg Feb 03, 2016 Rfor2020zsh

O'Day CONSULTANTS

7710 LORAIN AVE. SUITE 100
DANFORTH, CALIFORNIA 92519
TEL: 714-231-1238
WWW.ODAYCONSULTANTS.COM

DESIGNED BY: JLF DATE: MARCH 2015
DRAWN BY: JLF SCALE: 1" = 40'
PROJECT NO.: K/M/J JOB NO.: 151002

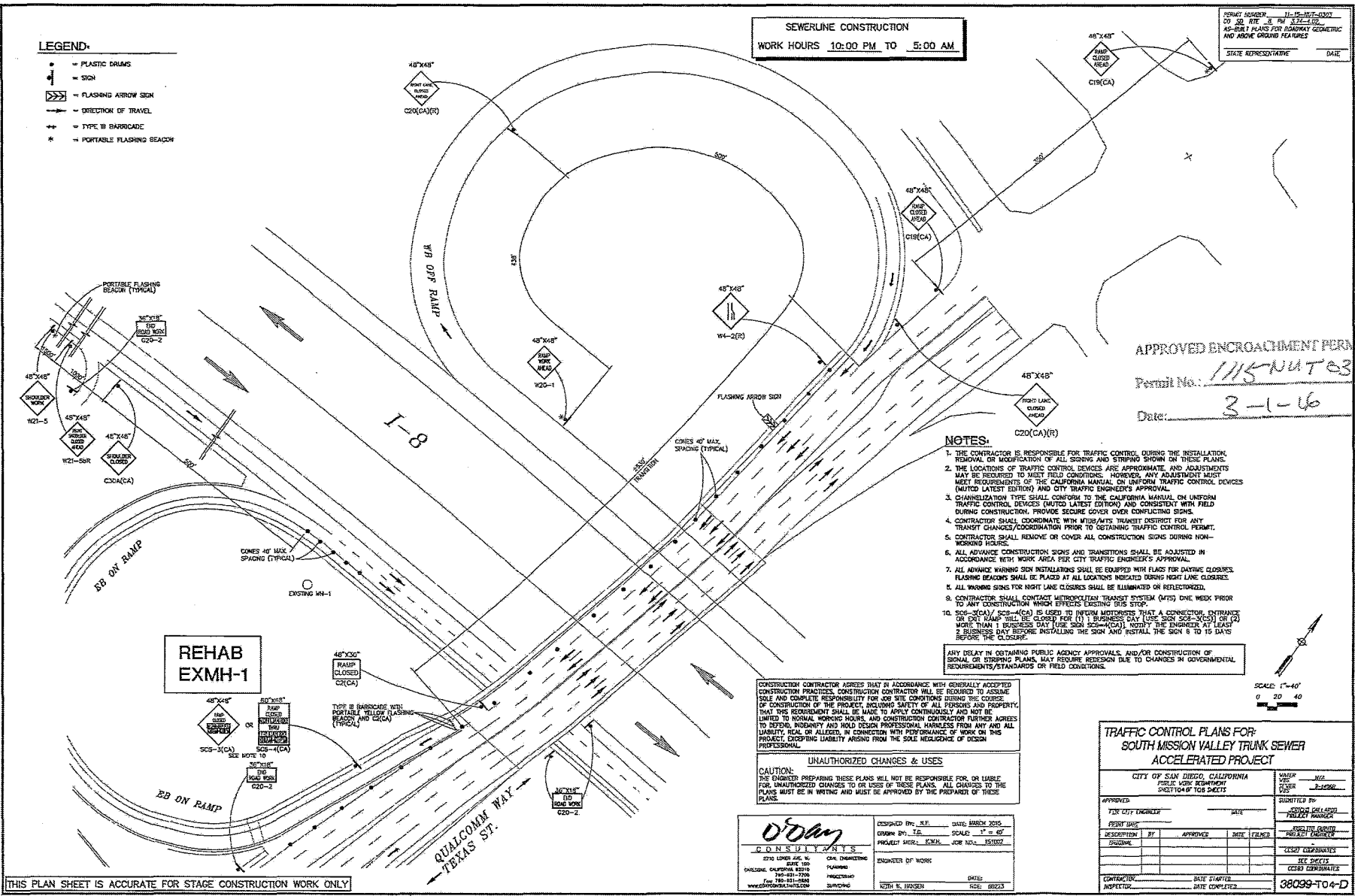
ENGINEER OF WORK
DATE: 02/23/15
KYLE R. HANSEN REG: 00223

TRAFFIC CONTROL PLANS FOR SOUTH MISSION VALLEY TRUNK SEWER ACCELERATED PROJECT			
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORK DEPARTMENT SHEET 102 OF 105 SHEETS		MAPS JOB 2-14539	SUBMITTED BY JESSIE GALLAGHER PROJECT MANAGER
APPROVED TOP CITY ENGINEER	DATE	APPROVED DATE	DATE
DESCRIPTION	BY	APPROVED	DATE
DRAWING	BY	APPROVED	DATE
CONTRACTOR	DATE	DATE	DATE
INVOICE #	DATE	DATE	DATE
			38099-T02-D

SEWERLINE CONSTRUCTION
 WORK HOURS 10:00 PM TO 5:00 AM

PERMIT NUMBER: 1115-NUT-0303
 CD NO. RTE. E. PH. 3/1-2/02
 10-0811 PLANS FOR GEOMETRY, GEOMETRIC AND ABOVE GROUND FEATURES
 STATE REPRESENTATIVE: _____ DATE: _____

- LEGEND:**
- = PLASTIC DRUMS
 - = SIGN
 - ⇄ = FLASHING ARROW SIGN
 - = DIRECTION OF TRAVEL
 - ⇄⇄ = TYPE III BARRICADE
 - * = PORTABLE FLASHING BEACON



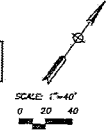
APPROVED ENCROACHMENT PERMIT PLAN
 Permit No.: 1115-NUT-0303
 Date: 3-1-06

- NOTES:**
1. THE CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL DURING THE INSTALLATION, REMOVAL OR MODIFICATION OF ALL SIGNS AND STRIPING SHOWN ON THESE PLANS.
 2. THE LOCATIONS OF TRAFFIC CONTROL DEVICES ARE APPROXIMATE, AND ADJUSTMENTS MAY BE REQUIRED TO MEET FIELD CONDITIONS. HOWEVER, ANY ADJUSTMENT MUST MEET REQUIREMENTS OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD LATEST EDITION) AND CITY TRAFFIC ENGINEER'S APPROVAL.
 3. CHANGELIGHT TYPE SIGNS SHALL CONFORM TO THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD LATEST EDITION) AND CONSISTENT WITH FIELD DURING CONSTRUCTION. PROVIDE SECURE COVER OVER CONFLICTING SIGNS.
 4. CONTRACTOR SHALL COORDINATE WITH MTD/MTS TRAVEL DISTRICT FOR ANY TRAVEL CHANGES/COORDINATION PRIOR TO OBTAINING TRAFFIC CONTROL PERMIT.
 5. CONTRACTOR SHALL REMOVE OR COVER ALL CONSTRUCTION SIGNS DURING NON-WORKING HOURS.
 6. ALL ADVANCE CONSTRUCTION SIGNS AND TRANSITIONS SHALL BE ADJUSTED IN ACCORDANCE WITH WORK AREA PER CITY TRAFFIC ENGINEER'S APPROVAL.
 7. ALL ADVANCE WARNING SIGN INSTALLATIONS SHALL BE EQUIPPED WITH FLANS FOR DARTING CLOSURES. FLASHING BEACONS SHALL BE PLACED AT ALL LOCATIONS INDICATED DURING NIGHT LANE CLOSURES.
 8. ALL WARNING SIGNS FOR NIGHT LANE CLOSURES SHALL BE ILLUMINATED OR REFLECTORIZED.
 9. CONTRACTOR SHALL CONTACT METROPOLITAN TRANSIT SYSTEM (MTS) ONE WEEK PRIOR TO ANY CONSTRUCTION WHICH EFFECTS EXISTING BUS STOP.
 10. SCS-3(CA), SCS-4(CA) IS USED TO INFORM MOTORISTS THAT A CONNECTOR, ENTRANCE OR EXIT RAMP WILL BE CLOSED FOR (1) 1 BUSINESS DAY (USE SIGN SCS-3(CA)) OR (2) MORE THAN 1 BUSINESS DAY (USE SIGN SCS-4(CA)). NOTIFY THE ENGINEER AT LEAST 2 BUSINESS DAYS BEFORE INSTALLING THE SIGN AND INSTALL THE SIGN 8 TO 15 DAYS BEFORE THE CLOSURE.
- ANY DELAY IN OBTAINING PUBLIC AGENCY APPROVALS, AND/OR CONSTRUCTION OF SIGNAL OR STRIPING PLANS, MAY REQUIRE REVISION DUE TO CHANGES IN GOVERNMENTAL REQUIREMENTS/STANDARDS OR FIELD CONDITIONS.

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THAT THIS AGREEMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONAL HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

UNAUTHORIZED CHANGES & USES

CAUTION:
 THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR OR LIABLE FOR UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THESE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

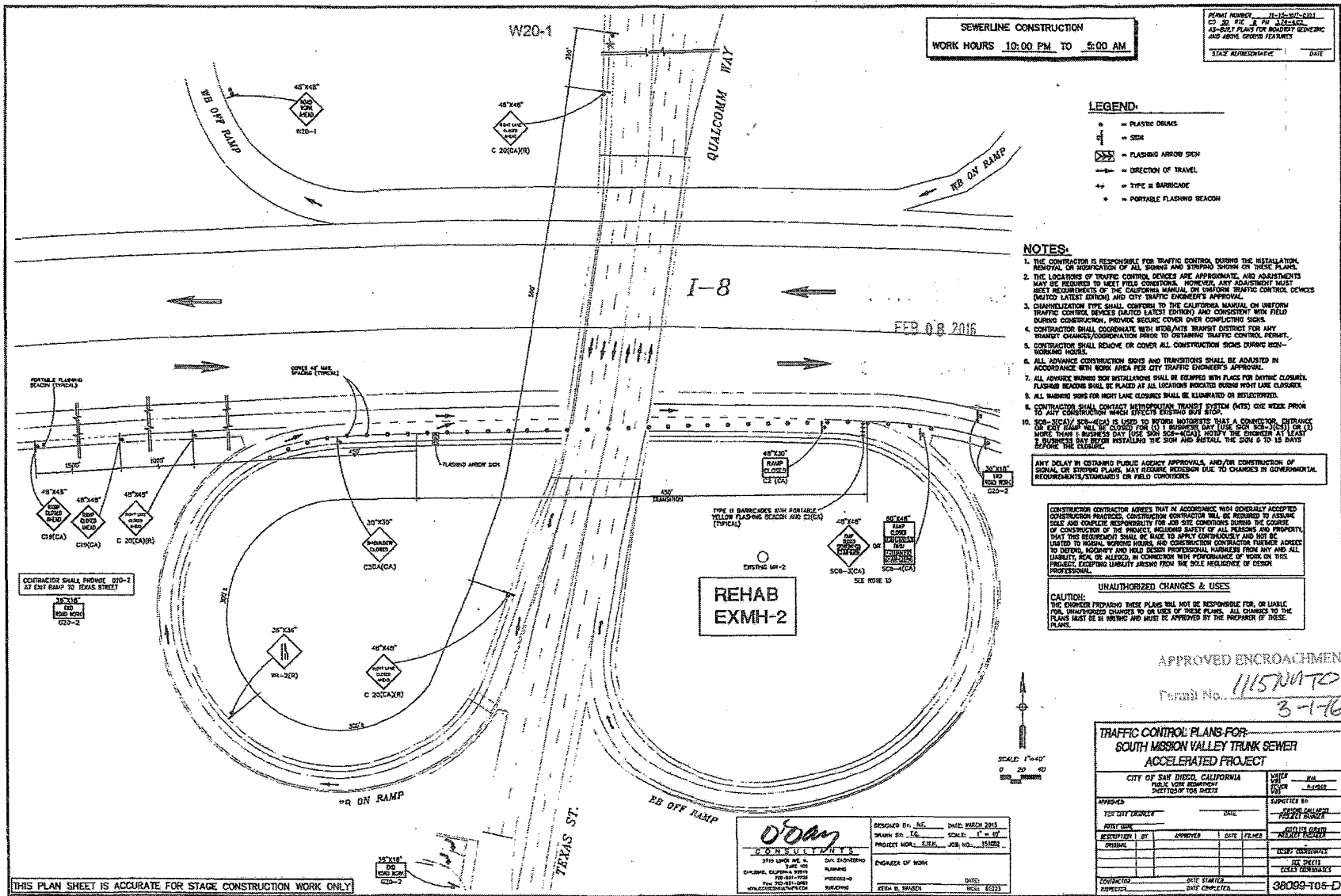


TRAFFIC CONTROL PLANS FOR: SOUTH MISSION VALLEY TRUNK SEWER ACCELERATED PROJECT			
CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SECTION 67 TGS SHEETS		SHEET NO. 112 USER: J-L-060	
APPROVED:	DATE:	QUANTITY BY:	DATE:
FOR CITY ENGINEER:		FOR ILLUSTRATOR:	
PERMIT DATE:		FOR FILE NUMBER:	
REVISION BY:	APPROVED:	DATE:	FILED:
ISSUING:		CHECK COORDINATOR:	
		SEE SHEETS:	
		CROSS REFERENCES:	
CONTRACTOR:	DATE STARTED:	38039-T04-D	
INSPECTOR:	DATE COMPLETED:		

O'Day CONSULTANTS	DESIGNED BY: K.F.	DATE: MARCH 2005
	DRAWN BY: J.L.	SCALE: 1" = 40'
	PROJECT NO.: KVAL JOB NO. 151027	
	ENGINEER OF WORK:	
	DATE:	
	REVISION:	

THIS PLAN SHEET IS ACCURATE FOR STAGE CONSTRUCTION WORK ONLY

FILE: 1615-TC-04_E.dwg Feb 03, 2016 Rterrez@cdoh



SEWERLINE CONSTRUCTION
WORK HOURS 10:00 PM TO 5:00 AM

PERMIT NUMBER: 11-15-107-2161
 CD 20 THE CITY OF SAN DIEGO
 44-SECT PLANS FOR PUBLIC ENCROACHMENT AND ABOVE GROUND FEATURES
 STATE REQUIREMENTS: _____ DATE: _____

- LEGEND:**
- = PLASTIC DELAYS
 - = SIGN
 - ◻ = FLASHING ARROW SIGN
 - = DIRECTION OF TRAVEL
 - ⊕ = TYPE II BARRICADE
 - ⊕ = PORTABLE FLASHING BEACON

- NOTES:**
1. THE CONTRACTOR IS RESPONSIBLE FOR TRAFFIC CONTROL DURING THE INSTALLATION, REMOVAL OR MODIFICATION OF ALL SIGNS AND STRIPING SHOWN ON THESE PLANS.
 2. THE LOCATIONS OF TRAFFIC CONTROL DEVICES ARE APPROPRIATE, AND ADJUSTMENTS MAY BE REQUIRED TO MEET FIELD CONDITIONS. HOWEVER, ANY ADJUSTMENT MUST MEET REQUIREMENTS OF THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION) AND CITY TRAFFIC ENGINEER'S APPROVAL.
 3. CHANNELIZATION TYPE SHALL CONFORM TO THE CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (LATEST EDITION) AND CONSIDER WITH FIELD DURING CONSTRUCTION. PROVIDE BEACON COVER OVER CONFLICTING SIGNS.
 4. CONTRACTOR SHALL COORDINATE WITH METRO PATHS TRAFFIC DISTRICT FOR ANY TRAFFIC CHANGES/COORDINATION PRIOR TO OBTAINING TRAFFIC CONTROL PERMIT.
 5. CONTRACTOR SHALL REMOVE OR COVER ALL CONSTRUCTION SIGNS DURING NON-WORKING HOURS.
 6. ALL ADVANCE CONSTRUCTION SIGNS AND TRANSITIONS SHALL BE ADJUSTED IN ACCORDANCE WITH WORK AREA PER CITY TRAFFIC ENGINEER'S APPROVAL.
 7. ALL ADVANCE WARNING SIGN INSTALLATIONS SHALL BE EQUIPPED WITH PLACES FOR DAYTIME CLOSURE. FLASHING BEACONS SHALL BE PLACED AS ALL LOCATIONS INDICATED BEHIND HOV LANE CLOSURE.
 8. ALL WARNING SIGNS FOR HOV LANE CLOSURE SHALL BE ILLUMINATED OR REFLECTORIZED.
 9. CONTRACTOR SHALL CONTACT METROPOLITAN TRANSIT SYSTEM (MTS) ONE WEEK PRIOR TO ANY CONSTRUCTION WHICH EXPECTS RECEIVING HOV SIGNS.
 10. SCS-302(A) / SCS-402(A) IS USED TO INFORM MOTORISTS THAT A CONSTRUCTION ENTRANCE OR EXIT RAMP WILL BE CLOSED FOR (1) BUSINESS DAY (USE SIGN SCS-302(A) OR (2) MORE THAN 1 BUSINESS DAY (USE SIGN SCS-402(A)). NOTIFY THE ENGINEER AT LEAST 2 BUSINESS DAYS PRIOR TO INSTALLING THE SIGN AND INSTALL THE SIGN 5 TO 15 DAYS BEFORE THE CLOSURE.
- ANY DELAY IN OBTAINING PUBLIC AGENCY APPROVALS, AND/OR CONSTRUCTION OF SIGNAL OR STOPPING PLANS, MAY REQUIRE REVISION DUE TO CHANGES IN GOVERNMENTAL REQUIREMENTS/STANDARDS OR FIELD CONDITIONS.

CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONSTRUCTION CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, THAT THE RESPONSIBILITY SHALL BE PLACED TO APPLY CONTRACTORS AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONSTRUCTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD OTHER PROFESSIONAL PERSONNEL FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH PERFORMANCE OF WORK ON THIS PROJECT EXCEPT LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONAL.

UNAUTHORIZED CHANGES & USES

CAUTION: THE ENGINEER PREPARED THESE PLANS AND WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, UNAUTHORIZED CHANGES TO OR USES OF THESE PLANS. ALL CHANGES TO THE PLANS MUST BE IN WRITING AND MUST BE APPROVED BY THE PREPARER OF THESE PLANS.

APPROVED ENCROACHMENT PERMIT PLAN
 Permit No. 1115NATD 303
 3-16

TRAFFIC CONTROL PLANS FOR SOUTH MISSION VALLEY TRUNK SEWER ACCELERATED PROJECT

CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT DIVISION OF TRAFFIC CONTROL		SCALE: 1"=40'
APPROVED	DATE	SUPERVISOR BY
Traffic Engineer		Scott Calhoun
DESIGNED BY	DATE	PROJECT NO.
3/15/2015	MARCH 2015	1115NATD 303
SCALE	1"=40'	
ENGINEER	DATE	PROJECT NO.
John B. Trause		1115NATD 303
DATE	DATE	PROJECT NO.
3/15/2015		1115NATD 303

~~02161~~

Water Pollution Control Program (WPCP)
SOUTH MISSION VALLEY TRUNK SEWER ACCELERATED PROJECT
Contract No. TBD

WATER POLLUTION CONTROL PROGRAM (WPCP)

For

SOUTH MISSION VALLEY TRUNK SEWER ACCELERATED PROJECT

Caltrans Encroachment Permit Number for Local Agency / Private Entity: TBD
Caltrans Encroachment Permit Number for Contractor: TBD

Prepared for:

CITY OF SAN DIEGO
525 B STREET, SUITE 750
SAN DIEGO, CALIFORNIA 92101
RESIDENT ENGINEER - TBD
RESIDENT ENGINEER PHONE - TBD

RECEIVED
APR 28 2015

CALTRANS-PERMIT

Submitted by:

CITY OF SAN DIEGO
525 B STREET, SUITE 750, MS908A
SAN DIEGO, CALIFORNIA 92101
TBD
TBD

Permit No.	11-15-N-VT-0303	
Reviewed By:	RY	Date: 6-19-15
NPDES Route Manager Approval:		
<input type="checkbox"/>	no additional comments	
<input type="checkbox"/>	incorporate comments as noted, no resubmit	
<input type="checkbox"/>	Revise and Resubmit	

Project Site Address

I-8 (EAST BOUND)/OFF RAMP AT TEXAS STREET
TBD

Contractor's Water Pollution Control (WPC) Manager

TBD
TBD

APPROVED ENCROACHMENT PERMIT PLAN
Permit No.: 115NVT0303
3-1-16

Contractor's Designated Water Pollution Control Inspector (if different from WPC Manager)

TBD

WPCP Prepared by:

Water Pollution Control Program (WPCP)
SOUTH MISSION VALLEY TRUNK SEWER ACCELERATED PROJECT
Contract No. TBD

CITY OF SAN DIEGO
525 B STREET, SUITE 750, SAN DIEGO CA 92101
(619) 533-7523
JERICO GALLARDO

WPCP Preparation Date

APRIL 23, 2015

Less than 1 acre of soil disturbance.

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Water Pollution Control Program (WPCP)
SOUTH MISSION VALLEY TRUNK SEWER ACCELERATED PROJECT
Contract No. TBD

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Appendix CCEM-2023 Stormwater Training Record
Appendix DCEM-2024 Stormwater Training Log
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Appendix HCEM-2035 Stormwater Site Inspection Report Corrective Actions Summary
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Appendix JCEM-2065 Notice of Discharge Log
Appendix KCEM-2070 SWPPP/WPCP Annual Certification of Compliance

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SECTION 10
WPCP Certification and Acceptance

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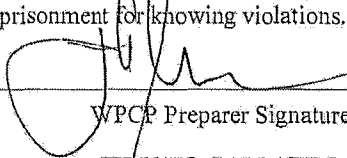
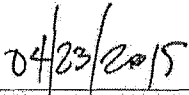
10.1 Contractor's Certification and Acceptance by the Resident Engineer

WPCP PREPARER CERTIFICATION OF WPCP

"I certify that I have the qualifications and certifications specified for a Qualified SWPPP Developer (QSD) or Qualified SWPPP Practitioner (QSP) shown in the National Pollutant Discharge Elimination System (NPDES) General Permit for Storm Water Discharges Associated with Construction and Land Disturbance Activities, Order No. 2009-0009-DWQ, NPDES No. CAS000002, Section VII, Training Qualifications and Certification Requirements.

