

# City of San Diego

CONTRACTOR'S NAME: \_\_\_\_\_  
ADDRESS: \_\_\_\_\_  
TELEPHONE NO.: \_\_\_\_\_ FAX NO.: \_\_\_\_\_  
CITY CONTACT: Clementina Giordano - Contract Specialist, Email: [CGiordano@sandiego.gov](mailto:CGiordano@sandiego.gov)  
Phone No. (619) 533-3481, Fax No. (619) 533-3633  
MRamirez/BDoringo/ls

## CONTRACT DOCUMENTS

## FOR



## SKYLINE TEMPORARY FIRE STATION

VOLUME 1 OF 2

BID NO.: \_\_\_\_\_ L-15-6374-DBB-2  
SAP NO. (WBS/IO/CC): \_\_\_\_\_ S-00687  
CLIENT DEPARTMENT: \_\_\_\_\_ 1912  
COUNCIL DISTRICT: \_\_\_\_\_ 4  
PROJECT TYPE: \_\_\_\_\_ BC

**THIS CONTRACT IS SUBJECT TO THE FOLLOWING:**

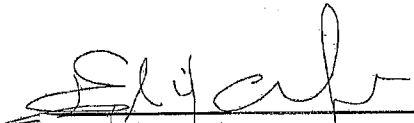
- THE CITY'S SUBCONTRACTING PARTICIPATION REQUIREMENTS FOR SLBE PROGRAM.
- COMPETITION RESTRICTED TO: SLBE-ELBE  or ELBE FIRMS ONLY .
- PREVAILING WAGE RATES: STATE  FEDERAL
- APPRENTICESHIP.

**BID DUE DATE:**

**1:30 PM  
JANUARY 15, 2015  
CITY OF SAN DIEGO  
PUBLIC WORKS CONTRACTS  
1010 SECOND AVENUE, 14<sup>th</sup> FLOOR, MS 614C  
SAN DIEGO, CA 92101**

# ENGINEER OF WORK

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

  
For City Engineer

12/22/14  
Date

Seal:



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# CITY OF SAN DIEGO, CALIFORNIA

## NOTICE INVITING BIDS

1. **LIMITED COMPETITION:** This contract may only be bid by the Contractors on the City's approved SLBE-ELBE Construction Contractors List in accordance with the designation stated on the cover page hereof. For information regarding the SLBE-ELBE Construction Program and registration visit the City's web site: <http://www.sandiego.gov>.
2. **RECEIPT AND OPENING OF BIDS:** Bids will be received at the Public Works Contracts at the location, time, and date shown on the cover of these specifications for performing work on **Skyline Temporary Fire Station** (Project).
3. **SUMMARY OF WORK:** The Work involves furnishing all labor, materials, equipment, services, and other incidental works and appurtenances for the construction of the Project as described in ATTACHMENT A.
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. **SUBCONTRACTING PARTICIPATION PERCENTAGES:**
  - 5.1. The City has incorporated voluntary subcontractor participation percentage to enhance competition and maximize subcontracting opportunities as follows.
  - 5.2. 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 15.3 %.**
  - 5.3. For additional Equal Opportunity Contracting Program requirements, see Attachment C.

**6. PRE-BID MEETING:**

- 6.1.** There will be a Pre-Bid Meeting to discuss the scope of the Project, bidding requirements, pre-qualification process, and Equal Opportunity Contracting Program requirements and reporting procedures in the Public Works Contracts, Conference Room at 1010 Second Avenue, 14<sup>th</sup> Floor, San Diego, CA 92101 at **10:00 A.M.**, on **JANUARY 6<sup>th</sup>, 2015**.
- 6.2.** All potential bidders are **encouraged** to attend.
- 6.3.** To request a copy of the agenda on an alternative format, or to request a sign language or oral interpreter for this meeting, call the Public Works Contracts at (619) 533-3450 at least 5 Working Days prior to the Pre-Bid Meeting to ensure availability.

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

- 7.1.** **Prior** to the Award of the Contract or each Task Order, you and your Subcontractors and Suppliers must register with the City's web-based vendor registration and bid management system, BidsOnline<sup>TM</sup> hosted by PlanetBids System. For additional information go to:

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

- 7.2.** 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.

- 8. PRE-BID SITE VISIT:** The prospective Bidders are encouraged to visit the Work Site with the Engineer. The purpose of the Site visit is to acquaint Bidders with the Site conditions. To request a sign language or oral interpreter for this visit, call the Public Works Contracts at (619) 533-3450 at least 5 Working Days prior to the meeting to ensure availability. A Pre-Bid Site Visit is offered when the details are provided as follows:

**Time: 11:00 AM**  
**Date: January 6, 2015**  
**Location: 7180 Skyline Dr., San Diego, CA 92114**

- 9. 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.

- 10. 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.

- 10.1. 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.
- 10.2.** 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.
- 10.3.** 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.
- 10.4. 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.
- 10.5. 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.
- 10.6. 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 shall be held responsible for the compliance of their subcontractors with sections 1777.5, 1777.6 and 1777.7.

- 10.7. Working Hours.** Contractor and 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.
- 10.8. 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, 1775, 1776, 1777.5, 1810, 1813, 1815, 1860 and 1861.
- 10.9. 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.”
- 10.10. Labor Compliance Program.** The City has its own Labor Compliance Program as authorized 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.
- 11. BIDDERS MUST REGISTER WITH THE CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS (DIR):** Pursuant to Labor Code section 1725.5 (with limited exceptions under Labor Code section 1771.1(a)):
- 11.1.** No contractor or subcontractor may be listed on a bid proposal for a public works project submitted on or after March 1, 2015 unless registered with the Department of Industrial Relations.
- 11.2.** No contractor or subcontractor may be awarded a contract for public work on a public works project awarded on or after April 1, 2015 unless registered with the Department of Industrial
- 11.3.** This project is subject to compliance monitoring and enforcement by the Department of Industrial Relations.
- 12. INSURANCE REQUIREMENTS:**
- 12.1.** 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.
- 12.2.** 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.

**13. PREQUALIFICATION OF CONTRACTORS:**

**13.1.** Contractors submitting Bid must be pre-qualified for the total amount proposed, inclusive of 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 will be deemed **non-responsive** and ineligible for award. Complete information and prequalification questionnaires are available at:

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

**13.2.** The completed questionnaire, financial statement, and bond letter or a copy of the contractor’s SLBE-ELBE certification and bond letter, must be submitted no later than 2 weeks prior to the bid opening to the Public Works Contracts, Prequalification Program, 1010 Second Avenue, 14<sup>th</sup> Floor, San Diego, CA 92101. For additional information or the answer to questions about the prequalification program, contact David Stucky at 619-533-3474 or [dstucky@sandiego.gov](mailto:dstucky@sandiego.gov).

**14. 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: <a href="http://www.sandiego.gov/publicworks/edocref/index.shtml">http://www.sandiego.gov/publicworks/edocref/index.shtml</a>	

**15. CITY'S RESPONSES AND ADDENDA:** The City at its option, may respond to any or all questions submitted in writing, via letter, or FAX in the form of an addendum. No oral comment 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 on the form provided for this purpose in the Bid.



- 16. 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.
- 17. CONTRACT PRICING FORMAT:** This solicitation is for a Lump Sum contract with Unit Price provisions as set forth in the Bid Proposal Form(s), Volume 2.
- 18. SUBMITTAL OF "OR EQUAL" ITEMS:** See Section 4-1.6, "Trade Names or Equals" in The WHITEBOOK and as amended in the SSP.
- 19. AWARD PROCESS:**
- 19.1.** The Award of this contract is contingent upon the Contractor's compliance with all conditions precedent to Award.
- 19.2.** 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.
- 19.3.** This contract will be deemed executed, and effective, only upon the signing of the Contract by the Mayor or designee of the City.
- 20. 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.
- 21. 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.
- 22. SUBMISSION OF QUESTIONS:**
- 22.1.** 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, 14<sup>th</sup> Floor  
San Diego, California, 92101  
Attention: [Contract Specialist listed on the front cover hereof]  
OR:  
  
Email address of the Contract Specialist listed on the front cover hereof.

- 22.2. Questions received less than 14 days prior to the date for opening of Bids may not be considered.
- 22.3. Clarifications deemed by the City to be material shall be issued by Addenda and uploaded to the City's online bidding service.
- 22.4. Only questions answered by formal written addenda will be binding. Oral and other interpretations or clarifications will be without legal effect. It is the Bidder's responsibility to become informed of any Addenda that have been issued and to include all such information in its Bid.
23. **ELIGIBLE BIDDERS:** 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.
24. **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 with the Notice Inviting Bids and Contract forms.
25. **PROPOSAL FORMS:** Bid shall be made only upon the Bidding Documents i.e., Proposal form attached to and forming a part of the specifications. The signature of each person signing shall be in longhand.
- 25.1. Bidder shall complete and submit all pages in the "Bidding Document" Section (see Volume 2) as their Bid per the schedule given under "Required Documents Schedule," (see Volume 1). Bidder is requested to retain for their reference other portions of the Contract Documents that are not required to be submitted with the Bid. The entire specifications for the bid package do not need to be submitted with the bid.
- 25.2. The City may require any Bidder to furnish a statement of experience, financial responsibility, technical ability, equipment, and references.
- 25.3. Bids and certain other forms and documents as specified in the Volume 2 of 2 of the Contract Documents shall be enclosed in a sealed envelope and shall bear the title of the work and name of the Bidder and the appropriate State Contractors License designation which the Bidder holds.
- 25.4. Bids may be withdrawn by the Bidder prior to, but not after, the time fixed for opening of Bids.

**26. BIDDER'S GUARANTEE OF GOOD FAITH (BID SECURITY):**

- 26.1.** With the exception of the contracts valued \$5,000 or less, JOC and Design-Build contracts, and contracts subject to the Small and Local Business Program of \$250,000 or less e.g., ELBE contracts, each Bidder shall accompany its Bid with either a cashier's check upon some responsible bank, or a check upon such bank properly certified or an approved corporate surety bond payable to the City of San Diego, for an amount of not less than 10% of the aggregate sum of the Bid, which check or bond, and the monies represented thereby shall be held by the City as a guarantee that the Bidder, if awarded the contract, will in good faith enter into such contract and furnish the required final bonds.
- 26.2.** The Bidder agrees that in case of Bidder's refusal or failure to execute this contract and give required final bonds, the money represented by a cashier's or certified check shall remain the property of the City, and if the Bidder shall fail to execute this contract, the Surety agrees that it will pay to the City damages which the City may suffer by reason of such failure, not exceeding the sum of 10% of the amount of the Bid.
- 26.3.** A Bid received without the specified bid security will be rejected as being **non-responsive**.

**27. AWARD OF CONTRACT OR REJECTION OF BIDS:**

- 27.1.** This contract may be awarded to the lowest responsible and reliable Bidder.
- 27.2.** Bidders shall complete the entire Bid schedule (also referred to as "schedule of prices" or Proposal form). Incomplete price schedules will be rejected as being non-responsive.
- 27.3.** The City reserves the right to reject any or all Bids, and to waive any informality or technicality in Bids received and any requirements of these specifications as to bidding procedure.
- 27.4.** Bidders will not be released on account of their errors of judgment. Bidders may be released only upon receipt by the City from the Bidder within 3 Working Days, excluding Saturdays, Sundays, and state holidays, after the opening of Bids, of written notice which includes proof of honest, credible, clerical error of material nature, free from fraud or fraudulent intent, and of evidence that reasonable care was observed in the preparation of the Bid.
- 27.5.** A non-selected Bidder may protest award of the Contract to the selected Bidder by submitting a written "Notice of Intent to Protest" including supporting documentation which shall be received by Public Works Contracts no later than 10 days after the City's announcement of the selected Bidder or no later than 10 days from the date that the City issues notice of designation of a Bidder as non-responsive in accordance with San Diego Municipal Code Chapter 2, § 22.3029, "Protests of Contract Award."

- 27.6. The City of San Diego will not discriminate with regard to race, religious creed, color, national origin, ancestry, physical handicap, marital status, sex or age, in the award of contracts.
- 27.7. Each Bid package properly executed as required by these specifications shall constitute a firm offer, which may be accepted by the City within the time specified in the Proposal.
- 27.8. The City reserves the right to evaluate all Bids and determine the lowest Bidder on the basis of any proposed alternates, additive items or options, at its discretion that will be disclosed in the Volume 2 of 2.

**28. BID RESULTS:**

- 28.1. The Bid opening by the City 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 public announcement will be posted in the City's web page <http://www.sandiego.gov/cip/index.shtml>, with the name of the newly designated Apparent Low Bidder.
- 28.2. To obtain Bid results, either attend Bid opening, review the results on the City's web site, or provide a self-addressed, stamped envelope, referencing Bid number, and Bid tabulation will be mailed to you upon verification of extensions. Bid results cannot be given over the telephone.

**29. THE CONTRACT:**

- 29.1. 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.
- 29.2. 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.
- 29.3. 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.
- 29.4. 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.

- 29.5.** 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. 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.
- 30. 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.
- 31. CITY STANDARD PROVISIONS:** This contract is subject to the following standard provisions. See The WHITEBOOK for details.
- 31.1.** The City of San Diego Resolution No. R-277952 adopted on May 20, 1991 for a Drug-Free Workplace.
- 31.2.** The City of San Diego Resolution No. R-282153 adopted on June 14, 1993 related to the Americans with Disabilities Act.
- 31.3.** The City of San Diego Municipal Code §22.3004 for Pledge of Compliance.
- 31.4.** The City of San Diego’s Labor Compliance Program and the State of California Labor Code §§1771.5(b) and 1776.
- 31.5.** 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.
- 31.6.** The City’s Equal Benefits Ordinance (EBO), Chapter 2, Article 2, Division 43 of The San Diego Municipal Code (SDMC).
- 31.7.** The City’s Information Security Policy (ISP) as defined in the City’s Administrative Regulation 90.63.
- 32. PRE-AWARD ACTIVITIES:**
- 32.1.** The selected contractor by the City to execute a contract for this Work shall provide the information required within the time specified in “Required Documents,” of this bid package. Failure to provide the information within the time specified may result in the Bid being rejected as **non-responsive**.
- 32.2.** If the Bid is rejected as non-responsive, the selected contractor by the City to execute a contract for this Work shall forfeit the required Bid. The decision that the selected contractor by the City to execute a contract for this Work is non-responsive for failure to provide the information required within the time specified shall be at the sole discretion of the City.

**33. REQUIRED DOCUMENT SCHEDULE:**

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

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

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

ITEM	WHEN DUE	FROM	DOCUMENT TO BE SUBMITTED
1.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Bid
2.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Bid Bond
3.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Non-collusion Affidavit to be Executed By Bidder and Submitted with Bid under 23 USC 112 and PCC 7106
4.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Contractors Certification of Pending Actions
5.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Equal Benefits Ordinance Certification of Compliance
6.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Form AA35 - List of Subcontractors
7.	BID SUBMITTAL DATE/TIME	ALL BIDDERS	Form AA40 - Named Equipment/Material Supplier List
8.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Names of the principal individual owners of the Apparent Low Bidder
9.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	If the Contractor is a Joint Venture: <ul style="list-style-type: none"> <li>• Joint Venture Agreement</li> <li>• Joint Venture License</li> </ul>
10.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Form BB05 - Work Force Report
11.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Contract Forms - Agreement

<b>ITEM</b>	<b>WHEN DUE</b>	<b>FROM</b>	<b>DOCUMENT TO BE SUBMITTED</b>
12.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Contract Forms - Payment and Performance Bond
13.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Certificates of Insurance and Endorsements
14.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Contractor Certification - Drug-Free Workplace
15.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Contractor Certification - American with Disabilities Act
16.	WITHIN 10 WORKING DAYS AFTER RECEIPT BY BIDDER OF CONTRACT FORMS	APPARENT LOW BIDDER	Contractors Standards - Pledge of Compliance

**CONTRACT FORMS  
AGREEMENT**



## CONTRACT FORMS

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### CONSTRUCTION CONTRACT

This contract is made and entered into between THE CITY OF SAN DIEGO, a municipal corporation, herein called "City", and Montgomery Construction, herein called "Contractor" for construction of Skyline Temporary Fire Station; Bid No. **L-15-6374-DBB-2**, in the amount of **Three Hundred Sixty-One Thousand Nine Hundred Seventy Dollars and .22/100 (\$361,970.22)**, which is comprised of the Base Bid only.

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 Notice Inviting Bids and the Supplementary Special Provisions (SSP).
  - (d) That certain documents entitled **Skyline Temporary Fire Station**, on file in the office of the Public Works Department as Document No. **S-00687**, 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 **Skyline Temporary Fire Station**, Bid Number **L-15-6374-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 FORMS (continued)**

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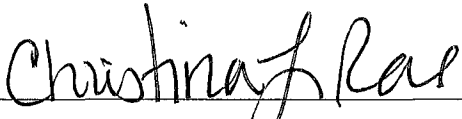
IN WITNESS WHEREOF, this Agreement is signed by the City of San Diego, acting by and through its Mayor or designee, pursuant to **Municipal Code 22.3107** authorizing such execution.

**THE CITY OF SAN DIEGO**

**APPROVED AS TO FORM**

Jan I. Goldsmith, City Attorney

By 

By 

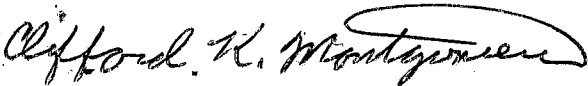
Print Name: Stephen Samara  
Senior Contract Specialist

Print Name: Christina L. Rae  
Deputy City Attorney

Date: 2-4-15

Date: 3/9/15

**CONTRACTOR**

By 

Print Name: Clifford K. Montgomery

Title: President

Date: Jan. 29, 2015

City of San Diego License No.: B2011010994

State Contractor's License No.: 928118

**CONTRACT FORMS**  
**ATTACHMENTS**

**CONTRACT FORMS ATTACHMENTS  
PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND**

---

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

Montgomery Construction Services, Inc., a corporation, as principal, and  
Hudson 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  
\$361,970.22 for the faithful performance of the  
annexed contract, and in the sum of \$361,970.22 for the  
benefit of laborers and materialmen designated below.

**Conditions:**

If the Principal shall faithfully perform the annexed contract **Skyline Temporary Fire Station; Bid Number L-15-6374-DBB-2**, 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 Chapter 3 of Division 5 of Title I of the Government Code of the State of California or under the provisions of Section 3082 et seq. 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.

"EXECUTED IN TRIPLICATES"

**CONTRACT FORMS ATTACHMENTS (continued)**  
**PERFORMANCE BOND AND LABOR AND MATERIALMEN'S BOND**

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

Dated February 12th, 2015

Approved as to Form

Montgomery Construction Services, Inc.  
Principal

By Clifford K. Montgomery

Clifford Montgomery, president  
Printed Name of Person Signing for Principal

Jan I. Goldsmith, City Attorney

By Christina L. Rae  
Deputy City Attorney 3/9/15

Hudson Insurance Company  
Surety

By [Signature]  
Canaan Millery, Attorney-in-fact

Approved:

By: [Signature]  
Stephen Samara  
Senior Contract Specialist  
Public Works Contracting Group

23901 Calabasas Rd Suite 1085  
Local Address of Surety

Calabasas, CA 91302  
Local Address (City, State) of Surety

818-449-3111  
Local Telephone No. of Surety

Premium \$ \$7,239.00

Bond No. 10021094

**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 Los Angeles )

On February 12, 2015 before me, Heather Allen, Notary Public,  
*Date Here Insert Name and Title of the Officer*  
personally appeared Canaan Hillery  
*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 Heather Allen  
*Signature of Notary Public*

*Place Notary Seal Above*

**OPTIONAL**

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

**Description of Attached Document**

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

**Capacity(ies) Claimed by Signer(s)**

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

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



POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That HUDSON INSURANCE COMPANY, a corporation of the State of Delaware, with offices at 100 William Street, New York, New York, 10038, has made, constituted and appointed, and by these presents, does make, constitute and appoint

Canaan Hillery
of the State of CA

its true and lawful Attorney(s)-in-Fact, at New York, New York, each of them alone to have full power to act without the other or others, to make, execute and deliver on its behalf, as Surety, bonds and undertakings given for any and all purposes, also to execute and deliver on its behalf as aforesaid renewals, extensions, agreements, waivers, consents or stipulations relating to such bonds or undertakings provided, however, that no single bond or undertaking shall obligate said Company for any portion of the penal sum thereof in excess of the sum of Three Hundred Sixty One Thousand Nine Hundred Seventy Dollars and Twenty Two Cents (\$361,970.20)

Such bonds and undertakings when duly executed by said Attorney(s)-in-Fact, shall be binding upon said Company as fully and to the same extent as if signed by the President of said Company under its corporate seal attested by its Secretary.

In Witness Whereof, HUDSON INSURANCE COMPANY has caused these presents to be of its Executive Vice President thereunto duly authorized, on this 31st day of October, 2013 at New York, New York.



Dina Daskalakis
Corporate Secretary

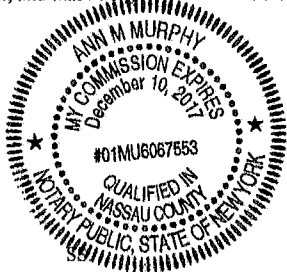
HUDSON INSURANCE COMPANY

By Christopher T. Suarez
Executive Vice President

STATE OF NEW YORK
COUNTY OF NEW YORK SS.

On the 31st day of October, 2013 before me personally came Christopher T. Suarez to me known, who being by me duly sworn did depose and say that he is an Executive Vice President of HUDSON INSURANCE COMPANY, the corporation described herein and which executed the above instrument, that he knows the seal of said Corporation, that the seal affixed to said instrument is such corporate seal, that it was so affixed by order of the Board of Directors of said Corporation, and that he signed his name thereto by like order.

(Notarial Seal)



ANN M. MURPHY
Notary Public, State of New York
No. 01MU6067553
Qualified in Nassau County
Commission Expires December 10, 2017

STATE OF NEW YORK
COUNTY OF NEW YORK

CERTIFICATION

The undersigned Dina Daskalakis hereby certifies:

That the original resolution, of which the following is a true and correct copy, was duly adopted by unanimous written consent of the Board of Directors of Hudson Insurance Company dated July 27th, 2007, and has not since been revoked, amended or modified:

"RESOLVED, that the President, the Executive Vice Presidents, the Senior Vice Presidents and the Vice Presidents shall have the authority and discretion, to appoint such agent or agents, or attorney or attorneys-in-fact, for the purpose of carrying on this Company's surety business, and to empower such agent or agents, or attorney or attorneys-in-fact, to execute and deliver, under this Company's seal or otherwise, bonds obligations, and recognizances, whether made by this Company as surety thereon or otherwise, indemnity contracts, contracts and certificates, and any and all other contracts and undertakings made in the course of this Company's surety business, and renewals, extensions, agreements, waivers, consents or stipulations regarding undertakings so made; and

FURTHER RESOVLED, that the signature of any such Officer of the Company and the Company's seal may be affixed by facsimile to any power of attorney or certification given for the execution of any bond, undertaking, recognizance, contract of indemnity or other written obligation in the nature thereof or related thereto, such signature and seal when so used whether heretofore or hereafter, being hereby adopted by the Company as the original signature of such officer and the original seal of the Company, to be valid and binding upon the Company with the same force and effect as though manually affixed."

THAT the above and foregoing is a full, true and correct copy of Power of Attorney issued by said Company, and of the whole of the original and that the said Power of Attorney is still in full force and effect and has not been revoked, and furthermore that the Resolution of the Board of Directors, set forth in the said Power of Attorney is now in force.

Witness the hand of the undersigned and the seal of said Corporation this 11th day of February, 2015



Form BOND 10 8 2010 (v1)

Dina Daskalakis
Corporate Secretary

## CONTRACTOR CERTIFICATION

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### DRUG-FREE WORKPLACE

PROJECT TITLE: Skyline Temporary Fire Station

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;

Montgomery Construction Services, Inc.  
(Name under which business is conducted)

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.

Signed Clifford R. Montgomery

Printed Name Clifford R. Montgomery

Title President



## CONTRACTOR CERTIFICATION

### AMERICAN WITH DISABILITIES ACT (ADA) COMPLIANCE CERTIFICATION

PROJECT TITLE: Skyline Temporary Fire Station

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;

Montgomery Construction Services, Inc.  
(Name under which business is conducted)

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.

Signed Clifford K. Montgomery

Printed Name (President) Clifford K. Montgomery

Title President

## CONTRACTOR CERTIFICATION

### CONTRACTOR STANDARDS – PLEDGE OF COMPLIANCE

PROJECT TITLE: Skyline Temporary Fire Station

I declare under penalty of perjury that I am authorized to make this certification on behalf of Montgomery Construction Services, Inc., as Contractor, that I am familiar with the requirements of City of San Diego Municipal Code § 22.3224 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 § 22.3224.

Dated this 29<sup>th</sup> Day of Jan., 2015.

Signed Clifford K. Montgomery

Printed Name Clifford K. Montgomery

Title President

**AFFIDAVIT OF DISPOSAL**

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

**Skyline Temporary Fire Station**

(Name of Project)

as particularly described in said contract and identified as Bid No. **L-15-6374-DBB-2**; SAP No. (WBS/IO/CC) **S-00687** 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

## ATTACHMENTS

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

## **SCOPE OF WORK**

1. **SCOPE OF WORK:** The scope of work includes setting up / assembles a sprung structure and a Modular unit to accommodate four fire crews.
  - 1.1. The Work shall be performed in accordance with:
    - 1.1.1. The Notice Inviting Bids and Plans numbered **38317-01-D** through **38317-40-D**, inclusive.
2. **CONSTRUCTION COST:** The City's estimated construction cost for this contract is **\$325,000**.
3. **LOCATION OF WORK:** 7180 Skyline Drive, San Diego, CA 92114.
4. **CONTRACT TIME:** The Contract Time for completion of the Work shall be **45 Working Days**.
5. **CONTRACTOR'S LICENSE CLASSIFICATION:** In accordance with the provisions of California Law, the Contractor shall possess valid appropriate license(s) at the time that the Bid is submitted. Failure to possess the specified license(s) shall render the Bid as **non-responsive** and shall act as a bar to award of the Contract to any Bidder not possessing required license(s) at the time of Bid.
  - 5.1. The City has determined the following licensing classification for this contract:
    - **CLASS B**

**ATTACHMENT B**  
**INTENTIONALLY LEFT BLANK**

**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**  
**INTENTIONALLY LEFT BLANK**

**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 2 - SCOPE AND CONTROL OF WORK**

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

1. The self performance percentage requirement will be waived for contracts when a “B” License is required or allowed.

**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>

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

The Contractor shall be responsible for all surveying services or as may be specified in these special provisions.

The payment for survey services shall be included in the various Bid items unless a Bid item for Survey Service has been provided.

## 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 later than 10 Working Days after the determination of the Apparent Low Bidder** and on the City’s Product Submittal Form available at.

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

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

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

5. For Water projects where shutdowns of 16 inch and larger pipes are required, there is a shutdown moratorium from May until October. Contractor shall plan and schedule work accordingly. No additional payment or working days will be granted for delays due to this moratorium.
6. 30 Working days for full depth asphalt final mill and resurfacing work required per SDG-107.

## 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.

### **7-3.2.5 Contractors Builders Risk Property Insurance.**

1. You must provide at its expense, and maintain until Final Acceptance of the Work, a Special Form Builders Risk Policy or Policies. This insurance must be in an amount equal to the replacement cost of the completed Work (without deduction for depreciation) including the cost of excavations, grading, and filling. The policy or policies limits must be 100% of this contract value of the Work plus 15% to cover administrative costs, design costs, and the costs of inspections and construction management.
2. Insured property must include material or portions of the Work located away from the Site but intended for use at the Site, and must cover material or portions of the Work in transit. The policy or policies must include as insured property scaffolding, falsework, and temporary buildings located at the Site. The policy or policies must cover the cost of removing debris, including demolition.
3. The policy or policies must provide that all proceeds thereunder must be payable to the City as Trustee for the insured, and must name the City, the Contractor, Subcontractors, and Suppliers of all tiers as named insured. We as Trustee will collect, adjust, and receive all monies which may become due and payable under the policy or policies, may compromise any and all claims thereunder, and will apply the proceeds of such insurance to the repair, reconstruction, or replacement of the Work.
4. Any deductible applicable to the insurance must be identified in the policy or policies documents and responsibility for paying the part of any loss not covered because of the application of such deductibles must be apportioned among the parties except for the City as follows: if there is more than one claimant for a single occurrence, then each claimant must pay a pro-rata share of the per occurrence deductible based upon the percentage of their paid claim to the total paid for insured. The City must be entitled to 100% of its loss. The Contractor must pay the City any portion of that loss not covered because of a deductible, at the same time the proceeds of the insurance are paid to the City as trustee.
5. Any insured, other than the City, making claim to which a deductible applies must be responsible for 100% of the loss not insured because of the deductible. Except as provided for under California law, the policy or policies must

provide that the City is entitled to 30 days prior written notice (10 days for cancellation due to non-payment of premium) of cancellation or non-renewal of the policy or policies.

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

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

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

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

**7-3.5 Policy Endorsements.**

**7-3.5.1 Commercial General Liability Insurance**

**7-3.5.1.1 Additional Insured.**

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

- 7-3.5.1.2 Primary and Non-Contributory Coverage.** The policy must be endorsed to provide that the coverage with respect to operations, including the completed operations, if appropriate, of the Named Insured is primary to any insurance or self-insurance of the City and its elected officials, officers, employees, agents and representatives. Further, it must provide that any insurance maintained by the City and its elected officials, officers, employees, agents and representatives must be in excess of your insurance and must not contribute to it.
- 7-3.5.1.3 Project General Aggregate Limit.** The policy or policies must be endorsed to provide a Designated Construction Project General Aggregate Limit that will apply only to the Work. Only claims payments which arise from the Work must reduce the Designated Construction Project General Aggregate Limit. The Designated Construction Project General Aggregate Limit must be in addition to the aggregate limit provided for the products-completed operations hazard.
- 7-3.5.2 Commercial Automobile Liability Insurance.**
- 7-3.5.2.1 Additional Insured.** Unless the policy or policies of Commercial Auto Liability Insurance are written on an ISO form CA 00 01 12 90 or a later version of this form or equivalent form providing coverage at least as broad, the policy must be endorsed to include the City and its respective elected officials, officers, employees, agents, and representatives as additional insured, with respect to liability arising out of automobiles owned, leased, hired or borrowed by you or on your behalf. This endorsement is limited to the obligations permitted by California Insurance Code §11580.04.
- 7-3.5.5 Builders Risk Endorsements.**
- 7-3.5.5.1 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.
- 7-3.5.5.2 Builders Risk – Partial Utilization.** If the City desire to occupy or use a portion or portions of the Work prior to Acceptance in accordance with this contract, the City will notify you and you must immediately notify your Builder's Risk insurer and obtain an endorsement that the policy or policies must not be cancelled or lapse on account of any such partial use or occupancy. You must obtain the endorsement prior to our occupation and use.
- 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.

**7-10.5.3 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 SUSBTITUTE 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 will work with the Contractor to inform the public (which includes, but is not limited to, property owners, renters, homeowners, business owners, recreational users, and other community members and stakeholders) of construction impacts. Efforts by the Contractor to mitigate construction impacts by communicating with the public require close coordination and cooperation with the City.
2. The Contractor will perform the community outreach activities required throughout the Contract Time.
3. The Contractor shall closely coordinate the Work with the businesses, institutions, residents and property owners impacted by the Project. Example duties of the Contractor include notification to the businesses, institutions and residents of the commencement of construction activities not less than 5 days in advance, coordination of access for vehicular and pedestrian traffic to businesses, institutions and residences impacted by the Project, reporting of Contractor activities at all Project progress meetings scheduled by the Engineer, attendance to the Project Pre-construction Meeting, attendance at 2 community meetings, response to community questions and complaints related to Contractor activities, and written documentation including logging in all inquiries and complaints received into the City's Public Contact Log located on the City's SDSHare site:

<http://sdshare/forums/ecp/PITS/picr/Lists/Public%20Contact%20Log/AllItems.aspx>.

4. The Contractor shall execute the Information Security Policy Acknowledgement Form - For Non-City Employees within 15 days of the award of the Contract if:
  - a) The contact information for the Contractor is made available on any outreach materials or;
  - b) The Contractor will be the primary point of contact to resolve project related inquiries and complaints.

5. Electronic Communication.

All inquiries and complaints will be logged in to the City's SDSShare site within 24 hours of receipt of inquiries and complaints.

Any updates or a resolution of inquiries, and complaints shall be documented in the City's SDSShare site within 24 hours.

Copies of email communications shall be saved on to the City's SDSShare site as individually as an Outlook Message Format (\*.msg).

All graphics, photos, and other electronic files associated with the inquiries and or complaints shall be saved into the individual record.

6. **When specified**, present your Exclusive Community Liaison to the Engineer, in writing, within 15 days of the award of the Contract.

**7-16.2 Submittals.**

1. The Contractor 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, the Contractor 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.

b. After distributing or mailing, the Contractor shall submit verification of delivery and any copies of returned notices to the Resident Engineer.

2. The Contractor will use the City's SDSShare site to identify and summarize communications (via phone, in person, and email) with the public the within 24 hours of receipt, even if the Contractor's response to the individual is still incomplete. The Contractor will upload to the City's SDSShare site copies of all written, electronic, and verbal communications and conversations with the public.

**7-16.3 Public Notice by Contractor.**

1. 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 where Work is to be performed at least 5 days before starting the Work as directed by the Resident Engineer.

2. 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.

**7-16.4 Quality Assurance.**

1. During the course of community outreach, the Contractor shall ensure the character of all persons that conduct community outreach (distributing door hangers, attending community meetings, interacting with the public, etc.), on behalf of the Contractor:
  - 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 an employee of the Contractor,
  - c. Have the interpersonal skills to effectively, professionally, and tactfully represent the project, Contractor, and City to the public.

**7-16.5 Communications with the Public.**

1. The Contractor shall provide updates on construction impacts to the Resident Engineer. The Contractor 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.
2. The Contractor 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.
3. At the request of the Resident Engineer, the Contractor shall attend and participate in project briefings at community meetings.
4. The Contractor 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.

**7-16.6 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), the Contractor 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. The Contractor 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, the Contractor shall allow the City to escort the media representatives while they are on the construction site and shall ensure their safety.
6. The Contractor shall require media representatives to sign in and out of the Site Visitor Log and to use Personal Protective Equipment.
7. The Contractor has a right to speak to members of the media about its company and its role on the project. All other questions shall be referred to the City.

**7-16.7 Exclusive Community Liaison Services.**

If directed to conduct Exclusive Community Liaison Services, the Contractor shall retain an Exclusive Community Liaison for the Project whose sole responsibilities will be as follows:

1. Develop a contact list of community, tenants, property owners, and agencies with a stake in the project.
2. Notify businesses, institutions, property owners, and residents of the commencement of construction activities and utility service interruptions not less than 5 days in advance.
3. Coordinate access for vehicular and pedestrian traffic to businesses, institutions and residences impacted by the Project.
4. Prepare and present of materials in coordination with the Resident Engineer (the City's standards and guidelines for the communication materials are available for review by Bidders by sending a request to the Contract Specialist).
5. Respond to community questions and complaints related to Contractor activities.
6. Write, edit, update, or produce brochures, pamphlets and news releases.
7. Provide standard telephone inquiries and e-mail responses:
  - a) Respond to telephone calls and e-mails from the public.
  - b) Record calls and e-mails on the City's SDSshare site.
8. Report Exclusive Community Liaison activities at all progress meetings scheduled by the Resident Engineer.
9. Attendance at pre-construction, community and stakeholders meetings.



**7-16.7.1 Exclusive Community Liaison Work Plan.** The Work plan for the Exclusive Community Liaison shall address the items of Work specified in these specifications. Present your Exclusive Community Liaison and submit your exclusive community outreach plan (in writing) **as specified** within 15 days of the Award of the Contract.

**7-16.8 Payment.** The Payment for the community outreach and public notices is included in the various Bid items. The payment for exclusive community liaison is in the bid item for “Exclusive Community Liaison Services.”

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

Virtual Project Manager will be used on this contract.

**SECTION 8 - FACILITIES FOR AGENCY PERSONNEL**

**8-2 FIELD OFFICE FACILITIES.** To the City Supplement, DELETE in its entirety.

**SECTION 9 - MEASUREMENT AND PAYMENT**

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

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

**ADD:**

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

**SECTION 203 – BITUMINOUS MATERIALS**

**203-15 RUBBER POLYMER MODIFIED SLURRY (RPMS).** To the City Supplement, CORRECT section numbering as follows:

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

ADD the following:

RPMS shall be used on this contract.

**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:

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

**SECTION 212 - LANDSCAPE AND IRRIGATION MATERIALS**

**ADD:**

**212-3.2.2.3 Trench Marker Tape.** To the City Supplement, DELETE in its entirety and SUBSTITUTE with the following:

- a) Trench marker tape shall be 6” wide and consist of a minimum 5.0 mil, five-ply 100% virgin polyethylene which is acid, alkaline and corrosion resistant. Elongation properties and tensile strength of not less than 7,800 psi shall be in accordance with ASTM D882-80A. The trench marker tape for water lines shall have a minimum 20 gauge solid aluminum foil core, adhered to a 2.55 mil polyethylene backing.
- b) Tape color and legend shall be placed beneath the top protective layer subject to the following:
  - 1. Blue with “Caution Potable Water Line Buried Below” for Water mainlines and over pipe sleeves.
  - 2. Purple with “Caution Recycled/Reclaimed Water Line Buried Below” for recycled water irrigation mainlines.
  - 3. Red with “Caution Electric Line Buried Below” for electrical lines servicing the irrigation system, including, but not limited to, 110/220v power to irrigation controllers and pumps, communication cables and irrigation direct burial control wires to remote control valves.
  - 4. Green with “Caution Sewer Line Buried Below” for Sewer mainlines and over pipe sleeves.

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

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

### **302-3.1 Asphalt Patching.**

1. Asphalt patching shall consist of patching potholes, gutter-line erosion, and other low spots in the pavement that are deeper than ½” per 302-5.6.2, “Density and Smoothness.” These areas are generally smaller and more isolated than those areas in need of mill and pave.
2. The areas requiring patching have been identified in the Contract Documents, marked on the streets, or as directed by the Engineer. The Contractor shall identify any new areas that may require patching prior to slurry work to ensure the smoothness and quality of the finished product.

3. The Contractor shall identify and repair any areas that may require patching, prior to the placement of slurry seal for smooth finished product.
4. Asphalt overlay shall not be applied over deteriorated pavement. Preparatory asphalt work shall be completed and approved by the Engineer before proceeding with asphalt overlay.
5. The Contractor shall remove distressed asphalt pavement either by saw cutting or milling, to expose firm and unyielding pavement; prepare subgrade (as needed); and install compacted asphalt concrete pavement over compacted native material as directed by the Engineer.
6. Prior to replacing asphalt, the area shall be cleaned and tack coated per 302-5.4, "Tack Coat".
7. Following the asphalt placement, the Contractor shall roll the entire patch in both directions covering the patch at least twice.
8. After placement and compaction of the asphalt patch, the Contractor shall seal all finished edges with a 4" wide continuous band of SS-1H.
9. Base repairs shall not exceed 20% RAP in content.

**302-3.2 Payment.**

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

6. Payment for miscellaneous asphalt patching shall be included in the Contract unit price for slurry and no additional payment shall be made therefore.

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

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

**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:

<b>OLD SECTION NUMBER</b>	<b>TITLE</b>	<b>NEW SECTION NUMBER</b>
<b>306-1.8</b>	<b>House Connection Sewer (Laterals) and Cleanouts</b>	<b>306-1.9</b>
<b>306-1.7.1</b>	<b>Payment</b>	<b>306-1.9.1</b>
<b>306-1.7.2</b>	<b>Sewer Lateral with Private Replumbing</b>	<b>306-1.9.2</b>
<b>306-1.7.2.1</b>	<b>Location</b>	<b>306-1.9.2.1</b>
<b>306-1.7.2.2</b>	<b>Permits</b>	<b>306-1.9.2.2</b>
<b>306-1.7.2.3</b>	<b>Submittals</b>	<b>306-1.9.2.3</b>
<b>306-1.7.2.4</b>	<b>Trenchless Construction</b>	<b>306-1.9.2.4</b>
<b>306-1.7.2.5</b>	<b>Payment</b>	<b>306-1.9.2.5</b>
<b>306-1.7.3.6</b>	<b>Private Pump Installation</b>	<b>306-1.9.2.6</b>
<b>306-1.7.3.7</b>	<b>Payment</b>	<b>306-1.9.2.7</b>

**306-1.6 Basis of Payment for Open Trench Installations.** ADD the following:

Payment for imported backfill when the Contractor elects to import material from a source outside the project limits and when authorized by the Engineer shall be included in the Bid unit price 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

**308-8 PAYMENT.** To the City Supplement, DELETE in its entirety.

## SECTION 705 – WATER DISCHARGES

- 705-2.6.1**      **General.** Paragraph (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 **Notice of Exemption** for **Skyline Temporary Fire Station**, DEP No. **2112**, as referenced in the Contract Appendix. You must comply with all requirements of the **Notice of Exemption** as set forth in the Contract Appendix D.

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)

## TECHNICALS



**Project Manual**

**For**

# **Skyline Temporary Fire Station**

**7180 Skyline Drive, San Diego, California 92114  
Parcel ID No. 581-290-11-00**

**August 25, 2014**

**Architect**

**NADEL STUDIO ONE, INC**

**4445 Eastgate Mall**

**Suite 407**

**San Diego, CA 92121**

**☎ 619.232.8424**

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**SECTION 024116**  
**STRUCTURE DEMOLITION**

**PART 1 - GENERAL**

1.1 SUMMARY

- A. Section Includes:
  - 1. Removing below-grade construction.
  - 2. Disconnecting, capping or sealing, and abandoning in-place site utilities.

1.2 MATERIALS OWNERSHIP

- A. Unless otherwise indicated, demolition waste becomes property of Contractor.

1.3 PREINSTALLATION MEETINGS

- A. Predemolition Conference: Conduct conference at Project site.

1.4 INFORMATIONAL SUBMITTALS

- A. Engineering Survey: Submit engineering survey of condition of building.
- B. Proposed Protection Measures: Submit report, including Drawings, that indicates the measures proposed for protecting individuals and property, for environmental protection, and for dust control. Indicate proposed locations and construction of barriers.
- C. Predemolition photographs or video.
- D. Statement of Refrigerant Recovery: Signed by refrigerant recovery technician.

1.5 CLOSEOUT SUBMITTALS

- A. Inventory of items that have been removed and salvaged.

1.6 QUALITY ASSURANCE

- A. Refrigerant Recovery Technician Qualifications: Certified by EPA-approved certification program.

1.7 FIELD CONDITIONS

- A. Conditions existing at time of inspection for bidding purpose will be maintained by Owner as far as practical.
- B. Hazardous Materials: It is not expected that hazardous materials will be encountered in the Work.
  - 1. Hazardous materials will be removed by Owner before start of the Work.
  - 2. If materials suspected of containing hazardous materials are encountered, do not disturb; immediately notify Architect and Owner. Hazardous materials will be removed by Owner under a separate contract.
- C. On-site storage or sale of removed items or materials is not permitted.

## **PART 2 - PRODUCTS**

### **2.1 PERFORMANCE REQUIREMENTS**

- A. Regulatory Requirements: Comply with governing EPA notification regulations before beginning demolition. Comply with hauling and disposal regulations of authorities having jurisdiction.
- B. Standards: Comply with ASSE A10.6 and NFPA 241.

## **PART 3 - EXECUTION**

### **3.1 EXAMINATION**

- A. Verify that utilities have been disconnected and capped before starting demolition operations.
- B. Perform an engineering survey of condition of building to determine whether removing any element might result in structural deficiency or unplanned collapse of any portion of structure or adjacent structures during building demolition operations.
- C. Inventory and record the condition of items to be removed and salvaged.

### **3.2 PREPARATION**

- A. Refrigerant: Before starting demolition, remove refrigerant from mechanical equipment according to 40 CFR 82 and regulations of authorities having jurisdiction.

### **3.3 UTILITY SERVICES AND MECHANICAL/ELECTRICAL SYSTEMS**

- A. Existing Utilities to be Disconnected: Locate, identify, disconnect, and seal or cap off utilities serving buildings and structures to be demolished.
  - 1. Owner will arrange to shut off utilities when requested by Contractor.
  - 2. If removal, relocation, or abandonment of utility services will affect adjacent occupied buildings, then provide temporary utilities that bypass buildings and structures to be demolished and that maintain continuity of service to other buildings and structures.
  - 3. Cut off pipe or conduit a minimum of 24 inches below grade. Cap, valve, or plug and seal remaining portion of pipe or conduit after bypassing according to requirements of authorities having jurisdiction.
  - 4. Do not start demolition work until utility disconnecting and sealing have been completed and verified in writing.

### **3.4 PROTECTION**

- A. Existing Facilities: Protect adjacent walkways, loading docks, building entries, and other building facilities during demolition operations. Maintain exits from existing buildings.
- B. Temporary Shoring: Provide and maintain interior and exterior shoring, bracing, or structural support to preserve stability and prevent unexpected movement or collapse of construction being demolished.
- C. Existing Utilities to Remain: Maintain utility services to remain and protect from damage during demolition operations. Do not interrupt existing utilities serving adjacent occupied or operating facilities unless authorized in writing by Owner and authorities having jurisdiction.
- D. Temporary Protection: Erect temporary protection, such as walks, fences, railings, canopies, and covered passageways, where required by authorities having jurisdiction and as indicated.

1. Protect adjacent buildings and facilities from damage due to demolition activities.
  2. Protect existing site improvements, appurtenances, and landscaping to remain.
  3. Erect a plainly visible fence around drip line of individual trees or around perimeter drip line of groups of trees to remain.
  4. Provide temporary barricades and other protection required to prevent injury to people and damage to adjacent buildings and facilities to remain.
  5. Provide protection to ensure safe passage of people around building demolition area and to and from occupied portions of adjacent buildings and structures.
  6. Protect walls, windows, roofs, and other adjacent exterior construction that are to remain and that are exposed to building demolition operations.
  7. Erect and maintain dustproof partitions and temporary enclosures to limit dust, noise, and dirt migration to occupied portions of adjacent buildings.
- E. Remove temporary barriers and protections where hazards no longer exist. Where open excavations or other hazardous conditions remain, leave temporary barriers and protections in place.

### 3.5 DEMOLITION

- A. General: Demolish indicated buildings and site improvements completely as indicated on Demolition Drawings. Use methods required to complete the Work within limitations of governing regulations and as follows:
1. Do not use cutting torches until work area is cleared of flammable materials. Maintain portable fire-suppression devices during flame-cutting operations.
  2. Maintain fire watch during and for at least 2 hours after flame-cutting operations.
  3. Maintain adequate ventilation when using cutting torches.
  4. Locate building demolition equipment and remove debris and materials so as not to impose excessive loads on supporting walls, floors, or framing.
- B. Site Access and Temporary Controls: Conduct building demolition and debris-removal operations to ensure minimum interference with roads, streets, walks, walkways, and other adjacent occupied and used facilities.
1. Do not close or obstruct streets, walks, walkways, or other adjacent occupied or used facilities without permission from Owner and authorities having jurisdiction. Provide alternate routes around closed or obstructed trafficways if required by authorities having jurisdiction.
  2. Use water mist and other suitable methods to limit spread of dust and dirt. Comply with governing environmental-protection regulations.
- C. Explosives: Use of explosives is not permitted.
- D. Proceed with demolition of structural framing members systematically, from higher to lower level. Complete building demolition operations above each floor or tier before disturbing supporting members on the next lower level.
- E. Demolish foundation walls and other below-grade construction.
1. Remove below-grade construction, including foundation walls and footings, completely.
- F. Existing Utilities: Abandon existing utilities and below-grade utility structures that are within 5 feet outside footprint indicated for new construction. Abandon utilities outside this area.
- G. Below-Grade Areas: Completely fill below-grade areas and voids resulting from building demolition operations with satisfactory soil materials according to backfill requirements.

- H. Site Grading: Uniformly rough grade area of demolished construction to a smooth surface, free from irregular surface changes. Provide a smooth transition between adjacent existing grades and new grades.

3.6 CLEANING

- A. Remove demolition waste materials from Project site and dispose of them in an EPA-approved construction and demolition waste landfill acceptable to authorities having jurisdiction.
- B. Do not burn demolished materials.
- C. Clean adjacent improvements of dust, dirt, and debris caused by building demolition operations. Return adjacent areas to condition existing before building demolition operations began.

**END OF SECTION**

**SECTION 055000**  
**METAL FABRICATIONS**

**PART 1 - GENERAL**

1.1 SUMMARY

- A. Section Includes: Metal bollards.

1.2 ACTION SUBMITTALS

- A. Shop Drawings: Show fabrication and installation details.

**PART 2 - PRODUCTS**

2.1 METALS

- A. Metal Surfaces, General: Provide materials with smooth, flat surfaces unless otherwise indicated. For metal fabrications exposed to view in the completed Work, provide materials without seam marks, roller marks, rolled trade names, or blemishes.
- B. Steel Pipe: ASTM A 53/A 53M, Standard Weight (Schedule 40) unless otherwise indicated.

2.2 MISCELLANEOUS MATERIALS

- A. Shop Primers: Provide primers that comply with Section 099113 "Exterior Painting."
- B. Nonshrink, Nonmetallic Grout: Factory-packaged, nonstaining, noncorrosive, nongaseous grout complying with ASTM C 1107/C 1107M. Provide grout specifically recommended by manufacturer for interior and exterior applications.
- C. Concrete: Comply with requirements for normal-weight, air-entrained, concrete with a minimum 28-day compressive strength of 3000 psi.

2.3 FABRICATION, GENERAL

- A. Shop Assembly: Preassemble items in the shop to greatest extent possible. Use connections that maintain structural value of joined pieces.
- B. Cut, drill, and punch metals cleanly and accurately. Remove burrs and ease edges. Remove sharp or rough areas on exposed surfaces.
- C. Fabricate seams and other connections that are exposed to weather in a manner to exclude water. Provide weep holes where water may accumulate.

2.4 METAL BOLLARDS

- A. Fabricate metal bollards from Schedule 40 steel pipe.

2.5 FINISHES, GENERAL

- A. Finish metal fabrications after assembly.



2.6 STEEL AND IRON FINISHES

- A. Shop prime steel items except portions to be embedded in concrete.
- B. Preparation for Shop Priming: Prepare surfaces to comply with SSPC-SP 6/NACE No. 3, "Commercial Blast Cleaning."

**PART 3 - EXECUTION**

3.1 INSTALLATION, GENERAL

- A. Placement: Set metal fabrications accurately in location, alignment, and elevation; with edges and surfaces level, plumb, and true; and measured from established lines and levels.

3.2 INSTALLING METAL BOLLARDS

- A. Anchor bollards in place with concrete footings. Place concrete and vibrate or tamp for consolidation. Support and brace bollards in position until concrete has cured.
- B. Fill bollards solidly with concrete, mounding top surface to shed water.

3.3 ADJUSTING AND CLEANING

- A. Touchup Painting: Immediately after erection, clean field welds, bolted connections, and abraded areas. Paint uncoated and abraded areas with the same material as used for shop painting to comply with SSPC-PA 1 for touching up shop-painted surfaces.

**END OF SECTION**

**SECTION 099113**  
**EXTERIOR PAINTING**

**PART 1 - GENERAL**

1.1 SUMMARY

- A. Section includes surface preparation and the application of paint systems on the following exterior substrates:
  - 1. Steel.
  - 2. Galvanized metal.
  
- B. Surface preparation and field painting of exposed items and surfaces.
  - 1. Surface preparation, priming, and finish coats specified in this Section are in addition to shop priming and surface treatment specified in other Sections.
  - 2. Field finish coating of shop or factory primed and prefinished items. Refer to individual Sections for priming requirements.
  - 3. Finish coatings schedule.
  - 4. Preparation work and coatings specified in this Section are in addition to shop and factory applied finishes and surface treatment specified in other Sections.
  - 5. Paint all other items unless specifically indicated not to be painted.
  - 6. Color schedule.
  
- C. Paint exposed surfaces, except where these Specifications indicate that the surface or material is not to be painted or is to remain natural. If an item or a surface is not specifically mentioned, paint the item or surface the same as similar adjacent materials or surfaces. If a color of finish is not indicated, Architect will select from standard colors and finishes available.
  - 1. Painting includes field painting of exposed bare and covered pipes and ducts (including color coding), hangers, exposed steel and iron supports, and surfaces of mechanical and electrical equipment that do not have a factory-applied final finish.

1.2 DEFINITIONS

- A. Conform to PDCA Glossary for interpretation of terms used in this Section except as modified below.
  
- B. Exposed Surfaces: Surfaces of products, assemblies, and components visible from any angle after final installation. Includes internal surfaces visible when operable doors, panels or drawers are open, and surfaces visible behind registers, grilles, or louvers.
  
- C. Concealed Surfaces: Surfaces permanently hidden from view in finished construction and which are only visible after removal or disassembly of part or all of product or assembly.
  
- D. Gloss Levels
  - 1. Gloss Level 1: Not more than 5 units at 60 degrees and 10 units at 85 degrees, according to ASTM D 523.
  - 2. Gloss Level 2: Not more than 10 units at 60 degrees and 10 to 35 units at 85 degrees, according to ASTM D 523.
  - 3. Gloss Level 3: 10 to 25 units at 60 degrees and 10 to 35 units at 85 degrees, according to ASTM D 523.
  - 4. Gloss Level 4: 20 to 35 units at 60 degrees and not less than 35 units at 85 degrees, according to ASTM D 523.
  - 5. Gloss Level 5: 35 to 70 units at 60 degrees, according to ASTM D 523.

- 6. Gloss Level 6: 70 to 85 units at 60 degrees, according to ASTM D 523.
- 7. Gloss Level 7: More than 85 units at 60 degrees, according to ASTM D 523.

E. System DFT: Dry film thickness of entire coating system unless otherwise noted.

### 1.3 ACTION SUBMITTALS

- A. Product Data: For each paint system indicated. Include block fillers and primers.
  - 1. Material List: An inclusive list of required coating materials. Indicate each material and cross-reference specific coating, finish system, and application. Identify each material by manufacturer's catalog number and general classification.
  - 2. Manufacturer's Information: Manufacturer's technical information, including label analysis and instructions for handling, storing, and applying each coating material.
- B. Samples for Initial Selection: For each type of topcoat product.
- C. Samples for Verification: For each type of paint system and each color and gloss of topcoat.
  - 1. Submit Samples on rigid backing, 8 inches square.
  - 2. Step coats on Samples to show each coat required for system.
  - 3. Label each coat of each Sample.
  - 4. Label each Sample for location and application area.
- D. Product List: For each product indicated, include the following:
  - 1. Cross-reference to paint system and locations of application areas. Use same designations indicated on Drawings and in schedules.
  - 2. Printout of current "MPI Approved Products List" for each product category specified, with the proposed product highlighted.
  - 3. VOC content.

### 1.4 INFORMATIONAL SUBMITTALS

- A. Certifications specified in Quality Assurance article.
- B. Qualification Data: Applicator's qualification data.
- C. Manufacturer's instructions.

### 1.5 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials, from the same product run, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
  - 1. Paint: 5 percent, but not less than 1 gal. of each material and color applied.

### 1.6 QUALITY ASSURANCE

- A. Field Samples: Apply field samples of each paint system indicated and each color and finish selected to verify preliminary selections made under Sample submittals and to demonstrate aesthetic effects and set quality standards for materials and execution.
  - 1. Architect will select one surface to represent surfaces and conditions for application of each paint system specified in Part 3.
    - a. Vertical and Horizontal Surfaces: Provide samples of at least 100 sq. ft..
    - b. Other Items: Architect will designate items or areas required.
  - 2. Final approval of color selections will be based on field samples.
    - a. If preliminary color selections are not approved, apply additional mockups of additional colors selected by Architect at no added cost to Owner.

3. Approval of field samples does not constitute approval of deviations from the Contract Documents contained in field samples unless Architect specifically approves such deviations in writing.
4. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

#### 1.7 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials to Project site in manufacturer's original, unopened packages and containers bearing manufacturer's name and label and the following information:
  1. Add other requirements to suit Project.
  2. Product name or title of material.
  3. Product description (generic classification or binder type).
  4. Manufacturer's stock number and date of manufacture.
  5. Contents by volume, for pigment and vehicle constituents.
  6. Thinning instructions.
  7. Application instructions.
  8. Color name and number.
  9. VOC content.
- B. Store materials not in use in tightly covered containers in a well-ventilated area at a minimum ambient temperature of 45 deg F. Maintain storage containers in a clean condition, free of foreign materials and residue.
  1. Protect from freezing. Keep storage area neat and orderly. Remove oily rags and waste daily.

#### 1.8 FIELD CONDITIONS

- A. Environmental Conditions: Comply with more restrictive of following or manufacturer's requirements under which systems can be applied.
  1. Provide illumination of not less than 80 footcandles measured mid-height at substrate surface during application of coatings.
  2. Apply water reducible coatings only when ambient and surface temperatures are between 50 degrees F and 90 degrees F.
  3. Apply solvent reducible coatings only when ambient and surface temperatures are between 45 degrees F and 90 degrees F.
  4. Do not apply coatings under any of following conditions:
    - a. When surfaces are damp or wet.
    - b. Duringrain, fog, or mist.
    - c. When relative humidity is less than 20 percent or exceeds 85 percent.
    - d. When temperature is less than 5 degrees F above dew point.
    - e. When dust may be generated before coatings have dried.
    - f. In direct sunlight.
    - g. When wind velocity is above 20 mph.
  5. Application of coatings may continue during inclement weather provided work areas and surfaces to be coated are enclosed and specified environmental conditions are maintained.

#### 1.9 WARRANTY

- A. Warrant installation to be free from defects in material and workmanship for 5 years.
- B. Repair or replace defects occurring during warranty period.
  1. Defects include but are not limited to pinholes, crazing or cracking, loss of adhesion to substrate, deficient thickness, improper materials and workmanship.

**PART 2 - PRODUCTS**

2.1 MANUFACTURERS

- A. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
  1. Benjamin Moore & Co.
  2. Dunn-Edwards Corporation.
  3. Frazee Paint; Comex Group.
  4. Glidden Professional.
  5. Kelly-Moore Paint Company Inc.
  6. PPG Industries
  7. Sherwin-Williams Company (The).
  8. Tnemec.
  9. Vista Paint.

2.2 PAINT, GENERAL

- A. Material Compatibility:
  1. Provide materials for use within each paint system that are compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.
  2. For each coat in a paint system, provide products recommended in writing by manufacturers of topcoat for use in paint system and on substrate indicated.
- B. Material Quality: Provide manufacturer's best-quality paint material of the various coating types specified that are factory formulated and recommended by manufacturer for application indicated. Paint-material containers not displaying manufacturer's product identification will not be acceptable.
- C. Coatings:
  1. Ready-mixed, factory tinted, best professional grade produced by manufacturer.
  2. Use manufacturer's appropriate base materials to achieve required colors.
  3. Fully grind pigments to maintain soft paste consistency in vehicle.
  4. Capable of being dispersed into uniform, homogeneous mixture.
  5. Possess good flowing and brushing properties.
  6. Capable of drying or curing free of streaks or sags, and yielding specified finish.
- D. VOC Content: Provide materials that comply with VOC limits of authorities having jurisdiction.
- E. Low-Emitting Materials: Interior paints and coatings shall comply with the testing and product requirements of the California Department of Public Health's "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers."
- F. Paint Maximum Product Emissions Limits: Top coat and primer interior paints must meet or not exceed the VOC (Volatile Organic Compounds) limits of the current requirements of Green Seal Standards GS-11 - Paints in the building, and Cal-GREEN Table 5.504.4.3 for VOC Content Limits for Architectural Coatings.
- G. Cal-GREEN Requirements for typical paint coatings:
  1. Primers, Sealers, and Undercoaters: 100 grams per liter of product minus water
  2. Flats: 50 grams per liter of product minus water
  3. Non-flats: 100 grams per liter of product minus water
  4. Non-flat High Gloss: 150 grams per liter of product minus water

5. Dry-Fog Coatings: 150 g/L.
6. Anticorrosive and Antirust Paints Applied to Ferrous Metals: 250 g/L.
7. Zinc-Rich Industrial Maintenance Primers: 340 g/L.
8. Floor Coatings: 100 g/L.
9. Shellacs, Clear: 730 g/L.
10. Shellacs, Pigmented: 550 g/L.

## 2.3 PRIMERS/SEALERS

- A. Exterior Ferrous-Metal Primer: Factory-formulated rust-inhibitive metal primer for exterior application.
  1. Benjamin Moore and Company: Super Spec HP Acrylic Metal Primer #P04. Applied at a dry film thickness of not less than 1.7 mil.
  2. Dunn-Edwards Corporation; BRPR00-1 Bloc-Rust Premium, Interior / Exterior, Red Oxide or White, Waterborne Alkyd Rust Preventative Metal Primer: Applied at a dry film thickness of not less than 2.0 mils
  3. Frazee Industries; C309 Ultratech Universal Acrylic Metal Primer: Applied at a dry film thickness of not less than 1.5 mils.
  4. Glidden Professional; 4160-XXXX Devguard Multi-Purpose Tank & Structural Primer. Applied at a dry film thickness of not less than 2.0 mils.
  5. Kelly-Moore; 1711 Kel-Guard Alkyd White Rust Inhibitive Primer: Applied at a dry film thickness of not less than 2.0 mils.
  6. PPG Industries; Speedhide Alkyd Metal Primer 6-208. Applied at a dry film thickness of not less than 2.3 mils or Water Based option; Pitt Tech Plus DTM Acrylic Primer 90-912 Applied at a dry film thickness of not less than 2.0 mils.
  7. Sherwin-Williams; Kem Kromik Universal Metal Primer B50NZ6/B50WZ1: Applied at a dry film thickness of not less than 3.0 mils If a waterbased primer is desired, use S-W Pro Industrial ProCryl Universal Acrylic Primer, B66W310. Applied at a dry film thickness of not less than 3.0 mils.
  8. Tnemec; Series 115 Uni-Bond DF. Applied at a dry film thickness rate of not less than 3.0 mils DFT.
  9. Vista Paint Corporation: 4600 Uniprime II at a dry film thickness of not less than 2.0 mil.
- B. Exterior Galvanized Metal Primer: Factory-formulated galvanized metal primer for exterior application.
  1. Benjamin Moore and Company: Super Spec HP Acrylic Metal Primer #P04. Applied at a dry film thickness of not less than 1.7 mil.
  2. Dunn-Edwards Corporation; UGPR00-1 Ultra-Grip Premium, Ultra-Low VOC, Interior / Exterior Acrylic Multi-Surface Primer: Applied at a dry film thickness of not less than 1.5 mils.
  3. Frazee Industries; C309 Ultratech Universal Acrylic Metal Primer: Applied at a dry film thickness of not less than 1.7 mils.
  4. Glidden Professional; 4020-XXXX Devflex DTM Flat Interior/Exterior Waterborne Primer & Finish: Applied at a dry film thickness of not less than 2.2 mils.
  5. Glidden Professional; 4160-XXXX Devguard Multi-Purpose Tank & Structural Primer: Applied at a dry film thickness of not less than 2.0 mils.
  6. Kelly-Moore; 1722 Kel-Guard Acrylic Galvanized Iron Primer: Applied at a dry film thickness of not less than 1.8 mils.
  7. Kelly-Moore; 5725 DTM-Acrylic Metal Primer: Applied at a dry film thickness of not less than 1.8 mils.
  8. PPG Industries; Pitt Tech Plus DTM Acrylic Primer 90-912 Applied at a dry film thickness of not less than 2.0 mils.
  9. Sherwin-Williams recommends using primer below under full-gloss acrylic-enamel and full-gloss alkyd-enamel finishes.
  10. Sherwin-Williams; S-W Pro Industrial ProCryl Universal Acrylic Primer, B66W310. Applied at a dry film thickness of not less than 3.0 mils.

11. Tnemec:
  - a. Under Acrylics: Series 115 Uni-Bond DF; Applied at a dry film thickness rate of not less than 3.0 mils.
  - b. Under Urethane: Series L69 H.B. Epoxoline II; Applied at a dry film thickness rate of not less than 3.0 mils.
12. Vista Paint Corporation: 4600 Uniprime II at a dry film thickness of not less than 2.0 mil.

## 2.4 WATER-BASED PAINTS

- A. Exterior Semigloss Acrylic Enamel: Factory-formulated semigloss waterborne acrylic-latex enamel for exterior application.
  1. Benjamin Moore and Company: Ultra Spec EXT Gloss Finish N449. Applied at a dry film thickness of not less than 1.5 mil.
  2. Dunn-Edwards Corporation; SSSL50 Spartashield Exterior, Ultra-Low, 100% Acrylic Semi-Gloss Paint: Applied at a dry film thickness of not less than 1.5 mils.
  3. Frazee Industries; 124 Mirro Glide Semi-Gloss Interior/Exterior Acrylic Finish: Applied at a dry film thickness of not less than 1.5 mils.
  4. Glidden Professional; 2416-XXXX Ultra Hide 150 Exterior 100 Percent Acrylic Semi-Gloss Finish: Applied at a dry film thickness of not less than 1.6 mils.
  5. Kelly-Moore; 1250 Acry-Lustre Exterior Semi-Gloss Acrylic Finish: Applied at a dry film thickness of not less than 1.6 mils.
  6. PPG Industries; Speedhide Exterior 100% Acrylic Semi-Gloss Latex 6-900XI Series. Applied at a dry film thickness of not less than 1.5 mils.
  7. Sherwin-Williams; A-100 Latex Gloss A8 Series: Applied at a dry film thickness of not less than 1.3 mils.
  8. Tnemec; Series 1029 Enduratone; Applied at a dry film thickness rate of not less than 2.0 mils.
  9. Vista Paint Corporation: 4600 Uniprime II at a dry film thickness of not less than 2.0 mil.

## 2.5 SOURCE QUALITY CONTROL

- A. Testing of Paint Materials: Owner reserves the right to invoke the following procedure:
  1. Owner will engage the services of a qualified testing agency to sample paint materials. Contractor will be notified in advance and may be present when samples are taken. If paint materials have already been delivered to Project site, samples may be taken at Project site. Samples will be identified, sealed, and certified by testing agency.
  2. Testing agency will perform tests for compliance with product requirements.
  3. Owner may direct Contractor to stop applying paints if test results show materials being used do not comply with product requirements. Contractor shall remove noncomplying paint materials from Project site, pay for testing, and repaint surfaces painted with rejected materials. Contractor will be required to remove rejected materials from previously painted surfaces if, on repainting with complying materials, the two paints are incompatible.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Applicator present, for compliance with requirements for paint application. Comply with procedures specified in PDCA P4.
  1. Proceed with paint application only after unsatisfactory conditions have been corrected and surfaces receiving paint are thoroughly dry.
  2. Start of painting will be construed as Applicator's acceptance of surfaces and conditions within a particular area.

- B. Coordination of Work: Review other Sections in which primers are provided to ensure compatibility of the total system for various substrates. On request, furnish information on characteristics of finish materials to ensure use of compatible primers.
  - 1. Notify Architect about anticipated problems when using the materials specified over substrates primed by others.
- C. Verify suitability of substrates, including surface conditions and compatibility with existing finishes and primers.
- D. Proceed with coating application only after unsatisfactory conditions have been corrected.
  - 1. Application of coating indicates acceptance of surfaces and conditions.

### 3.2 PREPARATION

- A. Comply with manufacturer's written instructions and recommendations in "MPI Manual" applicable to substrates and paint systems indicated.
- B. Remove hardware, covers, plates, and similar items already in place that are removable and are not to be painted. If removal is impractical or impossible because of size or weight of item, provide surface-applied protection before surface preparation and painting.
  - 1. After completing painting operations, use workers skilled in the trades involved to reinstall items that were removed. Remove surface-applied protection.
- C. Clean substrates of substances that could impair bond of paints, including dust, dirt, oil, grease, and incompatible paints and encapsulants.
  - 1. Remove incompatible primers and reprime substrate with compatible primers or apply tie coat as required to produce paint systems indicated.
- D. Steel Substrates: Remove rust, loose mill scale, and shop primer if any. Clean using methods recommended in writing by paint manufacturer.
- E. Shop-Primed Steel Substrates: Clean field welds, bolted connections, and abraded areas of shop paint, and paint exposed areas with the same material as used for shop priming to comply with SSPC-PA 1 for touching up shop-primed surfaces.
- F. Galvanized-Metal Substrates: Remove grease and oil residue from galvanized sheet metal by mechanical methods to produce clean, lightly etched surfaces that promote adhesion of subsequently applied paints.
- G. Plastic Trim Fabrication Substrates: Remove dust, dirt, and other foreign material that might impair bond of paints to substrates.

### 3.3 APPLICATION

- A. Apply paints according to manufacturer's written instructions and recommendations in "MPI Manual."
  - 1. Use applicators and techniques suited for paint and substrate indicated.
  - 2. Paint surfaces behind movable items same as similar exposed surfaces. Before final installation, paint surfaces behind permanently fixed items with prime coat only.
  - 3. Primers specified in painting schedules may be omitted on items that are factory primed or factory finished if acceptable to topcoat manufacturers.
- B. Tint undercoats same color as topcoat, but tint each undercoat a lighter shade to facilitate identification of each coat if multiple coats of same material are to be applied. Provide sufficient difference in shade of undercoats to distinguish each separate coat.



- C. If undercoats or other conditions show through topcoat, apply additional coats until cured film has a uniform paint finish, color, and appearance.
- D. Apply paints to produce surface films without cloudiness, spotting, holidays, laps, brush marks, roller tracking, runs, sags, ropiness, or other surface imperfections. Cut in sharp lines and color breaks.

### 3.4 FIELD QUALITY CONTROL

- A. Dry Film Thickness Testing: Owner may engage the services of a qualified testing and inspecting agency to inspect and test paint for dry film thickness.
  - 1. Contractor shall touch up and restore painted surfaces damaged by testing.
  - 2. If test results show that dry film thickness of applied paint does not comply with paint manufacturer's written recommendations, Contractor shall pay for testing and apply additional coats as needed to provide dry film thickness that complies with paint manufacturer's written recommendations.

### 3.5 FIELD QUALITY CONTROL

- A. Dry Film Thickness Testing: Owner may engage the services of a qualified testing and inspecting agency to inspect and test paint for dry film thickness.
  - 1. Contractor shall touch up and restore painted surfaces damaged by testing.
  - 2. If test results show that dry film thickness of applied paint does not comply with paint manufacturer's written recommendations, Contractor shall pay for testing and apply additional coats as needed to provide dry film thickness that complies with paint manufacturer's written recommendations.

### 3.6 CLEANING AND PROTECTION

- A. At end of each workday, remove rubbish, empty cans, rags, and other discarded materials from Project site.
- B. After completing paint application, clean spattered surfaces. Remove spattered paints by washing, scraping, or other methods. Do not scratch or damage adjacent finished surfaces.
- C. Protect work of other trades against damage from paint application. Correct damage to work of other trades by cleaning, repairing, replacing, and refinishing, as approved by Architect, and leave in an undamaged condition.
- D. Provide "Wet Paint" signs and other methods to protect newly coated surfaces. Remove when directed or when no longer needed.
- E. At completion of construction activities of other trades, touch up and restore damaged or defaced painted surfaces.

### 3.7 EXTERIOR PAINTING SCHEDULE

- A. Steel Substrates:
  - 1. High-Performance Architectural Latex System:
    - a. Prime Coat: Primer, alkyd, anti-corrosive, for metal.
    - b. Prime Coat: Shop primer specified in Section where substrate is specified.
    - c. Intermediate Coat: Latex, interior, high performance architectural, matching topcoat.
    - d. Topcoat: Latex, interior, high performance architectural, (Gloss Level 3).

- B. Galvanized-Metal Substrates:
  - 1. Latex System:
    - a. Prime Coat: Primer, galvanized, water based.
    - b. Intermediate Coat: Latex, exterior, matching topcoat.
    - c. Topcoat: Latex, exterior, low sheen (Gloss Level 3-4).

**END OF SECTION**

## SECTION 101453

### TRAFFIC SIGNAGE

#### PART 1 - GENERAL

##### 1.1 SUMMARY

- A. Section Includes: Metal traffic signs.

##### 1.2 ACTION SUBMITTALS

- A. Shop Drawings: For panel signs.
  - 1. Include fabrication and installation details and attachments to other work.
  - 2. Show sign mounting heights, locations of supplementary supports to be provided by others, and accessories.
  - 3. Show message list, typestyles, graphic elements, and layout for each sign at least quarter size.
- B. Sign Schedule: Use same designations specified or indicated on Drawings or in a sign schedule.

##### 1.3 QUALITY ASSURANCE

- A. Provide traffic signs complying with the "Manual on Uniform Traffic Control Devices."

#### PART 2 - PRODUCTS

##### 2.1 SIGNS

- A. Panel Sign: Sign with smooth, uniform surfaces; with message and characters having uniform faces, sharp corners, and precisely formed lines and profiles; and as follows:
  - 1. Solid-Sheet Sign: Aluminum sheet with finish specified in "Painted Finish and Graphics" Subparagraph below and as follows:
    - a. Thickness: 0.080 inch.
    - b. Surface-Applied Graphics: Applied paint.
  - 2. Sign-Panel Perimeter: Finish edges smooth.
    - a. Corner Condition in Elevation: Rounded.
  - 3. Mounting: Post mounted.
  - 4. Painted Finish and Graphics: Manufacturer's standard, factory-applied exterior-grade sign paint.

##### 2.2 PANEL-SIGN MATERIALS

- A. Aluminum Sheet and Plate: ASTM B 209, alloy and temper recommended by aluminum producer and finisher for type of use and finish indicated.
- B. Paints and Coatings for Sheet Materials: Inks, dyes, and paints that are recommended by manufacturer for optimum adherence to surface and are UV and water resistant for colors and exposure indicated.

##### 2.3 ACCESSORIES

- A. Pipe: ASTM A 53/A 53M, Type F or Type S, Grade A, Standard Weight (Schedule 40), unless another grade and weight are required by structural loads.
  - 1. Provide galvanized finish.

2.4 GENERAL FINISH REQUIREMENTS

- A. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.
- B. Appearance of Finished Work: Noticeable variations in same piece are not acceptable. Variations in appearance of adjoining components are acceptable if they are within the range of approved Samples and are assembled or installed to minimize contrast.

**PART 3 - EXECUTION**

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of signage work.
- B. Verify that sign-support surfaces are within tolerances to accommodate signs without gaps or irregularities between backs of signs and support surfaces unless otherwise indicated.
- C. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. General: Install signs using mounting methods indicated and according to manufacturer's written instructions.
  - 1. Install signs level, plumb, true to line, and at locations and heights indicated, with sign surfaces free of distortion and other defects in appearance.
  - 2. Install signs so they do not protrude or obstruct according to the accessibility standard.
  - 3. Before installation, verify that sign surfaces are clean and free of materials or debris that would impair installation.
  - 4. Corrosion Protection: Coat concealed surfaces of exterior aluminum in contact with grout, concrete, masonry, wood, or dissimilar metals, with a heavy coat of bituminous paint.
- B. Post Mounting: Anchor posts in place with concrete footings. Center and align posts in holes 3 inches above bottom of excavation. Place concrete and vibrate or tamp for consolidation. Support and brace bollards in position until concrete has cured.

3.3 ADJUSTING AND CLEANING

- A. Remove and replace damaged or deformed signs and signs that do not comply with specified requirements. Replace signs with damaged or deteriorated finishes or components that cannot be successfully repaired by finish touchup or similar minor repair procedures.
- B. On completion of installation, clean exposed surfaces of signs according to manufacturer's written instructions, and touch up minor nicks and abrasions in finish. Maintain signs in a clean condition during construction and protect from damage until acceptance by Owner.

**END OF SECTION**

## **SECTION 311000**

### **SITE CLEARING**

#### **PART 1 - GENERAL**

##### **1.1 SUMMARY**

- A. Section Includes:
  - 1. Protecting existing vegetation to remain.
  - 2. Removing existing vegetation.
  - 3. Clearing and grubbing.
  - 4. Stripping and stockpiling topsoil.
  - 5. Temporary erosion and sedimentation control.

##### **1.2 MATERIAL OWNERSHIP**

- A. Except for materials indicated to be stockpiled or otherwise remain Owner's property, cleared materials shall become Contractor's property and shall be removed from Project site.

##### **1.3 FIELD CONDITIONS**

- A. Traffic: Minimize interference with adjoining roads, streets, walks, and other adjacent occupied or used facilities during site-clearing operations.
  - 1. Do not close or obstruct streets, walks, or other adjacent occupied or used facilities without permission from Owner and authorities having jurisdiction.
  - 2. Provide alternate routes around closed or obstructed trafficways if required by Owner or authorities having jurisdiction.
- B. Do not commence site clearing operations until temporary erosion- and sedimentation-control measures are in place.

#### **PART 2 - PRODUCTS**

##### **2.1 MATERIALS**

- A. Satisfactory Soil Material: Obtain approved borrow soil material off-site when satisfactory soil material is not available on-site.