I certify that this WPCP meets the requirements set forth in the contract special provisions, Caltrans Standard Specifications, and the Caltrans SWPPP/WPCP Preparation Manual.

I certify under a penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted, to the best of my knowledge and belief is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

	
WPCP Preparer Signature	Date
JERICO GALLARDO	(619) 533-7523
WPCP Preparer Name	Telephone Number
WPCP Preparer Title	

CONTRACTOR'S CERTIFICATION OF WPCP

"I certify under a penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted, to the best of my knowledge and belief is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

Contractor's Signature	Date
TBD	
Contractor's Name	Telephone Number
Contractor's Title	

Water Pollution Control Program (WPCP)
SOUTH MISSION VALLEY TRUNK SEWER ACCELERATED PROJECT
Contract No. TBD

For Use by Local Agency / Private Entity Only

LOCAL AGENCY / PRIVATE ENTITY RESIDENT ENGINEER'S ACCEPTANCE OF WPCP

"I certify under a penalty of law that this document and all attachments were reviewed under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted, to the best of my knowledge and belief is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations."

This WPCP is accepted based on a review performed by myself or personnel acting under my direction. that detremined that the WPCP meets the requirements set forth in the contract special provisions, Caltrans Standard Specifications, and the Caltrans SWPPP/WPCP Preparation Manual.

Resident Engineer's Signature	Date
RESIDENT ENGINEER - TBD	RESIDENT ENGINEER PHONE - TBD
Resident Engineer's Name	Telephone Number

For Use by Caltrans Only

CALTRANS OVERSIGHT ENGINEER'S CONCURENCE OF WPCP

I, and/or personnel acting under my direction and supervision, have reviewed this WPCP and concur with the Resident Engineer's findings that it meets the requirements set forth in the contract special provisions, Caltrans Standard Specifications, and the Caltrans SWPPP/WPCP Preparation Manual.

Caltrans Oversight Engineer's Signature	Date of WPCP Concurrence
Caltrans Oversight Engineer's Name	Telephone Number

10.2 Amendments

The WPCP shall be amended whenever there is a change in construction or operations that may cause the discharge of significant quantities of pollutants to surface waters, ground waters, municipal storm drain systems, or when deemed necessary by the Resident Engineer. The WPCP must be amended when:

- changes in work activities could affect the discharge of pollutants
- WPC practices are added by contract change order

- WPC practices are added at the contractor's discretion

Amendments to WPCP shall be documented in letter format and include revised Water Pollution Control Drawing sheets, as appropriate. WPCP amendments shall be certified by the contractor and require acceptance by Caltrans or Local Agency / Private Entity Resident Engineer. For encroachment permit projects, Caltrans Oversight Engineer concurrence is required. Documentation of WPCP amendment certification, acceptance and Caltrans Oversight Engineer concurrence, if required will be documented using CEM-2008 SWPPP/WPCP Amendment Certification and Acceptance form in Appendix A.

All WPCP amendments shall be documented on CEM-2009 SWPPP/WPCP Amendments Log which includes:

- amendment number
- amendment date
- brief description of the amendment
- name of individual requesting amendment
- amendment acceptance date.

All WPCP amendments shall be logged on CEM-2009 SWPPP/WPCP Amendment Log form, in Appendix B. Accepted amendments with an updated amendment log shall be attached to the contractor's on-site WPCP in Attachment C.

10.3 Contractor's Annual Certification and Acceptance by the Resident Engineer

Each year by July 15 the contractor shall certify that the water pollution control measures are being implemented in accordance with the accepted WPCP for the project, including accepted WPCP amendments. The contractor shall submit the annual certification to the Resident Engineer for acceptance. Documentation of annual certification shall be on CEM-2070 SWPPP/WPCP Annual Certification of Compliance form, in Appendix K.

SECTION 20

Project and Contractor Information

20.1 Project Description

ON CALTRANS RIGHT OF WAY, THE PROJECT WILL INSTALL TEMPORARY TRAFFIC CONTROL SIGNS ON OFF RAMP EXIT AT TEXAS ST DURING CONSTRUCTION. RAMP WILL BE CLOSED DURING CONSTRUCTION. REPLACEMENT OF APPROXIMATELY 49 LINEAR FEET OF EXISTING 24-INCH SEWER MAIN AND REMOVAL OF EXISTING MANHOLE BOTTOM STRUCTURE USING AN OPEN TRENCH METHOD. IMPACTED STREETS WILL BE RESURFACED. REHABILITATION (TRENCHLESS - LINING METHOD) OF APPROXIMATELY 1,565 LINEAR FEET OF EXISTING 21-INCH AND 24-INCH SEWER MAIN INCLUDING 3 MANHOLES LOCATED WITHIN THE CALTRANS RIGHT OF WAY.

20.2 Unique Site Features

NONE

20.3 Contact Information for Responsible Parties

Resident Engineer

Name: RESIDENT ENGINEER - TBD
Title: Resident Engineer
Company: CITY OF SAN DIEGO
Address: 525 B STREET, SUITE 750
SAN DIEGO, CALIFORNIA 92101
Phone Number: RESIDENT ENGINEER PHONE - TBD
Emergency Phone Number (24/7) TBD
Email address: TBD

Contractor

Name: TBD
Title:
Company: CITY OF SAN DIEGO

Water Pollution Control Program (WPCP)
SOUTH MISSION VALLEY TRUNK SEWER ACCELERATED PROJECT
Contract No. TBD

Address: 525 B STREET, SUITE 750, MS908A
SAN DIEGO, CALIFORNIA 92101

Phone Number: TBD

Emergency Phone Number (24/7) TBD

Email address: TBD

Contractor Site Manager

Name: TBD

Title: TBD

Company: CITY OF SAN DIEGO

Address: TBD
TBD, TBD TBD

Phone Number: TBD

Emergency Phone Number (24/7) TBD

Email address: TBD

Water Pollution Control Manager (WPC Manager)

Name: TBD

Title: TBD

Company: TBD

Address: TBD

Phone Number: TBD

Emergency Phone Number (24/7): TBD

Email address: TBD

Erosion and Sediment Control Provider

Name: TBD

Title: TBD

Company: TBD

Address: TBD

TBD,
Phone Number: TBD
Emergency Phone Number (24/7) TBD
Email address: TBD

20.4 Training

TBD, the WPC Manager for this project, meets the Qualified SWPPP Practitioner (QSP) registration or certification requirement of Section VII., "Training Qualifications and Certification Requirements," of the Construction General Permit based on:

-

The WPC Manager has received the following training:

-

The WPC Manager has the following WPCP development and implementation experience:

-

The WPCP for this project was developed by TBD, who meets the Qualified SWPPP Practitioner (QSP) registration or certification requirement of Section VII., "Training Qualifications and Certification Requirements," of the Construction General Permit based on:

-

The QSP has received the following training:

-

The QSP has the following WPCP development experience:

-

A stormwater inspector will be assisting the WPC Manager to ensure all required BMPs are implemented and perform non-storm water and stormwater visual observations, sampling and analysis. The stormwater inspector for this project is:

- TBD

The stormwater inspector has received the following training:

-

The stormwater inspector has the following WPCP implementation experience:

Contractor or subcontractor employees responsible for water pollution control best management practices (BMPs) installation, maintenance and repair have received the following training:

Contractor and subcontractor employees shall be trained prior to working on the site in the following subjects:

- water pollution control rules and regulations.
- implementation and maintenance for:
 - temporary soil stabilization
 - temporary sediment control
 - tracking control
 - wind erosion control
 - material pollution prevention control
 - waste management
 - non-storm water management
- identifying and handling hazardous substances
- potential dangers to humans and the environment from spills and leaks or exposure to toxic or hazardous substances

Informal employee training shall include tailgate site meetings to be conducted weekly and address the following topics:

- water pollution control best management practices (BMPs) deficiencies and corrective actions
- BMPs that are required for work activities during the week
- spill prevention and control
- material delivery, storage, use, and disposal
- waste management
- non-stormwater management

A summary of formal and informal training of various personnel is shown in Attachment D. A copy of all training certificate(s) for the WPC Manager and the WPCP Preparer are included in Attachment D.

Stormwater training for project personnel shall be documented on form CEM-2023 Stormwater Training shown in Appendix C. For each training occurrence, both a training record and an updated training log, form CEM-2024 Stormwater Training Log, shown in Appendix D, must be completed. A copy of the training log, training record and copies of all training certificates for project personnel will be kept in WPCP file category 20.23 Contractor Personnel Training Documentation. An updated training log and documentation of new training shall be submitted to the RE within 5 days of training.

Water Pollution Control Program (WPCP)
SOUTH MISSION VALLEY TRUNK SEWER ACCELERATED PROJECT
Contract No. TBD

SECTION 30

Pollution Sources and Control Measures

30.1 Pollutant Sources

30.1.1 Inventory of Materials and Activities that May Pollute Stormwater

The following is a list of construction materials that will be used and activities that will be performed that will have the potential to contribute pollutants, other than sediment, to stormwater runoff:

- DISTURBANCE OF SOIL AND BACKFILLING DUE TO OPEN TRENCH PIPE INSTALLATION AND REPAVING OF IMPACTED SURFACE STREETS, EXPOSING EXISTING SEWER MAIN AFTER REMOVAL; GENERAL CONSTRUCTION SITE LITTER.
- THE CONTRACTOR WILL BE DIRECTED TO STORE STOCKPILED MATERIAL ON CITY OF SAN DIEGO RIGHT-OF-WAY. WATER POLLUTION SCHEDULE IS TO BE DETERMINED BY THE CONTRACTOR AT THE PRE-CONSTRUCTION MEETING.

The following is a list of construction activities that have the potential to contribute sediment to stormwater discharges include:

- OPEN TRENCHING, REMOVAL OF EXISTING 49 LINEAR FEET OF SEWER MAIN, PAVING, ASPHALT REPAIR, MACHINERY OILS & GREASES.

30.1.2 Potential Pollutants from Site Features or Known Contaminants

Existing site features that, as a result of past usage, may contribute pollutants to stormwater (e.g., toxic materials that are known to have been treated, stored, disposed, spilled, or leaked onto the construction site) include:

- N/A

The following contaminants are known to exist at the project site locations identified:

- N/A

30.2 Soil Stabilization (Erosion Control) and Sediment Control

30.2.1 Soil Stabilization BMPs

The following soil stabilization BMP implementation table indicates the BMPs that shall be implemented to control erosion on the construction site. Implementation and locations of temporary soil stabilization BMPs are shown on the WPCDs in Attachment A and described in this section. Any additional BMP detail drawing necessary to convey site specific BMP configurations can also be found in Attachment A of this WPCP. The following list of BMPs and narrative explain how the selected BMPs will be incorporated into the project.

TEMPORARY SOIL STABILIZATION BMPs

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CONSTRUCTION BMP ID NO. (1)	BMP NAME	CONTRACT MIN REQUIRE- MENT (2)	CONTRACT BID ITEM	BMP USED		IF A CONTRACT MINIMUM REQUIREMENT BUT NOT USED, STATE REASON
				Yes	No	
SS-1	Scheduling	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	All work done on paved street
SS-2	Preservation of Property/ Preservation of Existing Vegetation	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	All work done on paved street
SS-3 Bonded	Temporary Hydraulic Mulch (Bonded Stabilized Fiber Matrix)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	All work done on paved street
SS-3 Polymer	Temporary Hydraulic Mulch (Polymer Stabilized Fiber Matrix)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	All work done on paved street
SS-4	Temporary Erosion Control (With Temporary Seeding)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	All work done on paved street
SS-5	Temporary Soil Stabilizer	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	All work done on paved street
SS-6	Temporary Erosion Control (Straw Mulch with Stabilizing Emulsion)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	All work done on paved street
SS-7 Slope	Temporary Erosion Control Blanket (On Slope)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	All work done on paved street
SS-7 Swale	Temporary Erosion Control Blanket (In swale or ditch)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	All work done on paved street
SS-7 Geotextile	Temporary Cover (Geotextiles and Mats)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	All work done on paved street
SS-8	Temporary Mulch (Wood)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	All work done on paved street
SS-9	Earth Dikes / Drainage Swales & Lined Swales	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	All work done on paved street
SS-10	Outlet Protection / Velocity Dissipation Devices	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	All work done on paved street
SS-11	Slope Drains	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	All work done on paved street
SS-12	Streambank Stabilization	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	All work done on paved street
ALTERNATIVE TEMPORARY SOIL STABILIZATION BMPs USED (3)						
<input type="radio"/> Yes <input checked="" type="radio"/> No						

Water Pollution Control Program (WPCP)
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Notes:

- (1) The BMP designations (SS-1, SC-3, etc.) are solely for maintaining continuity with existing Caltrans documents and are not provided to imply that the Construction Site Best Management Practices (BMPs) Reference Manual is a required contract document.
- (2) Minimum requirements are based on the required contract plans and specifications. Not all minimum requirements may be applicable to every project. Applicability to a specific project shall be determined by the WPCP Preparer or WPC Manager.
- (3) Use of alternative BMPs will require written approval by the Resident Engineer

30.2.2 Soil Stabilization BMPs

The following sediment control BMP implementation table indicates the BMPs that shall be implemented to control sediment on the construction site. Implementation and locations of temporary sediment control BMPs are shown on the WPCDs in Attachment A and described in this section. Any additional BMP detail drawings necessary to convey site specific BMP configurations can also be found in Attachment A of this WPCP. The following list of BMPs and narrative explain how the selected BMPs will be incorporated into the project.

TEMPORARY SEDIMENT CONTROL BMPs						
CONSTRUCTION BMP ID NO. (1)	BMP NAME	CONTRACT MIN REQUIREMENT (2)	CONTRACT BID ITEM	BMP USED		IF A CONTRACT MINIMUM REQUIREMENT BUT NOT USED, STATE REASON
				Yes	No	
SC-1	Temporary Silt Fence	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	All work done on paved streets. No unpaved slopes which requires this item.
SC-2	Temporary Sediment Basin	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	All work done on paved streets. Runoff in SD inlets. Project will provide inlet protection.
SC-4	Temporary Check Dam	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	All work done on paved streets. Runoff in SD inlets. Project will provide inlet protection.
SC-5	Temporary Fiber Rolls	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	No erosion requiring fiber rolls. All work done on paved streets.
SC-6	Temporary Gravel Bag Berm	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	All work done on paved streets. Runoff in SD inlets. Project will provide inlet protection.
SC-7	Street Sweeping	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="radio"/>	<input type="radio"/>	All work done on paved street.
SC-8	Temporary Sandbag Barrier	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="radio"/>	<input type="radio"/>	
SC-9	Temporary Straw Bale Barrier	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	No erosion. All work done on paved streets.
SC-10	Temporary Drain Inlet Protection	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="radio"/>	<input type="radio"/>	
ALTERNATIVE SEDEMENT CONTROL BMPs USED (3)						
<input type="radio"/> Yes <input checked="" type="radio"/> No						

Water Pollution Control Program (WPCP)
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 Contract No. TBD

Notes:

- (1) The BMP designations (SS-1, SC-3, etc.) are solely for maintaining continuity with existing Caltrans documents and are not provided to imply that the Construction Site Best Management Practices (BMPs) Reference Manual is a required contract document.
- (2) Minimum requirements are based on the required contract plans and specifications. Not all minimum requirements may be applicable to every project. Applicability to a specific project shall be determined by the WPCP Preparer or WPC Manager.
- (3) Use of alternative BMPs will require written approval by the Resident Engineer

In the event of rain, items SC-8 and SC-10 will be used to protect downstream storm drain inlets from construction runoff. This will protect the surrounding construction area within Caltrans ROW.

Item SC-7 is a requirement to the Contractor during construction at the construction site within the impacted Caltrans ROW and surrounding construction areas at Camino Del Rio South, and will occur daily.

30.2.3 Tracking Control BMPs

The following tracking control BMP implementation table indicates the BMPs that shall be implemented to reduce sediment tracking from the construction site onto private or public roads. Implementation and locations of tracking control BMPs are shown on the WPCDs in Attachment A and described in this section. Any additional BMP detail drawings necessary to convey site specific BMP configurations can also be found in Attachment A of this WPCP. The following list of BMPs and narrative explain how the selected BMPs will be incorporated into the project.

TEMPORARY TRACKING CONTROL BMPs						
CONSTRUCTION BMP ID NO.(1)	BMP NAME	CONTRACT MIN REQUIREMENT (2)	CONTRACT BID ITEM	BMP USED		IF A CONTRACT MINIMUM REQUIREMENT BUT NOT USED, STATE REASON
				Yes	No	
SC-7	Street Sweeping	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	All work done on paved street
TC-1	Temporary Construction Entrance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	N/A, All work done on paved street. Remove and replace chain link fence.
TC-2	Stabilization Construction Roadway	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	N/A, All work done on paved street
TC-3	Temporary Entrance / Outlet Tire Wash	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	We will direct contractor to NOT locate washout areas within Caltrans ROW
ALTERNATIVE TRACKING CONTROL BMPs USED (3)						
<input type="radio"/> Yes <input checked="" type="radio"/> No						

Notes:

- (1) The BMP designations (SS-1, SC-3, etc.) are solely for maintaining continuity with existing Caltrans documents and are not provided to imply that the Construction Site Best Management Practices (BMPs) Reference Manual is a required contract document.
- (2) Minimum requirements are based on the required contract plans and specifications. Not all minimum requirements may be applicable to every project. Applicability to a specific project shall be determined by the WPCP Preparer or WPC Manager.
- (3) Use of alternative BMPs will require written approval by the Resident Engineer

30.2.4 Wind Erosion Control BMPs

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 Contract No. TBD

The following wind erosion control BMP implementation table indicates the BMPs that shall be implemented to control wind erosion on the construction site. Implementation and locations of wind erosion control BMPs are shown on the WPCDs in Attachment A and/or described in this section. The following list of BMPs and narrative explain how the selected BMPs shall be incorporated into the project.

TEMPORARY WIND EROSION CONTROL BMPs						
CONSTRUCTION BMP ID NO. (1)	BMP NAME	CONTRACT MIN REQUIREMENT (2)	CONTRACT BID ITEM	BMP USED		IF A CONTRACT MINIMUM REQUIREMENT BUT NOT USED, STATE REASON
				Yes	No	
WE-1	Wind Erosion Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No erosion anticipated, very minimal trenching will occur in dirt areas.
TC-1	Temporary Construction Entrance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Entrance/Staging Areas will be on City of San Diego ROW only.
TC-2	Stabilization Construction Roadway	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Work is on existing paved street and small portion of dirt only.
	All Soil Stabilization Measures included in Section 30.2.1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Work is on existing paved street and small portion of dirt only.
ALTERNATIVE WIND EROSION CONTROL BMPs USED (3) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No						

Notes:

- (1) The BMP designations (SS-1, SC-3, etc.) are solely for maintaining continuity with existing Caltrans documents and are not provided to imply that the Construction Site Best Management Practices (BMPs) Reference Manual is a required contract document.
- (2) Not all minimum requirements may be applicable to every project. Applicability to a specific project shall be determined by the contractor and approved by the Resident Engineer.
- (3) Use of Alternative BMPs will require written approval by the Resident Engineer.

30.3 Construction Site Management

30.3.1 Non-Stormwater Management BMPs

The following BMP implementation table indicates the BMPs that have been selected to control non-stormwater pollution on the construction site. Implementation and locations of non-stormwater control BMPs are shown on the WPCDs in Attachment A and described in this section. Any additional BMP detail drawings necessary to convey site specific BMP configurations can also be found in Attachment A of this WPCP.

Construction Site Management Non-Stormwater Pollution Control BMPs						
CONSTRUCTION BMP ID NO. (1)	BMP NAME	CONTRACT MIN REQUIREMENT (2)	CONTRACT BID ITEM	BMP USED		IF A CONTRACT MINIMUM REQUIREMENT BUT NOT USED, STATE REASON
				Yes	No	
NS-1	Water Control and	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Replacement of sewer main

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	Conservation	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
						with monitored runoff discharge to state ROW.
NS-2	Dewatering (3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not In scope of project
NS-3	Paving, Sealing, Sawcutting, and Grinding Operations	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	All work done on paved street and portion of dirt only
NS-4	Temp Stream Crossing (3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	N/A. All drainage is directed to existing storm drains and storm drain inlets.
NS-5	Clear Water Diversion (3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No diversion required within Caltrans ROW
NS-6	Illegal Connection and Illegal Discharge Detection Reporting	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	No illegal connection & discharge will be allowed
NS-7	Potable Water / Irrigation	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Replacement of sewer main with NO runoff discharge to State ROW
NS-8	Vehicle and Equipment Cleaning	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Will not be within Caltrans ROW
NS-9	Vehicle and Equipment Fueling	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Will not be within Caltrans ROW
NS-10	Vehicle and Equipment Maintenance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Will not be within Caltrans ROW
NS-11	Pipe Driving Operations	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not in scope of project
NS-12	Concrete Curing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not in scope of work
NS-13	Material and Equipment Used Over Water	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	No materials and equipment will be used over water within or near Caltrans ROW
NS-14	Concrete Finishing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Not in scope of project
NS-15	Structure Demolition / Removal Over or Adjacent to Water	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Existing MH bottom structure removal on dirt portion within Caltrans ROW
ALTERNATIVE NON-STORMWATER POLLUTION CONTROL BMPs USED (4)						
<input type="radio"/> Yes <input checked="" type="radio"/> No						

Notes:

- (1) The BMP designations (SS-1, SC-3, etc.) are solely for maintaining continuity with existing Caltrans documents and are not provided to imply that the Construction Site Best Management Practices (BMPs) Reference Manual is a required contract document.
- (2) Not all minimum requirements may be applicable to every project. Applicability to a specific project shall be determined by the contractor and approved by the Resident Engineer.
- (3) The BMPs listed above are incidental and do not include operations included as separated line items in the contract.
- (4) Use of alternative BMPs will require written approval by the Resident Engineer

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NS-1: Construction Water Use is metered. The resident engineer will monitor construction water use to limit construction runoff on site and near Caltrans ROW.

Potential Non-Stormwater pollution requiring items NS-3 are due to sewer main installation & street resurfacing near Caltrans ROW and along Camino Del Rio South.

NS-6: The contractor shall report any instance of illegal discharge or illicit connections to the WPCM, the onsite supervisor and/or directly to the City of San Diego Resident Engineer immediately upon becoming aware of them.