#### **PART 3 - EXECUTION**

##### **3.1 PREPARATION**

- A. Protect and maintain benchmarks and survey control points from disturbance during construction.
- B. Verify that trees, shrubs, and other vegetation to remain or to be relocated have been flagged and that protection zones have been identified and enclosed according to requirements in Section 015639 "Temporary Tree and Plant Protection."
- C. Protect existing site improvements to remain from damage during construction.
  - 1. Restore damaged improvements to their original condition, as acceptable to Owner.

### 3.2 TEMPORARY EROSION AND SEDIMENTATION CONTROL

- A. Provide temporary erosion- and sedimentation-control measures to prevent soil erosion and discharge of soil-bearing water runoff or airborne dust to adjacent properties and walkways, according to erosion- and sedimentation-control Drawings and requirements of authorities having jurisdiction.
- B. Verify that flows of water redirected from construction areas or generated by construction activity do not enter or cross protection zones.
- C. Inspect, maintain, and repair erosion- and sedimentation-control measures during construction until permanent vegetation has been established.
- D. Remove erosion and sedimentation controls, and restore and stabilize areas disturbed during removal.

### 3.3 CLEARING AND GRUBBING

- A. Remove obstructions, trees, shrubs, and other vegetation to permit installation of new construction.
  - 1. Grind down stumps and remove roots larger than 3 inches in diameter, obstructions, and debris to a depth of 18 inches below exposed subgrade.
  - 2. Use only hand methods or air spade for grubbing within protection zones.
- B. Fill depressions caused by clearing and grubbing operations with satisfactory soil material unless further excavation or earthwork is indicated.
  - 1. Place fill material in horizontal layers not exceeding a loose depth of 8 inches, and compact each layer to a density equal to adjacent original ground.

### 3.4 TOPSOIL STRIPPING

- A. Remove sod and grass before stripping topsoil.
- B. Strip topsoil to depth of 6 inches in a manner to prevent intermingling with underlying subsoil or other waste materials.
- C. Stockpile topsoil away from edge of excavations without intermixing with subsoil or other materials. Grade and shape stockpiles to drain surface water. Cover to prevent windblown dust and erosion by water.

### 3.5 DISPOSAL OF SURPLUS AND WASTE MATERIALS

- A. Remove surplus soil material, unsuitable topsoil, obstructions, demolished materials, and waste materials including trash and debris, and legally dispose of them off Owner's property.

**END OF SECTION**

**SECTION 313116**  
**TERMITE CONTROL**

**PART 1 - GENERAL**

1.1 SUMMARY

- A. Section Includes: Soil treatment.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product. Include the EPA-Registered Label for termiticide products.

1.3 INFORMATIONAL SUBMITTALS

- A. Product certificates.
- B. Soil Treatment Application Report: Include the following:
  - 1. Date and time of application.
  - 2. Moisture content of soil before application.
  - 3. Termiticide brand name and manufacturer.
  - 4. Quantity of undiluted termiticide used.
  - 5. Dilutions, methods, volumes used, and rates of application.
  - 6. Areas of application.
  - 7. Water source for application.
- C. Sample Warranties: For special warranties.

1.4 WARRANTY

- A. Soil Treatment Special Warranty: Manufacturer's standard form, signed by Applicator and Contractor, certifying that termite control work consisting of applied soil termiticide treatment will prevent infestation of subterranean termites. If subterranean termite activity or damage is discovered during warranty period, re-treat soil and repair or replace damage caused by termite infestation.
  - 1. Warranty Period: Five years from date of Substantial Completion.

**PART 2 - PRODUCTS**

2.1 SOIL TREATMENT

- A. Termiticide: EPA-Registered termiticide acceptable to authorities having jurisdiction, in an aqueous solution formulated to prevent termite infestation.
  - 1. Service Life of Treatment: Soil treatment termiticide that is effective for not less than five years against infestation of subterranean termites.

### **PART 3 - EXECUTION**

#### **3.1 PREPARATION**

- A. Remove extraneous sources of wood cellulose and other edible materials, such as wood debris, tree stumps and roots, stakes, formwork, and construction waste wood from soil within and around foundations.
- B. Soil Treatment Preparation: Remove foreign matter and impermeable soil materials that could decrease treatment effectiveness on areas to be treated.

#### **3.2 APPLYING SOIL TREATMENT**

- A. Application: Mix soil treatment termiticide solution to a uniform consistency. Distribute treatment uniformly. Apply treatment at the product's EPA-Registered Label volume and rate for maximum specified concentration of termiticide to the following so that a continuous horizontal and vertical termiticidal barrier or treated zone is established around and under building construction.
  - 1. Slabs-on-Grade and Basement Slabs: Under ground-supported slab construction, including footings, building slabs, and attached slabs as an overall treatment. Treat soil materials before concrete footings and slabs are placed.
  - 2. Foundations: Soil adjacent to and along the entire inside perimeter of foundation walls; along both sides of interior partition walls; around plumbing pipes and electric conduit penetrating the slab; around interior column footers, piers, and chimney bases; and along the entire outside perimeter, from grade to bottom of footing.
  - 3. Penetrations: At expansion joints, control joints, and areas where slabs and below-grade walls will be penetrated.
- B. Post warning signs in areas of application.
- C. Reapply soil treatment solution to areas disturbed by subsequent excavation, grading, landscaping, or other construction activities following application.

**END OF SECTION**



**SECTION 321713**  
**PARKING BUMPERS**

**PART 1 - GENERAL**

1.1 SUMMARY

- A. Section includes wheel stops.

1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.

**PART 2 - PRODUCTS**

2.1 PARKING BUMPERS

- A. Concrete Wheel Stops: Precast, steel-reinforced, air-entrained concrete, 4000-psi minimum compressive strength. Provide chamfered corners and a minimum of two factory-formed or -drilled vertical holes through wheel stop for anchoring to substrate.

2.2 ACCESSORY MATERIALS

- A. Mounting Hardware: Galvanized-steel spike or dowel, 1/2-inch diameter, 10-inch minimum length.
- B. Adhesive: Standard epoxy construction adhesive suitable for bonding concrete to asphalt and concrete surfaces.
  - 1. Comply with VOC and chemical component limits of SCAQMD Rule No. 1168 and CALGreen Table 5.504.4.1 Adhesive VOC Limit requirements.

**PART 3 - EXECUTION**

3.1 INSTALLATION

- A. General: Install wheel stops according to manufacturer's written instructions unless otherwise indicated.
- B. Install wheel stops in bed of adhesive before anchoring.
- C. Securely anchor wheel stops to pavement with hardware in each preformed vertical hole in wheel stop as recommended in writing by manufacturer.

**END OF SECTION**

## SECTION 321723

### PAVEMENT MARKINGS

#### PART 1 - GENERAL

##### 1.1 SUMMARY

- A. Section includes painted markings applied to asphalt and concrete pavement.

##### 1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.

#### PART 2 - PRODUCTS

##### 2.1 PAVEMENT-MARKING PAINT

- A. Pavement-Marking Paint: MPI #32, alkyd traffic-marking paint.
  - 1. Colors: As indicated.
- B. Paint Maximum Product Emissions Limits: Top coat and primer interior paints must meet current requirements for VOC limits of SCAQMD Rule No. 1113 and CALGreen Table 5.504.4.3 for VOC Content Limits for Architectural Coatings.
  - 1. CALGreen Requirements for typical paint coatings:
    - a. Primers, Sealers, and Undercoaters: 100 grams per liter of product minus water.
    - b. Flats: 50 grams per liter of product minus water.
    - c. Non-flats: 100 grams per liter of product minus water.
    - d. Non-flat High Gloss: 150 grams per liter of product minus water.

#### PART 3 - EXECUTION

##### 3.1 PAVEMENT MARKING

- A. Do not apply pavement-marking paint until layout, colors, and placement have been verified with Architect.
- B. Allow paving to age for a minimum of 30 days before starting pavement marking.
- C. Sweep and clean surface to eliminate loose material and dust.
- D. Apply paint with mechanical equipment to produce pavement markings, of dimensions indicated, with uniform, straight edges. Apply at manufacturer's recommended rates to provide a minimum wet film thickness of 15 mils.
  - 1. Apply graphic symbols and lettering with paint-resistant, die-cut stencils. Apply paint so that it cannot run beneath the stencil.

**END OF SECTION**

## SECTION 321726

### TACTILE WARNING SURFACING

#### PART 1 - GENERAL

##### 1.1 SUMMARY

- A. Section Includes: Cast-in-place detectable warning tiles.

##### 1.2 ACTION SUBMITTALS

- A. Product Data: For each type of product.

#### PART 2 - PRODUCTS

##### 2.1 TACTILE WARNING SURFACING, GENERAL

- A. Accessibility Requirements: Comply with applicable provisions in Title 24 and the "2010 ADA Standards" for tactile warning surfaces.

##### 2.2 DETECTABLE WARNING TILES

- A. Cast-in-Place Detectable Warning Tiles: Accessible truncated-dome detectable warning tiles configured for setting flush in new concrete walkway surfaces, with slip-resistant surface treatment on domes and field of tile.
  - 1. Material: Stainless steel, cast-fiber-reinforced polymer, or molded glass- and carbon-fiber-reinforced polyester.
  - 2. Color: As indicated on Drawings.
  - 3. Dome Spacing and Configuration: 2.35-inch spacing, in square pattern.
  - 4. Mounting:
    - a. Permanently embedded detectable warning tile wet-set into freshly poured concrete.

#### PART 3 - EXECUTION

##### 3.1 INSTALLATION OF TACTILE WARNING SURFACING

- A. General: Prepare substrate and install tactile warning surfacing according to manufacturer's written instructions unless otherwise indicated.
- B. Place tactile warning surfacing units in dimensions and orientation indicated. Comply with location requirements of AASHTO MP 12.
- C. Cast-in-Place Detectable Warning Tiles: Set each detectable warning tile accurately and firmly in place and completely seat tile back and embedments in wet concrete by tamping or vibrating. Set surface of tile flush with surrounding concrete and adjacent tiles. Remove concrete from tile surfaces and clean using methods recommended in writing by manufacturer.
- D. Remove and replace tactile warning surfacing that is broken or damaged or does not comply with requirements in this Section. Remove in complete sections from joint to joint unless otherwise approved by Architect. Replace using tactile warning surfacing installation methods acceptable to Architect.

- E. Protect tactile warning surfacing from damage and maintain free of stains, discoloration, dirt, and other foreign material.

**END OF SECTION**

## SECTION 323113

### CHAIN LINK FENCES AND GATES

#### PART 1 - GENERAL

##### 1.1 SUMMARY

- A. Section Includes:
  - 1. Chain-link fences.
  - 2. Gates: Manual swing.
  - 3. Gates: Motor operated, horizontal slide.
  - 4. Gates: Manual, swing.
- B. Related Sections:
  - 1. Section 033000 "Cast-in-Place Concrete" for cast-in-place concrete.

##### 1.2 PERFORMANCE REQUIREMENTS

- A. Delegated Design: Design chain-link fences and gates, including comprehensive engineering analysis by a qualified professional engineer, using performance requirements and design criteria indicated.
- B. Structural Performance: Chain-link fence and gate framework shall withstand the effects of gravity loads and the following loads and stresses within limits and under conditions indicated according to ASCE/SEI 7:
  - 1. Minimum Post Size: Determine according to ASTM F 1043 for framework up to 12 feet high, and post spacing not to exceed 10 feet.
  - 2. Minimum Post Size and Maximum Spacing: Determine according to CLFMI WLG 2445, based on mesh size and pattern specified and on the following:
    - a. Fence Height: As indicated on Drawings.
    - b. Material Group: IA, ASTM F 1043, Schedule 40 steel pipe.
- C. Lightning Protection System: Maximum grounding-resistance value of 25 ohms under normal dry conditions.

##### 1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product indicated. Include construction details, material descriptions, dimensions of individual components and profiles, and finishes for chain-link fences and gates.
  - 1. Fence and gate posts, rails, and fittings.
  - 2. Chain-link fabric, reinforcements, and attachments.
  - 3. Accessories: Privacy slats.
  - 4. Gates and hardware.
  - 5. Gate operators, including operating instructions.
  - 6. Motors: Show nameplate data, ratings, characteristics, and mounting arrangements.
- B. Shop Drawings: Include plans, elevations, sections, details, and attachments to other work. Show accessories, hardware, gate operation, and operational clearances.
  - 1. Gate Operator: Show locations and details for installing operator components, switches, and controls. Indicate motor size, electrical characteristics, drive arrangement, mounting, and grounding provisions.
  - 2. Wiring Diagrams: For power, signal, and control wiring.

- C. Samples for Initial Selection: For components with factory-applied color finishes.
- D. Samples for Verification: Prepared on Samples of size indicated below:
  - 1. Polymer-Coated Components: In 6-inch lengths for components and on full-sized units for accessories.
- E. Delegated-Design Submittal: For chain-link fences and gate framework indicated to comply with performance requirements and design criteria, including analysis data signed and sealed by the qualified professional engineer responsible for their preparation.

#### 1.4 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For qualified professional engineer.
- B. Product Certificates: For each type of chain-link fence, and gate, from manufacturer.
- C. Product Test Reports: For framing strength according to ASTM F 1043.
- D. Field quality-control reports.
- E. Warranty: Sample of special warranty.

#### 1.5 CLOSEOUT SUBMITTALS

- A. Operation and Maintenance Data: For the following to include in emergency, operation, and maintenance manuals:
  - 1. Polymer finishes.
  - 2. Gate hardware.
  - 3. Gate operator.

#### 1.6 QUALITY ASSURANCE

- A. Testing Agency Qualifications: For testing fence grounding. Member company of NETA or an NRTL.
  - 1. Testing Agency's Field Supervisor: Currently certified by NETA to supervise on-site testing.
- B. Electrical Components, Devices, and Accessories: Listed and labeled as defined in NFPA 70, by a qualified testing agency, and marked for intended location and application.
- C. Emergency Access Requirements: Comply with requirements of authorities having jurisdiction for gates with automatic gate operators serving as a required means of access.
- D. Mockups: Build mockups to set quality standards for fabrication and installation.
  - 1. Include 10-foot length of fence and gate.
- E. Preinstallation Conference: Conduct conference at Project site.
  - 1. Inspect and discuss electrical roughing-in, equipment bases, and other preparatory work specified elsewhere.
  - 2. Review sequence of operation for each type of gate operator.
  - 3. Review coordination of interlocked equipment specified in this Section and elsewhere.
  - 4. Review required testing, inspecting, and certifying procedures.

## 1.7 PROJECT CONDITIONS

- A. Field Measurements: Verify layout information for chain-link fences and gates shown on Drawings in relation to property survey and existing structures. Verify dimensions by field measurements.

## 1.8 WARRANTY

- A. Special Warranty: Manufacturer's standard form in which manufacturer and installer agrees to repair or replace components of chain-link fences and gates that fail in materials or workmanship within specified warranty period.
  - 1. Failures include, but are not limited to, the following:
    - a. Faulty operation of gate operators and controls.
    - b. Deterioration of metals, metal finishes, and other materials beyond normal weathering.
  - 2. Warranty Period: Five years from date of Substantial Completion.

## PART 2 - PRODUCTS

### 2.1 MANUFACTURER

- A. Basis-of-Design Product: San Diego Fence Company or a prior approved equal.

### 2.2 CHAIN-LINK FENCE FABRIC

- A. General: Provide fabric in one-piece heights measured between top and bottom of outer edge of selvage knuckle or twist. Comply with CLFMI Product Manual and with requirements indicated below:
  - 1. Fabric Height: As indicated on Drawings.
  - 2. Steel Wire Fabric: Wire with a diameter of 0.148 inch.
    - a. Mesh Size: 1-3/4 inches.
    - b. Polymer-Coated Fabric: ASTM F 668, Class 2b over zinc-coated steel wire.
      - 1) Color: As selected by Architect from manufacturer's full range, complying with ASTM F 934.
  - 3. Selvage: Twisted top and knuckled bottom.

### 2.3 FENCE FRAMING

- A. Posts and Rails: Comply with ASTM F 1043 for framing, including rails, braces, and line; terminal; and corner posts. Provide members with minimum dimensions and wall thickness according to ASTM F 1043 based on the following:
  - 1. Fence Height: As indicated on Drawings.
  - 2. Heavy Industrial Strength: Material Group IA, round steel pipe, Schedule 40.
    - a. Line Post: As required to meet design requirements.
    - b. End, Corner and Pull Post: As required to meet design requirements.
  - 3. Horizontal Framework Members: top and bottom rails complying with ASTM F 1043.
    - a. Top Rail: As required to meet design requirements.
  - 4. Brace Rails: Comply with ASTM F 1043.
  - 5. Metallic Coating for Steel Framing:
    - a. Type A, consisting of not less than minimum 2.0-oz./sq. ft. average zinc coating per ASTM A 123/A 123M or 4.0-oz./sq. ft. zinc coating per ASTM A 653/A 653M.
  - 6. Polymer coating over metallic coating.
    - a. Color: Match chain-link fabric, complying with ASTM F 934.

## 2.4 SWING GATES

- A. General: Comply with ASTM F 900 for gate posts and single swing gate types.
  - 1. Gate Leaf Width: As indicated.
  - 2. Gate Fabric Height: As indicated.
- B. Pipe and Tubing:
  - 1. Zinc-Coated Steel: Comply with ASTM F 1043 and ASTM F 1083; protective coating and finish to match fence framing.
  - 2. Gate Posts: Round tubular steel.
  - 3. Gate Frames and Bracing: Round tubular steel.
- C. Frame Corner Construction: Welded or assembled with corner fittings.
- D. Hardware:
  - 1. Hinges: 180-degree inward swing.
  - 2. Latches permitting operation from both sides of gate with provision for padlocking accessible from both sides of gate.

## 2.5 HORIZONTAL-SLIDE GATES

- A. General: Comply with ASTM F 1184 for gate posts and single sliding gate types. Provide automated vehicular gates that comply with ASTM F 2200, as indicated on Drawings.
  - 1. Classification: Type I Overhead Slide.
    - a. Gate Leaf Width: As indicated.
    - b. Gate Fabric Height: As indicated.
- B. Pipe and Tubing:
  - 1. Zinc-Coated Steel: Protective coating and finish to match fence framing.
  - 2. Gate Posts: Comply with ASTM F 1184. Provide round tubular steel posts.
  - 3. Gate Frames and Bracing: Round tubular steel.
- C. Frame Corner Construction: Welded.
- D. Hardware:
  - 1. Latches permitting operation from both sides of gate with provision for padlocking accessible from both sides of gate.
  - 2. Hangers, roller assemblies, and stops fabricated from galvanized steel.

## 2.6 FITTINGS

- A. General: Comply with ASTM F 626.
- B. Post Caps: Provide for each post.
  - 1. Provide line post caps with loop to receive top rail.
- C. Rail and Brace Ends: For each gate, corner, pull, and end post.
- D. Rail Fittings: Provide the following:
  - 1. Top Rail Sleeves: Pressed-steel or round-steel tubing not less than 6 inches long.
  - 2. Rail Clamps: Line and corner boulevard clamps for connecting bottom rails in the fence line-to-line posts.
- E. Tension and Brace Bands: Pressed steel.



- F. Truss Rod Assemblies: Steel, hot-dip galvanized after threading rod and turnbuckle or other means of adjustment.
- G. Tie Wires, Clips, and Fasteners: According to ASTM F 626.
  - 1. Standard Round Wire Ties: For attaching chain-link fabric to posts, rails, and frames, complying with the following:
    - a. Hot-Dip Galvanized Steel: 0.106-inch- diameter wire; galvanized coating thickness matching coating thickness of chain-link fence fabric.
- H. Finish:
  - 1. Metallic Coating for Pressed Steel or Cast Iron: Not less than 1.2 oz. /sq. ft. zinc.
    - a. Polymer coating over metallic coating.

## 2.7 PRIVACY SLATS

- A. Material: PVC, UV-light stabilized, not less than 0.023 inch thick; sized to fit mesh specified for direction indicated.
- B. Color: As selected by Architect from manufacturer's full range.

## 2.8 GATE OPERATORS

- A. General: Provide factory-assembled automatic operating system designed for gate size, type, weight, and operation frequency. Provide operation control system with characteristics suitable for Project conditions, with remote-control stations, safety devices, and weatherproof enclosures; coordinate electrical requirements with building electrical system.
  - 1. Provide operator designed so motor may be removed without disturbing limit-switch adjustment and without affecting auxiliary emergency operator.
  - 2. Provide operator with UL approval.
  - 3. Provide electronic components with built-in troubleshooting diagnostic feature.
  - 4. Provide unit designed and wired for both right-hand/left-hand opening, permitting universal installation.
- B. Comply with NFPA 70.
- C. UL Standard: Fabricate and label gate operators to comply with UL 325.
- D. Motor Characteristics: Sufficient to start, accelerate, and operate connected loads at designated speeds, within installed environment, with indicated operating sequence, and without exceeding nameplate rating or considering service factor. Comply with NEMA MG 1 and the following:
  - 1. Voltage: 120 V.
  - 2. Horsepower: 3/4.
  - 3. Enclosure: Totally enclosed.
  - 4. Duty: Continuous duty at ambient temperature of 105 deg F and at altitude of 3300 feet above sea level.
  - 5. Service Factor: 1.15 for open dripproof motors; 1.0 for totally enclosed motors.
  - 6. Phase: One.
- E. Gate Operators: Equipment base/pad mounted and as follows:
  - 1. Mechanical Slide Gate Operators:
    - a. Duty: Heavy duty, commercial/industrial.
    - b. Gate Speed: Minimum 60 feet per minute.
    - c. Maximum Gate Weight: 800 lb.
    - d. Frequency of Use: 25 cycles per hour.
    - e. Operating Type: Roller chain, with manual release.

- f. Drive Type: Enclosed worm gear and chain-and-sprocket reducers, roller-chain drive.
- F. Remote Controls: Electric controls separated from gate and motor and drive mechanism, with NEMA ICS 6, Type 1 enclosure for equipment base/pad mounting and with space for additional optional equipment. Provide the following remote-control device(s):
- 1. Control Station: Momentary-contact, three-button-operated; located remotely from gate. Key switch to lock out open and close buttons.
    - a. Function: Open, stop, and close.
  - 2. Radio Control: Digital system consisting of code-compatible universal receiver for each gate, located where indicated, with remote antenna with coaxial cable and mounting brackets designed to operate gates. Provide two programmable transmitter(s) with multiple-code capability permitting validating or voiding of not less than 1000 codes per channel configured for the following functions:
    - a. Transmitters: Single-button operated, with open function.
    - b. Channel Settings: Four independent channel settings controlling separate receivers for operating more than one gate from each transmitter.
  - 3. Vehicle Loop Detector: System including automatic closing timer with adjustable time delay before closing, timer cut-off switch, and loop detector designed to open and close gate hold gate open until traffic clears. Provide electronic detector with adjustable detection patterns, adjustable sensitivity and frequency settings, and panel indicator light designed to detect presence or transit of a vehicle over an embedded loop of wire and to emit a signal activating the gate operator. Provide number of loops consisting of multiple strands of wire, number of turns, loop size, and method of placement at location shown on Drawings, as recommended in writing by detection system manufacturer for function indicated.
    - a. Loop: Wire, in size indicated for field assembly, for saw-cut with epoxy-grouted installation.
  - 4. Vehicle Presence Detector: System including automatic closing timer with adjustable time delay before closing, timer cut-off switch, and presence detector designed to open and close gate, hold gate open until traffic clears. Provide emitter/receiver detector with adjustable detection zone pattern and sensitivity, designed to detect the presence or transit of a vehicle in gate pathway when infrared beam in zone pattern is interrupted, and to emit a signal activating the gate operator.
- G. Obstruction Detection Devices: Provide each motorized gate with automatic safety sensor(s). Activation of sensor(s) causes operator to immediately function as follows:
- 1. Action: Reverse gate in both opening and closing cycles and hold until clear of obstruction.
  - 2. Photoelectric/Infrared Sensor System: Designed to detect an obstruction in gate's path when infrared beam in the zone pattern is interrupted.
- H. Limit Switches: Adjustable switches, interlocked with motor controls and set to automatically stop gate at fully retracted and fully extended positions.
- 1. Type: Integral fail-safe release, allowing gate to be pushed open without mechanical devices, keys, cranks, or special knowledge.
- I. Operating Features:
- 1. Digital Microprocessor Control: Electronic programmable means for setting, changing, and adjusting control features with capability for monitoring and auditing gate activity. Provide unit that is isolated from voltage spikes and surges.
  - 2. System Integration: With controlling circuit board capable of accepting any type of input from external devices.
  - 3. Automatic Closing Timer: With adjustable time delay before closing and timer cut-off switch.
  - 4. Open Override Circuit: Designed to override closing commands.

5. Reversal Time Delay: Designed to protect gate system from shock load on reversal in both directions.
6. Maximum Run Timer: Designed to prevent damage to gate system by shutting down system if normal time to open gate is exceeded.
7. Clock Timer: 24-hour programmable for regular events.

J. Accessories:

1. Backup System: Connect gate to backup electrical system.
2. Instructional, Safety, and Warning Labels and Signs: According to UL 325.
3. Equipment Bases/Pads: Cast-in-place or precast concrete, 6 to 12 inches below frost line or detail on Drawings, dimensioned and reinforced according to gate-operator component manufacturer's written instructions and as indicated on Drawings.

## 2.9 GROUT AND ANCHORING CEMENT

- A. Nonshrink, Nonmetallic Grout: Premixed, factory-packaged, nonstaining, noncorrosive, nongaseous grout complying with ASTM C 1107. Provide grout, recommended in writing by manufacturer, for exterior applications.
- B. Erosion-Resistant Anchoring Cement: Factory-packaged, nonshrink, nonstaining, hydraulic-controlled expansion cement formulation for mixing with potable water at Project site to create pourable anchoring, patching, and grouting compound. Provide formulation that is resistant to erosion from water exposure without needing protection by a sealer or waterproof coating and that is recommended in writing by manufacturer, for exterior applications.

## 2.10 FENCE GROUNDING

- A. Conductors: Bare, solid wire for No. 6 AWG and smaller; stranded wire for No. 4 AWG and larger.
  1. Material above Finished Grade: Copper.
  2. Material on or below Finished Grade: Copper.
  3. Bonding Jumpers: Braided copper tape, 1 inch wide, woven of No. 30 AWG bare copper wire, terminated with copper ferrules.
- B. Connectors and Grounding Rods: Comply with UL 467.
  1. Connectors for Below-Grade Use: Exothermic welded type.
  2. Grounding Rods: Copper-clad steel, 5/8 by 96 inches.

## PART 3 - EXECUTION

### 3.1 EXAMINATION

- A. Examine areas and conditions, with Installer present, for compliance with requirements for a verified survey of property lines and legal boundaries, site clearing, earthwork, pavement work, and other conditions affecting performance of the Work.
  1. Do not begin installation before final grading is completed unless otherwise permitted by Architect.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

### 3.2 PREPARATION

- A. Stake locations of fence lines, gates, and terminal posts. Do not exceed intervals of 500 feet or line of sight between stakes. Indicate locations of utilities, lawn sprinkler system, underground structures, benchmarks, and property monuments.

### 3.3 INSTALLATION, GENERAL

- A. Install chain-link fencing to comply with ASTM F 567 and more stringent requirements indicated.
  - 1. Install fencing on established boundary lines inside property line.

### 3.4 CHAIN-LINK FENCE INSTALLATION

- A. Post Excavation: Drill or hand-excavate holes for posts to diameters and spacings indicated, in firm, undisturbed soil.
- B. Post Setting: Set posts in concrete at indicated spacing into firm, undisturbed soil.
  - 1. Verify that posts are set plumb, aligned, and at correct height and spacing, and hold in position during setting with concrete or mechanical devices.
  - 2. Concrete Fill: Place concrete around posts to dimensions indicated and vibrate or tamp for consolidation. Protect aboveground portion of posts from concrete splatter.
    - a. Concealed Concrete: Top 2 inches below grade to allow covering with surface material.
- C. Terminal Posts: Locate terminal end, corner, and gate posts per ASTM F 567 and terminal pull posts at changes in horizontal or vertical alignment of as indicated on Drawings.
- D. Line Posts: Space line posts uniformly as indicated on Drawings.
- E. Post Bracing and Intermediate Rails: Install according to ASTM F 567, maintaining plumb position and alignment of fencing. Diagonally brace terminal posts to adjacent line posts with truss rods and turnbuckles. Install braces at end and gate posts and at both sides of corner and pull posts.
  - 1. Locate horizontal braces at midheight of fabric 72 inches or higher, on fences with top rail and at two-third fabric height on fences without top rail. Install so posts are plumb when diagonal rod is under proper tension.
- F. Top Rail: Install according to ASTM F 567, maintaining plumb position and alignment of fencing. Run rail continuously through line post caps, bending to radius for curved runs and terminating into rail end attached to posts or post caps fabricated to receive rail at terminal posts. Provide expansion couplings as recommended in writing by fencing manufacturer.
- G. Bottom Rails: Install and secure to posts with fittings.
- H. Chain-Link Fabric: Apply fabric to outside of enclosing framework. Leave 1 inch between finish grade or surface and bottom selvage unless otherwise indicated. Pull fabric taut and tie to posts, rails, and tension wires. Anchor to framework so fabric remains under tension after pulling force is released.
- I. Tension or Stretcher Bars: Thread through fabric and secure to end, corner, pull, and gate posts with tension bands spaced not more than 15 inches o.c.
- J. Tie Wires: Use wire of proper length to firmly secure fabric to line posts and rails. Attach wire at one end to chain-link fabric, wrap wire around post a minimum of 180 degrees, and attach other end to chain-link fabric per ASTM F 626. Bend ends of wire to minimize hazard to individuals and clothing.
  - 1. Maximum Spacing: Tie fabric to line posts at 12 inches o.c. and to braces at 24 inches o.c.
- K. Fasteners: Install nuts for tension bands and carriage bolts on the side of the fence opposite the fabric side. Peen ends of bolts or score threads to prevent removal of nuts.

- L. Privacy Slats: Install slats in direction indicated, securely locked in place.
  - 1. Vertically, for privacy factor of 70 to 75.

### 3.5 GATE INSTALLATION

- A. Install gates according to manufacturer's written instructions, level, plumb, and secure for full opening without interference. Attach fabric as for fencing. Attach hardware using tamper-resistant or concealed means. Install ground-set items in concrete for anchorage. Adjust hardware for smooth operation and lubricate where necessary.

### 3.6 GATE OPERATOR INSTALLATION

- A. General: Install gate operators according to manufacturer's written instructions, aligned and true to fence line and grade.
- B. Excavation for Equipment Bases/Pads: Hand-excavate holes for bases/pads, in firm, undisturbed soil to dimensions and depths and at locations as required by gate-operator component manufacturer's written instructions and as indicated.
- C. Vehicle Loop Detector System: Cut grooves in pavement and bury and seal wire loop according to manufacturer's written instructions. Connect to equipment operated by detector.
- D. Comply with NFPA 70 and manufacturer's written instructions for grounding of electric-powered motors, controls, and other devices.

### 3.7 GROUNDING AND BONDING

- A. Fence Grounding: Install at maximum intervals of 1500 feet except as follows:
  - 1. Fences within 100 Feet of Buildings, Structures, Walkways, and Roadways: Ground at maximum intervals of 750 feet.
    - a. Gates and Other Fence Openings: Ground fence on each side of opening.
      - 1) Bond metal gates to gate posts.
- B. Protection at Crossings of Overhead Electrical Power Lines: Ground fence at location of crossing and at a maximum distance of 150 feet on each side of crossing.
- C. Grounding Method: At each grounding location, drive a grounding rod vertically until the top is 6 inches below finished grade. Connect rod to fence with No. 6 AWG conductor. Connect conductor to each fence component at the grounding location, including the following:
  - 1. Make grounding connections to each barbed wire strand with wire-to-wire connectors designed for this purpose.
  - 2. Make grounding connections to each barbed tape coil with connectors designed for this purpose.
- D. Bonding Method for Gates: Connect bonding jumper between gate post and gate frame.
- E. Connections: Make connections to minimize possibility of galvanic action or electrolysis. Select connectors, connection hardware, conductors, and connection methods so metals in direct contact will be galvanically compatible.
  - 1. Use electroplated or hot-tin-coated materials to ensure high conductivity and to make contact points closer in order of galvanic series.
  - 2. Make connections with clean, bare metal at points of contact.
  - 3. Coat and seal connections having dissimilar metals with inert material to prevent future penetration of moisture to contact surfaces.

- F. Bonding to Lightning Protection System: If fence terminates at lightning-protected building or structure, ground the fence and bond the fence grounding conductor to lightning protection down conductor or lightning protection grounding conductor complying with NFPA 780.

### 3.8 FIELD QUALITY CONTROL

- A. Grounding-Resistance Testing: Owner will engage a qualified testing agency to perform tests and inspections.
  - 1. Grounding-Resistance Tests: Subject completed grounding system to a megger test at each grounding location. Measure grounding resistance no fewer than two full days after last trace of precipitation, without soil having been moistened by any means other than natural drainage or seepage and without chemical treatment or other artificial means of reducing natural grounding resistance. Perform tests by two-point method according to IEEE 81.
  - 2. Excessive Grounding Resistance: If resistance to grounding exceeds specified value, notify Architect promptly. Include recommendations for reducing grounding resistance and a proposal to accomplish recommended work.
  - 3. Report: Prepare test reports certified by a testing agency of grounding resistance at each test location. Include observations of weather and other phenomena that may affect test results.

### 3.9 ADJUSTING

- A. Gates: Adjust gates to operate smoothly, easily, and quietly, free of binding, warp, excessive deflection, distortion, nonalignment, misplacement, disruption, or malfunction, throughout entire operational range. Confirm that latches and locks engage accurately and securely without forcing or binding.
- B. Automatic Gate Operator: Energize circuits to electrical equipment and devices. Adjust operators, controls, safety devices, and limit switches.
  - 1. Hydraulic Operator: Purge operating system, adjust pressure and fluid levels, and check for leaks.
  - 2. Operational Test: After electrical circuitry has been energized, start units to confirm proper motor rotation and unit operation.
  - 3. Test and adjust controls and safeties. Replace damaged and malfunctioning controls and equipment.
- C. Lubricate hardware, gate operator, and other moving parts.

### 3.10 DEMONSTRATION

- A. Engage a factory-authorized service representative to train Owner's personnel to adjust, operate, and maintain chain-link fences and gates.

**END OF SECTION**

**SUPPLEMENTARY SPECIAL PROVISIONS**

**APPENDICES**

**APPENDIX A**  
**FIRE HYDRANT METER PROGRAM**



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	<b>SUPERSEDES DI 55.27</b>	<b>DATED April 21, 2000</b>

1. **PURPOSE**

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

2. **AUTHORITY**

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

**Reference**

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

3. **DEFINITIONS**

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

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- 3.2 **Temporary Water Use:** Water provided to the customer for no longer than twelve (12) months.
- 3.3 **Backflow Preventor:** A Reduced Pressure Principal Assembly connected to the outlet side of a Fire Hydrant Meter.

4. **POLICY**

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

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

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

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

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

#### 4.7 Relocation of Existing Fire Hydrant Meters

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

#### 4.8 Disconnection of Fire Hydrant Meter

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

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for removal of the meter.

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

5. **EXCEPTIONS**

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

6. **MOBILE METER**

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

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

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

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

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

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

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



<b>CITY OF SAN DIEGO CALIFORNIA DEPARTMENT INSTRUCTIONS</b>	<b>NUMBER DI 55.27</b>	<b>DEPARTMENT Water Department</b>
<b>SUBJECT  FIRE HYDRANT METER PROGRAM (FORMERLY: CONSTRUCTION METER PROGRAM)</b>	<b>PAGE 9 OF 10</b>	<b>EFFECTIVE DATE  October 15, 2002</b>
	<b>SUPERSEDES DI 55.27</b>	<b>DATED April 21, 2000</b>

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.

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

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

**Water Department Director**

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

### **APPENDIX**

**Administering Division:** Customer Support Division

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

**Distribution:** DI Manual Holders



# Application for Fire (EXHIBIT A) Hydrant Meter

(For Office Use Only)

NS REQ	FAC#
DATE	BY

METER SHOP (619) 527-7449

## Meter Information

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

Fire Hydrant Location: (Attach Detailed Map//Thomas Bros. Map Location or Construction drawing.) 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:	
<small>Guarantees Payment of all Charges Resulting from the use of this Meter. Insures that employees of this Organization understand the proper use of Fire Hydrant Meter</small>			

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

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

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

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

**Note:**

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

Date

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

Subject:           Discontinuation of Fire Hydrant Meter Service

Dear Water Department Customer:

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

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

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

Sincerely,

Water Department

**APPENDIX B**

**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 C**  
**SAMPLE CITY INVOICE**



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

**APPENDIX D**

**NOTICE OF EXEMPTION**

**NOTICE OF EXEMPTION**

TO:  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.: S-00687.02.06

PROJECT TITLE: Skyline Fire Station - Temporary Facility

PROJECT LOCATION-SPECIFIC: 7180 Skyline Drive at the intersection of Sychar Road

PROJECT LOCATION-CITY/COUNTY: San Diego/San Diego

DESCRIPTION OF NATURE AND PURPOSE OF THE PROJECT: The temporary facility will replace an abandoned gas station and will include a 1,440 square-foot state approved coach; 1,350 square-foot apparatus structure; and staff parking and other improvements to serve the facility including fencing, concrete driveway, utility connections, new communications, mechanical and electrical equipment.

NAME OF PUBLIC AGENCY APPROVING PROJECT: City of San Diego

NAME OF PERSON OR AGENCY CARRYING OUT PROJECT: City of San Diego, Public Works  
Contact: Rowaida Jadan  
525 B Street, Suite 750 (MS 908A)  
San Diego, CA 92101  
(619) 533-6655

EXEMPT STATUS:

- MINISTERIAL (SEC. 21080(b)(1); 15268);
- DECLARED EMERGENCY (SEC. 21080(b)(3); 15269(a));
- EMERGENCY PROJECT (SEC. 21080(b)(4); 15269 (b)(c))
- CATEGORICAL EXEMPTION: 15303 NEW CONSTRUCTION OR CONVERSION OF SMALL STRUCTURES

REASONS WHY PROJECT IS EXEMPT: The City of San Diego conducted an environmental review which determined that this project meets the categorical exemption criteria set forth in CEQA State Guidelines Section 15303, New Construction or Conversion of Small Structures, which allows for the construction of a limited number small structures and equipment and the exceptions listed in CEQA Section 15300.2 would not apply.