30.3.2 Waste Management and Materials Pollution Control BMPs

The following BMP implementation table indicates the BMPs that have been selected to control pollutants from construction site wastes and materials. Implementation and locations of materials handling and waste management BMPs are shown on the WPCDs in Attachment A. Any additional BMP detail drawings necessary to convey site specific BMP configurations can also be found in Attachment A of this WPCP. The following list of BMPs and narrative explain how the selected BMPs will be incorporated into the project.

Construction Site Management Waste Management and Materials Pollution Control BMPs						
CONSTRUCTION BMP ID NO.(1)	BMP NAME	CONTRACT MIN REQUIREMENT (2)	CONTRACT BID ITEM	BMP USED		IF A CONTRACT MINIMUM REQUIREMENT BUT NOT USED, STATE REASON
				Yes	No	
WM-1	Material Delivery and Storage	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	Not in Caltrans ROW
WM-2	Material Use	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	Not in Caltrans ROW
WM-3	Stockpile Management	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	Not in Caltrans ROW
WM-4	Spill Prevention and Control	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	Not in Caltrans ROW
WM-5	Solid Waste Management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	Not in Caltrans ROW
WM-6	Hazard Waste Management (3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	No hazardous waste anticipated in this area
WM-7	Contaminated Soil Management (3)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	No contaminated soils anticipated in this area
WM-8 managed	Concrete Waste Management	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	Not in Caltrans ROW
WM-8 temporary	Temporary Concrete Washout Facility	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	Not in Caltrans ROW

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WM-8 portable	Temporary Concrete Washout (Portable)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	Not in Caltrans ROW
WM-9	Sanitary/Septic Waste Management	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	Not in Caltrans ROW
WM-10	Liquid Waste Maintenance	<input type="checkbox"/>	<input type="checkbox"/>	<input type="radio"/>	<input checked="" type="radio"/>	No Liquid Waste
ALTERNATIVE WASTE MANAGEMENT AND MATERIALS POLLUTION CONTROL BMPs USED (4) <input type="radio"/> Yes <input checked="" type="radio"/> No						

Notes:

- (1) The BMP designations (SS-1, SC-3, etc.) are solely for maintaining continuity with existing Caltrans documents and are not provided to imply that the Construction Site Best Management Practices (BMPs) Reference Manual is a required contract document.
- (2) Not all minimum requirements may be applicable to every project. Applicability to a specific project shall be verified by the contractor and approved by the Resident Engineer.
- (3) The BMPs listed above are incidental and do not include operations included as separated line items in the contract.
- (4) Use of alternative BMPs will require written approval by the Resident Engineer.

WM-2: This represents all materials used to replace sewer mains, although stockpiles, etc. will not be located within Caltrans ROW

WM-4: In the event of a spill during construction, the contractor is specified to provide a plan of action.

WM-5: The contractor will dispose construction Debris during the removal and installation of all sewer materials under this project.

30.4 Water Pollution Control Drawings (WPCDs)

The Water Pollution Control Drawings (WPCDs) show the necessary BMPs by project phase/stage for the project to be in compliance with water pollution control requirements. The WPCDs provide field staff with the information on where to install BMPs so that they are effective. The WPCDs and Water Pollution Control Schedule provide the necessary tools for a contractor to plan and implement BMPs to meet the requirements of the project WPCP.

The WPCD cover sheet(s) shall include a listing of the BMPs that will be used along with the associated BMP symbols used on the WPCDs.

WPCDs are provided for all areas that are directly related to the construction activity, including but not limited to staging areas, storage yards, material borrow areas and storage areas, access roads, etc., whether or not they reside within the Caltrans rights-of-way.

The WPCDs shall show the construction project site in detail, including:

- construction site perimeter
- geographic features within or immediately adjacent to the site, including surface waters such as lakes, streams, springs, wetlands, estuaries, ponds, and the ocean
- site topography before and after construction, including roads, paved areas, buildings, slopes, drainage facilities, and areas of known or suspected contamination

- permanent (post-construction) BMPs

The WPCDs shall show the following site information:

- discharge points from the project to offsite storm drain systems or receiving waters
- tributary areas and drainage patterns across the project area (show using flow arrows) into each onsite stormwater inlet or receiving water
- tributary areas and drainage patterns to each onsite stormwater inlet, receiving water or discharge point
- offsite tributary drainage areas that generate run-on to the project
- temporary onsite drainage(s) to carry concentrated flows
- drainage patterns and slopes anticipated after major grading activities are completed
- outline of all areas of existing vegetation, soil cover, or native vegetation that will remain undisturbed during the project
- outline of all areas of planned soil disturbance (disturbed soil areas, DSAs)
- known location(s) of contaminated or hazardous soils
- any potential non-stormwater discharges and activities, such as dewatering operations, concrete saw-cutting or coring, pressure washing, waterline flushing, diversions, cofferdams, and vehicle and equipment cleaning. If operations can't be located on the WPCDs, a narrative description is provided.

The WPCDs show proposed locations of all construction site BMPs. Additional detail drawings are provided if necessary to convey site-specific BMP configurations. The WPCDs shall show construction site BMPs including the following:

- temporary soil stabilization and temporary sediment control BMPs that will be used during construction. Any temporary onsite drainage(s) to carry concentrated flows, BMPs implemented to divert offsite drainage around or through the construction site, and BMPs that protect stormwater inlets
- construction entrances used for site ingress and egress entrance and exit points and any proposed temporary construction roads
- BMPs to mitigate or eliminate non-stormwater discharges
- BMPs for waste management and materials pollution control, including, but not limited to storage of soil or waste; construction material loading, unloading, storage and access areas; and areas designated for waste handling and disposal
- BMPs for vehicle and equipment storage, fueling, maintenance, and cleaning

The WPCDs are included as Attachment A to this WPCP.

30.5 Water Pollution Control Schedule

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The Water Pollution Control Schedule (WPCS) is the component of the project WPCP that shows the timeline for when BMPs will be installed so that the project is in compliance with water pollution control requirements. The WPCS provides field staff with the information necessary to plan for adequate materials and crews to install BMPs at the right time so that they are effective. The Water Pollution Control Schedule and Water Pollution Control Drawings provide the necessary tools for a contractor to plan and implement BMPs to meet the requirements of the project WPCP.

The WPCS shall contain an adequate level of detail to show major activities sequenced with implementation of construction site BMPs, including:

- project start and finish dates, including each stage of the project
- WPCP review and acceptance
- mobilization dates
- mass clearing and grubbing/roadside clearing dates
- major grading/excavation dates
- dates named in other permits such as Fish and Game and Army Corps of Engineers Permits

The WPCS shall show implementation dates by location for deployment of:

- temporary soil stabilization BMPs
- temporary sediment control BMPs
- wind erosion control BMPs
- tracking control BMPs
- non-stormwater BMPs
- waste management and materials pollution control BMPs

The WPCS shall include:

- paving, saw-cutting, and any other pavement related operations
- major planned stockpiling operations
- dates for other significant long-term operations or activities that may cause non-stormwater discharges such as dewatering, grinding, etc.
- final stabilization activities for each disturbed soil area of the project

The WPCS when updated shall be filed in WPCP File Category 20.03 Water Pollution Control Schedule Updates.

The WPCS is included as Attachment B to this WPCP.

SECTION 40

WPCP Implementation

40.1 Water Pollution Control Manager Responsibilities

The Water Pollution Control Manager (WPC Manager) shall have primary responsibility and authority to implement the WPCP. The WPC Manager is responsible for WPCP implementation and amending the WPCP when any of the conditions specified in Section 10 are met. The Contractor has assigned authority to the WPC Manager to mobilize crews and subcontractors as necessary for WPCP compliance. The WPC Manager will be available at all times throughout duration of the project.

Duties of the contractor's WPC Manager include but are not limited to:

- ensuring compliance with the WPCP
- implementing all elements of the WPCP and contract specifications, including but not limited to implementing:
 - prompt and effective erosion and sediment control measures
 - non-stormwater management, and materials and waste management activities such as: monitoring discharges (dewatering, diversion devices); general site clean-up; vehicle and equipment cleaning, fueling and maintenance; spill control; ensuring that no materials other than stormwater are discharged in quantities, which will have an adverse effect on receiving waters or storm drain systems, etc.
- overseeing and ensuring that the following site inspections and visual monitoring is conducted:
 - daily required BMP inspections
 - weekly routine stormwater site BMP inspections
 - quarterly non-stormwater site inspections
 - pre-storm inspections for forecasted storm events
 - daily inspections during forecasted storm events
 - post-storm inspections for qualified rain events that produce project site runoff
- monitoring NWS Forecast Office forecasts for both storm events and qualified rain events; these events are defined as follows:
 - a forecasted storm event is defined as a 50% or greater likelihood that 0.10 inches or more of precipitation will fall within a 24-hour period
 - a qualifying rain event is defined as a rain event that may produce or has produced ½ inch or more of precipitation
- preparing Amendments to the WPCP when required
- ensuring elimination of all unauthorized discharges
- mobilizing crews in order to make immediate repairs to the control measures

- coordinating with the Resident Engineer to assure all of the necessary corrections/repairs are made immediately, and that the project complies with the WPCP and approved plans at all times
- preparing and submitting Notices of Discharge Reports
- preparing and submitting Illicit Connections or Illegal Discharge Reports

40.2 Weather Forecast Monitoring

The Water Pollution Control Manger (WPC Manager) shall have primary responsibility to monitor the National Weather Service Forecast Office for forecasted precipitation based on project site location. Precipitation forecast information shall be obtained from the National Weather service Forecast Office available at:

<http://www.srh.noaa.gov/>

The project site location to be used for obtaining forecast from National Weather Forecast Office website is

The WPC Manager shall monitor the weather forecast on a daily basis for predicted precipitation within the following 96 hours. The WPC Manager shall monitor the forecast for the next 24, 48, 72 and 96 hours to determine if the forecast for precipitation is 50 percent or greater for any 6-hour period. If the forecast for precipitation is 50 percent or greater, the WPC Manager shall calculate the amount of precipitation forecasted for each 24-hour period and the total precipitation for the forecasted storm event and record the information.

When there is a forecasted fifty percent (50%) or greater chance of likely precipitation of 0.10 inch” or more then a pre-storm stormwater site inspection is required and the WPC Manager shall ensure that the site is prepared for the forecasted storm event. Site preparation for a forecasted storm event shall include, but is not limited to, the installation of soil stabilization and sediment best management practices on active disturbed soil areas and stockpiles.

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Documentation of weather forecast monitoring shall be recorded on CEM-2040 Weather Forecast Monitoring Log form, in Appendix E. The weather monitoring logs shall be filed in WPCP File Category 20.40: Weather Monitoring Logs.

40.3 Best Management Practices Status Report

The Water Pollution Control Manger (WPC Manager) shall prepare a weekly status report of the water pollution control best management practcies installed on the project site and best management practices that will be deployed the following week. Because the WPCP and WPCDs are based on the entire project site and all construction activities, the weekly BMP status report should be a “snapshot” of what best management practices could be expected to be seen on the project site that week. The weekly status report will be used by stormwater inspectors and contractor pesonnel to ensure WPCP compliance.

The weekly status report will be used to ensure that weekly training meetings cover BMPs that are required for work activities during the week. The weekly status report will be provided to regulatory agency staff who visit the project site to indicate which BMPs should be in place and which are scheudeled to be implemented during the week.

The weekly status of stormwater BMPs will be documented on CEM-2034 Stormwater Best Management Practices Status Report form, in Appendix F. Completed weekly status reports shall be submitted to the RE 48 hours prior to the beginning of the work week. Copies of the completed reports will be kept in WPCP File Category 20.34: Best Management Practices Weekly Status Reports..

40.4 Stormwater Site Inspections and Site Visual Monitoring

Stormwater site inspections and visual monitoring are necessary to ensure that the project is in compliance with WPCP.

40.5 Stormwater Site Inspections

Project site inspections of stormwater BMPs are conducted to identify and record:

- that BMPs are properly installed
- what BMPs need maintenance to operate effectively
- what BMPs have failed
- what BMPs could fail to operate as intended

Routine stormwater site inspections shall be conducted by the Contractor's WPC Manager or other 24-hour trained staff at the following minimum frequencies:

- daily for required BMPs
- weekly
- daily for projects within the Lake Tahoe Hydrologic Unit.

Stormwater site inspections will be documented on CEM-2030 Stormwater Site Inspection Report in Appendix G. Completed inspection reports shall be submitted to the RE within 24 hours of inspection. Copies of the completed reports will be kept in WPCP File Category 20.31: Contractor Stormwater Site Inspection Reports.

Deficiencies identified in site inspection reports and correction of deficiencies will be tracked on CEM-2035 Stormwater Site Inspection Report Corrective Actions Summary, in Appendix H. Corrections summaries shall be submitted to the RE when corrections are completed but must be submitted within 5 days of a site inspection. Copies of the completed correction summary reports shall be attached to the corresponding Stormwater Site Inspection Report and shall be kept in WPCP File Category 20.31: Contractor Stormwater Site Inspection Reports.

40.6 Site Visual Monitoring

Stormwater site visual monitoring inspections shall be conducted at the following minimum frequencies:

- Prior to a forecasted storm event
- At 24-hour intervals during extended forecasted storm events
- Post qualifying rain event that generated site runoff
- Quarterly for non-stormwater discharges

Site visual monitoring inspections for non-stormwater discharges will be conducted once during each of the following periods: January-March, April-June, July-September, and October-December.

If visual monitoring of the site is unsafe because of dangerous weather conditions, such as flooding and electrical storms, the stormwater site inspector shall document the reason for the exception. Documentation that the site visual monitoring inspection could not be performed shall be filed in WPCP File Category 20.33: Site Visual Monitoring Inspection Reports.

40.6.1 Visual Monitoring Prior To a Forecasted Storm Event

Visual monitoring of the project site is required when the forecast for precipitation is greater than 50 percent within the next 24, 48, 72, or 96 hours and the amount of precipitation forecasted for any 24-hour period during the forecasted storm event is 0.10 inch or greater. Site visual monitoring for precipitation events shall be conducted within 48 hours prior to a forecasted storm event. The pre-storm site visual monitoring inspection shall visual observe:

- all stormwater drainage areas to identify any spills, leaks, or uncontrolled pollutant sources
- any stormwater storage and containment areas to detect leaks and ensure maintenance of adequate freeboard
- all BMPs for proper installation and adequate maintenance

Observations of the site and any recommended corrective actions will be documented on CEM-2030 Stormwater Site Inspection Report. Any photographs used to document observations will be referenced on stormwater site inspection report.

40.6.2 Visual Monitoring During Extended Forecasted Storm Event

Stormwater visual monitoring site inspections shall be conducted at least once each 24-hour period during extended forecasted storm events. The during storm site visual monitoring inspection shall visual observe:

- stormwater discharges at all discharge locations
- any stored or contained stormwater that is derived from and discharged subsequent to the forecasted storm event. Stored or contained stormwater that will likely discharge after working hours due to anticipated precipitation shall be observed prior to the discharge during working hours.

Stormwater discharges and stored or contained stormwater will be observed for the presence or absence of floating and suspended materials, sheen on the surface, discolorations, turbidity, odors, and source(s) of any observed pollutants.

A during forecasted storm event visual monitoring site inspection will include observation of all site BMPs for:

- proper installation
- maintenance
- failure
- BMPs that could fail to operate as intended
- effectiveness so that design changes can be implemented as soon as feasible

Observations of the site and any recommended corrective actions will be documented on CEM-2030 Stormwater Site Inspection Report. Any photographs used to document observations will be referenced on stormwater site inspection report.

Required corrective actions will be initiated within 72 hours after they are identified and completed as soon as possible.

40.6.3 Visual Monitoring Within 48 Hours After A Qualifying Rain Event Generating Site Runoff

Site visual monitoring post precipitation events shall be conducted within 48 hours of any qualifying rain event that causes site runoff. The post-storm site visual monitoring inspection shall visual observe:

- Stormwater discharges at all discharge locations
- Any stored or contained stormwater that is derived from and discharged subsequent to the qualifying rain event. Stored or contained stormwater that will likely discharge after working hours due to anticipated precipitation shall be observed prior to the discharge during working hours.

Stormwater discharges and stored or contained stormwater will be observed for the presence or absence of floating and suspended materials, sheen on the surface, discolorations, turbidity, odors, and source(s) of any observed pollutants.

Post qualifying rain event stormwater visual monitoring site inspection will include observation of all site BMPs for:

- proper installation
- maintenance
- failure
- BMPs that could fail to operate as intended
- effectiveness so that design changes can be implemented as soon as feasible

Observations of the site and any recommended corrective actions will be documented on fCEM-2030 Stormwater Site Inspection Report. Any photographs used to document observations will be referenced on stormwater site inspection report.

Any corrective actions will be completed as soon as possible but if BMPs require design changes the implementation of changes will begin within 72 hours of identification and the changes will be completed as soon as possible.

40.6.4 Visual Monitoring Non-Stormwater Discharges

Visual monitoring and observations for non-stormwater discharges will be conducted for the presence or indications of prior unauthorized and authorized non-stormwater discharges and their sources. The presence or absence of non-stormwater discharges based on site observations will be documented on CEM-2030 Stormwater Site Inspection Report. Documentation of observed non-stormwater discharges will include presence or absence of floating and suspended materials, sheen on the surface, discolorations, turbidity, odors, and source(s) of any observed pollutants.

Observations of the site and the response taken to eliminate any unauthorized non-stormwater discharges and to reduce or prevent pollutants from contacting non-stormwater discharges shall be documented on CEM-2030 Stormwater Site Inspection Report. Any photographs used to document observations will be referenced on stormwater site inspection report.

If a discharge or evidence of a prior discharge is discovered, reporting will comply with the requirements in Section 50-2 Discharge Reporting Requirements.

If an illicit connection or illegal discharge is discovered, reporting will comply with the requirements in Section 50-4 Illicit Connection/Illegal Discharge Reporting.

40.6.5 Visual Monitoring Documentation, Follow-up and Tracking Procedures

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Site visual monitoring site inspections will be documented on CEM-2030 Stormwater Site Inspection Report, in Appendix G. Completed inspection reports shall be submitted to the Resident Engineer within 24 hours of inspection. Copies of the completed reports will be kept in WPCP File Category 20.33: Site Visual Monitoring Inspection Reports.

For deficiencies identified by site visual monitoring inspections the required repairs or maintenance of BMPs shall begin and be completed as soon as possible. For deficiencies identified by visual site inspections that require design changes, including additional BMPs, the implementation of changes will begin within 72 hours of identification and be completed as soon as possible. When design changes to BMPs are required the WPCP shall be amended, including Water Pollution Control Drawings.

Deficiencies identified in site visual monitoring inspection reports and correction of deficiencies will be tracked on CEM-2035 Stormwater Site Inspection Report Corrective Actions Summary, in Appendix H. Corrections summaries shall be submitted to the RE when corrections are completed and must be submitted within 5 days of the site inspection.

Completed CEM-2035 Stormwater Site Inspection Report Corrective Actions Summary forms shall be filed in WPCP File Category 20.35: Corrective Actions Summary. A copy of the completed CEM-2035 Stormwater Site Inspection Report Corrective Actions Summary form will also be attached to the corresponding visual monitoring inspection report and shall be kept in the WPCP File Category 20.33.

SECTION 50

WPCP Reporting Requirements

50.1 Record Keeping

To manage the various documents required to by the WPCP and to provide easy access to the documents the following WPCP file categories will be used to file WPCP compliance documents:

- File Category 20.01 Water Pollution Control Program (WPCP)
- File Category 20.03 Water Pollution Control Schedule Updates
- File Category 20.10 Correspondence
- File Category 20.23 Stormwater Training Documentation
- File Category 20.31 Contractor Stormwater Site Inspection Reports
- File Category 20.33 Site Visual Monitoring Inspection Reports
- File Category 20.34 Best Management Practices Weekly Status Report
- File Category 20.40 Weather Monitoring Logs
- File Category 20.61 Notice of Discharge Reports

Records shall be retained for a minimum of three years for the following items:

- Accepted WPCP and Amendments
- Stormwater Site Inspection Reports
- Site Inspection Report Corrective Actions Summary
- Notice of Discharge Reports

50.2 Discharge Reporting

If a discharge or evidence of a prior discharge is discovered by the contractor, the contractor shall notify the Resident Engineer within 6 hours of the discharge event or discovery, and will file a written report to the Resident Engineer within 48 hours of the discharge event or discovery of evidence of a prior discharge. The written report to the Resident Engineer will contain the following items:

- the date, time, location, and type of unauthorized discharge
- nature of operation that caused the discharge
- initial assessment of any impacts caused by the discharge
- the BMPs deployed before the discharge event
- the date of deployment and type of BMPs deployed after the discharge event, including additional measures installed or planned to reduce or prevent re-occurrence

- steps taken or planned to reduce, eliminate and/or prevent recurrence of the discharge

Reporting of discharges shall be documented on CEM-2065 Notice of Discharge, in Appendix I. Completed CEM-2065 Notice of Discharge reports shall be submitted to the Resident Engineer within 24 hours of discharge event or discovery of evidence of a prior discharge. Copies of the CEM-2065 Notice of Discharge reports will be kept in WPCP File Category 20.61: Notice of Discharge Reports.

50.3 Regulatory Agency Notice or Order Reporting

If the project receives a written notice or order from any regulatory agency, the contractor will notify the Resident Engineer within 6 hours of receiving the notice or order and will file a written report to the Resident Engineer within 48 hours of receiving the notice, or order. Corrective measures will be implemented immediately following the notice or order.

The report to the Resident Engineer will contain the following items:

- date, time, location, and cause or nature of the notice or order
- BMPs deployed prior to receiving notice or order
- date of deployment and type of BMPs deployed after receiving the notice or order, including additional BMPs installed or planned to reduce or prevent re-occurrence
- an implementation and maintenance schedule for any affected BMPs

50.4 Illicit Connection/Illegal Discharge Reporting

If the contractor discovers an illicit connection to a storm drain system or any pipe discharging on to the project site not shown on the project plans the contractor shall notify the Engineer within 6 hours of the discovery and will file a written report to the Engineer within 48 hours of the discovery.

If the contractor discovers any illegal discharge including illegal dumping of material on the project site the contractor shall immediately notify the Engineer and will file a written report to the Engineer within 3 days of discovery.

The report to the Engineer will contain the following items:

- date, time, and location of the discovery
- details of the illicit connection or illegal discharge, including any photographs taken
- any actions taken to contain illegal discharge
- any sampling and testing to determine material dumped or discharged

Attachment A

Water Pollution Control Drawings



ATTACHMENT 'A'

7-8 PROJECT SITE MAINTENANCE:

7-8.6 Water Pollution Control: Add The Following. The Contractor shall comply with all applicable standards, rules regulations, orders and requirements issued under Section 508 of the Clean Water Act (33 U.S.C. 1368) Executive Order 11738, the San Diego Municipal Code and all applicable federal, state and City standards, rules, regulations, orders and requirements. The following is a list of definitions used in this section:

Clean Water Act (CWA): The Federal Water Pollution Control Act enacted in 1972 by Public Law 92-500 and amended by the Water Quality Act of 1987. The Clean Water Act prohibits the discharge of pollutants to Waters of the United States unless said discharge is in accordance with an NPDES permit. The 1987 amendments include guidelines for regulating municipal, industrial, and construction storm water discharges under the NPDES program.

National Pollutant Discharge Elimination System (NPDES): The Environmental Protection Agency's (EPA) program to control the discharge of pollutants to waters of the United States. NPDES is a part of the federal CWA, which requires point and non-point source discharges to obtain permits. These permits are referred to as NPDES permits.

Best Management Practice (BMP): (1) A method that is implemented to protect water quality and reduce the potential for pollution associated with storm water runoff and construction activities, (2) any program, technology, process, siting criteria, operating method, measure, or device that controls, prevents, removes, or reduces pollution.

Maximum Extent Practicable (MEP): The technology-based standard established by Congress in the Clean Water Act 402(p)(3)(B)(iii) that municipal discharges of urban runoff must meet. MEP generally emphasizes pollution prevention and source control BMP's primarily (as the first line of defense) in combination with treatment methods serving as a backup (additional lines of defense).

Small Linear Underground/Overhead Construction Project Permit (Small LUP): The Water Discharge Requirements for Discharges of Storm Water Runoff Associated with Small Linear Underground/Overhead Construction Projects, General Permit No CAS00005 that regulates storm water discharges from Small LUP and includes, but are not limited to, any conveyance, pipe, or pipeline for the transportation an any gaseous, liquid, liquescent or slurry substance and/or transmission of electrical energy and associated ancillary facilities. The Small LUP regulates construction activities associated with these projects.

Tier I Storm Water Pollution Prevention Plan (Tier I SWPPP): A document required by the State General Construction Permit for storm water discharges associated with construction activity from small linear underground/overhead projects (www.waterboards.ca.gov/stormwtr/linear_const.html). The document includes site map(s), an identification of construction and Contractor activities that could potentially cause pollutant discharges in the storm water, a plan on the methods and a description of measures or practices to control these pollutants. A TIER I SWPPP is required for linear sites with between one and five acres of impact, where greater than 70% of construction activity is within paved areas.

Linear Construction Activity Notification (LCAN): A Notification form to be filed with the Regional Water Quality Control Board (RWQCB) which details SLUP project information including when a SLUP project will be constructed. This form should be filed prior to construction.

Linear Construction Termination Notification (LCTN): A Notification form to be filed with RWQCB which details that the construction for SLUP project (previously notified with a LCAN) will be or has been terminated.

Weather Triggered Action Plan (WTAP): A written plan that shall be deployed with standby BMP's as needed to protect the exposed portions of the site within 24 hours of prediction of a storm event (a predicted storm event is defined as a forecasted, 40% or greater chance of rain).

Qualified Contact Person (QCP): The QCP shall be trained and competent in the use of BMP's and shall be on site daily to evaluate the conditions of the site with respect to storm water pollution prevention.

Add: 7-8.6.1 Site Management. The Contractor shall prepare the Tier I SWPPP based on the Tier I SWPPP template available at www.waterboards.ca.gov/stormwtr/linear_const.html. The Tier I SWPPP shall also include a site specific Sampling and Analysis Program in accordance with the requirements set forth in the Small LUP Permit. The Contractor shall submit the Tier I SWPPP to the City for review at the preconstruction meeting. The Contractor shall revise the Tier I SWPPP to the satisfaction of the City, file one copy of the completed Tier I SWPPP with the City, and maintain the Tier I SWPPP at the construction site. The Contractor shall implement and update the Tier I SWPPP when necessary to match site conditions, monitor the construction site, and maintain BMP's in effective working condition. The project is required to have filed a LCAN prior to start on any construction activities.

The CONTRACTOR shall do the following:

- A. Designate a QCP that shall be responsible for the implementation, maintenance and improvement of the BMP's and Tier I SWPPP. The QCP shall be trained and competent in the use of BMP's and shall be on site daily to evaluate the conditions of the site with respect to storm water pollution prevention.

The QCP shall be responsible for monitoring the weather and implementation of any emergency plans that shall be activated when there is a 40% or greater chance of rain. The weather shall be monitored with the National Weather Service at www.nws.noaa.gov on a 5-day forecast plan.

The QCP shall be responsible for overseeing any site grading and construction operations, and for evaluating the effectiveness of the BMP's. The QCP shall ensure the modification of the BMP's as necessary to keep the site in compliance and to ensure adequate, routine maintenance of the BMP's.

- B. Educate all Subcontractors and employees about storm water pollution prevention measures required during construction activities to prevent the impact of construction discharges to the storm water conveyance system. Education requirements shall be in accordance with The Waste Discharge Requirements for Discharge of Urban Runoff from the Municipal Storm Sewer System, General Permit No. CAS000002 and No. CAS0108758. The

Contractor shall ensure that all personnel are trained in basic storm water construction management. A log of the trained staff and the educational materials shall be kept in the Tier I SWPPP file and available upon request by the Resident Engineer.

- C. Protect all new and existing storm water conveyance systems from sedimentation, concrete rinse, or other construction related debris and discharges with the appropriate BMP's that are acceptable to the Resident Engineer and as indicated in the Tier I SWPPP.
- D. Indicate in the Tier I SWPPP the locations of BMP's (i.e., concrete wash out, vehicle maintenance, staging and storage area protection, etc.) to be implemented. The Contractor shall ensure that these areas will be utilized properly and maintained regularly.
- E. Ensure that all waste and debris generated during the period of construction is contained within the storage/staging area. No dust, oil, or contaminated run-off shall be allowed out of the staging/storage area. Perimeter and run-off control measures shall be installed around the staging/storage area. The entrance to the construction staging/storage area shall have stabilized gravel entrances/roadways, metal pans to loosen dirt from tires, or the like, to reduce tracking and create a sediment barrier between the storage/staging area and the roadway.
- F. Inspect and document monthly at a minimum or as directed by the Resident Engineer, all BMP's during the **dry season, May 1 through September 30**. Inspect and document weekly, at a minimum or as directed by the RE, all BMP's during the **rainy season October 1 through April 30**. The Contractor shall include documentation in the SWPPP that BMP's were inspected at the intervals required and shall update and maintain this documentation for the duration of the project. The SWPPP and the updates shall be available to the Resident Engineer upon request.
- G. Conduct visual inspections daily and maintain all BMP's as needed and before, during and after every rain event and every 24 hours at a minimum during any prolonged rain event. The Contractor shall maintain and repair all BMP's as soon as possible as safety allows.
- H. Return the land areas disturbed during construction to the pre-construction, or equivalent protection, at the end of each workday to eliminate or minimize erosion and the possibility for discharge of sediment or other pollutants during a rain event.
- I. If a non-storm water discharge leaves the project site, the Contractor shall immediately stop the activity and repair the damages. The Contractor shall immediately notify the Resident Engineer of the discharge. As soon as practical, any and all waste material, sediment and debris from each non storm water discharge shall be removed from the storm drain conveyance system and properly disposed of by the Contractor at no cost to the City.

All work, materials, labor, costs and time associated with the above requirements as described under this Section 7-8.6.1 shall be included in the project Bid items when no specific Bid item is provided in the Bid schedule.

Add: 7-8.6.2 Performance Standards. The Contractor shall be responsible for implementing all storm water pollution control measures based on performance standards. Performance standards shall include:

- A. Non-storm water discharges from the site shall not occur to the MEP. All storm water discharges shall be free of pollutants including sediment to the MEP.
- B. Erosion shall be controlled by acceptable BMP's. If rills and gullies appear they shall be repaired and additional BMP's installed to prevent a reoccurrence of erosion.
- C. An inactive site must be protected to prevent pollutant discharges. A site or portions of a site, shall be considered inactive when construction activities have ceased for a period of seven (7) or more consecutive calendar days.
- D. Good housekeeping BMP's shall be implemented and maintained at all times during construction. The Contractor is responsible for the clean-up of debris, concrete waste, sweeping, and dust control. Construction debris and waste shall be contained and disposed of properly. Access locations shall be kept clean and swept daily or more often as needed to assure no sediment leaves the construction site. The surrounding public streets shall be kept clean and swept daily and as needed to keep sediment out of the storm drain conveyance system.
- E. The Contractor shall defend, indemnify, protect, and hold harmless the City, its agents, officers, and employees, from and against all claims asserted, or liability established for damages, obligations, penalties, fines, actions (including remedial or enforcement actions of any kind and administrative or judicial proceedings, orders, or judgments), and costs resulting from any violations, failure to implement, maintain, or follow Best Management Practices, and/or losses arising out of or resulting from discharge of storm water containing sediment or other pollutants from the Project to the waters of the City's Storm Water Conveyance System, State or United States in quantities or concentrations exceeding those which would have occurred in the pre-construction condition of the Project and/or the discharge of any other contaminants in storm water that cause or contribute to the excess of a water quality objective for the receiving water as established in the San Diego Municipal Storm Water Permit and Water Quality Control Plan for the San Diego Basin (9). The Contractor's duty to indemnify and hold harmless shall not include any claims or liability arising from the established sole negligence or willful misconduct of the City, its agents, officers or employees.

The CONTRACTOR shall implement BMP's in accordance with the California Storm Water Quality Association (CASQA) handbooks (www.cabmphandbooks.org) and in accordance with the Small Linear Utility Permit for Construction Activities (www.swrcb.ca.gov/stormwtr/linear_const.html#lup). It is the Contractor's responsibility on both active and inactive sites to implement BMP's for all potential pollutant discharges.

Add: 7-8.6.2.1 Dry Season Requirements (May 1 Through September 30):

- A. Perimeter protection BMP's shall be installed and maintained to comply with the performance standards listed in section 7-8.6.2.
- B. Sediment control BMP's shall be installed and maintained to comply with the performance standards listed in section 7-8.6.2.

- C. Sediment tracking control BMP's shall be installed and maintained at site entrances and exits to comply with the performance standards listed in section 7-8.6.2.
- D. Standby BMP materials necessary to protect the site against erosion, to prevent sediment discharge, and to prevent non-storm water discharges shall be stored on site and readily accessible.
- E. The Contractor shall have an approved WTAP and have the ability to install standby BMP's to protect the site to the MEP within 24 hours of prediction of a storm event defined as a forecasted 40% or greater chance of rain. The Contractor shall provide proof of this capability that is acceptable to the RE upon request.
- F. The amount of exposed soil allowed at one time shall not exceed that which can be adequately protected by deploying standby erosion control and sediment control BMP's prior to a predicted storm event.

Add: 7-8.6.2.2 Rainy Season Requirements (October 1 Through April 30). In addition to the requirements listed under the Dry Season Requirements, the following shall be required during the rainy season:

- A. Erosion control BMP's shall be adequate to the MEP to provide protection for storm events, during the rainy season.
- B. Perimeter protection and sediment control BMP's shall be adequate to the MEP upgraded as necessary to provide sufficient protection for storms likely to occur during the rainy season.
- C. Physical or vegetation erosion control BMP's shall be installed and established for all completed construction areas prior to the start of the rainy season, and shall comply with the performance standards listed in section 7-8.6.2. These BMP's shall be maintained throughout the rainy season. If a BMP fails, it shall be repaired and improved, or replaced with an acceptable alternate as soon as safety allows.
- D. A disturbed area that is not being actively graded or excavated for seven (7) or more consecutive calendar days must be fully protected from erosion. The weather triggered action plan shall apply to inactive areas.

ADD: 7-8.6.2.7 STORAGE/ STAGING AREAS PROTECTION:

Storage / Staging areas shall be the responsibility of the Contractor. The staging/storage area shall be as close as possible to the project site, secured and screened fenced for the storage of material and equipment during the construction period. The Staging Area shall be located outside the MHPA or other biologically sensitive areas and obtained by the Contractor and submitted to the Engineer and Project Biologist for approval prior to the start of construction. The Contractor is responsible for obtaining any permits, leases, or any other items necessary to obtain staging areas. The contract lump sum price bid for storage/staging area and protection shall include full compensation for all costs associated with locating the site, securing necessary permits, complying with all local regulations. The cost of storage/staging areas shall be included in the various bid items if no specific bid item is provided in the bid schedule.

The Contractor shall be responsible for ensuring that all waste and debris generated during the period of construction is contained within the storage/staging area. No dust, oil, or contaminated run-off shall be allowed out of the staging/storage area. Perimeter and run-off control measures shall be installed around the staging/storage area. The entrance to the construction staging/storage area shall have stabilized gravel entrances/roadways, metal pans to loosen dirt from tires, or the like, to reduce tracking and create a sediment barrier between the storage/staging area and the roadway. The cost for storm water protection and control of storage/staging areas including the perimeter control, tracking, etc., as noted above shall be included in the lump sum bid item. The lump sum price shall cover all storage / staging area regardless of the number of locations.

No trash, oil dumping; storage of hazardous wastes or construction equipment/material; parking, fueling of equipment shall take place in the MHPA or other biologically sensitive areas. Using appropriate catch basins/devices, the contractor shall ensure the fueling of vehicles occurs only within designated staging areas.

Add: 7-8.6.3 Construction BMP's. It is the responsibility of the Contractor to select, install and maintain appropriate BMP's in accordance with these specifications. It is the Contractor's responsibility to ensure that the BMP's are operational and working properly. BMP's shall be installed in accordance with California Storm Water BMP handbooks (www.cabmphandbooks.org) and in accordance with the State General Permit for storm water discharges associated with construction activity from small linear underground/overhead projects (www.waterboards.ca.gov/stormwtr/linear_const.html).

All BMP measures shall be identified in the Tier I SWPPP. A cost breakdown for the lump sum BMP items shall be provided before the notice to proceed is issued. The Contractor shall submit deviations or modifications to Resident Engineer.

Add: 7-8.6.3.1 Erosion Control. The Contractor shall be responsible for selecting and maintaining erosion control BMP's for all construction activities for the duration of the project. Erosion control BMP's shall include the materials and measures to prevent pollutant discharges to the MEP from occurring. All work, materials, labor, costs, and time associated with erosion control BMP's shall be included in the lump sum price for erosion control for the project Bid schedule.

Add: 7-8.6.3.2 Sediment Control. Adequate sediment control is required for all construction activities that may generate pollutants. The Contractor shall be responsible for selecting and maintaining sediment control BMP's for the duration of the project. Sediment control BMP's shall include the materials and measures to prevent pollutant discharges to the MEP from occurring. All work, materials, labor, costs, and time associated with sediment control BMP's shall be included in the lump sum price for sediment control in the project Bid schedule.

Add: 7-8.6.3.3 Storm Drain Inlet Protection. The Contractor shall install and maintain Storm Drain Inlet Protection throughout construction and remove when the project is completed and there is no longer a potential to discharge pollutants.

The Contractor shall be responsible for preventing any flooding associated with storm drain inlet protection. The area around the inlet shall allow water to pond without flooding the traveled way, structures or private property. Any BMP's temporarily removed by the Contractor to alleviate flooding shall be replaced or modified immediately as safety allows.

The storm drain inlet sediment control measures shall not impede the safe flow of traffic. The storm drain inlet sediment control measures shall be of sufficient weight so as not to shift out of place, or shall be secured in place against movement.

Inlet sediment control measures shall be maintained daily or more often as needed. Maintaining inlet sediment control measures shall include but not be limited to replacing damaged BMP's, removing and disposing of accumulated sediment, trash & debris. Waste materials shall be removed and disposed of per 7-8.

Storm drain inlet protection will be measured and paid per number of inlets protected as listed in the unit Bid price.

Add: 7-8.6.3.4 Non-Storm Water And Materials Management BMP's. The TIER I SWPPP shall include pollution control measures and associated locations for equipment maintenance, fueling, concrete washouts, cleaning and storage.

The Contractor shall avoid placing stock piles in any drainage path. The Resident Engineer may approve temporary stockpiling in a drainage path provided that measures are taken to allow unimpeded drainage, and sediment transport is prevented. Regardless of the location of stockpiled materials, containment measures are to be employed to control dust and sediment movement arising from wind, rain, and/or runoff. Controlling measures include, but are not limited to, covering the stockpiled material and the installation of protection around the perimeter of the stockpiled material during rain events and winds.

The lump sum price for Non-Stormwater and Materials Management BMP's shall cover all pollution control measures for equipment maintenance, fueling, cleaning, materials management and storage.

Add: 7-8.6.3.5 Street Sweeping. The CONTRACTOR shall sweep the streets impacted by construction activities daily, and as often as needed, with a motor sweeper in accordance with section 7-8.1. Blowers shall not be used on site. The lump sum price for street sweeping shall cover all street sweeping, equipment, labor, and related activities.

Add: 7-8.6.3.6 Weather Triggered Action Plan. The Contractor shall prepare a written Weather Triggered Action Plan (WTAP) prior to the start of construction. The Contractor shall implement the WTAP within 24 hours of a predicted storm event (a predicted storm event is defined as a forecasted 40% or greater chance of rain). Rain forecasts can be found at www.nws.noaa.gov. The WTAP shall identify the staffing responsible for implementing, monitoring and maintaining the BMP's prior to and during the storm event, and shall identify on site availability of BMP's that will be installed on the exposed portions of the site to minimize erosion and sediment discharges, and prevent non-storm water discharges from leaving the site to

the MEP. The WTAP shall be filed in the SWPPP, WPCP, TIER I, or TIER II document and updated as site conditions change.

The lump sum Bid price for the WTAP shall include all work necessary to prepare the WTAP, and all costs associated with the effective implementation of the WTAP for the duration of the project.

Add: 7-8.6.4 Inlet Markers. The Contractor shall mark every storm drain inlet within the project boundaries with adhesive decal-discs or an imbedded concrete stamp. The Contractor shall use decal-discs on existing inlets and concrete stamps on new inlets. The concrete stamp is available from the Resident Engineer with five days advance notice. On curb inlets the concrete stamp or decal discs shall be placed on the top of curb at the inlet roof. On catch basins the concrete stamp shall be imprinted next to the inlet grate. Any and all costs associated with this work shall be included in the storm drain marker unit Bid price.

Attachment B

Maintenance, Inspection, and Repair of Construction Site BMPs

<i>SWPPP Inspection, Maintenance and Repair Program</i>			
BEST MANAGEMENT PRACTICES (BMPs)	INSPECTION FREQUENCY		MAINTENANCE/REPAIR PROGRAM
	Rainy	Non-Rainy	
TEMPORARY SOIL STABILIZATION BMPs			
Straw Mulch, not applicable	Weekly	Every two weeks	<ul style="list-style-type: none"> ■ construction on paved roads
Hydraulic Mulch, not applicable	Weekly	Every two weeks	<ul style="list-style-type: none"> ■ construction on paved roads
TEMPORARY SEDIMENT CONTROL BMPs			
Fiber Rolls Inlet Protection Stock Pile	Weekly	Every two weeks	<ul style="list-style-type: none"> ■ Holds trench material in area bounded by rolls (fiber rolls) ■ Stop sediment or run off from entering storm drain (inlet protection) ■ Hold back excessive soil or large sediment (stock pile)
Gravel Bags	Weekly	Every two weeks	<ul style="list-style-type: none"> ■ Placed as barriers to hold off sediment or run off (gravel bags)
WIND EROSION CONTROL BMPs			
TRACKING CONTROL BMPs			
NON-STORM WATER MANAGEMENT BMPs			
Stabilization Entrance & Exit	Weekly	Every two weeks	<ul style="list-style-type: none"> ■ ■ ■
WASTE MANAGEMENT AND MATERIALS POLLUTION CONTROL BMPs			
Material Delivery & Storage			<ul style="list-style-type: none"> ■ Contain waste and minimize disturbed area (material delivery and storage) ■ Store materials in watertight containers (material delivery and storage)

Attachment B
Maintenance, Inspection and Repair of Construction Site BMPs

SWPPP Inspection, Maintenance and Repair Program			
BEST MANAGEMENT PRACTICES (BMPs)	INSPECTION FREQUENCY		MAINTENANCE/REPAIR PROGRAM
	Rainy	Non-Rainy	
Concrete Waste Management			<ul style="list-style-type: none"> ■ Prevent run on and clean up spills (concrete waste management) ■ Control site perimeter and internal erosion (concrete waste management)

Site inspections shall be conducted by the Contractor's WPCM or other Caltrans approved 24-hour trained staff at the following minimum frequencies:

- Prior to a forecast storm;
- After a rain event that causes runoff from the construction site;
- At 24-hour intervals during extended rain events;
- Daily inspections within the Lake Tahoe Hydrologic Unit;
- Weekly during the rainy season;
- Every 2 weeks during the non-rainy season; and
- At any other time(s) or intervals of time specified in the Contract Special Provisions.

Completed inspection checklists shall be submitted to the Resident Engineer within 24 hours of inspection. Copies of the completed checklists will be kept with the WPCP. A tracking or follow-up procedure shall follow any inspection that identifies deficiencies in BMPs.