LEAD AGENCY CONTACT PERSON: M. BLAKE

TELEPHONE: 619-446-5375

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

  
\_\_\_\_\_  
SIGNATURE/SENIOR PLANNER

September 25, 2014  
\_\_\_\_\_  
DATE

CHECK ONE:

- SIGNED BY LEAD AGENCY
- SIGNED BY APPLICANT

DATE RECEIVED FOR FILING WITH COUNTY CLERK OR OPR:

**ATTACHMENT F**  
**INTENTIONALLY LEFT BLANK**

1/23/15. CW  
valid



Purchasing and Contracting Department  
Contracting Division  
1200 Third Avenue, Suite 200  
San Diego, CA 92101  
(619) 236-6000

THE CITY OF SAN DIEGO

**FAX TRANSMITTAL**

Date: January 20, 2015

The following 4 pages (including this cover) are intended for:

<b>To:</b>	<b>Estimator</b>	<b>From:</b>	<b>Celia Navarro</b>
<b>Company:</b>	<b>Montgomery Construction</b>	<b>Division:</b>	<b>Contracting Group</b>
<b>Email #</b>	<b><u>cliffordj@montcsi.com</u></b>	<b>FAX #</b>	<b>619-533-3633</b>
<b>Phone #</b>	<b>(619) 578-2538</b>	<b>Phone #</b>	<b>619-533-3431</b>

**RE: Bid # L-15-6374-DBB-2 – Skyline Temporary Fire Station**

**COMMENTS:**

In tabulating the bid results of subject project, we have found that the ESTIMATED TOTAL BASE BID is \$361,970.22 NOT \$361,990.36 as per your bid.

*Clifford K. Montgomery*

Please FAX or Email acknowledgement/concurrence of the correct amount, by 4:00pm today.

*If there are any problems with receiving this FAX transmission (such as missing pages), please contact the Sender at the "From" phone number given above.*

THIS MESSAGE IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHICH IT IS ADDRESSED, AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL AND EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW. RECEIPT BY AN UNINTENDED RECIPIENT DOES NOT CONSTITUTE A WAIVER OF ANY APPLICABLE PRIVILEGE.

If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone, and return the original message to us at the above address via the U.S. Postal Service.

# City of San Diego

CONTRACTOR'S NAME: Montgomery Construction Services, Inc.  
ADDRESS: 7084 Springford Avenue, San Diego, CA 92114  
TELEPHONE NO.: (619) 578-2538 FAX NO.: (619) 546-8482  
CITY CONTACT: Clementina Giordano - Contract Specialist, Email: CGiordano@sandiego.gov  
Phone No. (619) 533-3481, Fax No. (619) 533-3633  
M.Ramirez/BDoringo/ls



## CONTRACT DOCUMENTS

FOR

## SKYLINE TEMPORARY FIRE STATION

VOLUME 2 OF 2

BID NO.: L-15-6374-DBB-2  
SAP NO. (WBS/IO/CC): S-00687  
CLIENT DEPARTMENT: 1912  
COUNCIL DISTRICT: 4  
PROJECT TYPE: BC

**THIS CONTRACT IS SUBJECT TO THE FOLLOWING:**

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

**THIS BIDDING DOCUMENT TO BE SUBMITTED IN ITS ENTIRETY  
REFER TO VOLUME 1 COVER PAGE FOR TIME, DATE, AND LOCATION**

TABLE OF CONTENTS

DESCRIPTION

PAGE NUMBER

Volume 2 - Bidding Documents

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

1. Bid/Proposal.....	3
2. Bid Bond.....	6
3. Non-Collusion Affidavit to be executed by Bidder and Submitted with Bid under 23 USC 112 and PCC 7106.....	7
4. Contractors Certification of Pending Actions.....	8
5. Equal Benefits Ordinance Certification of Compliance.....	9
6. Proposal (Bid).....	10
7. Form AA35 - List of Subcontractors .....	14
8. Form AA40 - Named Equipment/Material Supplier List .....	15

**BIDDING DOCUMENTS**

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**PROPOSAL**

**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.

**IF A SOLE OWNER OR SOLE CONTRACTOR SIGN HERE:**

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

**IF A PARTNERSHIP, SIGN HERE:**

- (1) Name under which business is conducted \_\_\_\_\_



**BIDDING DOCUMENTS**

---

(2) Name of each member of partnership, indicate character of each partner, general or special (limited):

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

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

\_\_\_\_\_

Full Name and Character of partner

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

(4) Place of Business (Street & Number) \_\_\_\_\_

(5) City and State \_\_\_\_\_ Zip Code \_\_\_\_\_

(6) Telephone No. \_\_\_\_\_ Facsimile No. \_\_\_\_\_

(7) Email Address \_\_\_\_\_

**IF A CORPORATION, SIGN HERE:**

(1) Name under which business is conducted Montgomery Construction Services, Inc.

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

Clifford K. Montgomery  
(Signature)

Clifford K. Montgomery  
(Printed Name)

President  
(Title of Officer)

(Impress Corporate Seal Here)

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

(4) Place of Business (Street & Number) 7084 Springford Avenue

(5) City and State San Diego, CA Zip Code 92114

(6) Telephone No. (619) 578-2538 Facsimile No. (619) 546-8482

(7) Email Address cliffordj@montcsi.com

**BIDDING DOCUMENTS**

---

**THE FOLLOWING SECTIONS MUST BE FILLED IN BY ALL PROPOSERS:**

In accordance with the "NOTICE INVITING BIDS", the bidder holds a California State Contractor's license for the following classification(s) to perform the work described in these specifications:

LICENSE CLASSIFICATION    A, B, C-12   

LICENSE NO.   928118                                  EXPIRES   01/31/2015  

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

TAX IDENTIFICATION NUMBER (TIN):   

Email Address:   cliffordj@montcsi.com  

**THIS PROPOSAL MUST BE NOTARIZED BELOW:**

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

Signature *Clifford R. Montgomery*                                Title   President  

SUBSCRIBED AND SWORN TO BEFORE ME, THIS   15th   DAY OF   January  , 2015.

Notary Public in and for the County of   San Diego  , State of   CA  

*Kathy J. Davis*  
(NOTARIAL SEAL)



**CALIFORNIA JURAT WITH AFFIANT STATEMENT**

**GOVERNMENT CODE § 8202**

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

1 \_\_\_\_\_  
 2 \_\_\_\_\_  
 3 \_\_\_\_\_  
 4 \_\_\_\_\_  
 5 \_\_\_\_\_  
 6 \_\_\_\_\_

*Signature of Document Signer No. 1*

*Signature of Document Signer No. 2 (if any)*

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

Subscribed and sworn to (or affirmed) before me  
 on this 15<sup>th</sup> day of January, 2015,  
 by Date Month Year  
 (1) Clifford Kenneth Montgomery

(and (2) \_\_\_\_\_),  
Name(s) of Signer(s)



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

Signature *Kathy J. Davis*  
Signature of Notary Public

*Seal*  
 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: \_\_\_\_\_

**CALIFORNIA JURAT WITH AFFIANT STATEMENT**

**GOVERNMENT CODE § 8202**

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

1 \_\_\_\_\_

2 \_\_\_\_\_

3 \_\_\_\_\_

4 \_\_\_\_\_

5 \_\_\_\_\_

6 \_\_\_\_\_

*Signature of Document Signer No. 1*

*Signature of Document Signer No. 2 (if any)*

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

Subscribed and sworn to (or affirmed) before me  
 on this 15<sup>th</sup> day of January, 2015,  
 by Clifford Kenneth Montgomery  
 (1) Clifford Kenneth Montgomery  
 (and (2) \_\_\_\_\_),  
*Name(s) of Signer(s)*



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

Signature Kathy J. Davis  
*Signature of Notary Public*

*Seal*  
 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: \_\_\_\_\_

**BIDDING DOCUMENTS**

**BID BOND**

KNOW ALL MEN BY THESE PRESENTS,

That Montgomery Construction Services, Inc. as Principal, and  
Hudson 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.

\*Bid amount not to exceed \$500,000.00

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

Skyline Temporary Fire Station project # L-15-6374-DBB-2

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 13th day of January, 20 15

Montgomery Construction Services, Inc. (SEAL)  
(Principal)

Hudson Insurance Company (SEAL)  
(Surety)

By: Clifford K. Montgomery  
(Signature)  
Clifford Montgomery, president

By: [Signature]  
(Signature)  
Canaan Hillery, attorney-in-fact

(SEAL AND NOTARIAL ACKNOWLEDGEMENT OF SURETY)

**SEE ATTACHED ACKNOWLEDGMENT**

**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 Los Angeles )

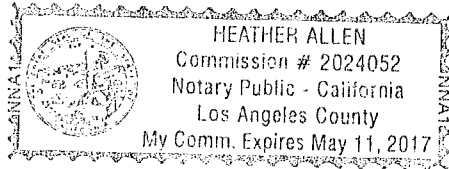
On January 13, 2015 before me, Heather Allen, Notary Public,  
*Date Here Insert Name and Title of the Officer*

personally appeared Canaan Hillery  
*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 Heather Allen  
*Signature of Notary Public*

Place Notary Seal Above

**OPTIONAL**

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

**Description of Attached Document**

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

**Capacity(ies) Claimed by Signer(s)**

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

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



POWER OF ATTORNEY

KNOW ALL MEN BY THESE PRESENTS: That HUDSON INSURANCE COMPANY, a corporation of the State of Delaware, with offices at 100 William Street, New York, New York, 10038, has made, constituted and appointed, and by these presents, does make, constitute and appoint

Canaan Hillery
of the State of CA

its true and lawful Attorney(s)-in-Fact, at New York, New York, each of them alone to have full power to act without the other or others, to make, execute and deliver on its behalf; as Surety, bonds and undertakings given for any and all purposes, also to execute and deliver on its behalf as aforesaid renewals, extensions, agreements, waivers, consents or stipulations relating to such bonds or undertakings provided, however, that no single bond or undertaking shall obligate said Company for any portion of the penal sum thereof in excess of the sum of

Fifty Thousand Dollars (\$50,000.00)

Such bonds and undertakings when duly executed by said Attorney(s)-in-Fact, shall be binding upon said Company as fully and to the same extent as if signed by the President of said Company under its corporate seal attested by its Secretary.

In Witness Whereof, HUDSON INSURANCE COMPANY has caused these presents to be of its Executive Vice President thereunto duly authorized, on this 31st day of October, 2013 at New York, New York.



Dina Daskalakis
Corporate Secretary

[Handwritten signature of Dina Daskalakis]

HUDSON INSURANCE COMPANY

By [Handwritten signature]
Christopher T. Suarez
Executive Vice President

STATE OF NEW YORK
COUNTY OF NEW YORK SS.

On the 31st day of October, 2013 before me personally came Christopher T. Suarez to me known, who being by me duly sworn did depose and say that he is an Executive Vice President of HUDSON INSURANCE COMPANY, the corporation described herein and which executed the above instrument, that he knows the seal of said Corporation, that the seal affixed to said instrument is such corporate seal, that it was so affixed by order of the Board of Directors of said Corporation, and that he signed his name thereto by like order.

(Notarial Seal)



[Handwritten signature of Ann M. Murphy]
ANN M. MURPHY
Notary Public, State of New York
No. 01MU6067553
Qualified in Nassau County
Commission Expires December 10, 2017

STATE OF NEW YORK
COUNTY OF NEW YORK

CERTIFICATION

The undersigned Dina Daskalakis hereby certifies:

That the original resolution, of which the following is a true and correct copy, was duly adopted by unanimous written consent of the Board of Directors of Hudson Insurance Company dated July 27th, 2007, and has not since been revoked, amended or modified:

"RESOLVED, that the President, the Executive Vice Presidents, the Senior Vice Presidents and the Vice Presidents shall have the authority and discretion, to appoint such agent or agents, or attorney or attorneys-in-fact, for the purpose of carrying on this Company's surety business, and to empower such agent or agents, or attorney or attorneys-in-fact, to execute and deliver, under this Company's seal or otherwise, bonds obligations, and recognizances, whether made by this Company as surety thereon or otherwise, indemnity contracts, contracts and certificates, and any and all other contracts and undertakings made in the course of this Company's surety business, and renewals, extensions, agreements, waivers, consents or stipulations regarding undertakings so made; and

FURTHER RESOLVED, that the signature of any such Officer of the Company and the Company's seal may be affixed by facsimile to any power of attorney or certification given for the execution of any bond, undertaking, recognizance, contract of indemnity or other written obligation in the nature thereof or related thereto, such signature and seal when so used whether heretofore or hereafter, being hereby adopted by the Company as the original signature of such officer and the original seal of the Company, to be valid and binding upon the Company with the same force and effect as though manually affixed."

THAT the above and foregoing is a full, true and correct copy of Power of Attorney issued by said Company, and of the whole of the original and that the said Power of Attorney is still in full force and effect and has not been revoked, and furthermore that the Resolution of the Board of Directors, set forth in the said Power of Attorney is now in force.

Witness the hand of the undersigned and the seal of said Corporation this 8th day of January, 2015



Form No. 10 8 2010 (v1)

[Handwritten signature of Dina Daskalakis]
Dina Daskalakis, Corporate Secretary

**BIDDING DOCUMENTS**

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**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 )  
 ) ss.  
County of San Diego )

Clifford K. Montgomery, being first duly sworn, deposes and says that he or she is President of 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.

Signed: Clifford K. Montgomery

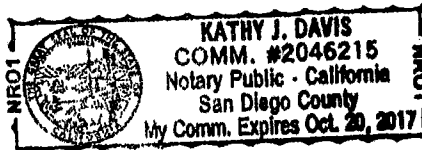
Title: President

Subscribed and sworn to before me this 15th day of January, 2015

Kathy J. Davis

Notary Public

(SEAL)





**BIDDING DOCUMENTS**

**CONTRACTORS CERTIFICATION OF PENDING ACTIONS**

As part of its bid or proposal (Non-Price Proposal in the case of Design-Build contracts), the Bidder shall provide to the City a list of all instances within the past 10 years where a complaint was filed or pending against the Bidder in a legal or administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers, and a description of the status or resolution of that complaint, including any remedial action taken.

CHECK ONE BOX ONLY.

- The undersigned certifies that within the past 10 years the Bidder has NOT been the subject of a complaint or pending action in a legal administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers.
  
- The undersigned certifies that within the past 10 years the Bidder has been the subject of a complaint or pending action in a legal administrative proceeding alleging that Bidder discriminated against its employees, subcontractors, vendors or suppliers. A description of the status or resolution of that complaint, including any remedial action taken and the applicable dates is as follows:

DATE OF CLAIM	LOCATION	DESCRIPTION OF CLAIM	LITIGATION (Y/N)	STATUS	RESOLUTION/REMEDIAL ACTION TAKEN

Contractor Name: Montgomery Construction Services, Inc.

Certified By Clifford K. Montgomery Title President  
Name

*Clifford K. Montgomery* Date 1/15/2015  
Signature

**USE ADDITIONAL FORMS AS NECESSARY**

BIDDING DOCUMENTS

EQUAL BENEFITS ORDINANCE  
CERTIFICATION OF COMPLIANCE



For additional information, contact:  
**CITY OF SAN DIEGO**  
**EQUAL BENEFITS PROGRAM**  
202 C Street, MS 9A, San Diego, CA 92101  
Phone (619) 533-3948 Fax (619) 533-3220

COMPANY INFORMATION

Company Name: Montgomery Construction Services, Inc. Contact Name: Clifford Montgomery  
Company Address: 7084 Springford Avenue., San Diego, CA 92114 Contact Phone: (619) 578-2538  
Contact Email: cliffordj@montcsi.com

CONTRACT INFORMATION

Contract Title: Skyline Temporary Fire Station Start Date:  
Contract Number (if no number, state location): End Date:

SUMMARY OF EQUAL BENEFITS ORDINANCE REQUIREMENTS

The Equal Benefits Ordinance [EBO] requires the City to enter into contracts only with contractors who certify they will provide and maintain equal benefits as defined in SDMC §22.4302 for the duration of the contract. To comply:

- Contractor shall offer equal benefits to employees with spouses and employees with domestic partners.
  - Benefits include health, dental, vision insurance; pension/401(k) plans; bereavement, family, parental leave; discounts, child care; travel/relocation expenses; employee assistance programs; credit union membership; or any other benefit.
  - Any benefit not offer an employee with a spouse, is not required to be offered to an employee with a domestic partner.
- Contractor shall post notice of firm's equal benefits policy in the workplace and notify employees at time of hire and during open enrollment periods.
- Contractor shall allow City access to records, when requested, to confirm compliance with EBO requirements.
- Contractor shall submit *EBO Certification of Compliance*, signed under penalty of perjury, prior to award of contract.

NOTE: This summary is provided for convenience. Full text of the EBO and Rules Implementing the EBO are available at [www.sandiego.gov/administration](http://www.sandiego.gov/administration).

CONTRACTOR EQUAL BENEFITS ORDINANCE CERTIFICATION

Please indicate your firm's compliance status with the EBO. The City may request supporting documentation.

- I affirm **compliance** with the EBO because my firm (*contractor must select one reason*):
  - Provides equal benefits to spouses and domestic partners.
  - Provides no benefits to spouses or domestic partners.
  - Has no employees.
  - Has collective bargaining agreement(s) in place prior to January 1, 2011, that has not been renewed or expired.
- I request the City's approval to pay affected employees a cash equivalent in lieu of equal benefits and verify my firm made a reasonable effort but is not able to provide equal benefits upon contract award. I agree to notify employees of the availability of a cash equivalent for benefits available to spouses but not domestic partners and to continue to make every reasonable effort to extend all available benefits to domestic partners.

It is unlawful for any contractor to knowingly submit any false information to the City regarding equal benefits or cash equivalent associated with the execution, award, amendment, or administration of any contract. [San Diego Municipal Code §22.4307(a)]

Under penalty of perjury under laws of the State of California, I certify the above information is true and correct. I further certify that my firm understands the requirements of the Equal Benefits Ordinance and will provide and maintain equal benefits for the duration of the contract or pay a cash equivalent if authorized by the City.

Clifford K. Montgomery/ President Clifford K. Montgomery 1/15/2015  
Name/Title of Signatory Signature Date

FOR OFFICIAL CITY USE ONLY

Receipt Date: EBO Analyst:  Approved  Not Approved – Reason:

(Rev 02/15/2011)

**BIDDING DOCUMENTS**

**PROPOSAL (BID)**

The Bidder agrees to the construction of **Skyline Temporary Fire Station** for the City of San Diego, in accordance with these contract documents for the prices listed below. 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 to Award of the Contract. 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 e.g., bond and insurance.

Item	Quantity	Unit	NAICS	Payment Reference	Description	Unit Price	Extension
BASE BID							
1	1	LS	238990	9-3.1	Fire Station No. 51 Temporary Facility at 4072 Park Blvd., San Diego CA. 92103		\$ 186,104.52
2	1	LS	238990	9-3.1	Accessible ADA Ramp		\$ 3,153.65
3	1440	SF	238990	301-2.4	6-Inch Decomposed Granite on Native	\$ 7.78	\$ <del>11,199.25</del> <sup>CW</sup> 11,203.20 CW
4	3880	SF	238990	302-6.8	6-Inch Concrete Pavement w/rebar over Class II Aggregate Base	\$ 8.04	\$ <del>31,202.57</del> <sup>CW</sup> 31,195.20 CW
5	1500	SF	238110	303-1.11	6-Inch Concrete Foundation w/rebar on Crush Rock	\$ 33.92	\$ <del>50,879.65</del> <sup>CW</sup> 50,880.00 CW
6	46	SF	238990	302-6.8	12-Inch Concrete Pavement Over Compacted Native	\$ 93.51	\$ <del>4,301.67</del> <sup>CW</sup> 4,301.46 CW
7	9400	SF	238990	302-5.9	3-Inch Asphalt Paving Over 8-Inch Cement Compact Treated Base	\$ 3.71	\$ <del>34,891.86</del> <sup>CW</sup> 34,874.00 CW

**BIDDING DOCUMENTS**

Item	Quantity	Unit	NAICS	Payment Reference	Description	Unit Price	Extension	
8	1	AL	236220	7-5.3	Building Permits: Mechanical, Plumbing and Electrical and Fees Related to Fuel Tank Permit, Including City of San Diego, Water & Sewer Capacities and Connection Fees-Type I		\$6,000.00	
9	1	AL	238210		SDG&E Service Fee, Dry Utilities Connections, Pack Bell, AT&T and Time Warner-Type I		\$2,500.00	
10	1	LS	524126	2-4.1	Bond (Payment and Performance)		\$8,239.32	
11	1	AL		9-3.5	Field Orders - Type II Allowance		\$12,000.00	
12	1	LS	541330	701-13.9.5	Water Pollution Control Program Development		\$ 938.95	
13	1	LS	238990	701-13.9.5	Water Pollution Control Program Implementation		\$ 10,579.92	
<b>ESTIMATED TOTAL BASE BID:</b>							<del>\$ 361,990.36</del>	

00  
\$ 361,970.22 00

**BIDDING DOCUMENTS**

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TOTAL BID PRICE FOR BID (Items 1 through 13 inclusive) amount written in words:

THREE HUNDRED SIXTY ONE THOUSAND NINE HUNDRED NINETY DOLLARS THIRTY SIX CENTS

---

The Bid shall contain an acknowledgment of receipt of all addenda, the numbers of which shall be filled in on the Bid form. If an addendum or addenda has been issued by the City and not noted as being received by the Bidder, this proposal shall be rejected as being **non-responsive**. The following addenda have been received and are acknowledged in this bid: A

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

Clifford K. Montgomery/President, Patricia A. Montgomery/Corporate Secretary

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

Bidder: Montgomery Construction Services, Inc., Clifford K. Montgomery, Patricia A. Montgomery

---

Title: President, Corporate Secretary

---

Business Address: 7084 Springford Avenue, San Diego, CA 92114

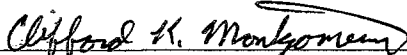
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Place of Business: 7084 Springford Avenue, San Diego, CA 92114

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Place of Residence: 7084 Springford Avenue, San Diego, CA 92114

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Signature: 

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## BIDDING DOCUMENTS

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### NOTES:

- A. The low Bid will be determined by the City based on the Base Bid alone.
- B. After the low Bid has been determined, the City may, at its sole discretion, award the Contract for the Base Bid alone or for the Base Bid plus any combination of alternates.
- C. Prices and notations shall be in ink or typewritten. All corrections (which have been initiated by the Bidder using erasures, strike out, line out, or "white-out") shall be typed or written in with ink adjacent thereto, and shall be initialed in ink by the person signing the bid proposal.
- D. Failure to initial all corrections made in the bidding documents may cause the Bid to be rejected as **non-responsive** and ineligible for further consideration.
- E. Blank spaces must be filled in, using figures. Bidder's failure to submit a price for any Bid item that requires the Bidder to submit a price shall render the Bid **non-responsive** and shall be cause for its rejection.
- F. Unit prices shall be entered for all unit price items. Unit prices shall not exceed two (2) decimal places. If the Unit prices entered exceed two (2) decimal places, the City will only use the first two digits after the decimal points without rounding up or down.
- G. All extensions of the unit prices bid will be subject to verification by the City. In the case of inconsistency or conflict between the product of the Quantity x Unit Price and the Extension, the product shall govern.
- H. In the case of inconsistency or conflict, between the sums of the Extensions with the estimated total Bid, the sum of the Extensions shall govern.
- I. Bids shall not contain any recapitulation of the Work. Conditional Bids will be rejected as being **non-responsive**. Alternative proposals will not be considered unless called for.
- J. Subcontractors' License Number must be filled in. Failure to provide the information specified may deem the bidder **non-responsive**.

**BIDDING DOCUMENTS**

**LIST OF SUBCONTRACTORS**

In accordance with the requirements provided in the "Subletting and Subcontracting Fair Practices Act", Division 2, Part 1, Chapter 4 of the Public Contract Code, the Bidder shall list below the name and address of each Subcontractor who will perform work, labor, render services or specially fabricates and installs a portion [type] of the work or improvement, in an amount in excess of 0.5% of the Contractor's total Bid. The Bidder shall also list below the portion of the work which will be done 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 shall 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 that Bidders are seeking recognition towards achieving any mandatory, voluntary, or both subcontracting participation percentages.

Subcontractors' License Number must be filled in. Failure to provide the information specified may deem the bidder **non-responsive**.

NAME, ADDRESS AND TELEPHONE NUMBER OF SUBCONTRACTOR	CONSTRUCTOR OR DESIGNER	SUBCONTRACTOR LICENSE NUMBER	TYPE OF WORK	DOLLAR VALUE OF SUBCONTRACT (MUST BE FILLED OUT)	MBE, WBE, DBE, DVBE, OBE, ELBE, SLBE, SDB, WoSB, HUBZone, OR SDVOSB	WHERE CERTIFIED Ⓢ	CHECK IF JOINT VENTURE PARTNERSHIP
Name: <u>RAP Engineering, Inc.</u> Address: <u>420 Olive Avenue</u> City: <u>Vista</u> State: <u>CA</u> Zip: <u>92083</u> Phone: <u>(760) 233-2980</u> Email: _____	Constructor	A880956	Paving	\$ 36,754	MBE DBE ELBE SLBE	CALTRANS	
Name: <u>J &amp; B Engineering</u> Address: <u>13670 Danielson St. Suite G</u> City: <u>Poway</u> State: <u>CA</u> Zip: <u>92064</u> Phone: <u>(858) 513-1741</u> Email: <u>jbsurvey@sbcglobal.net</u>	Designer	RCE 29118	Surveying	\$ 6,750	MBE SBE	CALTRANS	

Ⓢ As appropriate, Bidder shall identify Subcontractor as one of the following and shall include a valid proof of certification (except for OBE, SLBE and ELBE):

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

Ⓢ As appropriate, Bidder shall indicate if Subcontractor is certified by:

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

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

**BIDDING DOCUMENTS**

**NAMED EQUIPMENT/MATERIAL SUPPLIER LIST**

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

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

ⓐ As appropriate, Bidder shall identify Vendor/Supplier as one of the following and shall include a valid proof of certification (except for OBE,SLBE and ELBE):

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

ⓑ As appropriate, Bidder shall indicate if Vendor/Supplier is certified by:

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

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



# City of San Diego

**CITY CONTACT:** Clementina Giordano - Contract Specialist, Email: [CGiordano@sandiego.gov](mailto:CGiordano@sandiego.gov)  
Phone No. (619) 533-3481, Fax No. (619) 533-3633



## ADDENDUM "A"

FOR

## SKYLINE TEMPORARY FIRE STATION

BID NO.: \_\_\_\_\_ L-15-6374-DBB-2  
SAP NO. (WBS/IO/CC): \_\_\_\_\_ S-00687  
CLIENT DEPARTMENT: \_\_\_\_\_ 1912  
COUNCIL DISTRICT: \_\_\_\_\_ 4  
PROJECT TYPE: \_\_\_\_\_ BC

---

**BID DUE DATE:**

**1:30 PM  
JANUARY 15, 2015  
CITY OF SAN DIEGO  
PUBLIC WORKS CONTRACTS  
1010 SECOND AVENUE, 14<sup>th</sup> FLOOR, MS 614C  
SAN DIEGO, CA 92101**

**A. CHANGES TO CONTRACT DOCUMENTS**

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

**B. BIDDER'S QUESTIONS**

**Questions pertaining to Scope or Specifications**

**Q1.** Please clarify extent of utility and pad demolition

**A1.** The contractor shall demolish the foundation pad of the existing building.

The contractor shall demolish all other items shown on the plans except for:

- Existing building and utilities within the building.
- The City's As-Needed contractor (Miller Environmental) will cap the utilities at the building foundation.

**Q2.** Please clarify existing facility demolition and abatement Not in Contract

**A2.** The demolition of the existing facility and the abatement is not a part of this contract. This work will be done by others per separate contract prior to the start of construction of the Temporary Fire Station.

**Q3.** Please clarify the 24' x 60' living quarters module will be supplied and installed by others outside of contract we are only to provide hook ups and foundations

**A3.** Contractor is responsible for constructing the utilities up to the modular unit point of connection and for providing AC paving under the modular living quarters unit.

The modular living quarters unit will be delivered, installed, and final utility connections will be completed by others.

**Q4.** Please clarify 30'x45' temporary apparatus shelter to be supplied and installed by this contract. If temporary apparatus shelter procurement exceeds the 45 calendar day allotted for the project, will liquidated damages apply? Once we submit for approval, fabrication and delivery might exceed contract duration.

**A4.** The temporary apparatus shelter is to be supplied by the City.

Contractor is responsible to deliver existing temporary apparatus shelter to the site (the storage location of the temporary apparatus shelter is within 30 miles of the project site). Contractor is responsible to hire qualified installation contractor to install the temporary apparatus shelter.

Liquidated damages will be applied if the project goes beyond the 45 working days allotted.

**Q5.** Temporary apparatus shelter will be under separate permit as stated on Site Plan AS1.0. Will this permit be obtained and paid for by city? Will primary permit be obtained and paid for by city?

**A5.** Contractor is responsible to obtain and pay for all necessary permits to install the approved temporary apparatus shelter.

Contractor is responsible to obtain and pay for primary permit.

**Q6.** Will existing fence around site remain during our project duration? Can we use that as temp fence and exclude installing our own temp fence?

**A6.** The existing fence can be used during the duration of construction.

**Q7.** Please clarify if work is to be completed in 60 working days or 45 working days?

**A7.** Contractor needs to complete work in 45 days.

**Q8.** Well capping is not included in this scope of work?

**A8.** The wells have been capped by Ninyo and Moore and are not part of this project's scope of work.

**A9.** Sheet AS1.1: Are privacy slats required in the fencing, if so where?

**A9.** Privacy slats are required for the entire length of the new fence.

**Q10.** Sheet A1.0: Will the ramp & stairs be supplied with the living quarters?

**A10.** Contractor shall supply and install the required ADA ramp and stairs that meet all requirements.

**Q11.** Sheet AS1.0: Will the living quarters be installed over the new asphalt?

**A11.** The contractor shall install the living quarters module over new asphalt.

**Q12.** Will the gas station foundation, slab, & apron be removed with the building?

**A12.** The contractor is responsible for the removal of the gas station foundation, slab, & apron.

**Q13.** On sheet ASD1.0, who is responsible for note 3,5,6,7,8,9,10,14,15,16,17,18,19.

**A13.** Contractor shall complete items 5, 6, 7, 8, 9, 10, and 15 on sheet ASD1.0 that are part of the scope of work for this project.

The scope of work described with items 3, 14, 16, 17, 18, and 19 on sheet ASD1.0 are **not** to be part of the scope of work for this project.

**Q14.** Does anything need to be done to the existing well heads to accommodate the site improvements?

**A14.** The wells have been capped by Ninyo and Moore and are not part of this project's scope of work.

James Nagelvoort, Director  
Public Works Department

Dated: *January 12, 2015*  
San Diego, California

JN/BD/lis













2013 CALIFORNIA GREEN BUILDING STANDARD CODE

NON-RESIDENTIAL MANDATORY MEASURES

ENVIRONMENTAL QUALITY (CONT.)

PROJ. REQ.	MANDATORY FEATURE OR MEASURE	COMPLIANCE																																																														
X	<p><b>SECTION 5.504.4.1 ADHESIVES, SEALANTS AND CAULKS</b> - ADHESIVES, SEALANTS, AND CAULKS USED ON THE PROJECT SHALL MEET THE REQUIREMENTS OF THE FOLLOWING STANDARDS:</p> <p>1. ADHESIVES, ADHESIVE BONDING PRIMERS, ADHESIVE PRIMERS, SEALANTS, SEALANT PRIMERS AND CAULKS SHALL COMPLY WITH LOCAL OR REGIONAL AIR POLLUTION CONTROL OR AIR QUALITY MANAGEMENT DISTRICT RULES WHERE APPLICABLE, OR SCAGMD RULE 1168 VOC LIMITS, AS SHOWN IN TABLES 5.504.4.1 AND 5.504.4.2. SUCH PRODUCTS ALSO SHALL COMPLY WITH THE RULE 1168 PROHIBITION ON THE USE OF CERTAIN TOXIC COMPOUNDS (CHLOROFORM, ETHYLENE DICHLORIDE, METHYLENE CHLORIDE, PERCHLOROETHYLENE AND TRICHLOROETHYLENE), EXCEPT FOR AEROSOL PRODUCTS AS SPECIFIED IN SUBSECTION 2, BELOW.</p> <p>2. AEROSOL ADHESIVES, AND SMALLER UNIT SIZES OF ADHESIVES, AND SEALANT OR CAULKING COMPOUNDS (IN UNITS OF PRODUCT, LESS PACKAGING, WHICH DO NOT WEIGH MORE THAN ONE POUND AND DO NOT CONSIST OF MORE THAN 16 FLUID OUNCES) SHALL COMPLY WITH STATEWIDE VOC STANDARDS AND OTHER REQUIREMENTS, INCLUDING PROHIBITIONS ON USE OF CERTAIN TOXIC COMPOUNDS, OF CALIFORNIA CODE OF REGULATIONS, TITLE 17, COMMENCING WITH SECTION 94507.</p> <p><b>TABLE 5.504.4.1 ADHESIVE VOC LIMIT</b><sup>1,2</sup> (LESS WATER AND LESS EXEMPT COMPOUND IN GRAMS PER LITER)</p> <table border="1"> <thead> <tr> <th>ARCHITECTURAL APPLICATIONS</th> <th>CURRENT VOC LIMIT</th> </tr> </thead> <tbody> <tr><td>INDOOR CARPET ADHESIVES</td><td>50</td></tr> <tr><td>CARPET PAD ADHESIVES</td><td>50</td></tr> <tr><td>OUTDOOR CARPET ADHESIVES</td><td>150</td></tr> <tr><td>WOOD FLOORING ADHESIVE</td><td>100</td></tr> <tr><td>RUBBER FLOOR ADHESIVES</td><td>60</td></tr> <tr><td>SUB-FLOOR ADHESIVES</td><td>50</td></tr> <tr><td>CERAMIC TILE ADHESIVES</td><td>65</td></tr> <tr><td>VCT AND ASPHALT TILE ADHESIVES</td><td>50</td></tr> <tr><td>DRYWALL AND PANEL ADHESIVES</td><td>50</td></tr> <tr><td>COVE BASE ADHESIVES</td><td>50</td></tr> <tr><td>MULTIPURPOSE CONSTRUCTION ADHESIVES</td><td>70</td></tr> <tr><td>STRUCTURAL GLAZING ADHESIVES</td><td>100</td></tr> <tr><td>SINGLE-PLY ROOF MEMBRANE ADHESIVES</td><td>250</td></tr> <tr><td>OTHER ADHESIVE NOT SPECIFICALLY LISTED</td><td>50</td></tr> </tbody> </table> <table border="1"> <thead> <tr> <th>SPECIALTY APPLICATIONS</th> <th>CURRENT VOC LIMIT</th> </tr> </thead> <tbody> <tr><td>PVC WELDING</td><td>510</td></tr> <tr><td>CPVC WELDING</td><td>490</td></tr> <tr><td>ABS WELDING</td><td>325</td></tr> <tr><td>PLASTIC CEMENT WELDING</td><td>250</td></tr> <tr><td>ADHESIVE PRIMER FOR PLASTIC</td><td>550</td></tr> <tr><td>CONTACT ADHESIVE</td><td>80</td></tr> <tr><td>SPECIAL PURPOSE CONTACT ADHESIVE</td><td>250</td></tr> <tr><td>STRUCTURAL WOOD MEMBER ADHESIVE</td><td>140</td></tr> <tr><td>TOP AND TRIM ADHESIVE</td><td>250</td></tr> </tbody> </table> <table border="1"> <thead> <tr> <th>SUBSTRATE SPECIFIC APPLICATIONS</th> <th>CURRENT VOC LIMIT</th> </tr> </thead> <tbody> <tr><td>METAL TO METAL</td><td>30</td></tr> <tr><td>PLASTIC FOAMS</td><td>50</td></tr> <tr><td>POROUS MATERIAL (EXCEPT WOOD)</td><td>50</td></tr> <tr><td>WOOD</td><td>30</td></tr> <tr><td>FIBERGLASS</td><td>80</td></tr> </tbody> </table> <p>1. IF AN ADHESIVE IS USED TO BOND DISSIMILAR SUBSTRATES TOGETHER THE ADHESIVE WITH THE HIGHEST VOC CONTENT SHALL BE ALLOWED.</p> <p>2. FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THIS TABLE, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168.</p>	ARCHITECTURAL APPLICATIONS	CURRENT VOC LIMIT	INDOOR CARPET ADHESIVES	50	CARPET PAD ADHESIVES	50	OUTDOOR CARPET ADHESIVES	150	WOOD FLOORING ADHESIVE	100	RUBBER FLOOR ADHESIVES	60	SUB-FLOOR ADHESIVES	50	CERAMIC TILE ADHESIVES	65	VCT AND ASPHALT TILE ADHESIVES	50	DRYWALL AND PANEL ADHESIVES	50	COVE BASE ADHESIVES	50	MULTIPURPOSE CONSTRUCTION ADHESIVES	70	STRUCTURAL GLAZING ADHESIVES	100	SINGLE-PLY ROOF MEMBRANE ADHESIVES	250	OTHER ADHESIVE NOT SPECIFICALLY LISTED	50	SPECIALTY APPLICATIONS	CURRENT VOC LIMIT	PVC WELDING	510	CPVC WELDING	490	ABS WELDING	325	PLASTIC CEMENT WELDING	250	ADHESIVE PRIMER FOR PLASTIC	550	CONTACT ADHESIVE	80	SPECIAL PURPOSE CONTACT ADHESIVE	250	STRUCTURAL WOOD MEMBER ADHESIVE	140	TOP AND TRIM ADHESIVE	250	SUBSTRATE SPECIFIC APPLICATIONS	CURRENT VOC LIMIT	METAL TO METAL	30	PLASTIC FOAMS	50	POROUS MATERIAL (EXCEPT WOOD)	50	WOOD	30	FIBERGLASS	80	<p>CONTRACTOR TO USE ADHESIVES, SEALANTS, AND CAULKS THAT CONFORM TO SECTION 5.504.4.1. PRIOR TO PURCHASE AND INSTALLATION THE CONTRACTOR SHALL PROVIDE VERIFICATION OF COMPLIANCE AS REQUESTED BY THE ENFORCING AGENCY OR COMMISSIONING AGENT.</p>
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ZINC-RICH PRIMERS	340																																													
REQUIRE	<p><b>SECTION 5.504.4.3.1 AEROSOL PAINTS AND COATINGS</b> - AEROSOL PAINTS AND COATINGS SHALL MEET THE PVMIR LIMITS FOR ROC IN SECTION 94522(A)(3) AND OTHER REQUIREMENTS, INCLUDING PROHIBITIONS ON USE OF CERTAIN TOXIC COMPOUNDS AND OZONE DEPLETING SUBSTANCES, IN SECTIONS 94522(C)(2) AND (D)(2) OF CALIFORNIA CODE OF REGULATIONS, TITLE 17, COMMENCING WITH SECTION 94520; AND IN AREAS UNDER THE JURISDICTION OF THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT ADDITIONALLY COMPLY WITH THE PERCENT VOC BY WEIGHT OF PRODUCT LIMITS OF REGULATION 8 RULE 49.</p>	<p>CONTRACTOR TO USE AEROSOL PAINTS AND COATINGS THAT CONFORM TO SECTION 5.504.3.1. PRIOR TO PURCHASE AND INSTALLATION THE CONTRACTOR SHALL PROVIDE VERIFICATION OF COMPLIANCE AS REQUESTED BY THE ENFORCING AGENCY OR COMMISSIONING AGENT.</p>																																												
NA	<p><b>5.504.4.4 CARPET SYSTEMS:</b> ALL CARPET INSTALLED IN THE BUILDING INTERIOR SHALL MEET AT LEAST ONE OF THE FOLLOWING TESTING AND PRODUCT REQUIREMENTS:</p> <p>1. CARPET AND RUG INSTITUTE'S GREEN LABEL PLUS PROGRAM; 2. COMPLIANT WITH THE VOC-EMISSION LIMITS AND TESTING REQUIREMENTS SPECIFIED IN THE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH STANDARD METHOD FOR THE TESTING AND EVALUATION OF VOLATILE ORGANIC CHEMICAL EMISSIONS FROM INDOOR SOURCES USING ENVIRONMENTAL CHAMBERS, VERSION 1.1, FEBRUARY 2010 (ALSO KNOWN AS CDPH STANDARD METHOD V1.1 OR SPECIFICATION 01350); 3. NSFANSI 140 AT THE GOLD LEVEL OR HIGHER; 4. SCIENTIFIC CERTIFICATIONS SYSTEMS SUSTAINABLE CHOICE; OR 5. COMPLIANT WITH THE CALIFORNIA COLLABORATIVE FOR HIGH PERFORMANCE SCHOOLS (CA-CHPS) CRITERIA INTERPRETATION FOR EQ 2.2 DATED JULY 2012 AND LISTED IN THE CHPS HIGH PERFORMANCE PRODUCT DATABASE. 5.504.4.1 CARPET CUSHION. ALL CARPET CUSHION INSTALLED IN THE BUILDING INTERIOR SHALL MEET THE REQUIREMENTS OF THE CARPET AND RUG INSTITUTE'S GREEN LABEL PROGRAM.</p> <p>CARPET ADHESIVE. ALL CARPET ADHESIVE SHALL MEET THE REQUIREMENTS OF TABLE 5.504.4.1.</p>	<p>THIS PROJECT SCOPE IS A SHELL BUILDING ONLY. FLOOR FINISHES ARE PART OF TENANT IMPROVEMENT DRAWINGS UNDER A SEPARATE PERMIT.</p>																																												

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T3.2

**PLANS FOR THE CONSTRUCTION OF SKYLINE TEMPORARY FIRE STATION**  
7180 SKYLINE DR. SAN DIEGO, CALIFORNIA 92114  
PARCEL ID. NO. 581-290-11-00

SHEET TITLE <b>CALIFORNIA GREEN BUILDING STANDARD NOTES</b>	SHEET NO. <b>T3.2</b>
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 6 OF 40 SHEETS	WER. <b>S-00687</b>
APPROVED: <i>[Signature]</i> CITY ENGINEER	DATE: 12/19/2014
DESCRIPTION: CAL. GREEN	PROJECT MANAGER: MICHAEL RAMIREZ
	COORDINATOR: 194-1755
	COORDINATOR: 1834-6315
	COORDINATOR: 38317 - 6 D

SKYLINE TEMPORARY FIRE STATION

2013 CALIFORNIA GREEN BUILDING STANDARD CODE

NON-RESIDENTIAL MANDATORY MEASURES

ENVIRONMENTAL QUALITY (CONT.)