SAMPLE

Attachment C

Stormwater Quality Construction Site Inspection Checklist

GENERAL INFORMATION				
Project Name	South Mission Valley Trunk Sewer Accelerated Project			
Caltrans Contract No.				
Contractor				
Inspector's Name				
Inspector's Title				
Signature				
Date of Inspection				
Inspection Type (Check Applicable)	<input type="checkbox"/> Prior to forecast rain			<input type="checkbox"/> After a rain event
	<input type="checkbox"/> 24-hr intervals during extended rain			<input type="checkbox"/> Other _____
Season (Check Applicable)	<input type="checkbox"/> Rainy		<input type="checkbox"/> Non-Rainy	
Storm Data	Storm Start Date & Time:		Storm Duration (hrs):	
	Time elapsed since last storm (Circle Applicable Units)	Min. Hr. Days	Approximate Rainfall Amount (mm)	

PROJECT AREA SUMMARY AND DISTURBED SOIL AREA (DSA) SIZE LIMITS FROM SPECIAL PROVISIONS			
Total Project Area	_____ Hectares	_____ Acres	
Rainy Season DSA Limit	_____ Hectares	_____ Acres	
Field Estimate of Non-Active DSAs	_____ Hectares	_____ Acres	
Field Estimate of Active DSAs	_____ Hectares	_____ Acres	



OTHER REQUIREMENTS				
Requirement	Yes	No	N/A	Corrective Action
Preservation of Existing Vegetation				
Is temporary fencing provided to preserve vegetation in areas where no construction activity is planned?				
Location:				
Location:				
Location:				
Location:				
Temporary Soil Stabilization				
Does the applied temporary soil stabilization provide 100% coverage for the required areas?				
Are any non-vegetated areas that may require temporary soil stabilization?				
Is the area where temporary soil stabilization required free from visible erosion?				
Location:				
Location:				
Location:				
Location:				
Temporary Linear Sediment Barriers				
Are temporary linear sediment barriers properly installed in accordance with the details, functional and maintained?				
Are temporary linear sediment barriers free of accumulated litter?				
Is the built-up sediment less than 1/3 the height of the barrier?				
Are cross barriers installed where necessary and properly spaced?				
Are fiber rolls installed and maintained on required slopes in accordance with the details, functional and maintained?				
Location:				
Location:				
Location:				
Location:				
Location:				
Storm Drain Inlet Protection				
Are storm drain inlets internal to the project properly protected with either Type 1, 2 or 3 inlet protection?				
Are storm drain inlet protection devices in working order and being properly maintained?				
Location:				
Location:				
Location:				
Location:				
Location:				



OTHER REQUIREMENTS				
Requirement	Yes	No	N/A	Corrective Action
Desilting Basins				
Are basins maintained to provide the required retention/detention?				
Are basin controls (inlets, outlets, diversions, weirs, spillways, and racks) in working order?				
Location:				
Location:				
Location:				
Location:				
Stockpiles				
Are all locations of temporary stockpiles, including soil, hazardous waste, and construction materials in approved areas?				
Are stockpiles protected from run-on, run-off from adjacent areas and from winds?				
Are stockpiles located at least 50 ft from concentrated flows, downstream drainage courses and storm drain inlets?				
Are required covers and/or perimeter controls in place?				
Location:				
Location:				
Location:				
Location:				
Concentrated Flows				
Are concentrated flow paths free of visible erosion?				
Location:				
Location:				
Location:				
Location:				
Tracking Control				
Are points of ingress/egress to public/private roads inspected, swept, and vacuumed daily?				
Are all paved areas free of visible sediment tracking or other particulate matter?				
Is rock at Temporary Construction Entrance(s) 12-inches or more in thickness?				
Does sediment need to be removed from the rock, or does the rock need to be replaced?				
For Type 2 Construction Entrance, does sediment need to be removed from ribbed plates?				
Location:				
Location:				
Location:				
Location:				
Wind Erosion Control				



Attachment C
 Stormwater Quality Construction Site Inspection Checklist

OTHER REQUIREMENTS				
Requirement	Yes	No	N/A	Corrective Action
Is dust control implemented in conformance with Section 10 of the Standard Specifications?				
Location:				
Location:				
Location:				
Location:				
Dewatering Operations				
Is dewatering handled in conformance with the dewatering permit issued by the RWQCB?				
Is required treatment provided for dewatering effluent?				
Location:				
Location:				
Location:				
Location:				
Vehicle & Equipment Fueling, Cleaning, and Maintenance				
Are vehicle and equipment fueling, cleaning and maintenance areas reasonably clean and free of spills, leaks, or any other deleterious material?				
Are vehicle and equipment fueling, cleaning and maintenance activities performed on an impermeable surface in dedicated areas?				
If no, are drip pans used?				
Are dedicated fueling, cleaning, and maintenance areas located at least 15 m away from downstream drainage facilities and watercourses, and protected from run-on and runoff?				
Is wash water contained for infiltration/ evaporation and disposed of outside the highway right of way?				
Is on-site cleaning limited to washing with water (no soap, soaps substitutes, solvents, or steam)?				
On each day of use, are vehicles and equipment inspected for leaks and if necessary, repaired?				
Location:				
Location:				
Location:				
Location:				
Waste Management & Materials Pollution Control				
Are material storage areas and washout areas protected from run-on and runoff, and located at least 50 ft from concentrated flows and downstream drainage facilities?				
Are all material handling and storage areas clean; organized; free of spills, leaks, or any other deleterious material; and stocked with appropriate clean-up supplies?				
Are liquid materials, hazardous materials, and hazardous wastes stored in temporary containment facilities?				
Are bagged and boxed materials stored on pallets?				



OTHER REQUIREMENTS				
Requirement	Yes	No	N/A	Corrective Action
Are hazardous materials and wastes stored in appropriate, labeled containers?				
Are proper storage, clean-up, and spill-reporting procedures for hazardous materials and wastes posted in open, conspicuous and accessible locations adjacent to storage areas?				
Are temporary containment facilities free of spills and rainwater?				
Are temporary containment facilities and bagged/boxed materials covered?				
Are temporary concrete washout facilities designated and being used?				
Are temporary concrete washout facilities functional for receiving and containing concrete waste and are concrete residues prevented from entering the drainage system?				
Do temporary concrete washout facilities provide sufficient volume and freeboard for planned concrete operations?				
Are the temporary concrete washout facilities' PVC liners free from punctures and holes?				
Are concrete wastes, including residues from cutting and grinding, contained and disposed of off-site or in concrete washout facilities?				
Are spills from mobile equipment fueling and maintenance properly contained and cleaned up?				
Is the site free of litter?				
Are trash receptacles provided in the Contractor's yard, field trailer areas, and at locations where workers congregate for lunch and break periods?				
Is litter from work areas within the construction limits of the project site collected and placed in watertight dumpsters?				
Are waste management receptacles free of leaks?				
Are the contents of waste management receptacles properly protected from contact with storm water or from being dislodged by winds?				
Are waste management receptacles filled at or beyond capacity?				
Location:				
Location:				
Location:				
Location:				
Temporary Water Body Crossing or Encroachment				
Are temporary water body crossings and encroachments constructed as shown on the plans or as approved by the engineer?				
Does the project conform to the requirements of the 404 permit and/or 1601 agreement?				
Location:				
Location:				
Location:				
Location:				
Illicit Connection/Illegal Discharge Detection and Reporting				



Attachment C
Stormwater Quality Construction Site Inspection Checklist

OTHER REQUIREMENTS				
Requirement	Yes	No	N/A	Corrective Action
Is there any evidence of illicit discharges or illegal dumping on the project site?				
If yes, has the Engineer been notified?				
Location:				
Location:				
Location:				
Location:				
Discharge Points				
Are discharge points and discharge flows free from noticeable pollutants?				
Are discharge points free of any significant erosion or sediment transport?				
Location:				
Location:				
Location:				
Location:				
WPCP/SWPPP Update				
Do the WPCP/SWPPP, Project Schedule/Water Pollution Control Schedule and WPCDs adequately reflect the current site conditions and contractor operations?				
Are all BMPs shown on the WPCDs installed in the proper location(s) and according to the details for the plan?				
Location:				
Location:				
Location:				
Location:				
General				
Are there any other potential water pollution control concerns at the site?				
Location:				
Location:				
Location:				
Location:				
Storm Water Monitoring				
Does storm water discharge directly to a water body listed as impaired for sediment/sedimentation or turbidity in the General Construction Activity Permit?				
If yes, were samples for sediment/sedimentation or turbidity collected pursuant to the sampling and analysis plan, if required, during rain events?				



OTHER REQUIREMENTS				
Requirement	Yes	No	N/A	Corrective Action
Were there any BMPs not properly implemented, or breaches, malfunctions, leakages or spills observed, which could result in the discharge of pollutants to surface waters that would not be visually detectable in storm water?				
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan during rain events?				
Were soil amendments (e.g., gypsum) used on the project?				
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan during rain events?				
Did storm water contact stored materials or waste and resulted in a discharge from the construction site? (Materials not in watertight containers, etc.)				
If yes, were samples for non-visually detectable pollutants collected pursuant to the sampling and analysis plan during rain events?				



PROJECT NAME AND SITE ADDRESS	CONTRACT NUMBER/CO/RTE/PM
	PROJECT IDENTIFIER NUMBER

STORMWATER TRAINING RECORD CONTINUED

Include the following when the WPC Manager does not develop the SWPPP.

Qualifier SWPPP Developer(QSD)			
NAME	COMPANY		PHONE
TITLE			PHONE 24/7
Training Course Title	Training Objective	Date Training Completed	Course Length (Hours)

Include the following when a Qualified SWPPP Practitioner will be assisting the WPC manager with SWPPP/WPCP implementation.

Qualifier SWPPP Practitioner(QSP)			
NAME	COMPANY		PHONE
TITLE			PHONE 24/7
Training Course Title	Training Objective	Date Training Completed	Course Length (Hours)

SWPPP/WPCP ATTACHMENT D

PROJECT NAME AND SITE ADDRESS	CONTRACT NUMBER/CO/RTE/PM
	PROJECT IDENTIFIER NUMBER

STORMWATER TRAINING RECORD CONTINUED

Include the following training record information when a stormwater inspector will be assisting the WPC manager.

Stormwater Inspector			
NAME	COMPANY		PHONE
TITLE			PHONE 24/7
Training Course Title	Training Objective	Date Training Completed	Course Length (Hours)

Include the following when's contractor employees will be responsible for stormwater discharge sampling testing.

Primary Stormwater Discharge Sampler and Tester			
NAME	COMPANY		PHONE
TITLE			PHONE 24/7
Training Course Title	Training Objective	Date Training Completed	Course Length (Hours)

Alternate Stormwater Discharge Sampler and Tester			
NAME	COMPANY		PHONE
TITLE			PHONE 24/7
Training Course Title	Training Objective	Date Training Completed	Course Length (Hours)

PROJECT NAME AND SITE ADDRESS	CONTRACT NUMBER/CO/RTE/PM
	PROJECT IDENTIFIER NUMBER

STORMWATER TRAINING RECORD CONTINUED

Include the following when contractor employees will be responsible for BMP installation, maintenance and repair.

Employees Responsible for BMP Installation, Maintenance and Repair			
EMPLOYEE NAME			
Training Course Title	Training Objective	Date Training Completed	Course Length (Hours)
EMPLOYEE NAME			
Training Course Title	Training Objective	Date Training Completed	Course Length (Hours)
EMPLOYEE NAME			
Training Course Title	Training Objective	Date Training Completed	Course Length (Hours)
EMPLOYEE NAME			
Training Course Title	Training Course Title	Training Course Title	Training Course Title

SWPPP/WPCP ATTACHMENT D

PROJECT NAME AND SITE ADDRESS	CONTRACT NUMBER/CO/RTE/PM	
	PROJECT IDENTIFIER NUMBER	
CONTRACTOR NAME AND ADDRESS	PROJECT WATER POLLUTION CONTROL	SWPPP PROJECT SITE RISK LEVEL
	<input type="checkbox"/> WPCP <input type="checkbox"/> SWPPP	<input type="checkbox"/> Risk Level 1 <input type="checkbox"/> Risk Level 2 <input type="checkbox"/> Risk Level 3
Submitted by Contractor (Print Name and Sign)		Date

CONTRACTOR PERSONNEL STORMWATER TRAINING RECORD

Project Manager			
NAME	TITLE		PHONE
Training Course Title	Training Objective	Date Training Completed	Course Length (Hours)

Water Pollution Control Manager			
NAME	COMPANY		PHONE
TITLE			PHONE 24/7
Training Course Title	Training Objective	Date Training Completed	Course Length (Hours)

SWPPP/WPCP ATTACHMENT D

PROJECT NAME AND SITE ADDRESS	CONTRACT NUMBER/CO/RTE/PM	
	PROJECT IDENTIFIER NUMBER	
CONTRACTOR NAME AND ADDRESS	PROJECT WATER POLLUTION CONTROL	SWPPP PROJECT SITE RISK LEVEL
	<input type="checkbox"/> WPCP <input type="checkbox"/> SWPPP	<input type="checkbox"/> Risk Level 1 <input type="checkbox"/> Risk Level 2 <input type="checkbox"/> Risk Level 3
SUBCONTRACTOR NAME AND ADDRESS		
Subcontractor (Print Name and Sign)		Date
Submitted by Contractor (Print Name and Sign)		Date

SUBCONTRACTOR PERSONNEL STORMWATER TRAINING RECORD

Subcontractor Superintendent/Foreman			
NAME	TITLE		PHONE
Training Course Title	Training Objective	Date Training Completed	Course Length (Hours)

SUBCONTRACTOR EMPLOYEES STORMWATER TRAINING RECORD

Employee Name	Title of Training Course	Date Training Completed	Course Length (Hours)

SWPPP/WPCP ATTACHMENT D

PROJECT NAME AND SITE ADDRESS	CONTRACT NUMBER/CO/RTE/PM
	PROJECT IDENTIFIER NUMBER

STORMWATER TRAINING RECORD CONTINUED

Include the following when subcontractor employees will be responsible for BMP installation, maintenance and repair.

Employees Responsible for BMP Installation, Maintenance and Repair			
EMPLOYEE NAME			
Training Course Title	Training Objective	Date Training Completed	Course Length (Hours)
EMPLOYEE NAME			
Training Course Title	Training Objective	Date Training Completed	Course Length (Hours)
EMPLOYEE NAME			
Training Course Title	Training Objective	Date Training Completed	Course Length (Hours)
EMPLOYEE NAME			
Training Course Title	Training Course Title	Training Course Title	Training Course Title

Appendix A

CEM-2008 SWPPP/WPCP Amendment Certification of
Acceptance

SWPPP/WPCP AMENDMENT CERTIFICATION AND ACCEPTANCE

CEM-2008 (REV 11/2013)

PROJECT INFORMATION NAME AND SITE ADDRESS	CONTRACT NUMBER/CO/RTE/PM
	PROJECT IDENTIFIER NUMBER
	WDID NUMBER
CONTRACTOR NAME AND ADDRESS	PROJECT SITE RISK LEVEL
	<input type="checkbox"/> Risk Level 1 <input type="checkbox"/> N/A. WPCP <input type="checkbox"/> Risk Level 2 <input type="checkbox"/> N/A. Project resides in the Lake Tahoe Hydrologic Unit and is regulated under Order No. R6T-2011-0019, NPDES No. CAG616002. <input type="checkbox"/> Risk Level 3

**Storm Water Pollution Prevention Plan (SWPPP)/Water Pollution Control Program (WPCP)
Amendment Number _____**

CONTRACTOR WATER POLLUTION CONTROL MANAGER SIGNATURE	DATE
CONTRACTOR WATER POLLUTION CONTROL MANAGER NAME	PHONE NUMBER

Contractor Certification of SWPPP or WPCP Amendment

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or persons directly responsible for gathering the information, the information submitted, to the best of my knowledge and belief, is true, accurate, and complete. I am aware that significant penalties exist for submitting false information, including the possibility of fine and imprisonment for knowing violations.

CONTRACTOR SIGNATURE	DATE
CONTRACTOR NAME	PHONE NUMBER
TITLE	

Resident Engineer Acceptance of SWPPP or WPCP Amendment

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those directly responsible for gathering the information, the information submitted, to the best of my knowledge and belief, is true, accurate, and complete. I am aware that significant penalties exist for submitting false information, including the possibility of fine and imprisonment for knowing violations.

RESIDENT ENGINEER SIGNATURE	DATE OF AMENDMENT ACCEPTANCE
RESIDENT ENGINEER NAME	PHONE NUMBER

SWPPP/WPCP AMENDMENT CERTIFICATION AND ACCEPTANCE

CEM-2008 (REV 11/2013)

PROJECT INFORMATION NAME AND SITE ADDRESS	CONTRACT NUMBER/CO/RTE/PM
	PROJECT IDENTIFIER NUMBER
	WDID NUMBER

Required for Private Entity Administered Projects

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those directly responsible for gathering the information, the information submitted, to the best of my knowledge and belief is true, accurate, and complete. I am aware that significant penalties exist for submitting false information, including the possibility of fine and imprisonment for knowing violations.

LEGALLY RESPONSIBLE PERSON SIGNATURE	DATE
LEGALLY RESPONSIBLE PERSON NAME	PHONE NUMBER
TITLE	

Required for Local Agency/Private Entity Administered Project

Caltrans Oversight Engineer's Concurrence With SWPPP/WPCP Amendment

I and personnel acting under my direction and supervision have reviewed this SWPPP/ WPCP and find that it meets the requirements set forth in the contract Special Provisions, Caltrans *Standard Specifications*, and the Caltrans SWPPP/WPCP Preparation Manual.

OVERSIGHT ENGINEER SIGNATURE	DATE OF AMENDMENT CONCURRENCE
OVERSIGHT ENGINEER NAME	PHONE NUMBER

SWPPP/WPCP AMENDMENT CERTIFICATION AND ACCEPTANCE

CEM-2008 (REV 11/2013)

Instructions

General Information

- The information on CEM-2008 is required for projects with either a Stormwater Pollution Prevention Plan (SWPPP) or a Water Pollution Control Program (WPCP) to document amendment acceptance and certification.
- SWPPP amendments must be certified by the approved signatory as identified in CEM-2006 or 2006T, "Legally Responsible Person Authorization of Approved Signatory," signed by the legally responsible person (LRP).
 1. For Caltrans, the LRP is the district director. The LRP may authorize the project resident engineer to be approved signatory.
 2. For a local agency, the LRP is either a principal executive officer or a ranking elected official. The local agency LRP may authorize the project resident engineer to be approved signatory.
 3. For a private entity performing work in the state right-of-way under an encroachment permit, the LRP must be one of the following:
 - a. For a corporation, a responsible corporate officer.
 - b. For a partnership or sole proprietorship, a general partner or the proprietor, respectively.The private entity LRP may not authorize an approved signatory.
 4. Attach a completed copy of CEM-2008 to each SWPPP or WPCP amendment, and include it in the SWPPP Attachment DD or the WPCP Attachment C.

Form

Contract Number/Co/Rte/PM

For local agency encroachment permit projects, write the encroachment permit number in the Contract Number field.

Project Identifier Number

Caltrans projects starting July 1, 2010, will have a Project Identifier Number. For projects without one, write "N/A" in the field.

WDID Number

For projects that have a Water Pollution Control Program enter "WPCP" in this field.

Appendix B

CEM-2009 SWPPP/WPCP Amendments Log

SWPPP/WPCP AMENDMENTS LOG

CEM-2009 (REV 11/2013)

Instructions

General Information

- Projects with either a Stormwater Pollution Prevention Plan (SWPPP) or Water Pollution Control Program (WPCP) require the information on this form to track amendments.
- Attach a completed copy of the form to each accepted SWPPP/WPCP amendment, and include in SWPPP Attachment DD or WPCP Attachment C.

Form

Contract Number/Co/Rte/PM

For local agency encroachment permit projects, write the encroachment permit number in the Contract Number field.

Project Identifier Number

Caltrans projects starting July 1, 2010, will have a project identifier number. For projects without one, write "N/A" in the field.

WDID Number

For projects with WPCP enter "WPCP" in this field.

When the resident engineer has accepted SWPPP or WPCP amendments, enter:

1. The amendment number.
2. The date the Water Pollution Control Manager signed form CEM-2008.
3. A brief description of the amendment.
4. The name and title of person who requested the amendment.
5. The date the resident engineer accepted form CEM-2008.

Appendix C

CEM-2023 Stormwater Training Record

STORMWATER TRAINING RECORD

CEM-2023 (REV 11/2013)

Instructions

General Information

- Projects with either a Stormwater Pollution Prevention Plan (SWPPP) or Water Pollution Control Program (WPCP) require the information on this form to document stormwater training for contractor and subcontractor managers, supervisors, and employees. Include the form and required training documentation in the stormwater annual report for SWPPP projects.
- Use this form to document training for employees responsible for activities associated with Construction General Permit compliance and contract specifications. Use this form to document required weekly stormwater training.
- Provide this training record and an updated copy of CEM-2024 (CEM-2024 is an optional form used at the WPCM's discretion) "Stormwater Training Log," to the resident engineer (RE) within five days of the date of training.
- Attach additional copies of page 2 of this form if necessary to record all individuals attending this training.
- Stormwater training needs to be completed at the frequency stipulated in the project specifications and/or the SWPPP, whichever is more frequent.
- Names may be written or typed. Initials must be original. Originals are filed with RE as stipulated above.
- Attach copy of training material/topic with submittal to RE.

Form

- **Contract Number/Co/Rte/PM**
For local agency encroachment permit projects write the encroachment permit number in the Contract Number field.
- **Project Identifier Number**
Caltrans projects starting July 1, 2010, will have a Project Identifier Number (PIN). For projects without a PIN, write N/A in the field.
- **WDID Number**
For projects with Water Pollution Control Program, enter "WPCP."
- **Attendee Roster**
Enter employee name, contractor or subcontractor company name and employee phone number.
- **Training Audience**
Enter one of the following responses:

General—Training for individuals responsible for activities associated with compliance with the Construction General Permit.

BMPs—Training for individuals responsible for BMP installation, inspection, maintenance, and repair.

SWPPP—Training for individuals responsible for overseeing, revising, and amending the SWPPP.

Appendix D

CEM-2024 Stormwater Training Log

PROJECT INFORMATION NAME AND SITE ADDRESS	CONTRACT NUMBER/CO/RTE/PM <hr/> PROJECT IDENTIFIER NUMBER <hr/> WDID NUMBER <hr/>
CONTRACTOR NAME AND ADDRESS	PROJECT SITE RISK LEVEL <input type="checkbox"/> Risk Level 1 <input type="checkbox"/> N/A, WPCP <input type="checkbox"/> Risk Level 2 <input type="checkbox"/> N/A. Project resides in the Lake Tahoe Hydrologic Unit and is regulated under Order No. R6T-2011-0019, NPDES No. CAG616002. <input type="checkbox"/> Risk Level 3
SUBMITTED BY CONTRACTOR (PRINT AND SIGN NAME)	
DATE	

STORMWATER TRAINING LOG

Date of Training	Training Audience	Number of Training Attendees	Stormwater Training Course Title or Topics Covered	Date Training Documentation (CEM-2023) Provided to Resident Engineer
	<input type="checkbox"/> General <input type="checkbox"/> BMPs <input type="checkbox"/> SWPPP			
	<input type="checkbox"/> General <input type="checkbox"/> BMPs <input type="checkbox"/> SWPPP			
	<input type="checkbox"/> General <input type="checkbox"/> BMPs <input type="checkbox"/> SWPPP			
	<input type="checkbox"/> General <input type="checkbox"/> BMPs <input type="checkbox"/> SWPPP			
	<input type="checkbox"/> General <input type="checkbox"/> BMPs <input type="checkbox"/> SWPPP			
	<input type="checkbox"/> General <input type="checkbox"/> BMPs <input type="checkbox"/> SWPPP			
	<input type="checkbox"/> General <input type="checkbox"/> BMPs <input type="checkbox"/> SWPPP			
	<input type="checkbox"/> General <input type="checkbox"/> BMPs <input type="checkbox"/> SWPPP			
	<input type="checkbox"/> General <input type="checkbox"/> BMPs <input type="checkbox"/> SWPPP			

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Instructions

General Information

- For projects with either a Stormwater Pollution Prevention Plan (SWPPP) or a Water Pollution Control Program (WPCP) the information shown on this form may be used to document stormwater training for contractor and subcontractor managers, supervisors, and employees. The stormwater annual report for SWPPP projects will include required training documentation and the information on this form, or in another form used at the discretion of the Water Pollution Control Manager (WPCM).
- If this form is used, provide an updated copy of CEM-2024 with attached training documentation to the resident engineer within five days of training, along with CEM-2023 and a copy of training materials and topic(s) covered.
- This form is optional, and provided as a management tool for the WPCM to assist in compiling and organizing information required of the annual report.

Form

Contract Number/Co/Rte/PM

For local agency encroachment permit projects, write the encroachment permit number in the Contract Number field.

Project Identifier Number

Caltrans projects starting July 1, 2010, will have a Project Identifier Number (PIN). For projects without a PIN, write N/A in the field.

WDID Number

For projects with Water Pollution Control Program enter "WPCP" in this field.

Training Audience

Check one of the following responses:

General—training for individuals responsible for activities associated with compliance with the General Construction Permit.

BMPs—training for individuals responsible for BMP installation, inspection, maintenance, and repair.

SWPPP—training for individuals responsible for overseeing revising and amending the SWPPP.

Appendix E

Weather Forecast Monitoring Log



WEATHER FORECAST LOG

CEM-2040 (NEW 1/2011)

PROJECT INFORMATION NAME AND SITE ADDRESS	CONTRACT NUMBER/CO/RTE/PM
	PROJECT IDENTIFIER NUMBER
	WDID NUMBER
SUBMITTED BY CONTRACTOR (PRINT AND SIGN NAME)	DATE

WEATHER MONITORING LOG
 Week of / / - / /

National Weather Forecast Office <http://www.srh.noaa.gov/forecast> project site forecast based on search using

(Address or Latitude and Longitude)

Forecast Date/Time	24-Hour Forecast	48-Hour Forecast	72-Hour Forecast	96-Hour Forecast
	Date	Date	Date	Date
	Chance of Precipitation %	Chance of Precipitation %	Chance of Precipitation %	Chance of Precipitation %
	Amount of Precipitation Inches	Amount of Precipitation Inches	Amount of Precipitation Inches	Amount of Precipitation Inches
	Chance of Precipitation 50 percent or greater within 48 hours of forecast date? <input type="checkbox"/> Yes <input type="checkbox"/> No	Chance of Precipitation 50 percent or greater within 72 hours of forecast date? <input type="checkbox"/> Yes <input type="checkbox"/> No	Forecasted cumulative amount of precipitation for storm event? _____ inches	Forecasted cumulative amount of precipitation for storm event 1/2 inch or greater? <input type="checkbox"/> Yes <input type="checkbox"/> No
	Date	Date	Date	Date
	Chance of Precipitation %	Chance of Precipitation %	Chance of Precipitation %	Chance of Precipitation %
	Amount of Precipitation Inches	Amount of Precipitation Inches	Amount of Precipitation Inches	Amount of Precipitation Inches
	Chance of Precipitation 50 percent or greater within 48 hours of forecast date? <input type="checkbox"/> Yes <input type="checkbox"/> No	Chance of Precipitation 50 percent or greater within 72 hours of forecast date? <input type="checkbox"/> Yes <input type="checkbox"/> No	Forecasted cumulative amount of precipitation for storm event? _____ inches	Forecasted cumulative amount of precipitation for storm event 1/2 inch or greater? <input type="checkbox"/> Yes <input type="checkbox"/> No
	Date	Date	Date	Date
	Chance of Precipitation %	Chance of Precipitation %	Chance of Precipitation %	Chance of Precipitation %
	Amount of Precipitation Inches	Amount of Precipitation Inches	Amount of Precipitation Inches	Amount of Precipitation Inches
	Chance of Precipitation 50 percent or greater within 48 hours of forecast date? <input type="checkbox"/> Yes <input type="checkbox"/> No	Chance of Precipitation 50 percent or greater within 72 hours of forecast date? <input type="checkbox"/> Yes <input type="checkbox"/> No	Forecasted cumulative amount of precipitation for storm event? _____ inches	Forecasted cumulative amount of precipitation for storm event 1/2 inch or greater? <input type="checkbox"/> Yes <input type="checkbox"/> No
	Date	Date	Date	Date
	Chance of Precipitation %	Chance of Precipitation %	Chance of Precipitation %	Chance of Precipitation %
	Amount of Precipitation Inches	Amount of Precipitation Inches	Amount of Precipitation Inches	Amount of Precipitation Inches
	Chance of Precipitation 50 percent or greater within 48 hours of forecast date? <input type="checkbox"/> Yes <input type="checkbox"/> No	Chance of Precipitation 50 percent or greater within 72 hours of forecast date? <input type="checkbox"/> Yes <input type="checkbox"/> No	Forecasted cumulative amount of precipitation for storm event? _____ inches	Forecasted cumulative amount of precipitation for storm event 1/2 inch or greater? <input type="checkbox"/> Yes <input type="checkbox"/> No

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WEATHER FORECAST LOG

CEM-2040 (NEW 1/2011)

PROJECT INFORMATION NAME AND SITE ADDRESS	CONTRACT NUMBER/CO/RTE/PM
	PROJECT IDENTIFIER NUMBER
	WDID NUMBER

WEATHER MONITORING LOG

Forecast Date/Time	24-Hour Forecast	48-Hour Forecast	72-Hour Forecast	96-Hour Forecast
	Date	Date	Date	Date
	Chance of Precipitation %	Chance of Precipitation %	Chance of Precipitation %	Chance of Precipitation %
	Amount of Precipitation Inches	Amount of Precipitation Inches	Amount of Precipitation Inches	Amount of Precipitation Inches
	Chance of Precipitation 50 percent or greater within 48 hours of forecast date? <input type="checkbox"/> Yes <input type="checkbox"/> No	Chance of Precipitation 50 percent or greater within 72 hours of forecast date? <input type="checkbox"/> Yes <input type="checkbox"/> No	Forecasted cumulative amount of precipitation for storm event? _____ inches	Forecasted cumulative amount of precipitation for storm event 1/2 inch or greater? <input type="checkbox"/> Yes <input type="checkbox"/> No
	Date	Date	Date	Date
	Chance of Precipitation %	Chance of Precipitation %	Chance of Precipitation %	Chance of Precipitation %
	Amount of Precipitation Inches	Amount of Precipitation Inches	Amount of Precipitation Inches	Amount of Precipitation Inches
	Chance of Precipitation 50 percent or greater within 48 hours of forecast date? <input type="checkbox"/> Yes <input type="checkbox"/> No	Chance of Precipitation 50 percent or greater within 72 hours of forecast date? <input type="checkbox"/> Yes <input type="checkbox"/> No	Forecasted cumulative amount of precipitation for storm event? _____ inches	Forecasted cumulative amount of precipitation for storm event 1/2 inch or greater? <input type="checkbox"/> Yes <input type="checkbox"/> No
	Date	Date	Date	Date
	Chance of Precipitation %	Chance of Precipitation %	Chance of Precipitation %	Chance of Precipitation %
	Amount of Precipitation Inches	Amount of Precipitation Inches	Amount of Precipitation Inches	Amount of Precipitation Inches
	Chance of Precipitation 50 percent or greater within 48 hours of forecast date? <input type="checkbox"/> Yes <input type="checkbox"/> No	Chance of Precipitation 50 percent or greater within 72 hours of forecast date? <input type="checkbox"/> Yes <input type="checkbox"/> No	Forecasted cumulative amount of precipitation for storm event? _____ inches	Forecasted cumulative amount of precipitation for storm event 1/2 inch or greater? <input type="checkbox"/> Yes <input type="checkbox"/> No
	Date	Date	Date	Date
	Chance of Precipitation %	Chance of Precipitation %	Chance of Precipitation %	Chance of Precipitation %
	Amount of Precipitation Inches	Amount of Precipitation Inches	Amount of Precipitation Inches	Amount of Precipitation Inches
	Chance of Precipitation 50 percent or greater within 48 hours of forecast date? <input type="checkbox"/> Yes <input type="checkbox"/> No	Chance of Precipitation 50 percent or greater within 72 hours of forecast date? <input type="checkbox"/> Yes <input type="checkbox"/> No	Forecasted cumulative amount of precipitation for storm event? _____ inches	Forecasted cumulative amount of precipitation for storm event 1/2 inch or greater? <input type="checkbox"/> Yes <input type="checkbox"/> No
	Date	Date	Date	Date
	Chance of Precipitation %	Chance of Precipitation %	Chance of Precipitation %	Chance of Precipitation %
	Amount of Precipitation Inches	Amount of Precipitation Inches	Amount of Precipitation Inches	Amount of Precipitation Inches
	Chance of Precipitation 50 percent or greater within 48 hours of forecast date? <input type="checkbox"/> Yes <input type="checkbox"/> No	Chance of Precipitation 50 percent or greater within 72 hours of forecast date? <input type="checkbox"/> Yes <input type="checkbox"/> No	Forecasted cumulative amount of precipitation for storm event? _____ inches	Forecasted cumulative amount of precipitation for storm event 1/2 inch or greater? <input type="checkbox"/> Yes <input type="checkbox"/> No
	Date	Date	Date	Date

WEATHER FORECAST LOG

CEM-2040 (NEW 1/2011)

Page 3 of 3

Instructions**GENERAL INFORMATION**

- The information on this form is required to document weather forecasts for project sites with either a Stormwater Pollution Prevention Plan (SWPPP) or a Water Pollution Control Program (WPCP).
- To obtain accurate weather forecast information for a project site on the National Weather Service Forecast Office website, enter the site's nearest city, state, or ZIP code in the "Search for" box. Click on Forecast Weather Table Interface on the bottom right side of the page and search by address, city, state, or project site latitude or longitude.
- Use this form daily to log the weather forecast information for the project site from the National Weather Service Forecast Office. Record in inches the chance of precipitation in the percentage and forecasted amounts listed.
- Complete the weather forecast log each working day. If the project is a calendar-day project (seven-working-day week), attach an additional copy of page 2 to report all seven days. Submit Weekly Weather Forecast Monitoring logs to the resident engineer within 48 hours of the ending date.

FORM**Contract Number/Co/Rte/PM**

For local agency encroachment permit projects, write the encroachment permit number in the Contract Number field.

Project Identifier Number

Caltrans projects starting July 1, 2010, will have a Project Identifier Number. For projects without a project identifier number write N/A in the field.

WDID Number

For projects with Water Pollution Control Program enter "WPCP."

Enter the project site street address, including city and state or latitude and longitude used to obtain National Weather Service forecast.

Weekly Reporting Period

Enter the first and last working day for the reporting period.

Enter weather forecast information from the Forecast Weather Table Interface of the National Weather Service Forecast Office webpage. Record forecasted chance of precipitation and precipitation amounts for each six-hour period for the next 24 hours, 48 hours, 72 hours, and 96 hours. For each day you do a forecast, do not include forecast information for the forecast date.

From the forecast information recorded, determine if the chance for precipitation is 50 percent or greater within 48 hours of the forecast date, and check the appropriate box.

From the forecast information recorded, determine if the chance for precipitation is 50 percent or greater within 72 hours of the forecast date, and check the appropriate box.

Using the forecasted amounts of precipitation for each six-hour period, add the amounts to determine the cumulative amount of precipitation for a storm event, and record the amount on the form. You may need to use information within the 96-hour forecast to determine storm event forecasted cumulative amount of precipitation. Determine if the forecasted cumulative amount of precipitation for the storm event is ½ inch or greater, and check the appropriate box.

WPCP/SPPPP IMPLEMENTATION REQUIREMENTS BASED ON WEATHER FORECAST

- For WPCP projects with the chance for precipitation 50 percent or greater within 48 hours of the forecast date, the water pollution control manager must implement appropriate water pollution control practices.
- For SWPPP projects with the chance for precipitation 50 percent or greater within or 72 hours of the forecast date, the water pollution control manager must implement appropriate water pollution control practices and prepare a Rain Event Action Plan for Risk Level 2 and Risk Level 3 projects.
- For WPCP projects with the forecasted cumulative amount of precipitation for the storm event ½ inch or greater, the water pollution control manager must perform a pre-storm stormwater site inspection within 48 before the storm event.
- For SWPPP projects with the forecasted cumulative amount of precipitation for the storm event ½ inch or greater, the water pollution control manager must perform a visual site-monitoring pre-storm, daily-during-storm, and post-storm inspection. For Risk Level 2 and Risk Level 3, qualifying storm events require daily stormwater discharge sampling and analysis.

Appendix F

CEM-2034 Stormwater Best Management Practices Status Report

MONTHLY STORMWATER BEST MANAGEMENT PRACTICES & MATERIALS INVENTORY REPORT - OPTIONAL

CEM-2034 (NEW 12/2013)

PROJECT INFORMATION NAME AND SITE ADDRESS	CONTRACT NUMBER/CO/RTE/PM
	PROJECT IDENTIFIER NUMBER
	WDID NUMBER
CONTRACTOR NAME AND ADDRESS	PROJECT SITE RISK LEVEL
	<input type="checkbox"/> Risk Level 1 <input type="checkbox"/> N/A. WPCP <input type="checkbox"/> Risk Level 2 <input type="checkbox"/> N/A. Project resides in the Lake Tahoe Hydrologic Unit and is regulated under Order No. R8T-2011-0019, NPDES No. CAG616002 <input type="checkbox"/> Risk Level 3
Water Pollution Control Manager (print name and sign)	Date
Submitted by contractor (print name and sign)	Date

Provide a monthly list of stored best management practices and materials on site.

Construction Phase <input type="checkbox"/> Highway construction <input type="checkbox"/> Plant establishment <input type="checkbox"/> Suspension of work (Inactive site)	Site Information _____ Total project area (acres) _____ Total project disturbed soil area (acres) _____ Current phase disturbed soil area (acres) _____ Current phase inactive disturbed soil (acres)
---	--

Stormwater Best Management Practices and Materials on Site

1	Location where stored: _____	BMP ID	Quantity on hand	Unit	Estimated quantity needed if rain event predicted, spill occurs or BMP fails
	BMP Name				

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MONTHLY STORMWATER BEST MANAGEMENT PRACTICES & MATERIALS INVENTORY REPORT - OPTIONAL

CEM-2034 (NEW 12/2013)

Page 4 of 4

Instructions

General Information

- The Water Pollution Control Manager must oversee preparation of this form and submit a copy to the resident engineer every month.
- Attach additional copies of page 2 and page 3 of this form to include all required locations.
- Insert consecutive numbers for each location when using page 2 or page 3 of this form

BMP Name	BMP ID	BMP Name	BMP ID
Temporary Soil Stabilization		Non-Stormwater Management	
Preservation of existing vegetation	SS-02	Water conservation practices	NS-01
Hydraulic mulch	SS-03	Dewatering operations	NS-02
Hydroseeding	SS-04	Paving and grinding operations	NS-03
Soil binders	SS-05	Temporary stream crossing	NS-04
Straw mulch	SS-06	Clear water diversion	NS-05
Geotextiles, mats, plastic covers, and lined ditches	SS-07	Illegal connection or discharge detection and reporting	NS-06
Wood mulching	SS-08	Potable water and Irrigation	NS-07
Earth dikes, drainage swales and lined ditches	SS-09	Vehicle and equipment cleaning	NS-08
Outlet protection and velocity dissipation devices	SS-10	Vehicle and equipment fueling	NS-09
Slope drains	SS-11	Vehicle and equipment maintenance	NS-10
Streambank stabilization	SS-12	Pile-driving operations	NS-11
Temporary Sediment Control		Concrete curing	NS-12
Silt fence	SC-01	Material and equipment use over water	NS-13
Sediment or distilling basin	SC-02	Concrete finishing	NS-14
Sediment trap	SC-03	Structure demolition or removal over or adjacent to water	NS-15
Checkdams	SC-04	Waste Management and Pollution Control	
Fiber rolls	SC-05	Material delivery and storage	WM-01
Gravel bag berm	SC-06	Material use	WM-02
Sandbag barrier	SC-08	Stockpile management	WM-03
Straw bale barrier	SC-09	Spill prevention and control	WM-04
Storm drain inlet protection	SC-10	Solid waste management	WM-05
Wind Erosion Control		Hazardous waste management	WM-06
Wind erosion control	WE-01	Contaminated soil management	WM-07
Tracking Controls		Concrete waste management	WM-08
Stabilized construction entrance and exit	TC-01	Sanitary or septic waste management	WM-09
Stabilized construction roadway	TC-02	Liquid waste management	WM-10
Entrance and exit tire wash	TC-03		
Street sweeping	TC-04		

ADA Notice

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Appendix G

CEM-2030 Stormwater Site Inspection Report

PROJECT INFORMATION NAME AND SITE ADDRESS	CONTRACT NUMBER/CO/RTE/PM
	PROJECT IDENTIFIER NUMBER
	WDID NUMBER
CONTRACTOR NAME AND ADDRESS	PROJECT SITE RISK LEVEL <input type="checkbox"/> Risk Level 1 <input type="checkbox"/> N/A. WPCP <input type="checkbox"/> Risk Level 2 <input type="checkbox"/> N/A. Project resides in The Lake Tahoe Hydrologic Unit and is regulated under Order No. R6T-2011-019, NPDES No. CAG616002 <input type="checkbox"/> Risk Level 3
Submitted by contractor (print and sign name) _____ Date _____	
Water Pollution Control Manager name and company name	Phone number _____ Emergency (24/7) phone number _____

General Information

Inspector's Name _____	Accompanied by Caltrans staff? <input type="checkbox"/> YES <input type="checkbox"/> NO If Yes, Name/Initials: _____	Date of Inspection _____
Weather Condition <input type="checkbox"/> Clear <input type="checkbox"/> Partly cloudy <input type="checkbox"/> Cloudy	Precipitation Condition <input type="checkbox"/> None <input type="checkbox"/> Heavy rain <input type="checkbox"/> Misty <input type="checkbox"/> Hail <input type="checkbox"/> Light rain <input type="checkbox"/> Snow <input type="checkbox"/> Rain	Wind Condition <input type="checkbox"/> None <input type="checkbox"/> Less than 5 mph <input type="checkbox"/> Greater than 5 mph
Construction Phase <input type="checkbox"/> Highway construction <input type="checkbox"/> Plant establishment <input type="checkbox"/> Suspension of work (inactive site)	Site Information Total project area: _____ acres Total project disturbed soil area: _____ acres Current phase disturbed soil area: _____ acres Current phase inactive disturbed soil: _____ acres	

Inspection Type <i>Check appropriate box(es)</i>	Storm Information	
<input type="checkbox"/> Weekly	Time elapsed since last storm _____ days	Precipitation amount from last storm _____ inches
<input type="checkbox"/> Quarterly non-stormwater		
<input type="checkbox"/> Pre-storm	Time storm is expected _____ (time) _____ (date)	Expected precipitation amount _____ inches
<input type="checkbox"/> During storm event	Time elapsed since storm began _____ hours-minutes	Precipitation amount from storm recorded from site rain gauge _____ inches
<input type="checkbox"/> Post storm	Time elapsed since storm _____ hours-minutes	Precipitation amount from storm recorded from site rain gauge _____ inches

Date	Daily Site Inspection of Best Management Practices (BMP) List Daily Inspections for previous calendar week. Do not include weekly inspection.	Daily inspection performed by	Any corrective actions identified as completed or new?		If yes, were the actions added or verified on CEM-2035, as appropriate?		Date shown on corrective action form
			YES	NO	YES	NO	
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
			<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	

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PROJECT INFORMATION NAME AND SITE ADDRESS	CONTRACT NUMBER/CO/RTE/PM
	PROJECT IDENTIFIER NUMBER
	WDID NUMBER

Site Inspection of Best Management Practices
*If this form will be completed by hand in the field, click on "Show Entire Form" button at the top of page one to expand the sections, then print the form to take to the field.
 If the inspection form does not contain enough lines for all locations, use the "Add Item" button so that all BMP locations are inspected and reported.*

Preservation of Existing Vegetation <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Right location?		Properly installed?		Maintenance or repair necessary?		Photos?	Comments and Required Actions
	Yes	No	Yes	No	Yes	No	Yes	
Location 1								
Location 2								
Location 3								

Disturbed Soil Area (DSA) Management <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No List all potential DSAs by location	Has area been disturbed? If no, stop here.		Date DSA first disturbed?	Is the DSA inactive and listed as a location on both temporary soil stabilization and temporary linear sediment barriers? If yes, stop here.		Is there a storm event forecasted? If yes, stop here and take action.		Are there construction activities currently in progress within the DSA? If yes, stop here.		If no to previous question, what is the last day construction activities were in progress?	How many days has the DSA been active? If more than 14 days, take action.
	Yes	No	Date	Yes	No	Yes	No	Yes	No	Date	Days
Location 1											
Location 2											

- Notes:
- If it has been 14 days since a DSA has had active construction activities, the DSA is inactive and must be reported as a location on temporary soil stabilization and temporary linear sediment barriers.
 - DSAs must have erosion control and have temporary linear sediment barriers installed prior to a storm event.

Location Number	Comments / Corrective Actions	Action No.
1		
2		

Temporary Soil Stabilization <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Inactive areas covered?		100% coverage of required areas?		Stabilized areas free from visible erosion?		Photos?	Comments and Required Actions	Action No.
	Yes	No	Yes	No	Yes	No	Yes		
Location 1									
Location 2									
Location 3									

PROJECT INFORMATION NAME AND SITE ADDRESS	CONTRACT NUMBER/CO/RTE/PM
	PROJECT IDENTIFIER NUMBER
	WDID NUMBER

Site Inspection of Best Management Practices, continued
For project specific BMPs, insert the BMP name and additional inspection requirements below.