PROJ. REQ.	MANDATORY FEATURE OR MEASURE	COMPLIANCE												
X	<p>SECTION 5.504.4.5 COMPOSITE WOOD PRODUCTS: HARDWOOD PLYWOOD, PARTICLE BOARD AND MEDIUM DENSITY FIBERBOARD COMPOSITE WOOD PRODUCTS USED ON THE INTERIOR OR EXTERIOR OF THE BUILDING SHALL MEET THE REQUIREMENTS FOR FORMALDEHYDE AS SPECIFIED IN ARB'S AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD (17 CCR 93120 ET SEQ.), BY OR BEFORE THE DATES SPECIFIED IN THOSE SECTIONS, AS SHOWN IN TABLE 5.504.4.5. VERIFICATION OF COMPLIANCE WITH THIS SECTION SHALL BE PROVIDED AS REQUESTED BY THE ENFORCING AGENCY. DOCUMENTATION SHALL INCLUDE AT LEAST ONE OF THE FOLLOWING:</p> <ol style="list-style-type: none"> <li>1. PRODUCT CERTIFICATIONS AND SPECIFICATIONS</li> <li>2. CHAIN OF CUSTODY CERTIFICATIONS</li> <li>3. PRODUCT LABELED AND INVOICED AS MEETING THE COMPOSITE WOOD PRODUCTS REGULATION (SEE CCR, TITLE 17, SECTION 93120, ET SEQ)</li> <li>4. EXTERIOR GRADE PRODUCTS MARKED AS MEETING THE PS-1 OR PS-2 STANDARDS OF THE ENGINEERED WOOD ASSOCIATION, THE AUSTRALIAN ASINZS 2289 OR EUROPEAN 636 3S STANDARDS</li> <li>5. OTHER METHODS ACCEPTABLE TO THE ENFORCING AGENCY</li> </ol> <p><b>FORMALDEHYDE LIMITS<sup>1</sup></b> MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MILLION.</p> <table border="1"> <thead> <tr> <th>PRODUCT</th> <th>CURRENT LIMIT</th> </tr> </thead> <tbody> <tr> <td>HARDWOOD PLYWOOD VENEER CORE</td> <td>0.05</td> </tr> <tr> <td>HARDWOOD PLYWOOD COMPOSITE CORE</td> <td>0.05</td> </tr> <tr> <td>PARTICLE BOARD</td> <td>0.09</td> </tr> <tr> <td>MEDIUM DENSITY FIBERBOARD</td> <td>0.11</td> </tr> <tr> <td>THIN MEDIUM DENSITY FIBERBOARD<sup>2</sup></td> <td>400</td> </tr> </tbody> </table> <p>1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCORDANCE WITH ASTM E 1333-96 (2002). FOR ADDITIONAL INFORMATION, SEE CALIFORNIA CODE OF REGULATIONS, TITLE 17, SECTIONS 93120 THROUGH 93120.12.</p> <p>2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF EIGHT MILLIMETERS.</p>	PRODUCT	CURRENT LIMIT	HARDWOOD PLYWOOD VENEER CORE	0.05	HARDWOOD PLYWOOD COMPOSITE CORE	0.05	PARTICLE BOARD	0.09	MEDIUM DENSITY FIBERBOARD	0.11	THIN MEDIUM DENSITY FIBERBOARD <sup>2</sup>	400	<p>CONTRACTOR TO USE COMPOSITE WOOD PRODUCTS THAT CONFORM TO SECTION 5.504.4.5. PRIOR TO PURCHASE AND INSTALLATION THE CONTRACTOR SHALL PROVIDE VERIFICATION OF COMPLIANCE AS REQUESTED BY THE ENFORCING AGENCY OR COMMISSIONING AGENT.</p>
PRODUCT	CURRENT LIMIT													
HARDWOOD PLYWOOD VENEER CORE	0.05													
HARDWOOD PLYWOOD COMPOSITE CORE	0.05													
PARTICLE BOARD	0.09													
MEDIUM DENSITY FIBERBOARD	0.11													
THIN MEDIUM DENSITY FIBERBOARD <sup>2</sup>	400													
N.A.	<p><b>5.504.4.6 RESILIENT FLOORING SYSTEMS:</b> FOR 80 PERCENT OF FLOOR AREA RECEIVING RESILIENT FLOORING, INSTALLED RESILIENT FLOORING SHALL MEET AT LEAST ONE OF THE FOLLOWING:</p> <ol style="list-style-type: none"> <li>1. CERTIFIED UNDER THE RESILIENT FLOOR COVERING INSTITUTE (RFCI) FLOORSCORE PROGRAM;</li> <li>2. COMPLIANT WITH THE VOC-EMISSION LIMITS AND TESTING REQUIREMENTS SPECIFIED IN THE CALIFORNIA DEPARTMENT OF PUBLIC HEALTH'S 2010 STANDARD METHOD FOR THE TESTING AND EVALUATION CHAMBERS, VERSION 1.1, FEBRUARY 2010;</li> <li>3. COMPLIANT WITH THE CALIFORNIA COLLABORATIVE FOR HIGH PERFORMANCE SCHOOLS (CA-CHPS) CRITERIA INTERPRETATION FOR EQ 2.2 DATED JULY 2012 AND LISTED IN THE CHPS HIGH PERFORMANCE PRODUCT DATABASE; OR</li> <li>4. COMPLIANT WITH CDPH CRITERIA AS CERTIFIED UNDER THE GREENGUARD CHILDREN'S &amp; SCHOOLS PROGRAM.</li> </ol>	<p>THE PROJECT INCLUDES EXTERIOR BUILDING AND SITE UPGRADES ONLY. INTERIOR FINISHES ARE NOT A PART OF THE PROJECT SCOPE</p>												
N.A.	<p><b>SECTION 5.504.5.3 FILTERS</b> - IN MECHANICALLY VENTILATED BUILDINGS, PROVIDE REGULARLY OCCUPIED AREAS OF THE BUILDING WITH AIR FILTRATION MEDIA FOR OUTSIDE AND RETURN AIR THAT PROVIDES AT LEAST A MINIMUM EFFICIENCY REPORTING VALUE (MERV) OF 8. MERV 8 FILTERS SHALL BE INSTALLED PRIOR TO OCCUPANCY, AND RECOMMENDATIONS FOR MAINTENANCE WITH FILTERS OF THE SAME VALUE SHALL BE INCLUDED IN THE OPERATION AND MAINTENANCE MANUAL. INSTALLED FILTERS SHALL BE CLEARLY LABELED BY THE MANUFACTURER INDICATING THE MERV RATING.</p> <p>EXCEPTIONS: 1. AN ASHRAE 10-PERCENT TO 15-PERCENT EFFICIENCY FILTER SHALL BE PERMITTED FOR AN HVAC UNIT MEETING THE 2013 CALIFORNIA ENERGY CODE HAVING 60,000 BTU/H OR LESS CAPACITY PER TON COIL, IF THE ENERGY USE OF THE AIR DELIVERY SYSTEM IS 0.4 WCFM OR LESS AT DESIGN AIR FLOW.</p> <p>2. EXISTING MECHANICAL EQUIPMENT.</p>	<p>THE PROJECT INCLUDES EXTERIOR BUILDING AND SITE UPGRADES ONLY. BUILDING MECHANICAL SYSTEMS ARE NOT A PART OF THE PROJECT SCOPE</p>												
N.A.	<p><b>5.504.7 ENVIRONMENTAL TOBACCO SMOKE (ETS) CONTROL</b> - WHERE OUTDOOR AREAS ARE PROVIDED FOR SMOKING, PROHIBIT SMOKING WITHIN 25 FEET OF BUILDING ENTRIES, OUTDOOR AIR INTAKES AND OPERABLE WINDOWS AND WITHIN THE BUILDING AS ALREADY PROHIBITED BY OTHER LAWS OR REGULATIONS; OR AS ENFORCED BY ORDINANCES, REGULATIONS OR POLICIES OF ANY CITY, COUNTY, CITY AND COUNTY, CALIFORNIA COMMUNITY COLLEGE, CAMPUS OF THE CALIFORNIA STATE UNIVERSITY, OR CAMPUS OF THE UNIVERSITY OF CALIFORNIA, WHICHEVER ARE MORE STRINGENT. WHEN ORDINANCES, REGULATIONS OR POLICIES ARE NOT IN PLACE, POST SIGNAGE TO INFORM BUILDING OCCUPANTS OF THE PROHIBITIONS.</p>	<p>THERE ARE NO OUTDOOR SMOKING AREAS</p>												
X	<p><b>SECTION 5.505.1 INDOOR MOISTURE CONTROL</b> - BUILDINGS SHALL MEET OR EXCEED THE PROVISIONS OF CALIFORNIA BUILDING CODE, CCR, TITLE 24, PART 2, SECTIONS 1203 (VENTILATION) AND CHAPTER 14 (EXTERIOR WALLS). FOR ADDITIONAL MEASURES NOT APPLICABLE TO LOW-RISE RESIDENTIAL OCCUPANCIES, SEE SECTION 5.407.2 OF THIS CODE.</p>	<p>THE PROJECT INCLUDES EXTERIOR BUILDING AND SITE UPGRADES ONLY. INTERIOR BUILDING AREAS ARE NOT A PART OF THE PROJECT SCOPE</p>												

ENVIRONMENTAL QUALITY (CONT.)

	<p><b>SECTION 5.506.1 OUTSIDE AIR DELIVERY:</b> FOR MECHANICALLY OR NATURALLY VENTILATED SPACES IN BUILDINGS, MEET THE MINIMUM REQUIREMENTS OF SECTION 120.1 (REQUIREMENTS FOR VENTILATION) OF THE 2013 CALIFORNIA ENERGY CODE, OR THE APPLICABLE LOCAL CODE, WHICHEVER IS MORE STRINGENT, AND DIVISION 1, CHAPTER 4 OF CCR, TITLE 8.</p>	<p>THE PROJECT INCLUDES EXTERIOR BUILDING AND SITE UPGRADES ONLY. BUILDING MECHANICAL SYSTEMS ARE NOT A PART OF THE PROJECT SCOPE</p>
	<p><b>SECTION 5.506.2 CARBON DIOXIDE (CO2) MONITORING:</b> FOR BUILDINGS EQUIPPED WITH DEMAND CONTROL VENTILATION, CO2 SENSORS AND VENTILATION CONTROLS SHALL BE SPECIFIED AND INSTALLED IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2013 CALIFORNIA ENERGY CODE, SECTION 120(C)4).</p>	<p>THE PROJECT INCLUDES EXTERIOR BUILDING AND SITE UPGRADES ONLY. BUILDING MECHANICAL SYSTEMS ARE NOT A PART OF THE PROJECT SCOPE</p>
NA	<p><b>SECTION 5.507.4 ACOUSTICAL CONTROL</b> - EMPLOY BUILDING ASSEMBLIES AND COMPONENTS WITH SOUND TRANSMISSION CLASS (STC) VALUES DETERMINED IN ACCORDANCE WITH ASTM E 90 AND ASTM E 413 OR OUTDOOR-INDOOR SOUND TRANSMISSION CLASS (OITC) DETERMINED IN ACCORDANCE WITH ASTM E 1332, USING EITHER THE PRESCRIPTIVE OR PERFORMANCE METHOD IN SECTION 5.507.4.1 OR 5.507.4.2.</p> <p><b>EXCEPTION:</b> BUILDINGS WITH FEW OR NO OCCUPANTS OR WHERE OCCUPANTS ARE NOT LIKELY TO BE AFFECTED BY EXTERIOR NOISE, AS DETERMINED BY THE ENFORCEMENT AUTHORITY, SUCH AS FACTORIES, STADIUMS, STORAGE, ENCLOSED PARKING STRUCTURES AND UTILITY BUILDINGS</p> <p><b>EXCEPTION:</b> FOR PUBLIC SCHOOLS AND COMMUNITY COLLEGES, THE REQUIREMENTS OF THIS SECTION AND ALL SUBSECTIONS APPLY ONLY TO NEW CONSTRUCTION.</p>	<p>THE PROJECT INCLUDES EXTERIOR BUILDING AND SITE UPGRADES ONLY. EXISTING BUILDING ACOUSTICAL CONTROLS ARE NOT A PART OF THE SCOPE OF THE PROJECT</p>
N.A.	<p><b>5.507.4.1 EXTERIOR NOISE TRANSMISSION, PRESCRIPTIVE METHOD:</b> WALL AND ROOF-CEILING ASSEMBLIES EXPOSED TO THE NOISE SOURCE MAKING UP THE BUILDING OR ADDITION ENVELOPE OR ALTERED ENVELOPE SHALL MEET A COMPOSITE STC RATING OF AT LEAST 50 OR A COMPOSITE OITC RATING OF NO LESS THAN 40, WITH EXTERIOR WINDOWS OF A MINIMUM STC OF 40 OR OITC OF 30 IN THE FOLLOWING LOCATIONS:</p> <ol style="list-style-type: none"> <li>1. WITHIN THE 65 CNEL NOISE CONTOUR OF AN AIRPORT. EXCEPTIONS: A. <math>L_{dn}</math> OR CNEL FOR MILITARY AIRPORTS SHALL BE DETERMINED BY THE FACILITY AIR INSTALLATION COMPATIBLE LAND USE ZONE (AICUZ) PLAN. B. <math>L_{dn}</math> OR CNEL FOR OTHER AIRPORTS AND HELIPORTS FOR WHICH A LAND USE PLAN HAS NOT BEEN DEVELOPED SHALL BE DETERMINED BY THE LOCAL GENERAL PLAN NOISE ELEMENT.</li> <li>2. WITHIN THE 65 CNELOR <math>L_{dn}</math> NOISE CONTOUR OF A FREEWAY OR EXPRESSWAY, RAILROAD, INDUSTRIAL SOURCE OR FIXED GUIDEWAY SOURCE AS DETERMINED BY THE NOISE ELEMENT OF THE GENERAL PLAN.</li> </ol> <p>NOISE EXPOSURE WHERE NOISE CONTOURS ARE NOT READILY AVAILABLE. BUILDINGS EXPOSED TO A NOISE LEVEL OF 65 DB LEQ-1-HR DURING ANY HOUR OF OPERATION SHALL HAVE BUILDING, ADDITION OR ALTERATION EXTERIOR WALL AND ROOF-CEILING ASSEMBLIES EXPOSED TO THE NOISE SOURCE MEETING A COMPOSITE STC RATING OF AT LEAST 45 (OR OITC 35), WITH EXTERIOR WINDOWS OF A MINIMUM STC OF 40 (OR OITC 30).</p>	<p>THE PROJECT INCLUDES EXTERIOR BUILDING AND SITE UPGRADES ONLY. EXISTING BUILDING ACOUSTICAL CONTROLS ARE NOT A PART OF THE SCOPE OF THE PROJECT</p>
N.A.	<p><b>SECTION 5.507.4.2 PERFORMANCE METHOD:</b> FOR BUILDINGS LOCATED AS DEFINED IN SECTION A5.507.4.1 OR A5.507.4.1.1, WALL AND ROOF-CEILING ASSEMBLIES EXPOSED TO THE NOISE SOURCE MAKING UP THE BUILDING ENVELOPE SHALL BE CONSTRUCTED TO PROVIDE AN INTERIOR NOISE ENVIRONMENT ATTRIBUTABLE TO EXTERIOR SOURCES THAT DOES NOT EXCEED AN HOURLY EQUIVALENT NOISE LEVEL (LEQ-1HR) OF 50 DBA IN OCCUPIED AREAS DURING ANY HOUR OF OPERATION. AN ACOUSTICAL ANALYSIS DOCUMENTING COMPLYING INTERIOR SOUND LEVELS SHALL BE PREPARED BY PERSONNEL APPROVED BY THE ARCHITECT OR ENGINEER OF RECORD. WALL AND FLOOR-CEILING ASSEMBLIES SEPARATING TENANT SPACES AND TENANT SPACES AND PUBLIC PLACES SHALL HAVE AN STC OF AT LEAST 40.</p>	<p>THE PROJECT INCLUDES EXTERIOR BUILDING AND SITE UPGRADES ONLY. EXISTING BUILDING ACOUSTICAL CONTROLS ARE NOT A PART OF THE SCOPE OF THE PROJECT</p>
N.A.	<p><b>SECTION 5.508 OUTDOOR AIR QUALITY</b> - INSTALL HVAC, REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT THAT DO NOT CONTAIN CFCs. INSTALL HVAC, REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT THAT DO NOT CONTAIN HALONS.</p>	<p>THIS PROJECT SCOPE IS A SHELL BUILDING ONLY. REFRIGERATION AND FIRE SUPPRESSION EQUIPMENT ARE NOT A PART OF THE SCOPE OF THE PROJECT</p>
N.A.	<p><b>5.508.2 REFRIGERANT LEAK REDUCTION:</b> NEW COMMERCIAL REFRIGERATION SYSTEMS SHALL COMPLY WITH THE PROVISIONS OF THIS SECTION WHEN INSTALLED IN RETAIL FOOD STORES 8,000 SQUARE FEET OR MORE CONDITIONED AREA, AND THAT UTILIZE EITHER REFRIGERATED DISPLAY CASES, OR WALK-IN COOLERS OR FREEZERS CONNECTED TO REMOTE COMPRESSOR UNITS OR CONDENSING UNITS. THE LEAK REDUCTION MEASURES APPLY TO REFRIGERATION SYSTEMS CONTAINING HIGH-GLOBAL-WARMING POTENTIAL (HIGH-GWP) REFRIGERANTS WITH A GWP OF 150 OR GREATER. NEW REFRIGERATION SYSTEMS INCLUDE BOTH NEW FACILITIES AND THE REPLACEMENT OF EXISTING REFRIGERATION SYSTEMS IN EXISTING FACILITIES.</p>	<p>THIS PROJECT SCOPE IS A SHELL BUILDING ONLY. REFRIGERATION EQUIPMENT ARE NOT A PART OF THE SCOPE OF THE PROJECT</p>

# NADEL

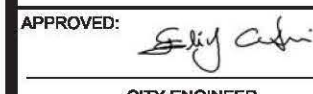
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T3.3

PLANS FOR THE CONSTRUCTION OF  
SKYLINE TEMPORARY FIRE STATION

7180 SKYLINE DR. SAN DIEGO, CALIFORNIA 92114  
PARCEL ID. NO. 581-290-11-00

SHEET TITLE		SHEET NO.	
<b>CALIFORNIA GREEN BUILDING STANDARD NOTES</b>		<b>T3.3</b>	
CITY OF SAN DIEGO, CALIFORNIA <small>ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 7 OF 40 SHEETS</small>		WR. <u>S-00687</u>	
APPROVED: 	12/19/2014	SUBMITTED BY: ROWAIDA JADAN ASSOCIATE ENGINEER	
CITY ENGINEER	DATE	MICHAEL RAMIREZ PROJECT MANAGER	
DESCRIPTION	BY	APPROVED	DATE
CAL. GREEN			
CONTRACTOR	DATE STARTED	194-1755 CC87 COORDINATE	
INSPECTOR	DATE COMPLETED	1834-6315 CC88 COORDINATE	
		38317 - 7 D	

SKYLINE TEMPORARY FIRE STATION



**EROSION AND SEDIMENT CONTROL NOTES**

TEMPORARY EROSION/SEDIMENT CONTROL, PRIOR TO COMPLETION OF FINAL IMPROVEMENTS, SHALL BE PERFORMED BY THE CONTRACTOR OR QUALIFIED PERSON AS INDICATED BELOW:

- ALL REQUIREMENTS OF THE CITY OF SAN DIEGO "LAND DEVELOPMENT MANUAL, STORM WATER STANDARDS" MUST BE INCORPORATED INTO THE DESIGN AND CONSTRUCTION OF THE PROPOSED GRADING/IMPROVEMENTS CONSISTENT WITH THE APPROVED STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND/OR WATER POLLUTION CONTROL PLAN (WPCP) FOR CONSTRUCTION LEVEL BMP'S AND FOR PERMANENT POST CONSTRUCTION TREATMENT CONTROL PERMANENT BMP'S, THE WATER QUALITY TECHNICAL REPORT (WQTR) IF APPLICABLE.
- FOR STORM DRAIN INLETS, PROVIDE A GRAVEL BAG SILT BASIN IMMEDIATELY UPSTREAM OF INLET AS INDICATED ON DETAILS.
- FOR INLETS LOCATED AT SUMPS ADJACENT TO TOP OF SLOPES, THE CONTRACTOR SHALL ENSURE THAT WATER DRAINING TO THE SUMP IS DIRECTED INTO THE INLET AND THAT A MINIMUM OF 1.00' FREEBOARD EXISTS AND IS MAINTAINED ABOVE THE TOP OF THE INLET. IF FREEBOARD IS NOT PROVIDED BY GRADING SHOWN ON THESE PLANS, THE CONTRACTOR SHALL PROVIDE IT VIA TEMPORARY MEASURES, I.E. GRAVEL BAGS OR DIKES.
- THE CONTRACTOR OR QUALIFIED PERSON SHALL BE RESPONSIBLE FOR CLEANUP OF SILT AND MUD ON ADJACENT STREET(S) AND STORM DRAIN SYSTEM DUE TO CONSTRUCTION ACTIVITY.
- THE CONTRACTOR OR QUALIFIED PERSON SHALL CHECK AND MAINTAIN ALL LINED AND UNLINED DITCHES AFTER EACH RAINFALL.
- THE CONTRACTOR SHALL REMOVE SILT AND DEBRIS AFTER EACH MAJOR RAINFALL.
- EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON. ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
- THE CONTRACTOR SHALL RESTORE ALL EROSION/SEDIMENT CONTROL DEVICES TO WORKING ORDER TO THE SATISFACTION OF THE CITY ENGINEER OR RESIDENT ENGINEER AFTER EACH RUN-OFF PRODUCING RAINFALL.
- THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION/SEDIMENT CONTROL MEASURES AS MAY BE REQUIRED BY THE RESIDENT ENGINEER DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES, WHICH MAY ARISE.
- THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A HAZARDOUS CONDITION.
- ALL EROSION/SEDIMENT CONTROL MEASURES PROVIDED PER THE APPROVED GRADING PLAN SHALL BE INCORPORATED HEREON. ALL EROSION/SEDIMENT CONTROL FOR INTERIM CONDITIONS SHALL BE DONE TO THE SATISFACTION OF THE RESIDENT ENGINEER.
- GRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY.
- ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN RAIN IS IMMINENT.
- THE CONTRACTOR SHALL ONLY GRADE, INCLUDING CLEARING AND GRUBBING FOR THE AREAS FOR WHICH THE CONTRACTOR OR QUALIFIED PERSON CAN PROVIDE EROSION/SEDIMENT CONTROL MEASURES.
- THE CONTRACTOR SHALL ARRANGE FOR WEEKLY MEETINGS DURING OCTOBER 1ST TO APRIL 30TH FOR PROJECT TEAM (GENERAL CONTRACTOR, QUALIFIED PERSON, EROSION CONTROL SUBCONTRACTOR IF ANY, ENGINEER OF WORK, OWNER/DEVELOPER AND THE RESIDENT ENGINEER) TO EVALUATE THE ADEQUACY OF THE EROSION/SEDIMENT CONTROL MEASURES AND OTHER RELATED CONSTRUCTION ACTIVITIES.

**STORM WATER QUALITY NOTES - CONSTRUCTION BMP'S**

THIS PROJECT SHALL COMPLY WITH ALL REQUIREMENTS OF THE MUNICIPAL PERMIT ISSUED BY SAN DIEGO REGIONAL WATER QUALITY CONTROL BOARD (SDRWQCB) AND MUNICIPAL STORM WATER NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES) PERMIT ON JANUARY 24, 2007.  
 (HTTP://DOCS.SANDIEGO.GOV/MUNICODE/MUNICODECHAPTER4/CH4/CH4ART02DIVISION02.PDF & STORM WATER AMANUAL  
 HTTP://WWW.SANDIEGO.GOV/DEVELOPMENT-SERVICES/PDF/NEWS/STORMWATERMANUAL.PDF)

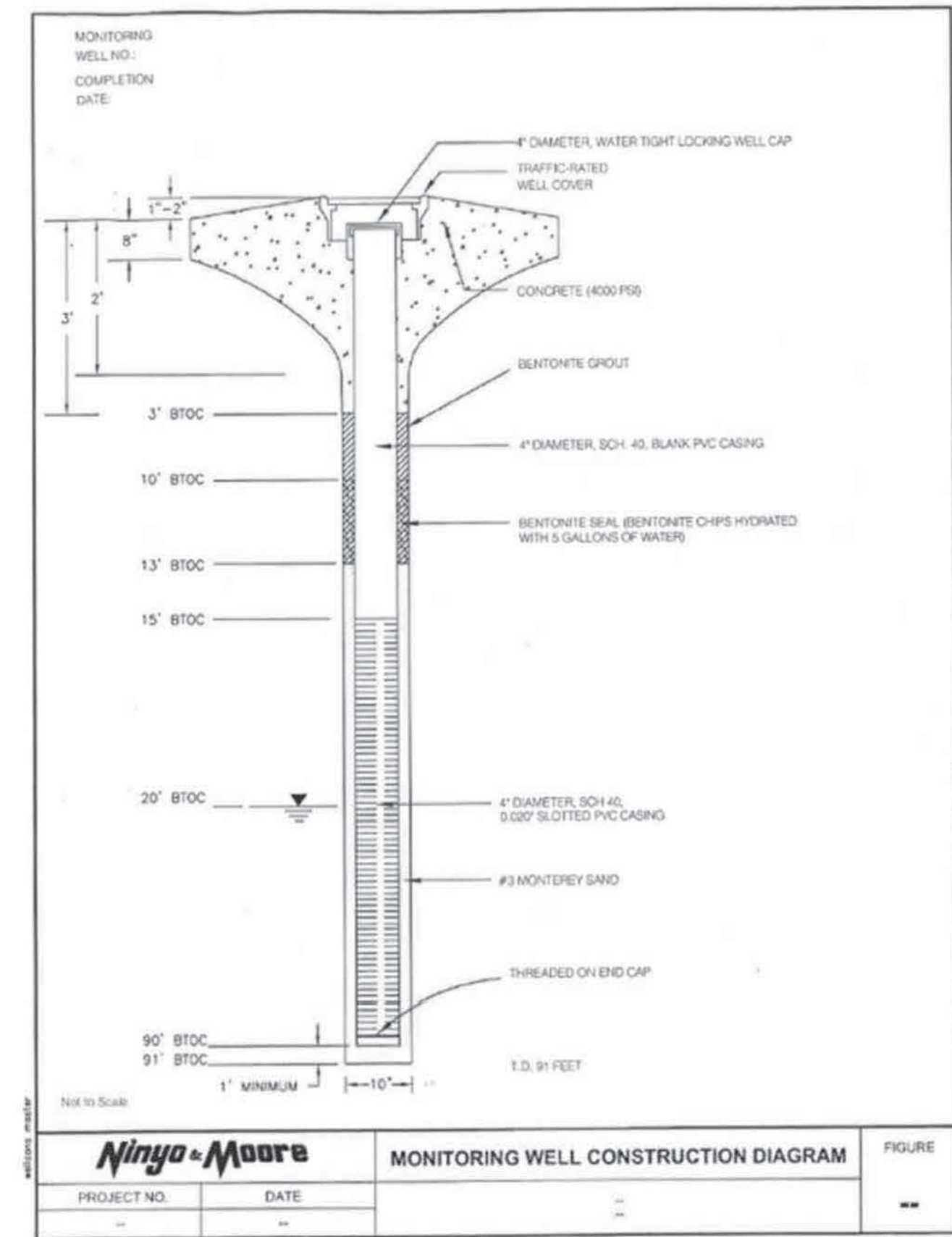
NOTES BELOW REPRESENT KEY MINIMUM REQUIREMENTS FOR CONSTRUCTION BMP'S.

- THE CONTRACTOR SHALL BE RESPONSIBLE FOR CLEANUP OF ALL SILT & MUD ON ADJACENT STREETS, DUE TO CONSTRUCTION VEHICLES OR ANY OTHER CONSTRUCTION ACTIVITY, AT THE END OF EACH WORK DAY, OR AFTER A STORM EVENT THAT CAUSES A BREACH IN INSTALLED CONSTRUCTION BMP'S WHICH MAY COMPROMISE STORM WATER QUALITY WITHIN ANY STREETS. A STABILIZED CONSTRUCTION EXIT MAY BE REQUIRED TO PREVENT CONSTRUCTION VEHICLES OR EQUIPMENT FROM TRACKING MUD OR SILT ONTO THE STREET.
- ALL STOCKPILES OF SOIL AND/OR BUILDING MATERIALS THAT ARE INTENDED TO BE LEFT FOR A PERIOD GREATER THAN 7 CALENDAR DAYS ARE TO BE COVERED. ALL REMOVABLE BMP DEVICES SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN 5 DAY RAIN PROBABILITY FORECAST EXCEEDS 40%.
- A CONCRETE WASHOUT SHALL BE PROVIDED ON ALL PROJECTS WHICH PROPOSE THE CONSTRUCTION OF ANY CONCRETE IMPROVEMENTS WHICH ARE TO BE POURED IN PLACE ON SITE.
- THE CONTRACTOR SHALL RESTORE ALL EROSION/SEDIMENT CONTROL DEVICES TO WORKING ORDER AFTER EACH RUN-OFF PRODUCING RAINFALL OR AFTER ANY MATERIAL BREACH IN EFFECTIVENESS.
- ALL SLOPES THAT ARE CREATED OR DISTURBED BY CONSTRUCTION ACTIVITY MUST BE PROTECTED AGAINST EROSION AND SEDIMENT TRANSPORT AT ALL TIMES.
- THE STORAGE OF ALL CONSTRUCTION MATERIALS AND EQUIPMENT MUST BE PROTECTED AGAINST ANY POTENTIAL RELEASE OF POLLUTANTS INTO THE ENVIRONMENT.

**SPECIAL NOTES**

THE FOLLOWING NOTES ARE PROVIDED TO GIVE DIRECTIONS TO THE CONTRACTOR BY THE ENGINEER OF WORK. THE CITY ENGINEER'S SIGNATURE ON THESE PLANS DOES NOT CONSTITUTE APPROVAL OF ANY OF THESE NOTES, AND THE CITY WILL NOT BE RESPONSIBLE FOR THEIR ENFORCEMENT.

- NEITHER THE OWNER NOR THE ENGINEER OF WORK WILL ENFORCE SAFETY MEASURES OR REGULATIONS. THE CONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN SAFETY DEVICES, INCLUDING SHORING, AND SHALL BE SOLELY RESPONSIBLE FOR SAFETY DEVICES, INCLUDING SHORING, AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.
- CONTRACTOR SHALL MAKE EXPLORATION EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT REVISIONS TO PLANS. IF REVISIONS ARE NECESSARY BECAUSE OF LOCATION OF EXISTING FACILITIES CONTRACTOR SHALL REQUEST INFORMATION BEFORE DOING ANY WORK BY CALLING THE ENGINEER OF WORK.
- BEFORE EXCAVATING FOR THIS CONTRACT, VERIFY LOCATION OF UNDERGROUND UTILITIES. THE EXISTENCE AND LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS HAS BEEN OBTAINED FROM AVAILABLE RECORDS ONLY AND MAY NOT REFLECT ALL EXISTING UTILITIES. LOCATIONS OF ALL EXISTING UTILITIES SHALL BE CONFIRMED BY FIELD MEASUREMENTS BY CONTRACTOR PRIOR TO CONSTRUCTION OF WORK.
- CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT THE UTILITY LINES SHOWN HEREON AND ANY OTHER EXISTING LINES NOT OF RECORD OR SHOWN ON THESE PLANS.
- WHERE TRENCHES ARE ADJACENT TO FUTURE BUILDING SITES, SOILS REPORTS SHALL BE SUBMITTED TO THE ENGINEER OF WORK BY A QUALIFIED SOILS ENGINEER WHICH CERTIFY THAT ALL TRENCH BACKFILL SHALL BE COMPACTED PER RECOMMENDATIONS IN THE GEOTECHNICAL REPORT FOR THE PROJECT.
- SAFETY FENCES SHALL BE PROVIDED BY THE CONTRACTOR WHERE REQUIRED BY THE CITY ENGINEER.
- DURING ACTIVE CONSTRUCTION, AREAS SHALL BE WATERED TO REDUCE FUGITIVE DUST.
- CONTRACTOR TO ADJUST ALL PROPOSED AND EXISTING FACILITIES TO GRADE.
- CONTRACTOR TO REMOVE/REPLACE/RELOCATE ALL EXISTING FACILITIES REQUIRED TO INSTALL PROPOSED IMPROVEMENTS.
- CONTRACTOR TO REMOVE/REPLACE/RELOCATE ANY LANDSCAPING/HARDSCAPING WHICH CONFLICTS IN ANY WAY WITH THE INSTALLATION OR PROPER FUNCTIONING OF THE PROPOSED IMPROVEMENTS.
- ALL PROPOSED STORM DRAIN FACILITIES ARE PRIVATE UNLESS OTHERWISE NOTED.
- REFER TO ARCHITECT'S PLAN FOR HARDSCAPE LAYOUT & SPECIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE QUANTITIES SHOWN HEREON AND BALANCING THE EARTHWORK ONSITE. IF THE SITE CANNOT BE BALANCED THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY AND ALL IMPORT OR EXPORT OF MATERIALS. ALL ADJUSTMENTS MUST BE PRESENTED TO ENGINEER OF WORK WITH ADEQUATE TIME FOR REVISIONS PRIOR TO CONSTRUCTION. ONLY IN SUCH CASES AS REQUESTED BY THE CONTRACTOR SHALL THE ENGINEER OF WORK PROVIDE AREAS OF ELEVATION ADJUSTMENTS TO THE APPROVED PLANS AT THE LIABILITY OF THE CONTRACTOR.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO INSURE THAT THAT ALL SLOPES ARE BUILT IN ACCORDANCE WITH THESE PLANS. IF THERE IS ANY QUESTION REGARDING THESE PLANS OR FIELD STAKES, THE CONTRACTOR SHALL REQUEST AN INTERPRETATION BEFORE DOING ANY WORK BY CALLING THE ENGINEER OF WORK.
- THE CONTRACTOR SHALL UNCOVER ALL UTILITIES THAT MAY BE JOINED, CROSSED, OR PARALLELED TO VERIFY BOTH HORIZONTAL AND VERTICAL LOCATION PRIOR TO ANY CONSTRUCTION. ANY CONFLICT OR DISCREPANCY SHALL BE BROUGHT TO THE ENGINEER'S ATTENTION PRIOR TO CONSTRUCTION. OTHERWISE THE CONTRACTOR ACCEPTS FULL RESPONSIBILITY FOR ANY ADDITIONAL CONSTRUCTION OR RELOCATION COSTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATION, MAINTAINING, RELOCATION, AND/OR REMOVAL OF EXISTING UTILITIES.
- THE CONTRACTOR SHALL REPLACE ALL DESTROYED OR DAMAGED SURFACE IMPROVEMENT WITH IMPROVEMENT EQUAL OR SUPERIOR.
- SURVEY MONUMENTS SHALL BE PRESERVED & REFERENCED BEFORE CONSTRUCTION & REPLACED AFTER CONSTRUCTION PURSUANT TO SECTION 8771 OF THE BUSINESS AND PROFESSIONAL CODE.
- CONTRACTOR SHALL NOTIFY THE SAN DIEGO GAS & ELECTRIC COMPANY PRIOR TO STARTING WORK NEAR COMPANY FACILITIES AND SHALL COORDINATE HIS WORK WITH COMPANY REPRESENTATIVES.
- CONTRACTOR SHALL NOTIFY THE TELEPHONE COMPANY PRIOR TO STARTING WORK NEAR COMPANY FACILITIES AND SHALL COORDINATE HIS WORK WITH COMPANY REPRESENTATIVES.
- BEFORE EXCAVATING FOR THIS CONTRACT, VERIFY LOCATION OF UNDERGROUND FACILITIES. THE CONTRACTOR SHALL TELEPHONE SAN DIEGO GAS & ELECTRIC COMPANY 811 FOR TELEPHONE FACILITIES (800) 422-4133 (DIG ALERT)
- CONTRACTOR SHALL COORDINATE HIS WORK WITH THAT OF OTHER CONTRACTORS WORKING ON THE SITE, INCLUDING GRADING, DRAINAGE, LANDSCAPING AND IRRIGATION. CONTRACTOR SHALL BE RESPONSIBLE FOR MEANS AND METHODS OF CONSTRUCTION.
- 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 REQUIREMENT SHALL BE MADE TO APPLY, INDEMNIFY AND HOLD CITY OF SAN DIEGO HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OR WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF CITY OF SAN DIEGO PERSONNEL.
- GRADING QUANTITIES ARE GEOMETRIC ESTIMATES FOR PERMIT PURPOSES ONLY AND ARE NOT TO BE USED FOR BID OR FINAL PAY QUANTITIES. CONTRACTORS SHALL BE REQUIRED TO CREATE A FINAL EARTHWORK PRIOR TO ANY ONSITE CONSTRUCTION. THIS EARTHWORK SHALL ACCOUNT FOR SUBSIDENCE, SHRINKAGE, UNDERCUTS, PROJECTS PHASING, SEQUENCING, OVER-EXCAVATION AND ET CETERA. SHOULD ANY DISCREPANCY ARISE THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF WORK IMMEDIATELY.
- CONTRACTOR SHALL MEET THE INTENT OF THESE PLANS. IF GRADE STAKES CONFLICT WITH INTENT OF THE PLANS, CONTRACTOR SHALL NOTIFY ENGINEER OF WORK PRIOR TO WORK BEING PERFORMED.