Temporary Linear Sediment Barriers <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Right location?		Properly installed or cross barriers installed?		Maintenance performed when 1/3 height or repair needed?		Photos?	Comments and Required Actions	Action No.
	Yes	No	Yes	No	Yes	No	Yes		
Location 1									
Location 2									
Location 3									

Storm Drain Inlet Protection <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	All inlets protected?		Properly installed?		Maintenance or repair needed?		Photos?	Comments and Required Actions	Action No.
	Yes	No	Yes	No	Yes	No	Yes		
Location 1									
Location 2									
Location 3									

Stockpile Management <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Date stockpile created	Is the stockpile listed as a location on stockpile management inactive stockpiles? <i>If yes, stop here.</i>		Is there a storm event forecasted? <i>If yes, stop here and take action.</i>		Is stockpile being actively used? <i>If yes, stop here.</i>		If no to previous question, what is the last day stockpile was actively used?	How long since stockpile actively used?	Has it been 3 days since the stockpile has been actively used? <i>If yes, take action.</i>	
		Yes	No	Yes	No	Yes	No			Date	Days
Location 1											
Location 2											

Notes:

1. If it has been 3 days (72 hours) since a stockpile has been active then the stockpile is inactive and must be reported as a location on stockpile management inactive stockpiles.
2. Stockpiles must be covered and have perimeter control installed prior to a storm event.

Location Number	Comments / Corrective Actions	Photos?	Action No.
		Yes	
1			
2			

PROJECT INFORMATION NAME AND SITE ADDRESS	CONTRACT NUMBER/CO/RTE/PM
	PROJECT IDENTIFIER NUMBER
	WDID NUMBER

Inactive Stockpile Management <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Type of Material or Waste	Is the stockpile properly located?		Is the stockpile covered?		Does the stockpile have a perimeter control?		Does the stockpile need maintenance or repair?	
		Yes	No	Yes	No	Yes	No	Yes	No
Location 1									
Location 2									
Location Number	Comments / Corrective Actions	Photos?		Action No.					
1		Yes	No	Yes	No				
2		Yes	No	Yes	No				

Sediment and Desilting Basins <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Are basin inlets, outlets, and spillways in working order?		Is water contained in basin?		Is maintenance needed to provide required retention or detention?		Photos?	Comments and Required Actions	Action No.
	Yes	No	Yes	No	Yes	No			
Location 1									
Location 2									
Location 3									

Tracking Controls <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Do all entrances and exits have tracking controls?		Is pavement free from visible sediment tracking?		Does sediment need to be removed from rock or ribbed plates?		Is daily sweeping done?		Photos?	Comments and Required Actions	Action No.
	Yes	No	Yes	No	Yes	No	Yes	No			
Location 1											
Location 2											
Location 3											

Wind Erosion Control <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Water trucks on-site?		Visible dust?		Photos?	Comments and Required Actions	Action No.
	Yes	No	Yes	No			
Location 1							
Location 2							
Location 3							

PROJECT INFORMATION NAME AND SITE ADDRESS	CONTRACT NUMBER/CO/RTE/PM
	PROJECT IDENTIFIER NUMBER
	WDID NUMBER

Dewatering Operations <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Dewatering currently active?		Dewatering conforms with RWQCB permit?		Dewatering discharge within discharge specified limitations?		Photos?	Comments and Required Actions	Action No.				
	Yes	No	Yes	No	Yes	No	Yes						
Location 1													
Location 2													
Location 3													
Temporary Stream Crossing <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Constructed as shown on the plan?		Conforms to 404 permit and 1601 agreement requirements?		Maintenance or repair required?		Photos?	Comments and Required Actions	Action No.				
	Yes	No	Yes	No	Yes	No	Yes						
Location 1													
Location 2													
Location 3													
Material Storage <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Located away from drainage courses and water courses?		Areas protected from run on and runoff?		Bagged and boxed materials stored on pallets?		Areas reasonably clean and free of spills, leaks, and other material?		Is material inventory up to date?		Liquid materials in secondary containment?		Photos?
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes
Location 1													
Location 2													
Location 3													
Comments and Required Actions											Action No.		
Location 1													
Location 2													
Location 3													

PROJECT INFORMATION NAME AND SITE ADDRESS	CONTRACT NUMBER/CO/RTE/PM
	PROJECT IDENTIFIER NUMBER
	WDID NUMBER

Waste Management Sanitation Facilities <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Located away from drainage courses and water courses?		Secured to ground or foundation?		Clean and has adequate capacity?		Ground checked for any spills or leaks?		Any spills or leaks found?		Photos?	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	
Location 1												
Location 2												
Location 3												

Location Number	Comments / Corrective Actions	Action No.
1		
2		
3		

Project-specific BMP <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Properly located?		Properly installed?		Maintenance or repair needed?		Photos?	Comments and Required Actions	Action No.
	Yes	No	Yes	No	Yes	No	Yes		
Location 1									
Location 2									
Location 3									

Project-specific BMP <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Properly located?		Properly installed?		Maintenance or repair needed?						Photos?	
	Yes	No	Yes	No	Yes	No	Yes	No	Yes	No	Yes	
Location 1												
Location 2												
Location 3												

Location Number	Comments and Required Actions	Action No.
Location 1		
Location 2		
Location 3		

PROJECT INFORMATION NAME AND SITE ADDRESS	CONTRACT NUMBER/CO/RTE/PM
	PROJECT IDENTIFIER NUMBER
	WDID NUMBER

Site Inspection Report General Comments

Are the BMPs installed as required by the Stormwater Pollution Prevention Plan for the phase of construction?
 Yes No

Does the SWPPP need to be amended?
 Yes No

Does the SWPPP currently reflect the current site conditions and contractor operations?
 Yes No

Is hazardous waste stored on the jobsite?
 Yes No

Are there water pollution control concerns on the project site not addressed by the comments and required actions shown above for BMPs, based on the field review of the jobsite?
 Yes No
If yes, provide details, comments, and required actions below for each location.

Location	Water Pollution Control Concern	Comments and Required Actions	Action No.

PROJECT INFORMATION NAME AND SITE ADDRESS	CONTRACT NUMBER/CO/RTE/PM
	PROJECT IDENTIFIER NUMBER
	WDID NUMBER

Stormwater Inspection Report Certification

I certify under penalty of law that this Stormwater Inspection Report was performed in accordance with the General Permit. The information contained in this inspection report was gathered from a field site inspection. I am aware that Section 309 (c)(4) of the Clean Water Act provides for significant penalties, including fines and imprisonment for knowingly submitting a false material statement, representation, or certification.

Stormwater Inspector (Name)	Date Report Completed
Stormwater Inspector (Signature)	

I certify under penalty of law that this Stormwater Inspection Report was performed in accordance with the General Permit by me or under my direction or supervision. The information contained in this inspection report was gathered and evaluated by qualified personnel prior to submittal. Based on my review of the information and inquiry of those who gathered and evaluated the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete.

I am aware that Section 309 (c)(4) of the Clean Water Act provides for significant penalties, including fines and imprisonment for knowingly submitting a false material statement, representation, or certification.

Water Pollution Control Manager (Name)	Date
Water Pollution Control Manager (Signature)	

Stormwater Inspection Report Acceptance

If hazardous waste is stored on the jobsite, the resident engineer should notify the district hazardous waste coordinator.

Was the District Hazardous Waste Coordinator notified?

- N/A, no hazardous waste stored on the jobsite
- YES, Date _____ Time _____
- NO

Accepted by Resident Engineer (Print Name)	Date
Resident Engineer (Signature)	

Instructions

General Information

- Construction General Permit attachments C, D, and E, Section G.5. require the information on this form.
- If the inspection form does not contain enough lines to report all locations on a jobsite, click on the "Add Item" button so that all locations are inspected and reported.
- Obtain forecasted precipitation information from the National Weather Service Forecast Office website, <http://www.srh.noaa.gov/forecast>.
- Weather information should be the best estimate of the beginning of the storm event, duration of the event, and time elapsed since the last storm.
- Rainfall amounts should be recorded from the project site rain gauge.
- "Daily Site Inspection of Best Management Practices" section is to be filled out by the water pollution control manager.

Storm Visual Inspections

- For non-visible pollutant inspections, report on all locations shown in the Stormwater Pollution Prevention Plan.

Required Actions

- All corrective actions identified in this report must also be recorded on Form CEM-2035, "Stormwater Corrective Actions Summary."
- Locations identified where BMPs are failing or have other shortcomings require implementation of repairs or design changes within 72 hours of identification, and BMP repairs or other changes must be completed as soon as possible.

Appendix H

CEM-2035 Stormwater Site Inspection Report Corrective Actions Summary

STATE OF CALIFORNIA • DEPARTMENT OF TRANSPORTATION
STORMWATER CORRECTIVE ACTIONS SUMMARY

CEM-2035 (REV 11/2013)

PROJECT INFORMATION NAME AND SITE ADDRESS	CONTRACT NUMBER/CO/RTE/PM
	PROJECT IDENTIFIER NUMBER
	WDID NUMBER
CONTRACTOR NAME AND ADDRESS	SWPPP PROJECT SITE RISK LEVEL <input type="checkbox"/> Risk Level 1 <input type="checkbox"/> N/A, WPCP <input type="checkbox"/> Risk Level 2 <input type="checkbox"/> N/A, Project resides in the Lake Tahoe Hydrologic Unit and is regulated under Order No. R6T-2011-0010, NPDES No. CAG616002. <input type="checkbox"/> Risk Level 3
Submitted by contractor (print and sign name)	Date

Implement required actions identified in this Stormwater Corrective Actions Summary as soon as possible, but actions must begin within 72 hours of the site inspection, or be completed before the next predicted rain event, whichever is sooner.

Corrective action number	Verification of Stormwater Site Inspection Corrective Actions	Date Corrective Actions Identified:
	BMP Type	Location
	Required Action	Comments
	Date Completed	Verified by (print name and title) Verified by (signature)
	BMP Type	Location
	Required Action	Comments
	Date Completed	Verified by (print name and title) Verified by (signature)
	BMP Type	Location
	Required Action	Comments
	Date Completed	Verified by (print name and title) Verified by (signature)
	BMP Type	Location
	Required Action	Comments
	Date Completed	Verified by (print name and title) Verified by (signature)
	BMP Type	Location
	Required Action	Comments
	Date Completed	Verified by (print name and title) Verified by (signature)
	BMP Type	Location
	Required Action	Comments
	Date Completed	Verified by (print name and title) Verified by (signature)

STORMWATER CORRECTIVE ACTIONS SUMMARY

OEM-2035 (REV 11/2013)

PROJECT INFORMATION NAME AND SITE ADDRESS	CONTRACT NUMBER/CO/RTE/PM
	PROJECT IDENTIFIER NUMBER
	WDID NUMBER

Stormwater Site Inspection Report Corrective Action Summary Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision according to a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the people who manage the system or are directly responsible for gathering the information, the information submitted is true, accurate, and complete to the best of my knowledge and belief. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment of knowing violations.

Water Pollution Control Manager (name)	Date
Water Pollution Control Manager (signature)	

Stormwater Site Inspection Report Corrective Action Summary Acceptance

Resident Engineer (name)	Date
Resident Engineer (signature)	

Instructions

General Information

- If the summary form does not have enough lines to report all required actions, use additional copies of this form's page 1 to report all required corrective actions from an inspection form.
- On page 1 of this form and additional copies of page 1, insert consecutive numbers for each required corrective action.

Required Actions

- Identified locations—where BMPs are failing or have other shortcomings—require repairs or design changes within 72 hours of identification and complete BMP repairs or other changes as soon as possible, or before the next predicted rain event, whichever is sooner, per the Lake Tahoe Hydrologic Unit Permit.
- Daily inspections required for waste containers (covered at end of shift), tracking, and others per project specifications.

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Appendix I

CEM-2061 Notice of Discharge Report

NOTICE OF DISCHARGE REPORT

CEM-2061 (REV 11/2013)

PROJECT INFORMATION NAME AND SITE ADDRESS	CONTRACT NUMBER/CO/RTE/PM
	PROJECT IDENTIFIER NUMBER
	WDID NUMBER
CONTRACTOR NAME AND ADDRESS	PROJECT SITE RISK LEVEL
	<input type="checkbox"/> Risk Level 1 <input type="checkbox"/> N/A. WPCP <input type="checkbox"/> Risk Level 2 <input type="checkbox"/> N/A. Project resides in the Lake Tahoe Hydrologic Unit and is regulated under Order No. R6T-2011-0019, NPDES No. CAG616002. <input type="checkbox"/> Risk Level 3
Submitted by contractor (print and sign name)	
	Date

Notice of Discharge General Information

Location			Date discharge discovered		
Discharge Identified by stormwater visual site inspection? <input type="checkbox"/> YES <input type="checkbox"/> NO	Discharge discovered by contractor during daily work? <input type="checkbox"/> YES <input type="checkbox"/> NO	Discharge samples taken? <input type="checkbox"/> YES <input type="checkbox"/> NO	Discharge type <input type="checkbox"/> Stormwater <input type="checkbox"/> Authorized non-stormwater <input type="checkbox"/> Non-authorized non-stormwater	Exceedance of applicable water quality standard <input type="checkbox"/> Turbidity <input type="checkbox"/> pH <input type="checkbox"/> _____	
Discharge Identified by Regional Water Quality Control Board? <input type="checkbox"/> YES <input type="checkbox"/> NO	Discharge Identified by State Water Resources Control Board? <input type="checkbox"/> YES <input type="checkbox"/> NO	Date and time water pollution control manager notified of discharge			
		Date and time resident engineer notified of discharge			

Storm Event Information

Complete this section for stormwater discharges

Start of storm event	End of storm event	Duration of storm event	Storm event precipitation amount recorded from site rain gauge	Storm event precipitation amount recorded from governmental rain gauge
_____ <i>Date</i>	_____ <i>Date</i>	_____ <i>Hours : Minutes.</i>	_____ <i>Inches</i>	_____ <i>Inches</i>
_____ <i>Time</i>	_____ <i>Time</i>			

Notice of Discharge Information

The nature and cause of the water quality standard exceedance, based on a visual observation of the discharge location	Photographs <input type="checkbox"/> YES <input type="checkbox"/> NO
BMPs currently installed at the location of the discharge	<input type="checkbox"/> YES <input type="checkbox"/> NO

Additional BMPs that will be implemented to prevent or reduce pollutants causing or contributing to exceedance of a water quality standard

Implementation schedule for additional BMPs

ADA Notice

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NOTICE OF DISCHARGE REPORT

CEM-2061 (REV 11/2013)

PROJECT INFORMATION NAME AND SITE ADDRESS	CONTRACT NUMBER/CO/RTE/PM
	PROJECT IDENTIFIER NUMBER
	WDID NUMBER

Notice of Discharge Information (continued)

Maintenance or repair of BMPs

Implementation schedule for BMPs maintenance or repair

Other required corrective actions

Implementation schedule for corrective actions

Summary of actions taken to reduce the pollutants causing or contributing to the water quality standard exceedance

Sampling and Analysis Results

Required when discharge samples are taken. Attach CEM-2052 or lab results report

- Are discharge samples taken? YES NO
- Is CEM-2052 attached? YES NO N/A
- Is lab results report attached? YES NO RESULTS PENDING
- If applicable, provide lab information: lab name, contract name, date samples sent, attach a copy of chain of custody, etc.

ADA Notice

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NOTICE OF DISCHARGE REPORT

CEM-2061 (REV 11/2013)

PROJECT INFORMATION NAME AND SITE ADDRESS	CONTRACT NUMBER/CO/RTE/PM
	PROJECT IDENTIFIER NUMBER
	WDID NUMBER

Notice of Discharge Report Certification

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

Water Pollution Control Manager (name)	Date
Water Pollution Control Manager (signature)	

For Caltrans Use

Accepted by Resident Engineer (name)	Date
Resident Engineer (signature)	

Discharge reported by telephone or email to the Regional Water Quality Control Board (RWQCB) within 48 hours of discovery? A. Immediately and no later than 24 hours after discovery? <input type="checkbox"/> YES <input type="checkbox"/> NO B. Within 5 working days? <input type="checkbox"/> YES <input type="checkbox"/> NO C. As soon as possible but within 48 hours? <input type="checkbox"/> YES <input type="checkbox"/> NO	Date discharge reported to RWQCB	Resident engineer initials
Notice of Discharge Report submitted to RWQCB within 14 days (3 days for District 7 and District 11)? A. Within 24 hours? <input type="checkbox"/> YES <input type="checkbox"/> NO B. Within 14 days (3 days for District 7 and 11)? <input type="checkbox"/> YES <input type="checkbox"/> NO	Date report submitted to RWQCB	Resident engineer initials
Discharge reported orally to the Lahontan RWQCB within 24 hours of discovery? <input type="checkbox"/> YES <input type="checkbox"/> NO	Date called Lahontan RWQCB	Resident engineer initials
Electronic submittal of NEL exceedance sample results to Lahontan RWQCB and SMARTS within 5 business days? <input type="checkbox"/> YES <input type="checkbox"/> NO	Date report submitted	Resident engineer initials

NOTICE OF DISCHARGE REPORT

CEM-2061 (REV 11/2013)

Page 4 of 4

Instructions**General Information**

- This form is required for compliance with provisions in Section E-2, "Receiving Water Limitations for Construction," of the National Pollutant Discharge Elimination System (NPDES) Permit Statewide Storm Water Permit and Waste Discharge Requirements (WDRs) for the State of California, Department of Transportation (Caltrans), Order No. 99-06-DWQ, NPDES No. CAS000003.
- This form is to be completed when the contractor, Caltrans, State Water Resources Control Board, or Regional Water Quality Control Board staff determines that stormwater discharges, authorized non-stormwater discharges, or non-authorized, non-stormwater discharges are causing or contributing to an exceedance of an applicable water quality standard.
- This form is appropriate when there is evidence of a discharge that occurred outside of business hours where no sampling occurred.
- Water quality standards are contained in the Statewide Water Quality Control Plan or applicable Regional Water Quality Control Boards (RWQCBs) Basin Plan.
- Water quality standards are contained in the Statewide Water Quality Control Plan or applicable Regional Water Quality Control Boards (RWQCBs) Basin Plan.
- Sampling guidance is found in the current edition of the *Construction Site Monitoring Program Guidance Manual*.
- Include a copy of the completed form in the project Storm Water Pollution Prevention Plan (SWPPP) files.

Form

- **Project Identifier Number**
Caltrans projects starting July 1, 2010, will have a project identifier number. For projects without a number, write N/A in the field.
- **Contract Number/Co/Rte/PM**
For encroachment permit projects, write the local agency or private entity encroachment permit number in the contract number field.
- **Storm Event Information**
Leave section blank if box is checked for either authorized or non-authorized non-stormwater discharge.
- **Discharge Information**
Do not leave any subsection blank. Caltrans permit specifically requires Caltrans to submit the information in this section to RWQCBs. For non-stormwater discharges, describe the construction operation or activity that caused the discharge.
- **Sampling and Analysis Results**
Leave this section blank if the no box is checked for discharge samples taken.
- **Analysis Results**
Analytical results less than the method detection limit shall be reported as "Less than the method detection limit."
- **Analysis Information**
Leave section blank if the no box is checked for discharge samples taken.
- **Notice of Discharge Report Certification**
For instruction on reporting timelines, see Section 9.4, Noncompliance Reporting, of Statewide Stormwater Management Plan, May 2003.

ADA Notice

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Appendix J

CEM-2065 Notice of Discharge Log

Instructions

GENERAL INFORMATION

- The information shown on this form is required for projects with either a Stormwater Pollution Prevention Plan (SWPPP) or Water Pollution Control Program (WPCP) to document discharges.
- Use this CEM-2065 to log discharges including Stormwater, authorized non-stormwater, and non-authorized non-stormwater discharges with an exceedance of an Applicable Water Quality Standard
- Log all discharge incidents reported on forms:
 - CEM-2061, Notice of Discharge Report
 - CEM-2062, Numeric Action Level Exceedance Report
 - CEM-2063, Numeric Effluent Limitation Violation Report
- The resident engineer will notify the Regional Water Quality Control Board and record the date notified.

FORM

Contract Number/Co/Rte/PM

For local agency encroachment permit projects write the encroachment permit number in the Contract Number field.

Project Identifier Number

Caltrans projects starting July 1, 2010, will have a Project Identifier Number. For projects without a project identifier number write N/A in the field.

WDID Number

For projects with Water Pollution Control Program enter "WPCP" in this field.

- Enter information about discharge incidents from forms:
 - CEM-2061, Notice of Discharge Report
 - CEM-2062, Numeric Action Level Exceedance Report
 - CEM-2063, Numeric Effluent Limitation Violation Report
 - CEM-2062T, Numeric Action Level Exceedance Report—Lake Tahoe Hydrologic Unit
 - CEM-2063T, Numeric Effluent Limitation Violation Report—Lake Tahoe Hydrologic Unit
- The resident engineer will notify the Regional Water Quality Control Board and record the date notified.

Appendix K

CEM-2070 SWPPP/WPCP Annual Certification of Compliance

SWPPP/WPCP ANNUAL CERTIFICATION OF COMPLIANCE

CEM-2070 (REV 12/2013)

PROJECT INFORMATION NAME AND SITE ADDRESS	CONTRACT NUMBER/CO/RTE/PM
	PROJECT IDENTIFIER NUMBER
	WDID NUMBER
CONTRACTOR NAME AND ADDRESS	SWPPP PROJECT SITE RISK LEVEL <input type="checkbox"/> Risk Level 1 <input type="checkbox"/> N/A. WPCP <input type="checkbox"/> Risk Level 2 <input type="checkbox"/> N/A. Project resides in the Lake Tahoe Hydrologic Unit and is regulated under Order No. R6T-2011-0019, NPDES No. CAG616002. <input type="checkbox"/> Risk Level 3

**Stormwater Pollution Prevention Plan (SWPPP)/Water Pollution Control Program (WPCP)
Annual Certification of Compliance**

Water Pollution Control Manager Certification

This certification for the project site is based on an inspection of the project site conducted on (date) _____

I certify based on my inspection of the project site that:

- Yes No Water pollution control measures are being implemented in accordance with the SWPPP or WPCP approved for the project, including approved SWPPP/WPCP amendments.
- Yes No The project site and activities thereon are in compliance with the Caltrans Statewide NPDES Permit No. CAS000003, the NPDES General Permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities, Order No. 2009-0009-DWQ, NPDES Permit No. CAS000002, or Order No. R6T-2011-0019, NPDES No. CAG-616002, whichever is applicable.