C-2

**PLANS FOR THE CONSTRUCTION OF SKYLINE TEMPORARY FIRE STATION NOTES SHEET**

TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH _____ MEDIUM _____ LOW _____ X _____	SPEC. NO.	CITY OF SAN DIEGO, CALIFORNIA PUBLIC WORKS DEPARTMENT SHEET 9 OF 40 SHEETS	WBS 5-00687			
CONSULTANT		FOR CITY ENGINEER ELIP CETIN	DATE 12/19/2014			
		SUBMITTED BY: ROWAIDA JADAN PROJECT MANAGER				
 5620 FRIARS ROAD SAN DIEGO, CA 92110 619.291.0707 (FAX) 619.291.4165 rickengineering.com San Diego      Riverside - Orange - San Luis Obispo - Bakersfield - Sacramento - Phoenix - Tucson		DESCRIPTION	BY	APPROVED	DATE	FILED
		ORIGINAL	REC			
		CONTRACTOR		DATE STARTED	38317- 9 D	
		INSPECTOR		DATE COMPLETED		

CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

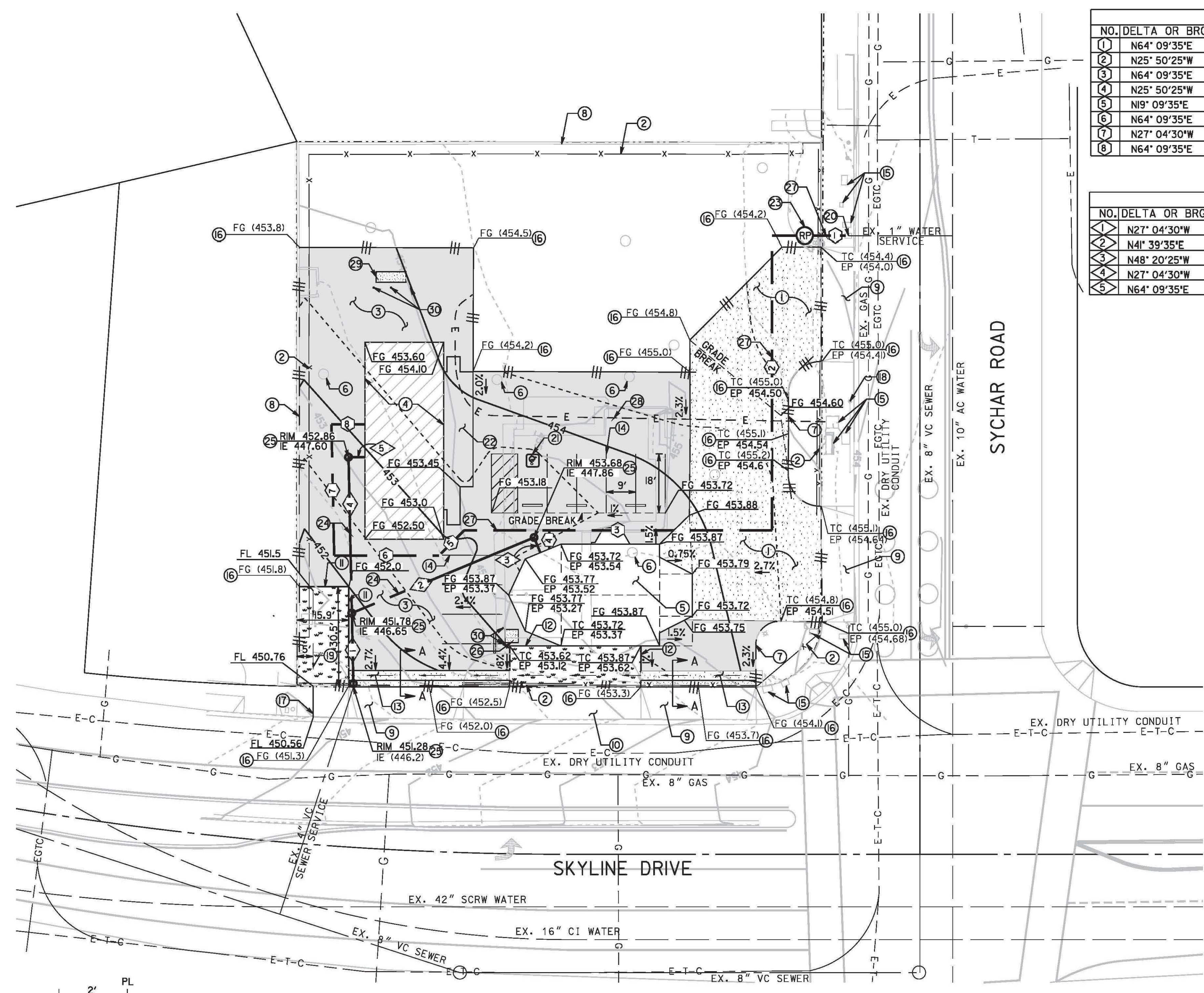
**WARNING**

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

**CITY OF SAN DIEGO  
PUBLIC WORKS PROJECT**



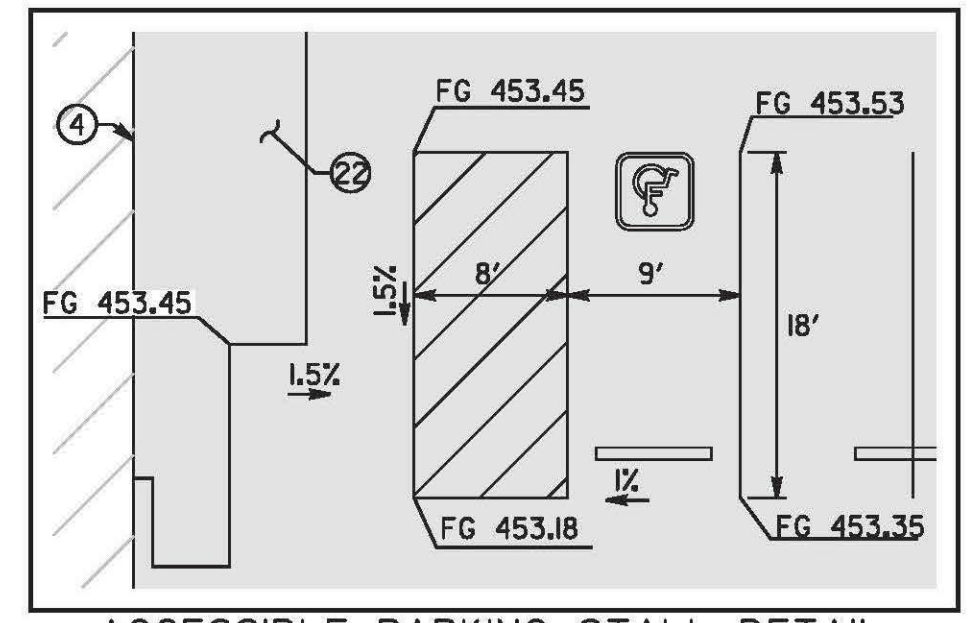


WATER DATA				
NO.	DELTA OR BRG.	RADIUS	LENGTH	REMARKS
1	N64° 09'35"E		22.31'	1" SCH 40 PVC
2	N25° 50'25"W		89.54'	1" SCH 40 PVC
3	N64° 09'35"E		93.85'	1" SCH 40 PVC
4	N25° 50'25"W		5.70'	1" SCH 40 PVC
5	N19° 09'35"E		10.97'	1" SCH 40 PVC
6	N64° 09'35"E		31.89'	1" SCH 40 PVC
7	N27° 04'30"W		40.01'	1" SCH 40 PVC
8	N64° 09'35"E		10.22'	1" SCH 40 PVC

SEWER DATA				
NO.	DELTA OR BRG.	RADIUS	LENGTH	REMARKS
1	N27° 04'30"W		22.51'	4" SDR-35 PVC
2	N41° 39'35"E		60.15'	4" SDR-35 PVC
3	N48° 20'25"W		5.00'	4" SDR-35 PVC
4	N27° 04'30"W		47.50'	4" SDR-35 PVC
5	N64° 09'35"E		5.00'	4" SDR-35 PVC

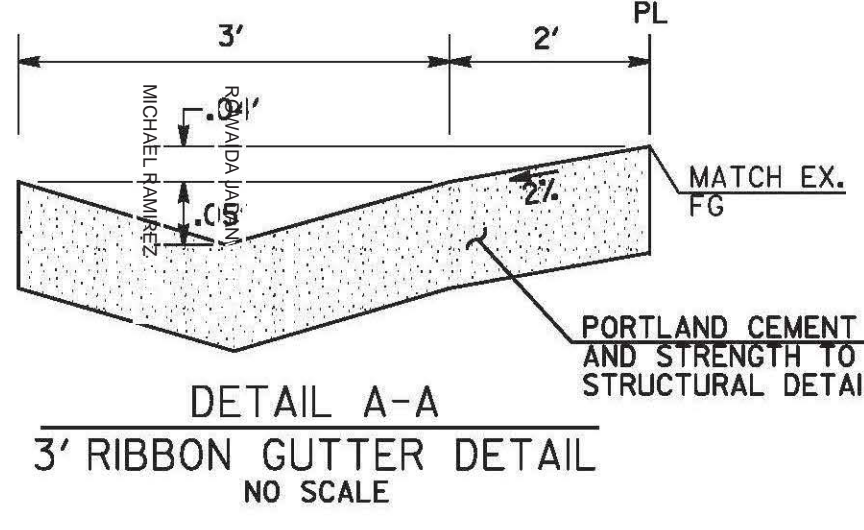
**CONSTRUCTION NOTES**

- 1 PROPOSED CONCRETE PAVING. SEE STRUCTURAL SHEETS FOR PAVING SECTION.
- 2 PROPOSED 6' TALL SECURITY FENCE PER ARCHITECTURAL DRAWINGS.
- 3 PROPOSED ASPHALT PAVING. SEE STRUCTURAL SHEETS FOR PAVING SECTION.
- 4 PROPOSED LIVING MODULAR UNIT WITH STATE APPROVED FOUNDATION AND RAMP PROVIDED BY OTHERS. CONTRACTOR SHALL PLACE.
- 5 PROPOSED TEMPORARY APPARATUS STRUCTURE FOUNDATION PER STRUCTURAL PLANS.
- 6 EXISTING WELLHEAD TO BE REPAIRED/CAPPED PER DETAIL ON SHEET 2.
- 7 PROTECT EXISTING CURB IN PLACE.
- 8 PROTECT EXISTING WALL IN PLACE.
- 9 PROTECT EXISTING DRIVEWAY IN PLACE.
- 10 PROTECT EXISTING SIDEWALK IN PLACE.
- 11 PROPOSED MOW CURB PER SDL-103.
- 12 PROPOSED CURB PER SDG-150, HEIGHT VARIES PER PLAN.
- 13 PROPOSED 3' RIBBON GUTTER PER DETAIL A-A.
- 14 PROPOSED PARKING STALL STRIPING.
- 15 PROTECT EXISTING DRY UTILITY FACILITY.
- 16 MATCH EXISTING ELEVATION.
- 17 3" SIDEWALK UNDERDRAIN PIPE PER D-27.
- 18 PROTECT EXISTING LIGHT/POWER POLE IN PLACE.
- 19 VEGETATED SWALE.
- 20 PROPOSED WATER LATERAL CONNECTION AT EXISTING 1" WATER METER.
- 21 ACCESSIBLE PARKING STALL PER DETAIL THIS SHEET AND ARCHITECTURAL PLANS.
- 22 ACCESSIBLE RAMP PER ARCHITECTURAL DRAWINGS.
- 23 PROPOSED 1" BACKFLOW PREVENTER PER SDW-155.
- 24 PROPOSED 4" SDR-35 PVC SEWER (2% MIN).
- 25 PROPOSED SEWER CLEANOUT PER SC-01.
- 26 PROPOSED APPARATUS EXHUAUST PER ARCHITECTURAL PLANS.
- 27 PROPOSED 1" SCH 40 PVC WATER SERVICE, 3' MINIMUM COVER OVER PIPE, TRENCH BACKFILL PER SDW-107.
- 28 PROPOSED ELECTRICAL SERVICE PER ELECTRICAL SITE PLAN.
- 29 PROPOSED GENERATOR PAD PER ARCHITECTURAL PLANS.
- 30 PROPOSED 4" DIAMETER BOLLARD PER ARCHITECTURAL PLANS.



ACCESSIBLE PARKING STALL DETAIL  
NO SCALE

C-3



DETAIL A-A  
3' RIBBON GUTTER DETAIL  
NO SCALE

CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

**WARNING**

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

**CITY OF SAN DIEGO  
PUBLIC WORKS PROJECT**



TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH \_\_\_\_\_ MEDIUM \_\_\_\_\_ LOW\_X\_

**CONSULTANT**

**RICK ENGINEERING COMPANY**

5620 FRIARS ROAD  
SAN DIEGO, CA 92110  
619.291.0707  
(FAX) 619.291.4165

San Diego Riverside - Orange - San Luis Obispo - Bakersfield - Sacramento - Phoenix - Tucson

J-17208A



**PLANS FOR THE CONSTRUCTION OF  
SKYLINE TEMPORARY FIRE STATION  
GRADING SHEET**

CITY OF SAN DIEGO, CALIFORNIA  
PUBLIC WORKS DEPARTMENT  
SHEET 10 OF 40 SHEETS

DATE: 12/19/2014

FOR CITY ENGINEER: ELIF CETIN

FOR CITY ENGINEER: MICHAEL RAMIREZ

CONTRACTOR: \_\_\_\_\_ DATE STARTED: \_\_\_\_\_  
INSPECTOR: \_\_\_\_\_ DATE COMPLETED: \_\_\_\_\_

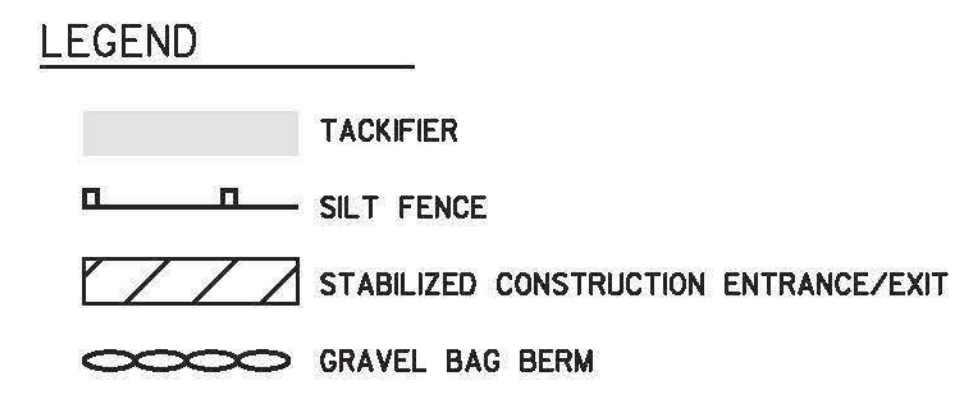
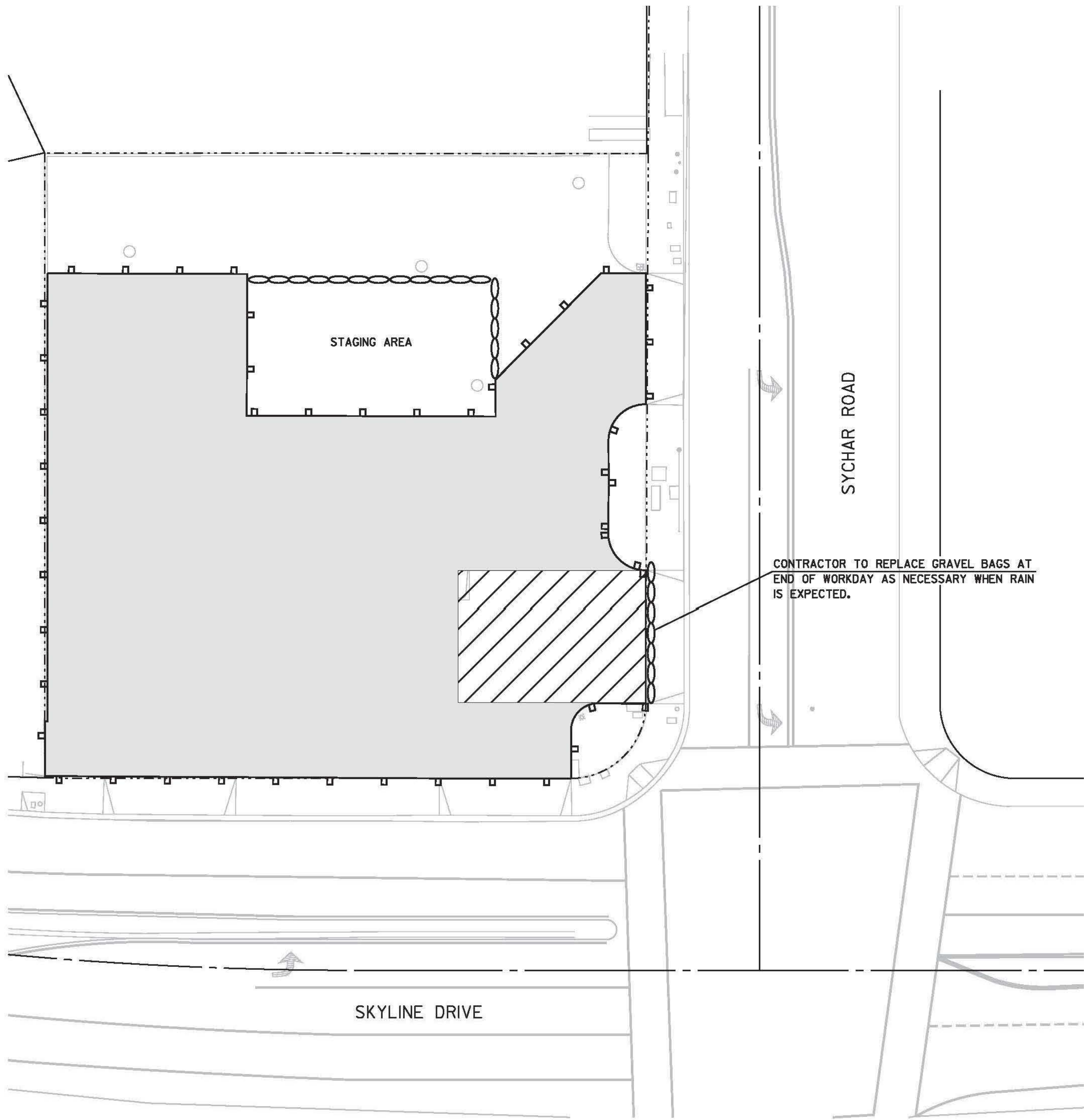
WBS: S-00687

SUBMITTED BY: ROWAIDA JADAN  
PROJECT MANAGER

PROJECT ENGINEER: MICHAEL RAMIREZ

194-1755  
1834-6315

38317-10D



City of San Diego  
Development Services  
1222 First Ave., MS-302  
San Diego, CA 92101  
(619) 446-5000

**Storm Water Requirements Applicability Checklist** FORM DS-560 JANUARY 2011

Project Address: **7180 SKYLINE DRIVE** Project Number (for City Use Only):

**SECTION 1. Permanent Storm Water BMP Requirements:**  
Additional information for determining the requirements is found in the Storm Water Standards Manual.

**Part A: Determine if Exempt from Permanent Storm Water BMP Requirements.**  
Projects that are considered maintenance, or are otherwise not categorized as "development projects" or "redevelopment projects" according to the Storm Water Standards Manual are not required to install permanent storm water BMPs. If "Yes" is checked for any line in Part A, proceed to Part C and check the box labeled "Exempt Project." If "No" is checked for all of the lines, continue to Part B.

- The project is not a Development Project as defined in the Storm Water Standards Manual; for example habitat restoration projects, and construction inside an existing building.  Yes  No
- The project is only the construction of underground or overhead linear utilities.  Yes  No
- The project qualifies as routine maintenance (replaces or renews existing surface materials because of failed or deteriorating condition). This includes roof replacement, pavement spot repairs and resurfacing treatments such as asphalt overlay or slurry seal, and replacement of damaged pavement.  Yes  No
- The project only installs sidewalks, bike lanes, or pedestrian ramps on an existing road, and does not change sheet flow condition to a concentrated flow condition.  Yes  No

**Part B: Determine if Subject to Priority Development Project Requirements.**  
Projects that match one of the definitions below are subject to additional requirements including preparation of a Water Quality Technical Report. If "Yes" is checked for any line in Part B, proceed to Part C and check the box labeled "Priority Development Project." If "No" is checked for all of the lines, continue to Part C and check the box labeled "Standard Development Project."

- Residential development of 10 or more units.  Yes  No
- Commercial development and similar non-residential development greater than one acre. Hospitals, laboratories and other medical facilities; educational institutions; recreational facilities; municipal facilities; commercial nurseries; multi-apartment buildings; car wash facilities; mini-malls and other business complexes; shopping malls; hotels; office buildings; public warehouses; automotive dealerships; and other light industrial facilities.  Yes  No
- Heavy industrial development greater than one acre. Manufacturing plants, food processing plants, metal working facilities, printing plants, and fleet storage areas.  Yes  No
- Automotive repair shop. Facilities categorized in any one of Standard Industrial Classification (SIC) codes 5013, 5014, 5541, 7532-7534, or 7538-7539.  Yes  No
- Restaurant. Facilities that sell prepared foods and drinks for consumption, including stationary lunch counters and refreshment stands selling prepared foods and drinks for immediate consumption (SIC code 5812), and where the land area for development is greater than 5,000 square feet.  Yes  No
- Hillside development greater than 5,000 square feet. Development that creates 5,000 square feet of impervious surface and is located in an area with known erodible soil conditions and where the development will grade on any natural slope that is twenty-five percent or greater.  Yes  No
- Water Quality Sensitive Area. Development located within, directly adjacent to, or discharging directly to a Water Quality Sensitive Area (as depicted in Appendix C) in which the project either creates 2,500 square feet of impervious surface on a proposed project site or increases the area of imperviousness of a proposed project site to 10% or more of its naturally occurring condition. "Directly adjacent" is defined as being situated within 200 feet of the Water Quality Sensitive Area. "Discharging directly to" is defined as outflow from a drainage conveyance system that is composed entirely of flows from the subject development or redevelopment site, and not commingled with flows from adjacent lands.  Yes  No
- Parking lot with a minimum area of 6,000 square feet or a minimum of 16 parking spaces and potential exposure to urban runoff (unless it meets the exclusion for parking lot reconfiguration on line 11).  Yes  No

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Page 2 of 2 City of San Diego • Development Services Department • Storm Water Requirements Applicability Checklist

- Streets, road, highway, or freeway. New paved surface in excess of 5,000 square feet used for the transportation of automobiles, trucks, motorcycles, and other vehicles (unless it meets the exclusion for road reconfiguration on line 11).  Yes  No
- Retail Gasoline Outlet (RGO) that is: (a) 5,000 square feet or more or (b) has a projected Average Daily Traffic (ADT) of 100 or more vehicles per day.  Yes  No
- Significant Redevelopment; project installs and/or replaces 5,000 square feet or more of impervious surface and the existing site meets at least one of the categories above. The project is not considered Significant Redevelopment if reconfiguring an existing road or parking lot without a change to the footprint of an existing developed road or parking lot. The existing footprint is defined as the outside curb or the outside edge of pavement when there is no curb.  Yes  No
- Other Pollutant Generating Project. Any other project not covered in the categories above, that disturbs one acre or more and is not excluded by the criteria below.  Yes  No

Projects creating less than 5,000 of impervious surface and where added landscaping does not require regular use of pesticides and fertilizers, such as slope stabilization using native plants. Calculation of the square footage of impervious surface need not include linear pathways that are for infrequent vehicle use, such as emergency maintenance access or bicycle pedestrian use, if they are built with pervious surfaces or if they shed flow to surrounding pervious surfaces.

**Part C: Select the appropriate category based on the outcome of Parts A & B.**

- If "Yes" is checked for any line in Part A, then check this box. Continue to Section 2.  Exempt Project
- If "No" is checked for all lines in Part A, and Part B, then check this box.  Standard Development Project
- If "No" is checked for all lines in Part A, and "Yes" is checked for at least one of the lines in Part B, then check this box. Continue to Section 2. See the Storm Water Standards Manual for guidance on determining if Hydromodification Management Plan requirements apply.  Priority Development Project

**SECTION 2. Construction Storm Water BMP Requirements:**  
For all projects, complete Part D. If "Yes" is checked for any line in Part D, then continue to Part E.

**Part D: Determine Construction Phase Storm Water Requirements.**

- Is the project subject to California's Statewide General NPDES Permit for Storm Water Discharges Associated with Construction Activities? (See State Water Resources Control Board Order No. 2009-0008-DWQ for rules on enrollment).  Yes  No
- Does the project propose grading or soil disturbance?  Yes  No
- Would storm water or urban runoff have the potential to contact any portion of the construction area, including washing and staging areas?  Yes  No
- Would the project use any construction materials that could negatively affect water quality if discharged from the site (such as, paints, solvents, concrete, and stucco)?  Yes  No
- Check this box if "Yes" is checked for line 1. Continue to Part E.  SWPPP Required
- Check this box if "Yes" is checked for line 1, and "Yes" is checked for any line 2-4. Continue to Part E.  WPCP Required
- Check this box if "No" is checked for all lines 1-4. Part E does not apply.  No Document Required

**Part E: Determine Construction Site Priority**  
This prioritization must be completed with this form, noted on the plans, and included in the SWPPP or WPCP. The City reserves the right to adjust the priority of the projects both before and during construction. (Note: This construction priority does NOT change construction BMP requirements that apply to projects; rather, it determines the frequency of inspections that will be conducted by City staff.)

- High Priority
  - Projects where the site is 50 acres or more and grading will occur during the wet season
  - Projects 1 acre or more and tributary to an impaired water body for sediment (e.g., Palmsquitos watershed)
  - Projects 1 acre or more within or directly adjacent to or discharging directly to a coastal lagoon or other receiving water within a Water Quality Sensitive Area.
  - Projects subject to phased grading or advanced treatment requirements.
- Medium Priority. Projects 1 acre or more but not subject to a high priority designation.
- Low Priority. Projects requiring a Water Pollution Control Plan but not subject to a medium or high priority designation.

Name of Owner or Agent (Please Print): *City of San Diego* Title: *Associate Engineer - Civil*  
Signature: *Rovagnola, Heather* Date: *August 19, 2014*

SKYLINE TEMPORARY FIRE STATION

CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

**WARNING**

0 1

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**CITY OF SAN DIEGO**  
**PUBLIC WORKS PROJECT**



TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH \_\_\_\_\_ MEDIUM \_\_\_\_\_ LOW \_\_\_\_\_ X \_\_\_\_\_

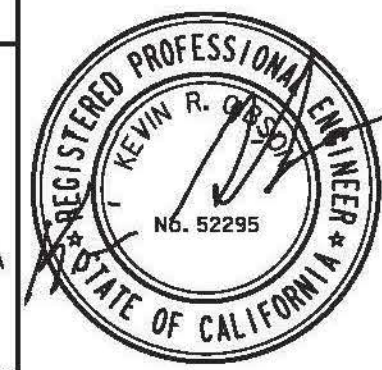
CONSULTANT

**RICK**  
ENGINEERING COMPANY

5620 FRIARS ROAD  
SAN DIEGO, CA 92110  
619.291.0707  
(FAX) 619.291.4165

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J-17208A



C-4

**PLANS FOR THE CONSTRUCTION OF SKYLINE TEMPORARY FIRE STATION EROSION CONTROL SHEET**

CITY OF SAN DIEGO, CALIFORNIA  
PUBLIC WORKS DEPARTMENT  
SHEET II OF 40 SHEETS

WBS S-00687

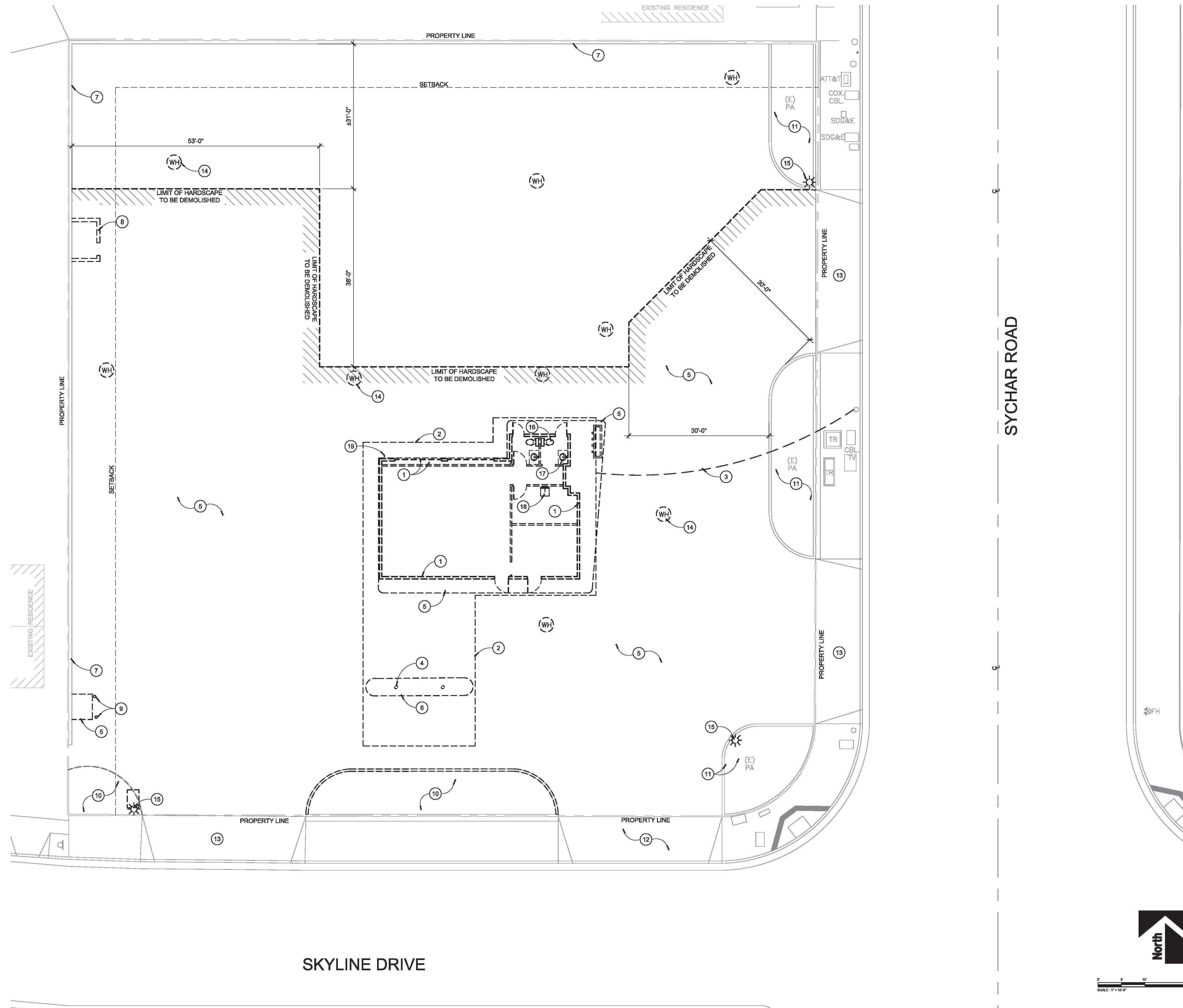
FOR CITY ENGINEER: *Elif Cetin* DATE: 12/19/2014

FOR PROJECT ENGINEER: *Michael Ramirez*

DESCRIPTION	BY	APPROVED	DATE	FILED
ORIGINAL	REC			

CONTRACTOR: \_\_\_\_\_ DATE STARTED: \_\_\_\_\_  
INSPECTOR: \_\_\_\_\_ DATE COMPLETED: \_\_\_\_\_

38317- 11 D



**GENERAL NOTES**

1. GENERAL CONTRACTOR TO CAP OFF ALL UTILITIES JUST INSIDE PROPERTY LINE.
2. GENERAL CONTRACTOR TO DEMOLISH ALL ASSOCIATED UTILITIES IN THEIR ENTIRETY.
3. CONTRACTOR TO CALL FOR INSPECTOR TO COORDINATE PLUMBING FIXTURE COUNT ON SITE.
4. ANY DEMOLITION TO EXISTING BUILDING AND WITHIN EXISTING BUILDING TO BE DONE BY OTHERS.

**KEY NOTES**

- 1 EXISTING BUILDING TO BE DEMOLISHED BY OTHERS.
- 2 EXISTING ROOF STRUCTURE (ABOVE) TO BE DEMOLISHED BY OTHERS.
- 3 EXISTING OVERHEAD ELECTRICAL SERVICE LINE FROM POLE TO BUILDING TO BE REMOVED.
- 4 EXISTING CANOPY COLUMNS TO BE DEMOLISHED BY OTHERS.
- 5 EXISTING HARDSCAPE TO BE DEMOLISHED.
- 6 EXISTING CONCRETE ISLAND TO BE DEMOLISHED.
- 7 EXISTING CMU WALL. PROTECT IN PLACE.
- 8 EXISTING CMU WALL TO BE DEMOLISHED.
- 9 EXISTING BOLLARDS TO BE DEMOLISHED.
- 10 EXISTING CONCRETE CURB/PLANTER AREA TO BE REMOVED.
- 11 EXISTING CONCRETE CURB/PLANTER AREA TO REMAIN.
- 12 EXISTING DRIVEWAY TO REMAIN (NOT USED).
- 13 EXISTING DRIVEWAY TO REMAIN AND TO BE USED FOR TEMPORARY FIRE STATION.
- 14 EXISTING WELL HEAD (TYP. OF 9 V.I.F.) TO BE REPAIRED/CAPPED PER DETAIL ON CIVIL PLANS.
- 15 EXISTING LIGHT POLE TO BE REMOVED.
- 16 EXISTING WATER CLOSET TO BE DEMOLISHED
- 17 EXISTING LAVATORY TO BE DEMOLISHED
- 18 EXISTING UTILITY SINK TO BE DEMOLISHED
- 19 EXISTING HOSE BIB TO BE DEMOLISHED

**NADEL**

NADEL STUDIO ONE INC  
 4445 EASTGATE MALL  
 SUITE 407  
 SAN DIEGO, CA 92121  
 T. 619.232.8424  
 F. 619.232.7179  
 WWW.NADELARC.COM



ASD1.0

**PLANS FOR THE CONSTRUCTION OF SKYLINE TEMPORARY FIRE STATION**  
 7180 SKYLINE DR. SAN DIEGO, CALIFORNIA 92114  
 PARCEL ID. NO. 581-290-11-00

SHEET TITLE <b>SITE DEMOLITION PLAN</b>		SHEET NO. <b>ASD1.0</b>	
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 12 OF 40 SHEETS		WR. <b>S-00687</b>	
APPROVED: <i>[Signature]</i>	12/19/2014	SUBMITTED BY: ROWAIDA JADAN ASSOCIATE ENGINEER	
CITY ENGINEER	DATE	PROJECT MANAGER MICHAEL RAMIREZ	
DESCRIPTION	BY	APPROVED	DATE
SITE DEMO. PLAN			
CONTRACTOR	DATE STARTED	194-1755	
INSPECTOR	DATE COMPLETED	1834-6315	
		38317 - 12 D	

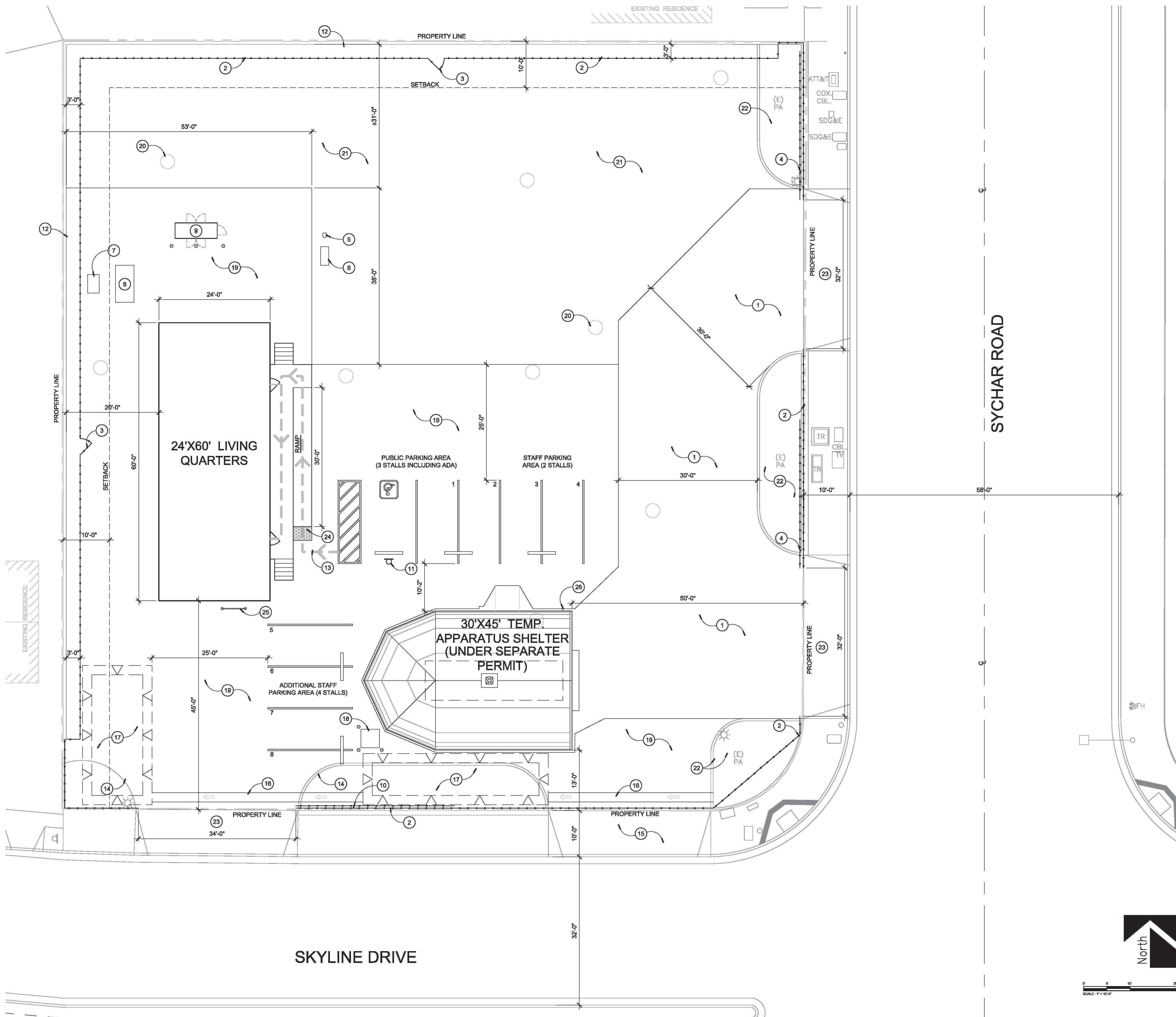


SCALE  
1"=10'-0"

**SITE DEMOLITION PLAN**

SKYLINE TEMPORARY FIRE STATION





**KEY NOTES**

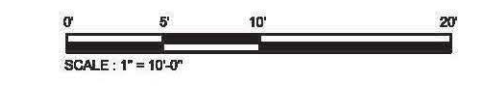
- 1 CONCRETE DRIVEWAY.
- 2 6' HIGH SECURITY FENCE.
- 3 6' HIGH PEDESTRIAN GATE TO MATCH FENCE.
- 4 MOTORIZED ROLLING SECURITY GATE TO MATCH FENCE (6' HIGH).
- 5 TEMPORARY POLE FOR POWER AND DATA.
- 6 ELECTRICAL PANELS
- 7 STAFF BBQ
- 8 4'X8' EXTERIOR STAFF TABLE
- 9 TEMPORARY EMERGENCY GENERATOR
- 10 MANUAL ROLLING SECURITY GATE TO MATCH FENCE (6' HIGH).
- 11 ACCESSIBLE SIGNAGE PER DETAIL.
- 12 EXISTING CMU WALL
- 13 ACCESSIBLE PATH OF TRAVEL
- 14 EXISTING CONCRETE CURB TO BE REMOVED
- 15 EXISTING DRIVEWAY (NOT USED).
- 16 CONCRETE SWELL PER CIVIL DRAWINGS. LOCATE SWELL 2'-0" MIN. (CLEAR) FROM OUTSIDE FACE OF EXISTING CURB TO ALLOW FOR ROLLING GATES TO OPERATE PROPERLY.
- 17 PERMANENT BMP AREA FOR TEMP. STATION. SEE CIVIL DRAWINGS FOR ADDITIONAL INFORMATION.
- 18 LOCATION OF APPARATUS EXHAUST EXTRACTOR.
- 19 NEW A/C PAVING AREA
- 20 EXISTING WELL HEAD (TYP. OF 9 V.I.F.) TO BE REPAIRED/CAPPED PER GEOTECHNICAL ENGINEER'S RECOMMENDATIONS.
- 21 EXISTING HARDSCAPE TO REMAIN.
- 22 EXISTING CURB/HARDSCAPE TO REMAIN.
- 23 EXISTING DRIVEWAY TO BE USED FOR TEMPORARY FIRE STATION.
- 24 DETECTABLE WARNING STRIP. SEE 18/AS1.1 FOR ADDITIONAL INFORMATION. PROVIDE EDGE PROTECTION BETWEEN GUARD POSTS.
- 25 PRE-FAB BIKE RACK. SEE DETAIL 5/AS1.2.
- 26 PROPOSED LOCATION OF HOSE BIB. CONTRACTOR TO PROVIDE HOSE BIB AND HOSE STAND. FINAL LOCATION TO BE DETERMINED WITH FIRE DEPARTMENT PRIOR TO INSTALLATION.

**NADEL**  
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AS1.0

**PLANS FOR THE CONSTRUCTION OF SKYLINE TEMPORARY FIRE STATION**  
 7180 SKYLINE DR. SAN DIEGO, CALIFORNIA 92114  
 PARCEL ID. NO. 581-290-11-00

SHEET TITLE <b>SITE PLAN</b>		SHEET NO. <b>AS1.0</b>
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 13 OF 40 SHEETS		WER. <b>S-00687</b>
APPROVED: <i>[Signature]</i> CITY ENGINEER	12/19/2014 DATE	SUBMITTED BY: ROWAIDA JADAN ASSOCIATE ENGINEER
DESCRIPTION	BY	APPROVED
SITE PLAN		
CONTRACTOR _____ DATE STARTED _____		PROJECT MANAGER <b>194-1755</b>
INSPECTOR _____ DATE COMPLETED _____		CC827 COORDINATE <b>1834-6315</b>
		CC883 COORDINATE <b>38317 - 13 D</b>

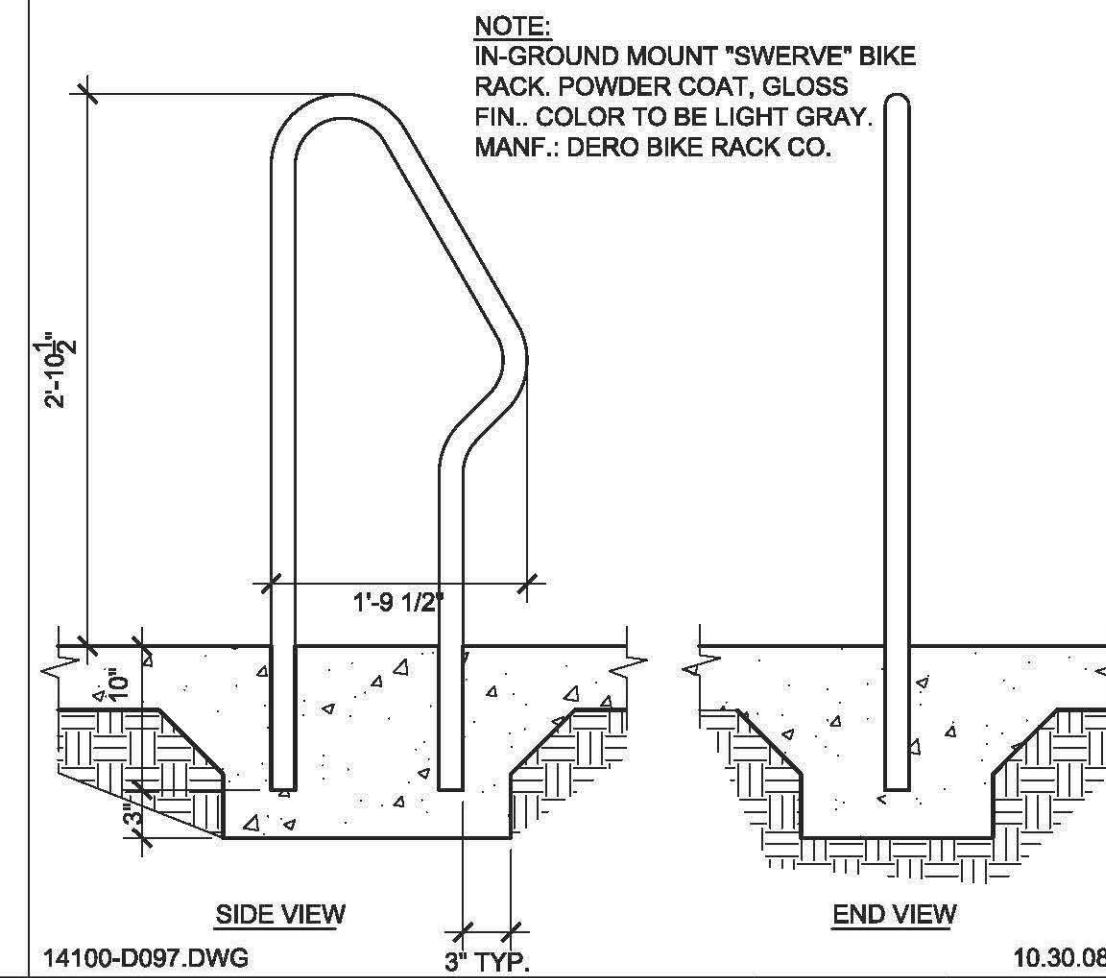


**SITE PLAN**

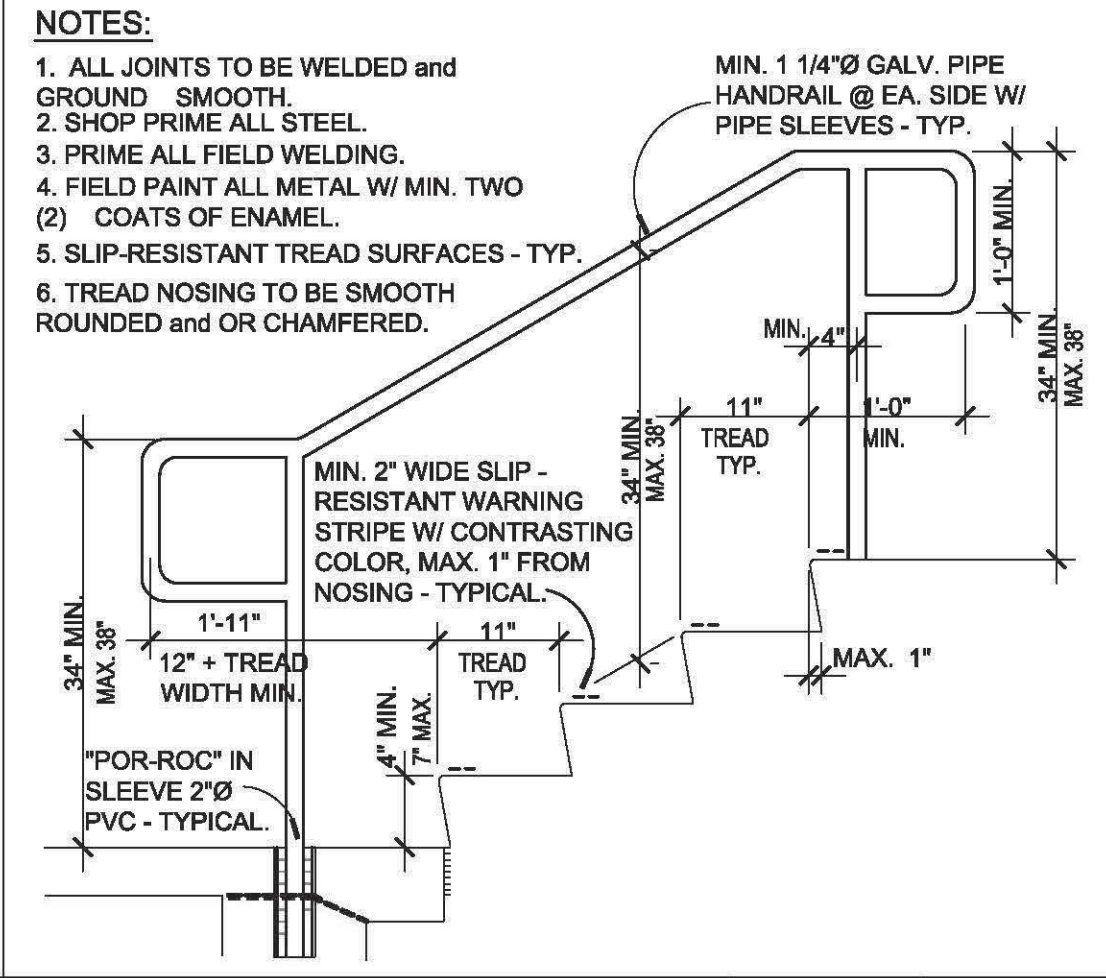
SCALE 1  
1"=10'-0"

SKYLINE TEMPORARY FIRE STATION

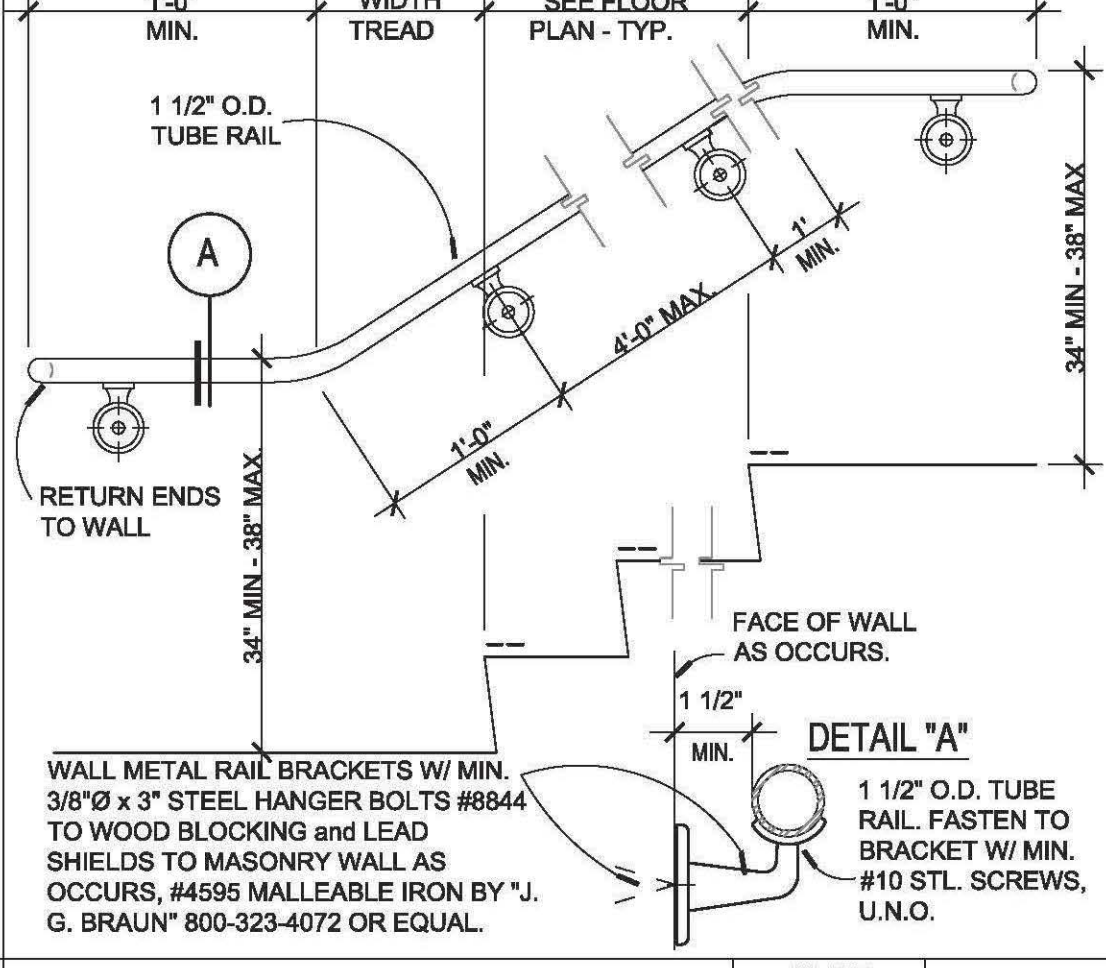




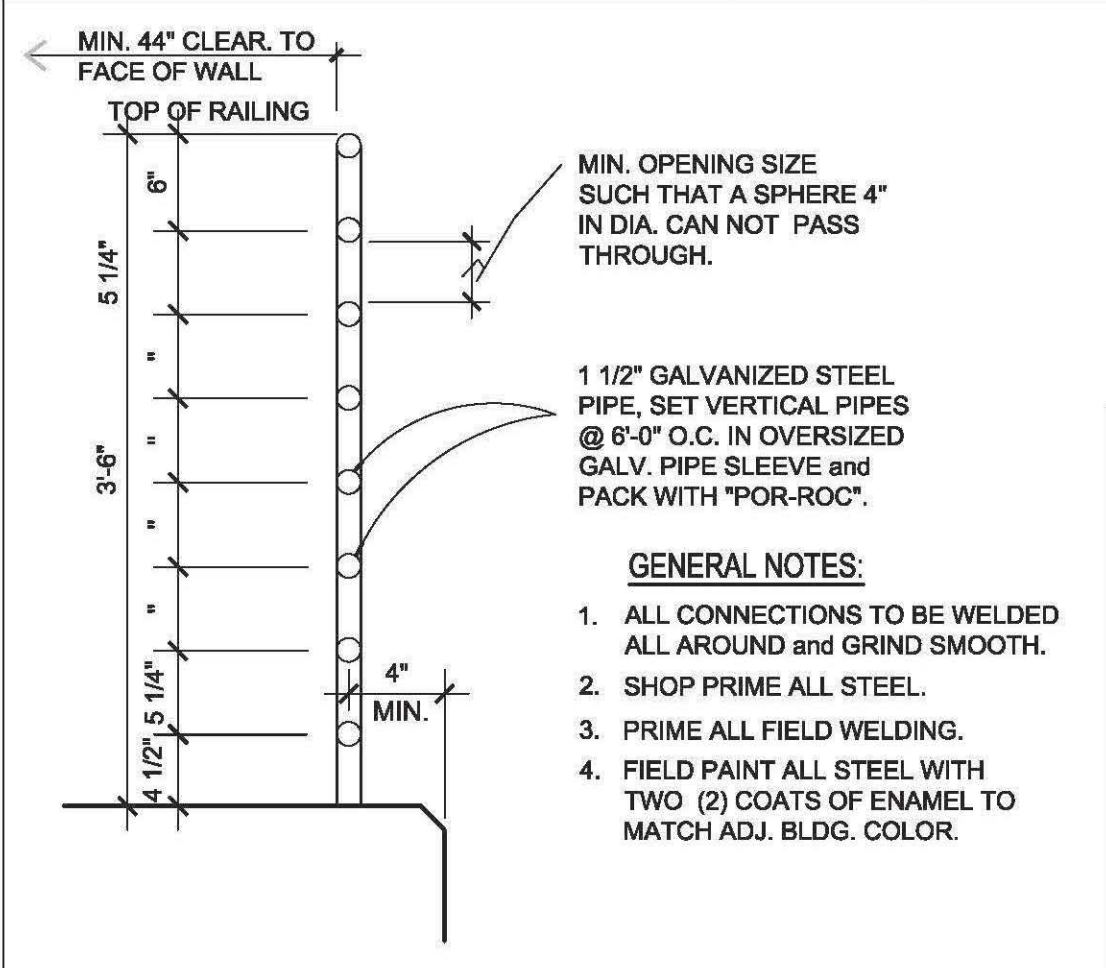
**PRE- FAB BIKE RACK**  
 SCALE 1" = 1'-0" 5  
 14100-D097.DWG 10.30.08



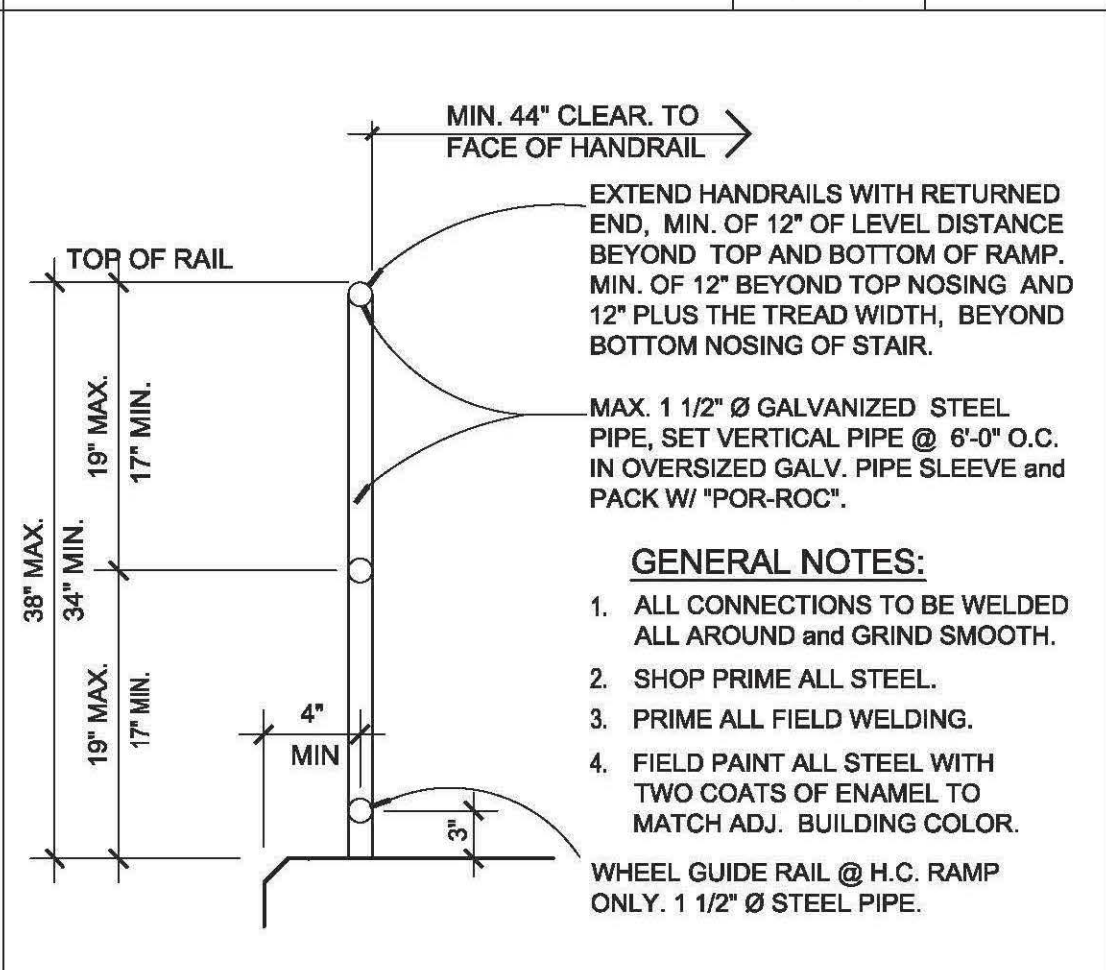
**HANDRAIL AT STEP**  
 SCALE 3/4" = 1'-0" 1



**HANDRAIL AT WALL**  
 SCALE NTS 2



**GUARDRAIL DETAIL**  
 SCALE 1" = 1'-0" 3



**HANDRAIL AT RAMP**  
 SCALE 1" = 1'-0" 4

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AS1.2

**PLANS FOR THE CONSTRUCTION OF SKYLINE TEMPORARY FIRE STATION**  
 7180 SKYLINE DR. SAN DIEGO, CALIFORNIA 92114  
 PARCEL ID. NO. 581-290-11-00

SHEET TITLE: **SITE DETAILS** SHEET NO.: **AS1.2**

CITY OF SAN DIEGO, CALIFORNIA  
 ENGINEERING AND CAPITAL PROJECTS DEPARTMENT  
 SHEET 15 OF 40 SHEETS

APPROVED: *[Signature]* 12/19/2014  
 CITY ENGINEER DATE

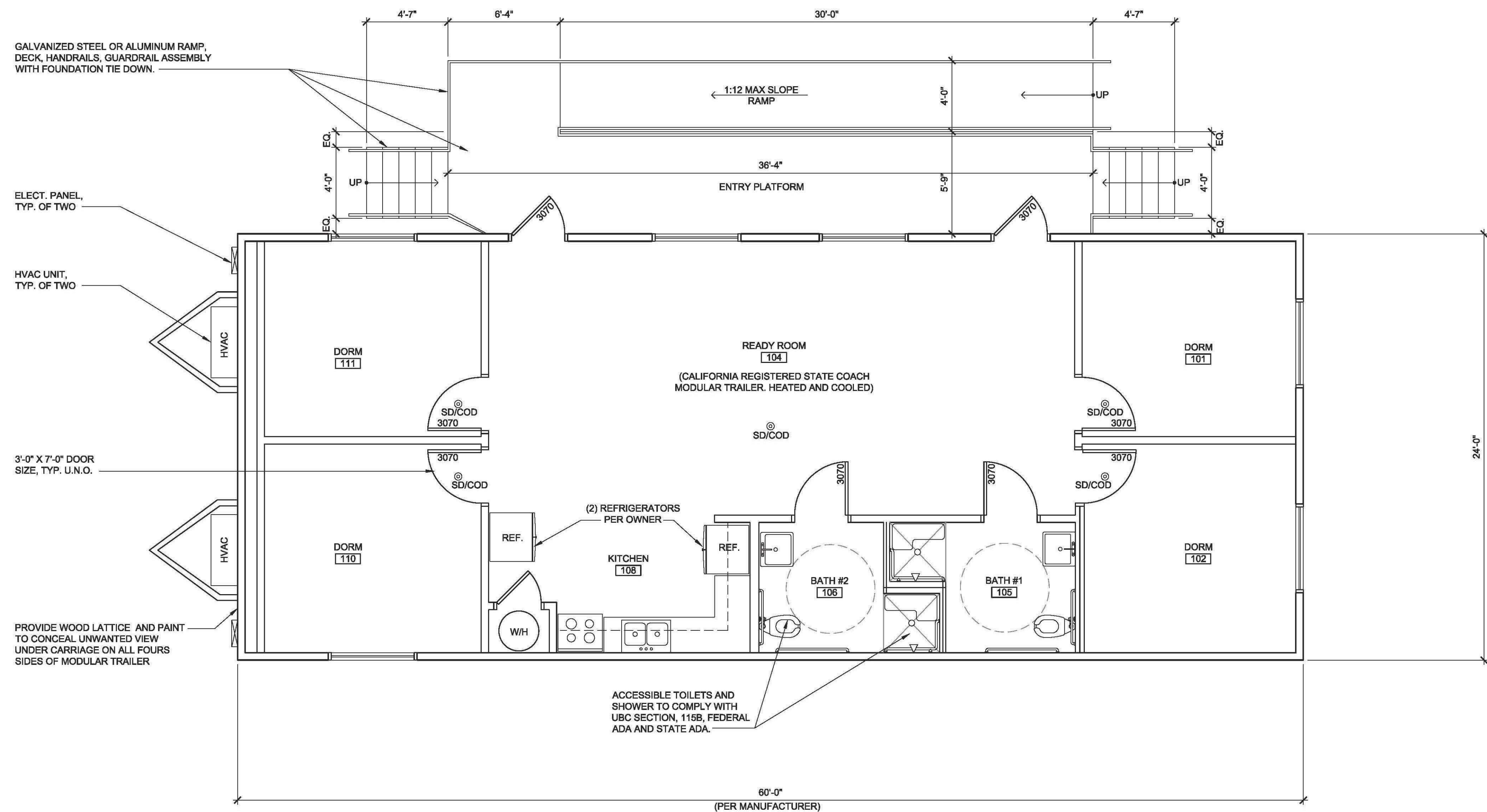
SUBMITTED BY: ROWAIDA JADAN ASSOCIATE ENGINEER  
 MICHAEL RAMIREZ PROJECT MANAGER

DESCRIPTION BY APPROVED DATE FILMED  
 194-1755  
 1834-6315  
 1834-6315

CONTRACTOR: \_\_\_\_\_ DATE STARTED: \_\_\_\_\_  
 INSPECTOR: \_\_\_\_\_ DATE COMPLETED: \_\_\_\_\_

38317 - 15 D

SKYLINE TEMPORARY FIRE STATION



GALVANIZED STEEL OR ALUMINUM RAMP, DECK, HANDRAILS, GUARDRAIL ASSEMBLY WITH FOUNDATION TIE DOWN.

ELECT. PANEL, TYP. OF TWO

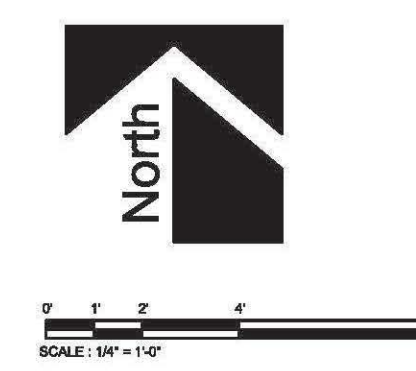
HVAC UNIT, TYP. OF TWO

3'-0" X 7'-0" DOOR SIZE, TYP. U.N.O.

PROVIDE WOOD LATTICE AND PAINT TO CONCEAL UNWANTED VIEW UNDER CARRIAGE ON ALL FOURS SIDES OF MODULAR TRAILER

ACCESSIBLE TOILETS AND SHOWER TO COMPLY WITH UBC SECTION, 115B, FEDERAL ADA AND STATE ADA.

**OCCUPANCY LOAD:**  
 DORM ROOM: 600 SQ. FT. / 200 SQ. FT. = 3 OCCUPANTS PER OCCUPANT  
 USE IS 4 OCCUPANTS MAX.



**GENERAL NOTES**

- OWNER TO PROVIDE AND CONTRACTOR TO INSTALL A CALIFORNIA STATE REGISTERED TRAILER WITH THIS FLOOR PLAN ON THIS TEMPORARY SITE.
- OPERABLE WINDOWS (TYPICAL OF EACH WINDOW IN ROOMS 101, 102, 110 AND 111) SHALL HAVE A NET CLEAR EMERGENCY ESCAPE OPENING OF 5.7 SQ. FT. A MINIMUM HEIGHT OPENING OF 24" BY MINIMUM WIDTH OF 20". THE SILL SHALL BE LESS THAN 44" ABOVE FINISH FLOOR.
- MODULAR UNIT MANUFACTURER TO PROVIDE AND INSTALL SMOKE AND CARBON MONOXIDE DETECTORS WITH BATTERY BACKUP AS REQUIRED PER CODE.
- SMOKE ALARMS SHALL BE INTERCONNECTED AND HARD-WIRED WITH BATTERY BACK UP.
- CARBON MONOXIDE ALARMS SHALL BE INTERCONNECTED AND HARD-WIRED WITH BATTERY BACK UP.
- ALL SMOKE ALARMS SHALL BE LISTED IN ACCORDANCE WITH UL217 AND INSTALLED IN ACCORDANCE WITH THE PROVISIONS OF THE GOVERNING CRC AND THE HOUSEHOLD FIRE WARNING EQUIPMENT PROVISIONS OF NFPA 72. SYSTEMS AND COMPONENTS SHALL BE CALIFORNIA STATE FIRE MARSHALL LISTED AND APPROVED IN ACCORDANCE WITH CCR, TITLE 19, DIVISION 1 FOR THE PURPOSE FOR WHICH THEY ARE INSTALLED.
- SINGLE AND MULTIPLE-STATION CARBON MONOXIDE ALARMS SHALL BE LISTED AS COMPLYING WITH THE REQUIREMENTS OF UL2034. CARBON MONOXIDE DETECTORS SHALL BE LISTED AS COMPLYING WITH THE REQUIREMENTS OF UL2075.
- FINAL LAYOUT AND FINISH CONDITION OF LIVING QUARTERS TO BE INSTALLED ON SITE. MUST BE COORDINATED BETWEEN OWNER AND MANUFACTURER. FINAL APPROVAL BY OWNER.

**LEGEND**

⊙ SD/COD COMBINATION CARBON MONOXIDE AND SMOKE DETECTOR. SEE NOTES 3-7 ON THIS SHEET FOR ADDITIONAL INFORMATION.

**NADEL**

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A1.0

**PLANS FOR THE CONSTRUCTION OF SKYLINE TEMPORARY FIRE STATION**

7180 SKYLINE DR. SAN DIEGO, CALIFORNIA 92114  
 PARCEL ID. NO. 581-290-11-00

SHEET TITLE <b>MODULAR LIVING QUARTERS FLOOR PLAN</b>		SHEET NO. <b>A1.0</b>
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 16 OF 40 SHEETS		WR. <b>S-00687</b>
APPROVED: <i>[Signature]</i> CITY ENGINEER	12/19/2014 DATE	SUBMITTED BY: ROWAIDA JADAN ASSOCIATE ENGINEER
DESCRIPTION FLOOR PLAN	BY [ ]	PROJECT MANAGER MICHAEL RAMIREZ
	APPROVED [ ]	PROJECT NO. <b>194-1755</b>
	DATE [ ]	CC827 COORDINATE <b>1834-6315</b>
	FILMED [ ]	CC883 COORDINATE [ ]
CONTRACTOR [ ]	DATE STARTED [ ]	38317 - 16D
INSPECTOR [ ]	DATE COMPLETED [ ]	

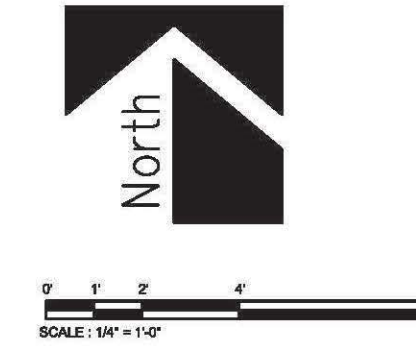
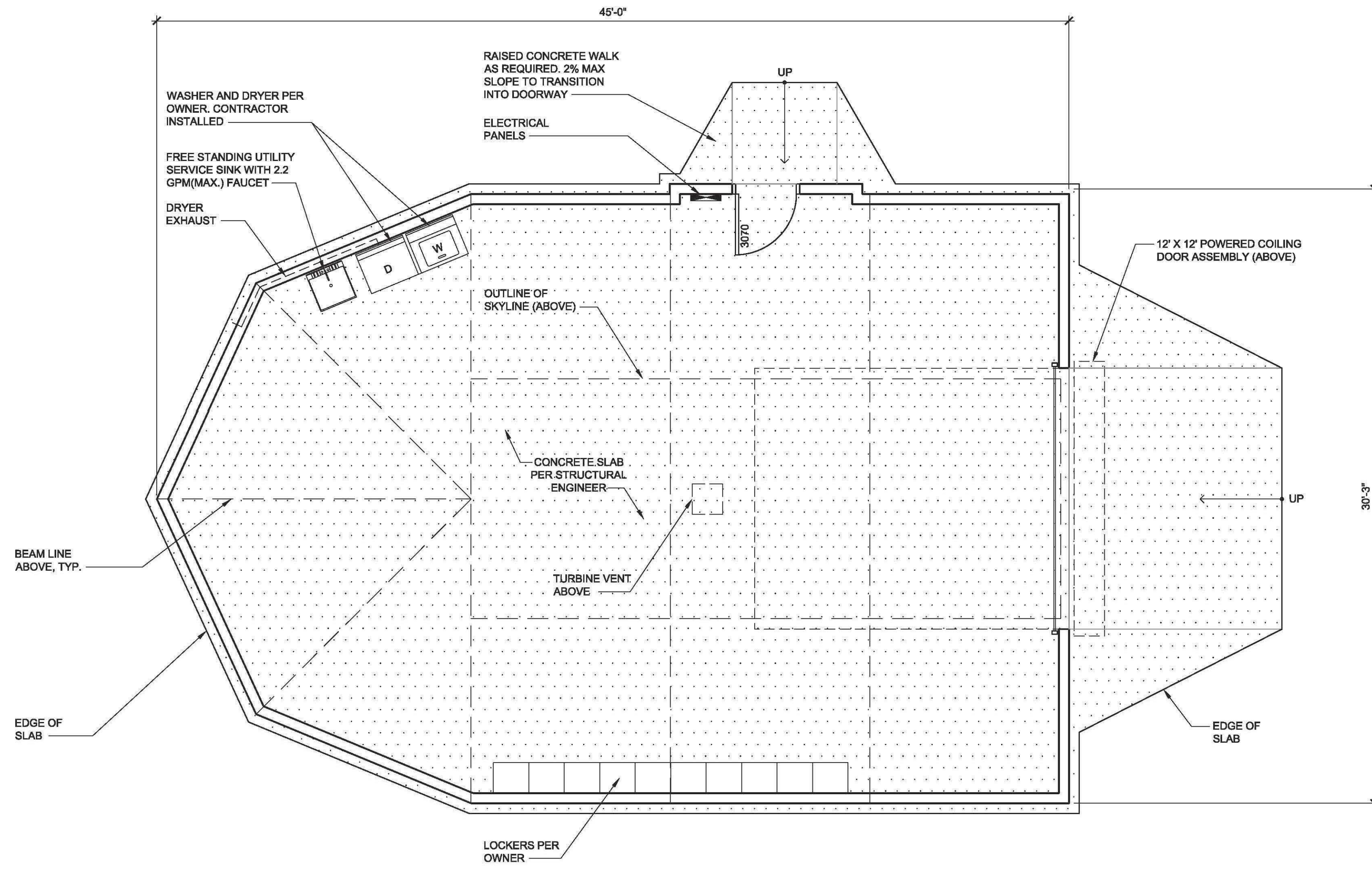
**MODULAR LIVING QUARTERS FLOOR PLAN**

SCALE 1/4" = 1'-0" 1

SKYLINE TEMPORARY FIRE STATION

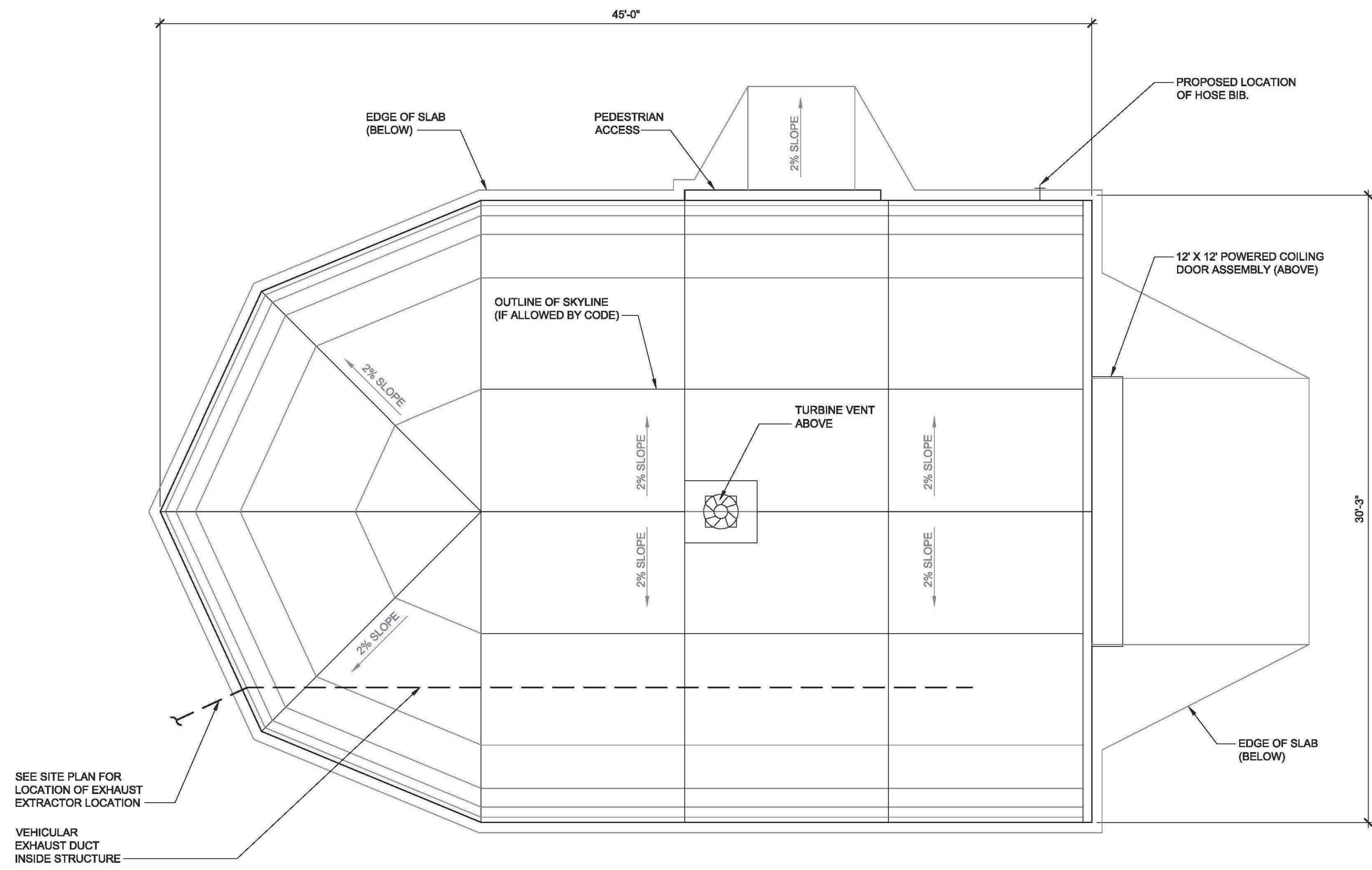
GENERAL NOTES

1.