Contractor Water Pollution Control Manager signature	Date
Contractor Water Pollution Control Manager name	Phone number

Contractor Annual Certification of Compliance

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that significant penalties exist for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Contractor signature	Date
Contractor name	Phone number
Title	

SWPPP/WPCP ANNUAL CERTIFICATION OF COMPLIANCE

CEM-2070 (REV 12/2013)

PROJECT INFORMATION NAME AND SITE ADDRESS	CONTRACT NUMBER/CO/RTE/PM
	PROJECT IDENTIFIER NUMBER
	WDID NUMBER

**Required for Private Entity Administered Projects
Private Entity Legally Responsible Person Annual Certification of Compliance**

I certify that the project is in compliance with the project site approved Stormwater Pollution Prevention Plan or Water Pollution Control Program including approved amendments. The project site and activities thereon are in compliance with the Caltrans Statewide NPDES Permit No. CAS000003, the NPDES General Permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities, Order No. 2009-0009-DWQ, NPDES Permit No. CAS000002, or Order No. R6T-2011-0019, NPDES No. CAG-616002, whichever is applicable.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that significant penalties exist for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Legally responsible person signature	Date
Legally responsible person name	Phone number
Title	

SWPPP/WPCP ANNUAL CERTIFICATION OF COMPLIANCE

CEM-2070 (REV 12/2013)

PROJECT INFORMATION NAME AND SITE ADDRESS	CONTRACT NUMBER/CO/RTE/PM
	PROJECT IDENTIFIER NUMBER
	WDID NUMBER

Resident Engineer Approval of Annual Certification of Compliance

An inspection of the project site for annual certification of compliance was conducted on (date) _____	Annual Certification of Compliance project site inspection conducted by _____
--	---

I certify that I, or personnel acting under my direction and supervision, have inspected the project site and find the following:

- Yes No Water pollution control measures are being implemented in accordance with the SWPPP or WPCP approved for the project, including approved SWPPP/WPCP amendments.
- Yes No The project site and activities thereon are in compliance with the Caltrans Statewide NPDES Permit No. CAS000003, the NPDES General Permit for Stormwater Discharges Associated with Construction and Land Disturbance Activities, Order No. 2009-0009-DWQ, NPDES Permit No. CAS000002, or Order No. R6T-2011-0019, NPDES No. CAG-616002, whichever is applicable.

The box above is checked "no" based on the project site annual certification inspection, and the following corrective actions are necessary for the project to be in compliance with SWPPP/WPCP or NPDES Permits

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that significant penalties exist for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Resident engineer signature	Date of approval
Resident engineer name	Phone number

**Required for Local Agency or Private Entity-Administered Project
Caltrans Oversight Engineer's Concurrence With Annual Certification of Compliance**

I, or personnel acting under my direction and supervision, have reviewed this Annual Certification of Compliance and concur that the project is in compliance with SWPPP or WPCP approved for the project, including approved SWPPP/WPCP amendments and applicable NPDES Permits.

Oversight engineer signature	Date of concurrence
Oversight engineer name	Phone number

SWPPP/WPCP ANNUAL CERTIFICATION OF COMPLIANCE

CEM-2070 (REV 12/2013)

Instructions

General Information

- Projects with either a Stormwater Pollution Prevention Plan (SWPPP) or Water Pollution Control Program (WPCP) require an Annual Certification of Compliance by July 15th of each year.
- Document the project site inspection for annual certification on form CEM-2030, "Stormwater Site Inspection Report."
- A legally responsible person (LRP) or a signatory approved by the LRP must certify the Stormwater Pollution Prevention Plan Annual Certification of Compliance.
 - For Caltrans, the LRP is the district director. The LRP may authorize the project resident engineer to be the approved signatory.
 - For a local agency, the LRP is either a principal executive officer or ranking elected official. The local agency's LRP may authorize the project resident engineer to be the approved signatory. If the local agency's LRP has not approved the local agency's resident engineer to be an approved signatory then the local agency's LRP must sign in the resident engineer signature box of the Annual Certification of Compliance.
 - For a private entity performing work in the state right-of-way under an encroachment permit, the LRP must be one of the following:
 - For a corporation—a responsible corporate officer.
 - For a partnership or sole proprietorship—a general partner or the proprietor, respectively.
 - The private entity's LRP may not authorize an approved signatory.
- File a completed copy of this form in SWPPP/WPCP file category 20.70, Annual Certification of Compliance.
- This form is used for Annual Certification as well as replaces form CEM-2001.

Form

Contract Number/Co/Rte/PM

For local agency encroachment permit projects, write the encroachment permit number in the Contract Number field.

Project Identifier Number

Caltrans projects starting July 1, 2010, will have a Project Identifier Number (PIN). For projects without a PIN, write "N/A" in the field.

WDID Number

For projects that have Water Pollution Control Program, enter "WPCP" in this field.

SWPPP Projects Site Risk Level

Check the box for the appropriate SWPPP risk level, or N/A for projects residing in the Lake Tahoe Hydrologic Unit, or N/A for projects that have Water Pollution Control Program.

APPENDIX G

SEWER MAINS AND MANHOLE REHABILITATION SAMPLE DATA TEMPLATES

APPENDIX H
SAMPLE OF PUBLIC NOTICES



PROJECT NAME

PROJECT NAME

The work will consist of:

- *Edit this information:* The construction work will include pot holing in the northbound curb lane of Torrey Pines Road between Coast Walk and Princess Street.

How your neighborhood may be impacted:

- *Edit this information:* Traffic delays due to lane closure.
- Two-way traffic will be maintained at all times.

Anticipated Construction Schedule

- *Edit this information:* The project upgrades for the entire neighborhood have been ongoing and now are scheduled to start on your street.
- The entire neighborhood project started in _____ and is anticipated to be complete in _____.

Hours and Days of Operation

- *Edit this information:* Monday to Friday (7:30 a.m. to 4 p.m.)

The work will consist of:

- *Edit this information:* The construction work will include pot holing in the northbound curb lane of Torrey Pines Road between Coast Walk and Princess Street.

How your neighborhood may be impacted:

- *Edit this information:* Traffic delays due to lane closure.
- Two-way traffic will be maintained at all times.

Anticipated Construction Schedule

- *Edit this information:* The project upgrades for the entire neighborhood have been ongoing and now are scheduled to start on your street.
- The entire neighborhood project started in _____ and is anticipated to be complete in _____.

Hours and Days of Operation

- *Edit this information:* Monday to Friday (7:30 a.m. to 4 p.m.)

For questions related to this work

Call: (619) 533-4207

Email: engineering@sandiego.gov

Visit: sandiego.gov/CIP

For questions related to this work

Call: (619) 533-4207

Email: engineering@sandiego.gov

Visit: sandiego.gov/CIP



This information is available in alternative formats upon request.



This information is available in alternative formats upon request.

ATTACHMENT F
INTENTIONALLY LEFT BLANK

ATTACHMENT G

CONTRACT AGREEMENT

CONTRACT AGREEMENT

CONSTRUCTION CONTRACT

This contract is made and entered into between THE CITY OF SAN DIEGO, a municipal corporation, herein called "City", and Blue Pacific Engineering & Construction, herein called "Contractor" for construction of **South Mission Valley Trunk Sewer Accelerated Project**; Bid No. **L-16-1358-DBB-2**; in the amount of Three Hundred Seventy Eight Thousand Six Hundred Fifty Nine Dollars and 00/100 (\$378,659.00), which is comprised of the Base Bid.

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

1. The following are incorporated into this contract as though fully set forth herein:
 - (a) The attached Faithful Performance and Payment Bonds.
 - (b) The attached Proposal included in the Bid documents by the Contractor.
 - (c) Reference Standards listed in the Instruction to Bidders and the Supplementary Special Provisions (SSP).
 - (d) Phased Funding Schedule Agreement.
 - (e) That certain documents entitled **South Mission Valley Trunk Sewer Accelerated Project**, on file in the office of the Public Works Department as Document No.**B-14068**, as well as all matters referenced therein.
2. The Contractor shall perform and be bound by all the terms and conditions of this contract and in strict conformity therewith shall perform and complete in a good and workmanlike manner **South Mission Valley Trunk Sewer Accelerated Project**, Bid Number **L-16-1358-DBB-2**, San Diego, California.
3. For such performances, the City shall pay to Contractor the amounts set forth at the times and in the manner and with such additions or deductions as are provided for in this contract, and the Contractor shall accept such payment in full satisfaction of all claims incident to such performances.
4. No claim or suit whatsoever shall be made or brought by Contractor against any officer, agent, or employee of the City for or on account of anything done or omitted to be done in connection with this contract, nor shall any such officer, agent, or employee be liable hereunder.
5. This contract is effective as of the date that the Mayor or designee signs the agreement.

CONTRACT AGREEMENT (continued)

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

THE CITY OF SAN DIEGO

APPROVED AS TO FORM

Jan I. Goldsmith, City Attorney

By Michelle Muñoz

By Pedro DeLara, Jr.

Print Name: Michelle Muñoz
Contract Specialist
Public Works Department

Print Name: Pedro DeLara, Jr.
Deputy City Attorney

Date: 9/7/16

Date: 9/12/16

CONTRACTOR

By Shahram Elihu

Print Name: Shahram Elihu

Title: Owner

Date: 6/24/16

City of San Diego License No.: B 2010019612

State Contractor's License No.: 824455

DEPARTMENT OF INDUSTRIAL RELATIONS (DIR) REGISTRATION NUMBER: _____

100000 3217

CERTIFICATIONS AND FORMS

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

Bidder's General Information

To the City of San Diego:

Pursuant to "Notice Inviting Bids", specifications, and requirements on file with the City Clerk, and subject to all provisions of the Charter and Ordinances of the City of San Diego and applicable laws and regulations of the United States and the State of California, the undersigned hereby proposes to furnish to the City of San Diego, complete at the prices stated herein, the items or services hereinafter mentioned. The undersigned further warrants that this bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

The undersigned bidder(s) further warrants that bidder(s) has thoroughly examined and understands the entire Contract Documents (plans and specifications) and the Bidding Documents therefore, and that by submitting said Bidding Documents as its bid proposal, bidder(s) acknowledges and is bound by the entire Contract Documents, including any addenda issued thereto, as such Contract Documents incorporated by reference in the Bidding Documents.

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

State of California

County of San Diego

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

CONTRACTOR CERTIFICATION

DRUG-FREE WORKPLACE

I hereby certify that I am familiar with the requirements of San Diego City Council Policy No. 100-17 regarding Drug-Free Workplace as outlined in the WHITEBOOK, Section 7-13.3, "Drug-Free Workplace", of the project specifications, and that;

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

CONTRACTOR CERTIFICATION

AMERICAN WITH DISABILITIES ACT (ADA) COMPLIANCE CERTIFICATION

I hereby certify that I am familiar with the requirements of San Diego City Council Policy No. 100-4 regarding the American With Disabilities Act (ADA) outlined in the WHITEBOOK, Section 7-13.2, "American With Disabilities Act", of the project specifications, and that;

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

CONTRACTOR CERTIFICATION

CONTRACTOR STANDARDS – PLEDGE OF COMPLIANCE

I declare under penalty of perjury that I am authorized to make this certification on behalf of the company submitting this bid/proposal, that as Contractor, I am familiar with the requirements of City of San Diego Municipal Code § 22.3004 regarding Contractor Standards as outlined in the WHITEBOOK, Section 7-13.4, ("Contractor Standards"), of the project specifications, and that Contractor has complied with those requirements.

I further certify that each of the Contractor's subcontractors whose subcontracts are greater than \$50,000 in value has completed a Pledge of Compliance attesting under penalty of perjury of having complied with City of San Diego Municipal Code § 22.3004.

AFFIDAVIT OF DISPOSAL

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

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

(Name of Project or Task)

as particularly described in said contract and identified as Bid No. _____ ; SAP No. (WBS/IO/CC) _____; and **WHEREAS**, the specification of said contract requires the Contractor to affirm that "all brush, trash, debris, and surplus materials resulting from this project have been disposed of in a legal manner"; and **WHEREAS**, said contract has been completed and all surplus materials disposed of:

NOW, THEREFORE, in consideration of the final payment by the City of San Diego to said Contractor under the terms of said contract, the undersigned Contractor, does hereby affirm that all surplus materials as described in said contract have been disposed of at the following location(s)

and that they have been disposed of according to all applicable laws and regulations.

Dated this _____ DAY OF _____, _____.

Contractor

by

ATTEST:

State of _____ County of _____

On this _____ DAY OF _____, 2____, before the undersigned, a Notary Public in and for said County and State, duly commissioned and sworn, personally appeared _____ known to me to be the _____ Contractor named in the foregoing Release, and whose name is subscribed thereto, and acknowledged to me that said Contractor executed the said Release.

Notary Public in and for said County and State

ELECTRONICALLY SUBMITTED FORMS

THE FOLLOWING FORMS MUST BE SUBMITTED IN PDF FORMAT WITH BID SUBMISSION

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

- A. BID BOND – See Instructions to Bidders, Bidders
Guarantee of Good Faith (Bid Security) for further
instructions**

- B. CONTRACTOR’S CERTIFICATION OF PENDING
ACTIONS**

- C. EQUAL BENEFITS ORDINANCE - CERTIFICATION
OF COMPLIANCE**

**Bids will not be accepted until ALL forms are submitted
as part of the bid submittal**

BID BOND

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

KNOW ALL MEN BY THESE PRESENTS,

That BLUE PACIFIC ENGINEERING & CONSTRUCTION as Principal, and
NORTH AMERICAN SPECIALTY INSURANCE COMPANY as Surety, are

held and firmly bound unto The City of San Diego hereinafter called "OWNER," in the sum of 10% OF THE TOTAL BID AMOUNT for the payment of which sum, well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, and assigns, jointly and severally, firmly by these presents.

WHEREAS, said Principal has submitted a Bid to said OWNER to perform the WORK required under the bidding schedule(s) of the OWNER's Contract Documents entitled

SOUTH MISSION VALLEY TRUNK SEWER ACCELERATED PROJECT

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

SIGNED AND SEALED, this 3RD day of JUNE, 2016

BLUE PACIFIC ENGINEERING & CONSTRUCTION (SEAL)

NORTH AMERICAN SPECIALTY INSURANCE COMPANY (SEAL)

(Principal)
By: [Signature]
(Signature)

(Surety)
By: [Signature]
(Signature)
MARK D. IATAROLA, ATTORNEY-IN-FACT

(SEAL AND NOTARIAL ACKNOWLEDGEMENT OF SURETY)

CONTRACTOR'S CERTIFICATION OF PENDING ACTIONS

As part of its bid or proposal (Non-Price Proposal in the case of Design-Build contracts), the Bidder shall provide to the City a list of all instances within the past 10 years where a complaint was filed or pending against the Bidder in a legal or administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers, and a description of the status or resolution of that complaint, including any remedial action taken.

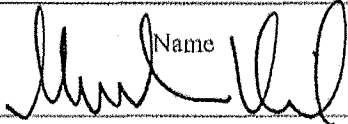
CHECK ONE BOX ONLY.

- The undersigned certifies that within the past 10 years the Bidder has NOT been the subject of a complaint or pending action in a legal administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers.
- The undersigned certifies that within the past 10 years the Bidder has been the subject of a complaint or pending action in a legal administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers. A description of the status or resolution of that complaint, including any remedial action taken and the applicable dates is as follows:

DATE OF CLAIM	LOCATION	DESCRIPTION OF CLAIM	LITIGATION (Y/N)	STATUS	RESOLUTION/REMEDIAL ACTION TAKEN

Contractor Name: Blue Pacific Engineering & Construction

Certified By Shahram Elihu Title Owner


 Name

Date 06/07/2016

Signature

USE ADDITIONAL FORMS AS NECESSARY

**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

COMPANY INFORMATION	
Company Name: Blue Pacific Engineering & Construction	Contact Name: Shahram Ellhu, Owner
Company Address: 7330 Opportunity Road, Suite J, San Diego, CA 92111-2221	Contact Phone: 858-956-1456
	Contact Email: selihu@bluepacificeng.com

CONTRACT INFORMATION	
Contract Title: South Mission Valley Trunk Sewer Accelerated Project	Start Date: TBD
Contract Number (if no number, state location): L-16-1358-DBB-2	End Date: TBD

SUMMARY OF EQUAL BENEFITS ORDINANCE REQUIREMENTS

The Equal Benefits Ordinance [EBO] requires the City to enter into contracts only with contractors who certify they will provide and maintain equal benefits as defined in SDMC §22.4302 for the duration of the contract. To comply:

- Contractor shall offer equal benefits to employees with spouses and employees with domestic partners.
 - Benefits include health, dental, vision insurance; pension/401(k) plans; bereavement, family, parental leave; discounts, child care; travel/relocation expenses; employee assistance programs; credit union membership; or any other benefit.
 - Any benefit not offer an employee with a spouse, is not required to be offered to an employee with a domestic partner.
- Contractor shall post notice of firm's equal benefits policy in the workplace and notify employees at time of hire and during open enrollment periods.
- Contractor shall allow City access to records, when requested, to confirm compliance with EBO requirements.
- Contractor shall submit *EBO Certification of Compliance*, signed under penalty of perjury, prior to award of contract.

NOTE: This summary is provided for convenience. Full text of the EBO and Rules Implementing the EBO are available at www.sandiego.gov/administration.

CONTRACTOR EQUAL BENEFITS ORDINANCE CERTIFICATION

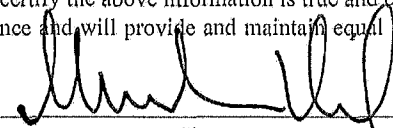
Please indicate your firm's compliance status with the EBO. The City may request supporting documentation.

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.

Shahram Ellhu, Owner _____  _____ **06/07/2016**

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)

Bid Results for Project South Mission Valley Trunk Sewer Accelerated Project (L-16-1358-DBB-2)
 Issued on 05/05/2016
 Bid Due on June 7, 2016 1:30 PM (Pacific)
 Exported on 06/07/2016

VendorID	Company Name	Address	City	ZipCode	Contact	Phone	Fax	Email	Vendor Type
332023	Blue Pacific Engineering & Construction	7330 Opportunity Road, Suite J San Diego, CA, 92111	San Diego	92111	Shahram Elihu	858-956-1456	619-291-0482	selthu@bluepacificeng.com	CAU,MALE,ELBE,PQUAL,CADIR,Local

Responsee	Responsee Title	Responsee Phone	Responsee Email
Shahram Elihu	Owner	858-956-1465	richard@bluepacificeng.com

Bid Format	Submitted Date	Delivery Method	Responsive	Status	Confirmation #	Ranking
Electronic	June 7, 2016 12:02:29 PM (Pacific)			Submitted	81780	0

Attachments		
File Title	File Name	File Type
BP pending	pending.pdf	General Attachments
BP equal	equal.pdf	General Attachments
BP bidbond	bidbond.pdf	Bid Bond

Line Items							
Item Num	Section	Item Code	Description	Unit of Measure	Quantity	Unit Price	Line Total
1	Main Bid	524126	Bonds (Payment and Performance)	LS	1	\$9,000.00	\$9,000.00
2	Main Bid	237310	CalTrans Encroachment Permit - Type I	AL	1	\$5,000.00	\$5,000.00
3	Main Bid	238990	Video Recording of Existing Conditions	LS	1	\$3,000.00	\$3,000.00
4	Main Bid	237310	Traffic Control	LS	1	\$30,000.00	\$30,000.00
5	Main Bid	237110	Mobilization	LS	1	\$15,000.00	\$15,000.00
6	Main Bid		Field Orders - Type II	AL	1	\$15,500.00	\$15,500.00
7	Main Bid	238910	Clearing & Grubbing	LS	1	\$10,000.00	\$10,000.00
8	Main Bid	237310	Additional Pavement Removal & Disposal	CY	2	\$300.00	\$600.00
9	Main Bid	237310	Asphalt Pavement Repair	TON	1	\$1,000.00	\$1,000.00
10	Main Bid	237310	Pavement Restoration Adjacent to Trench	SF	52	\$40.00	\$2,080.00
11	Main Bid	237110	Trench Shoring	LS	1	\$5,000.00	\$5,000.00
12	Main Bid	237110	Additional Bedding	CY	3	\$100.00	\$300.00
13	Main Bid	237310	Temporary Resurfacing	TON	2	\$300.00	\$600.00
14	Main Bid	237110	Imported Backfill	TON	10	\$50.00	\$500.00
15	Main Bid	237110	21-Inch VCP Sewer Main	LF	49	\$350.00	\$17,150.00
16	Main Bid	237110	Manholes (5 x 3), PVC Lined	EA	1	\$25,000.00	\$25,000.00
17	Main Bid	237110	Video Inspecting Pipelines and Culverts for Acceptance	LF	1614	\$3.00	\$4,842.00
18	Main Bid	237110	Cleaning and Video Inspecting Pipelines and Culverts	LF	1614	\$3.00	\$4,842.00
19	Main Bid	238210	Relocate Street Light Pole	EA	1	\$3,000.00	\$3,000.00
20	Main Bid	238210	Relocate Electrical Pull Box	EA	1	\$1,000.00	\$1,000.00
21	Main Bid	237110	Rehabilitate 21-Inch Sewer Main	LF	1001	\$90.00	\$90,090.00
22	Main Bid	237110	Rehabilitate 24-Inch Sewer Main	LF	613	\$135.00	\$82,755.00
23	Main Bid	237110	Rehabilitate Existing Manhole	EA	4	\$5,100.00	\$20,400.00
24	Main Bid	237110	Service lateral Connection	EA	2	\$5,000.00	\$10,000.00
25	Main Bid	541330	Water Pollution Control Program Development	LS	1	\$2,000.00	\$2,000.00
26	Main Bid	237990	Water Pollution Control Program Implementation	LS	1	\$5,000.00	\$5,000.00
27	Main Bid	237110	Sewage Bypass and Pumping Plan (Diversion Plan)	LS	1	\$15,000.00	\$15,000.00
						Subtotal	\$378,659.00
						Total	\$378,659.00

Subcontractors							
Name	Description	License Num	Amount	Type	Address	City	ZipCode
Oldcastle Precast, Inc.	Manholes	891107	\$10,800.00		PO BOX 310039	FONTANA	92331
Sancon Engineering, Inc.	Rehabilitate Existing Manhole	731797	\$16,260.00	PQUAL	5841 Engineer Drive	Huntington Beach	92649
Southwest Pipeline and Trenchless Corp.	Rehabilitate Sewer Mains and Service Lateral Connection	773862	\$146,501.00	PQUAL,CADIR	22118 S. Vermont Avenue	Torrance	90502

Self-Performance
54.16%