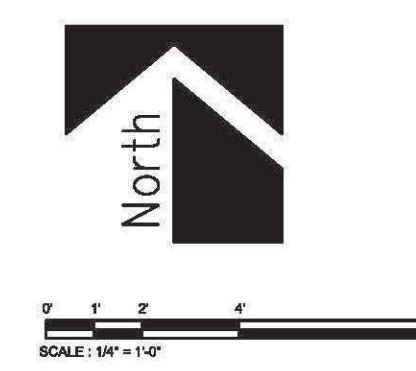


SPRUNG STRUCTURE FLOOR PLAN

SCALE 1/4"=1'-0" 1



SPRUNG STRUCTURE UNDER SEPARATE PERMIT



SPRUNG STRUCTURE ROOF PLAN

SCALE 1/4"=1'-0" 2

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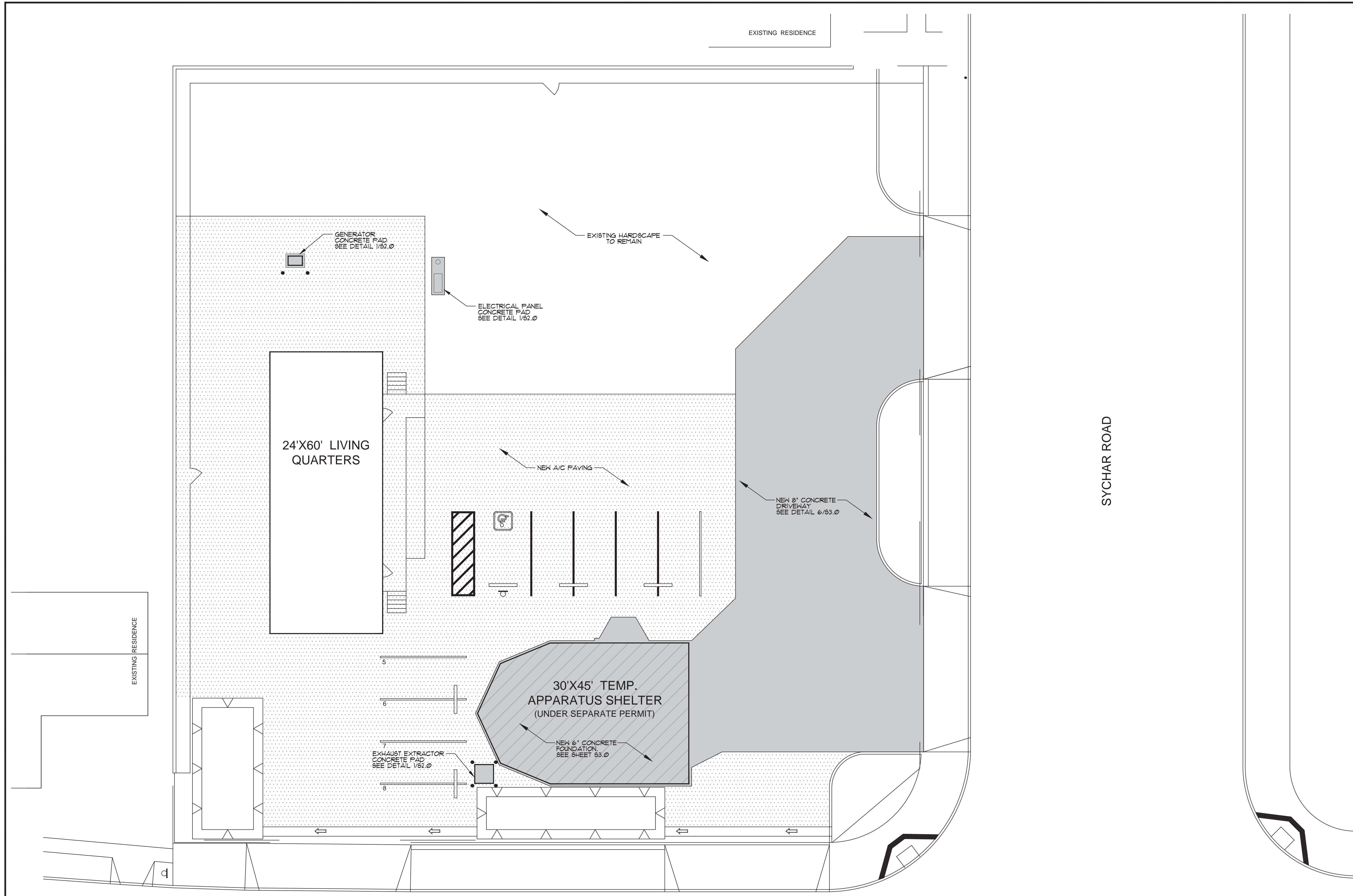


A2.0

PLANS FOR THE CONSTRUCTION OF  
 SKYLINE TEMPORARY FIRE STATION  
 7180 SKYLINE DR. SAN DIEGO, CALIFORNIA 92114  
 PARCEL ID. NO. 581-290-11-00

SHEET TITLE <b>SPRUNG STRUCTURE FLOOR PLAN</b>		SHEET NO. <b>A2.0</b>
CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 17 OF 40 SHEETS		WER: <b>S-00687</b>
APPROVED: <i>[Signature]</i> CITY ENGINEER	DATE 12/19/2014	SUBMITTED BY: ROWAIDA JADAN ASSOCIATE ENGINEER
DESCRIPTION FLOOR PLAN	BY	PROJECT MANAGER MICHAEL RAMIREZ
	APPROVED	194-1755
	DATE	CC827 COORDINATE 1834-6315
	FILMED	CC883 COORDINATE
CONTRACTOR	DATE STARTED	38317 - 17 D
INSPECTOR	DATE COMPLETED	

SKYLINE TEMPORARY FIRE STATION



**LEGEND**

- 1. INDICATES NEW TEMPORARY STRUCTURE.
- 2. INDICATES NEW A/C PAVING.
- 3. INDICATES NEW 6" CONCRETE DRIVEWAY AND 6" CONCRETE SLAB ON GRADE AT TEMPORARY STRUCTURE PER PLAN, SEE SHEET S3.0.

STRUCTURAL SITE PLAN **S1.0**

**PLANS FOR THE CONSTRUCTION OF SKYLINE TEMPORARY FIRE STATION**  
 7180 SKYLINE DR. SAN DIEGO, CALIFORNIA 92114  
 PARCEL ID. NO. 581-290-11-00

CITY OF SAN DIEGO, CALIFORNIA  
 ENGINEERING AND CAPITAL PROJECTS DEPARTMENT  
 SHEET 18 OF 40 SHEETS

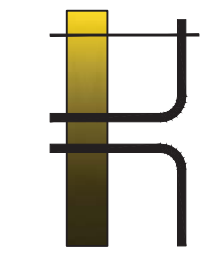
APPROVED:	DATE: 12/19/2014	SUBMITTED BY: ROWAIDA JADAN
CITY ENGINEER		ASSOCIATE ENGINEER
DESCRIPTION	BY	APPROVED
		DATE
		FILMED
CONTRACTOR	DATE STARTED	PROJECT MANAGER: MICHAEL RAMIREZ
INSPECTOR	DATE COMPLETED	194-1755
		1834-6315
		CC83 COORDINATE
		38317 - 18D

**SITE PLAN**  
 SCALE: 1" = 10'-0"

CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

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

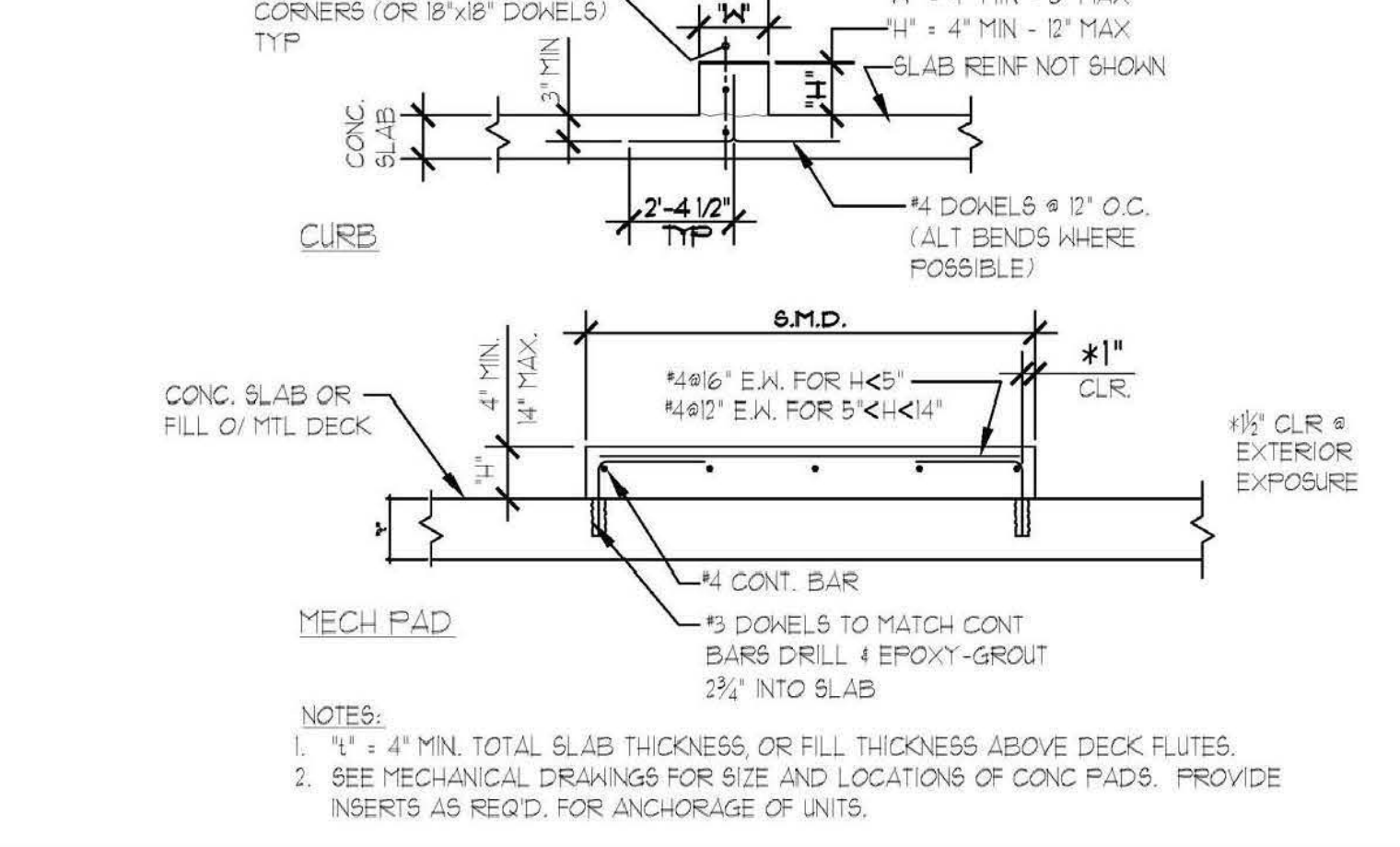
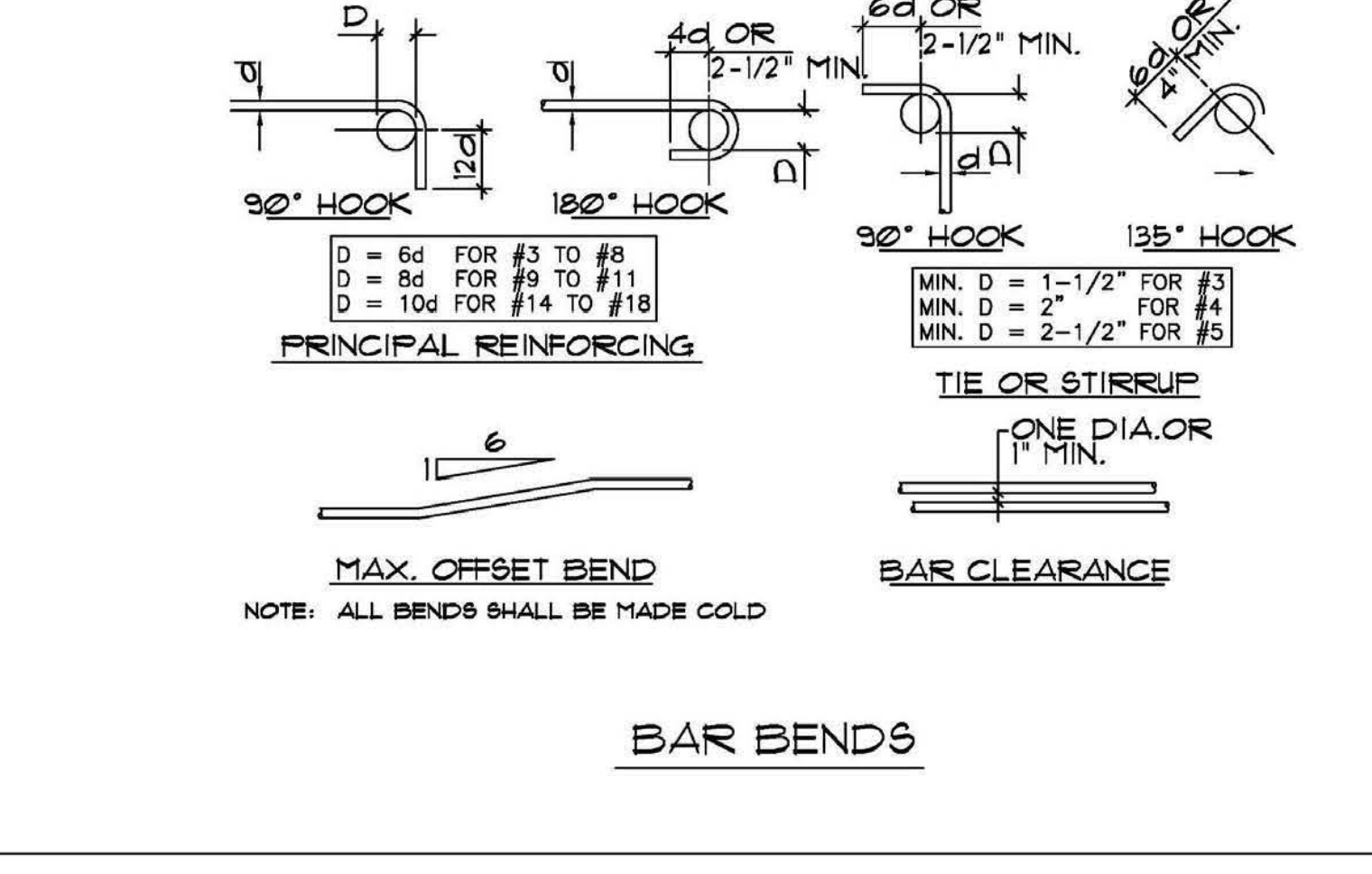
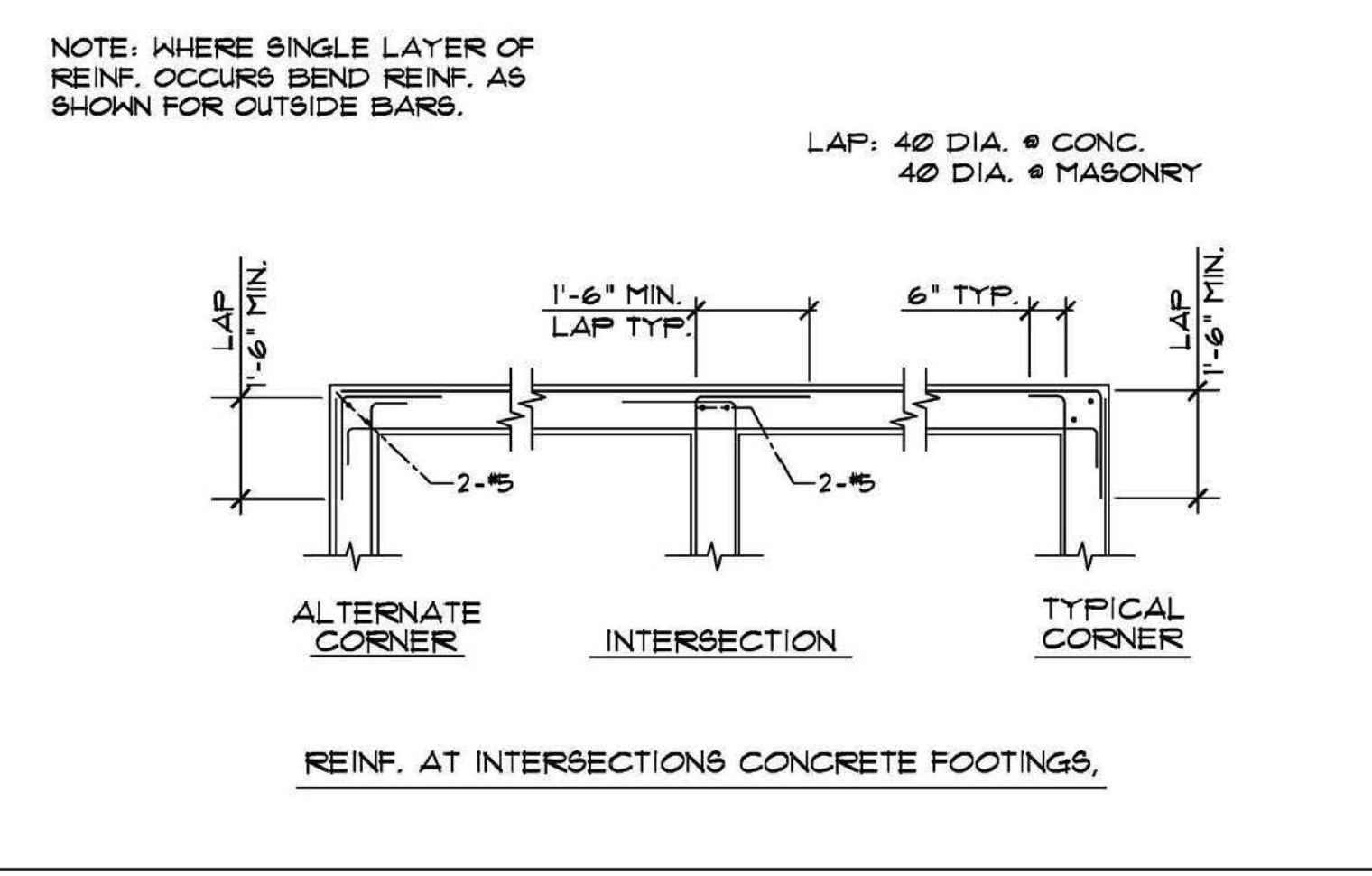
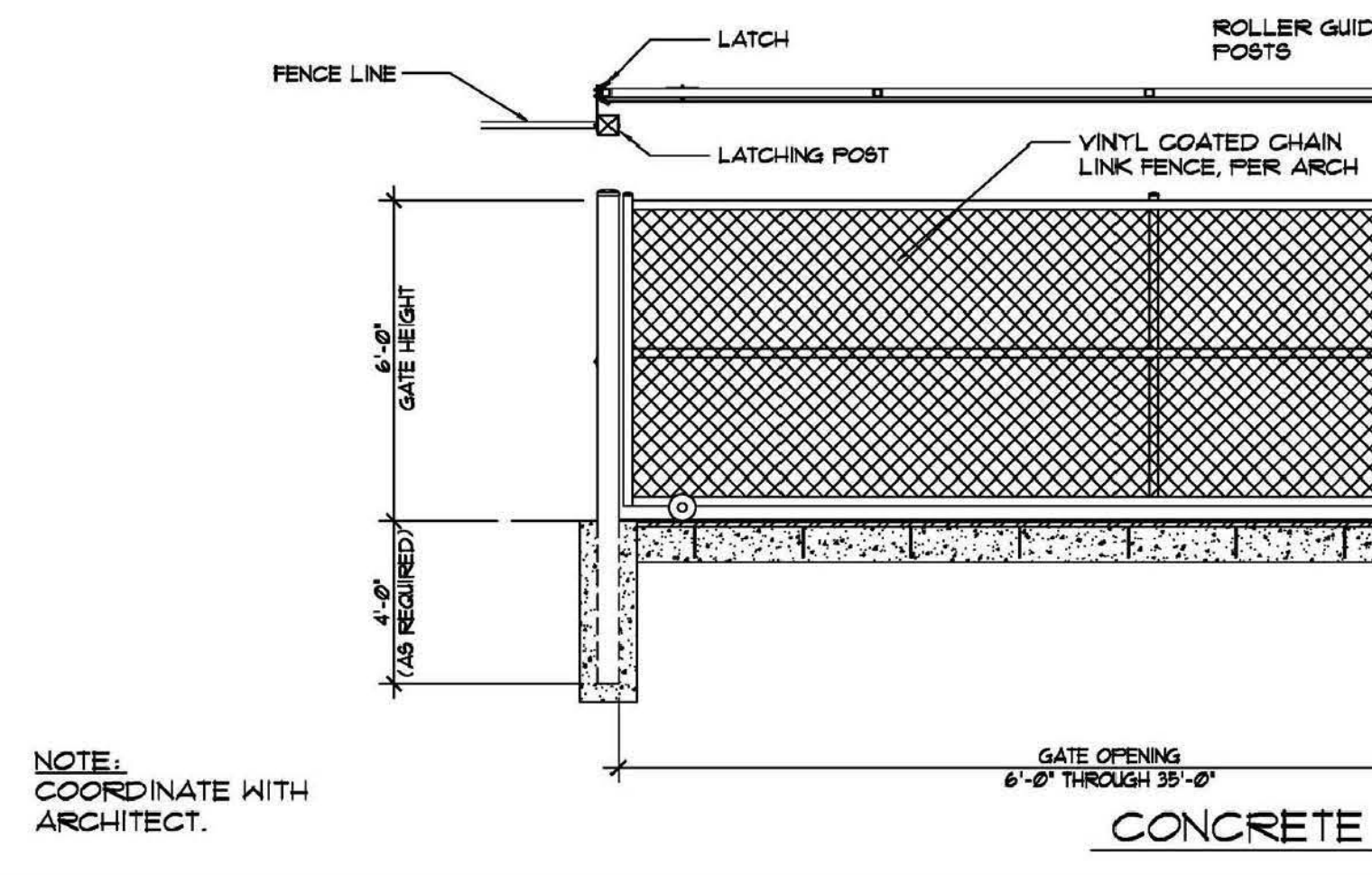
CITY OF SAN DIEGO  
 PUBLIC WORKS PROJECT



**RAR ENGINEERING**  
 RICARDO A. REYES P.E.  
 2900 FOURTH AVE. STE. 201  
 SAN DIEGO, CA 92103  
 PH. (619) 293-0960  
 FAX (619) 293-3058



TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH \_\_\_\_\_ MEDIUM \_\_\_\_\_ LOW \_\_\_\_\_  
 SPEC. NO. 0-00-0000-000-0-0  
 CITY CONTRACT SPECIAL INSPECTION NO. \_\_\_\_\_ C.I.P. NO. 00-000.0

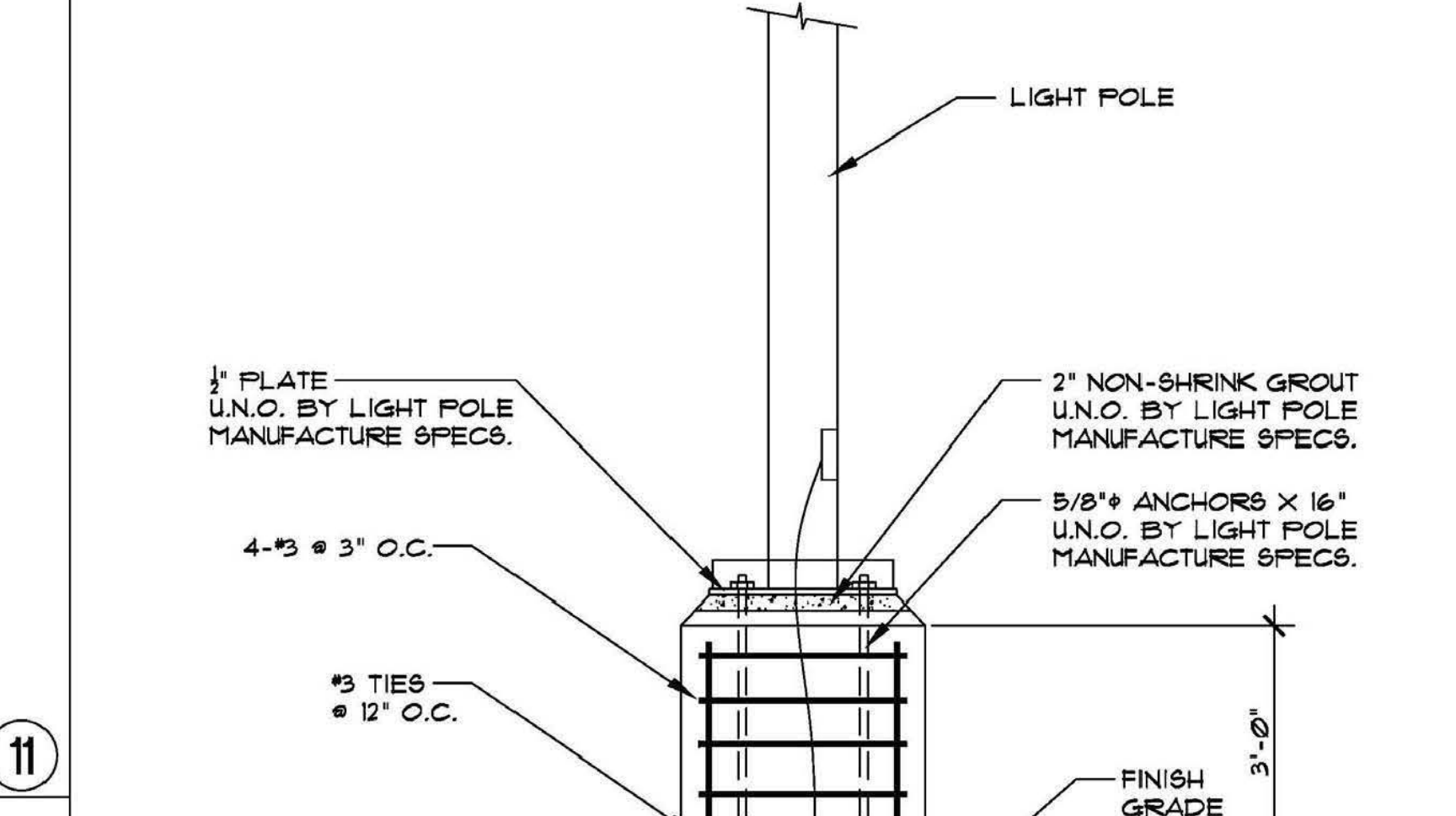
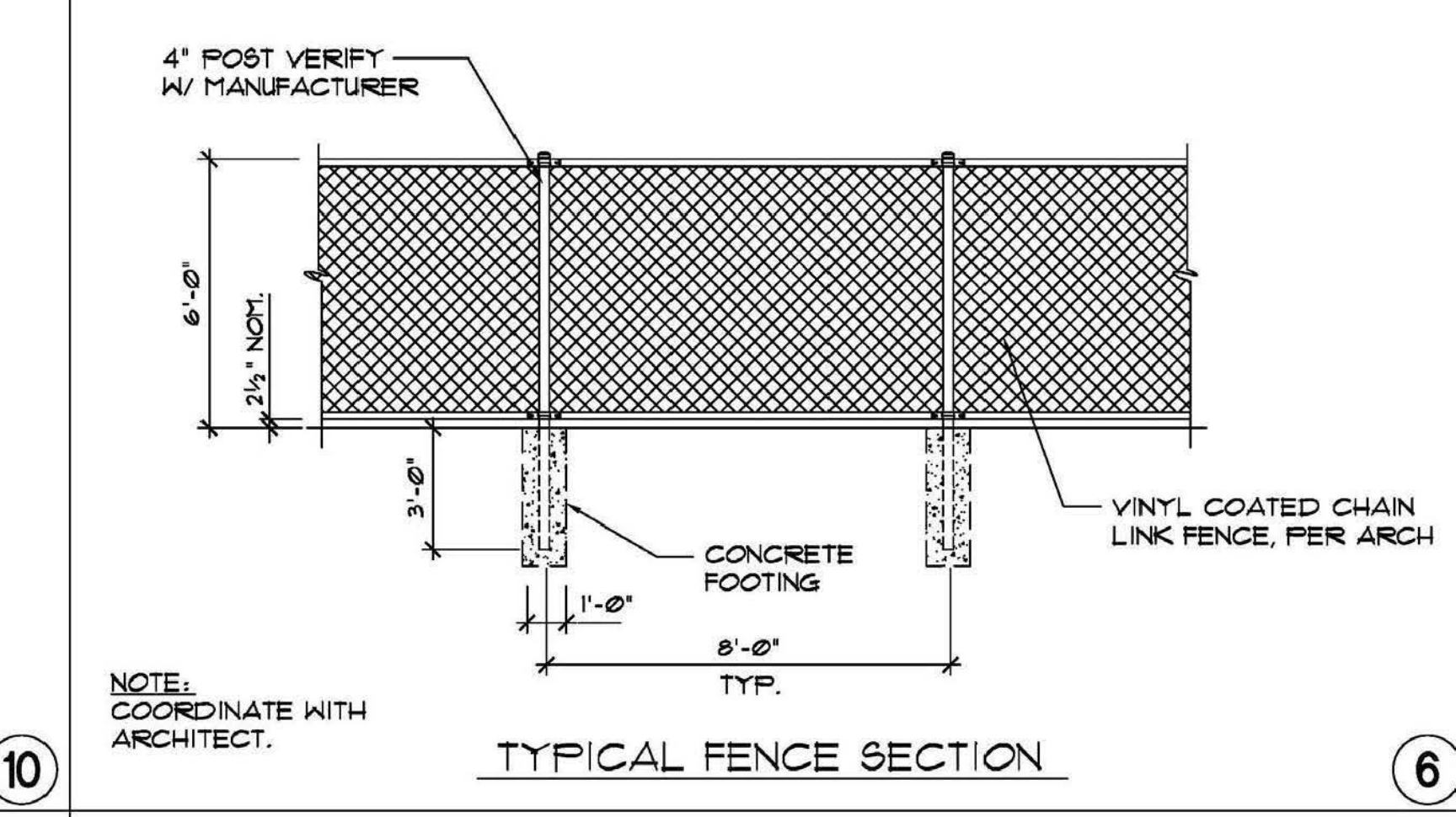
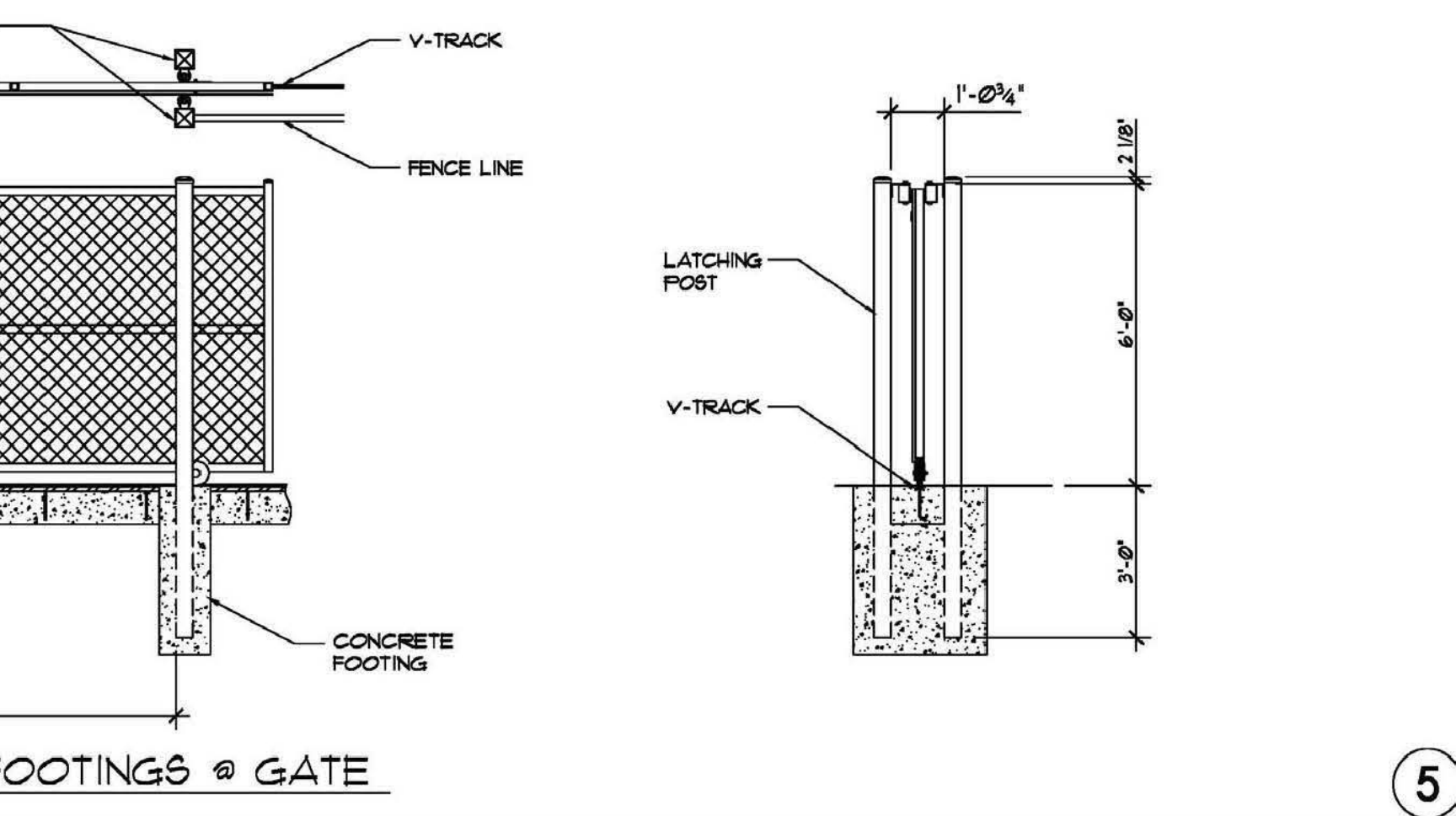


CONSTRUCTION CHANGE / ADDENDUM

CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

WARNING

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



**TENSION LAP SPLICES FOR GRADE 60 BARS**

$f'c = 3000$

BAR SIZE	BOTTOM BARS		TOP BARS	
	A	B	A	B
#3	11	22	22	28
#4	22	29	29	31
#5	28	36	36	41
#6	33	43	43	56
#7	48	63	63	81
#8	55	72	72	93
#9	62	81	81	105
#10	70	91	91	118
#11	78	101	101	131

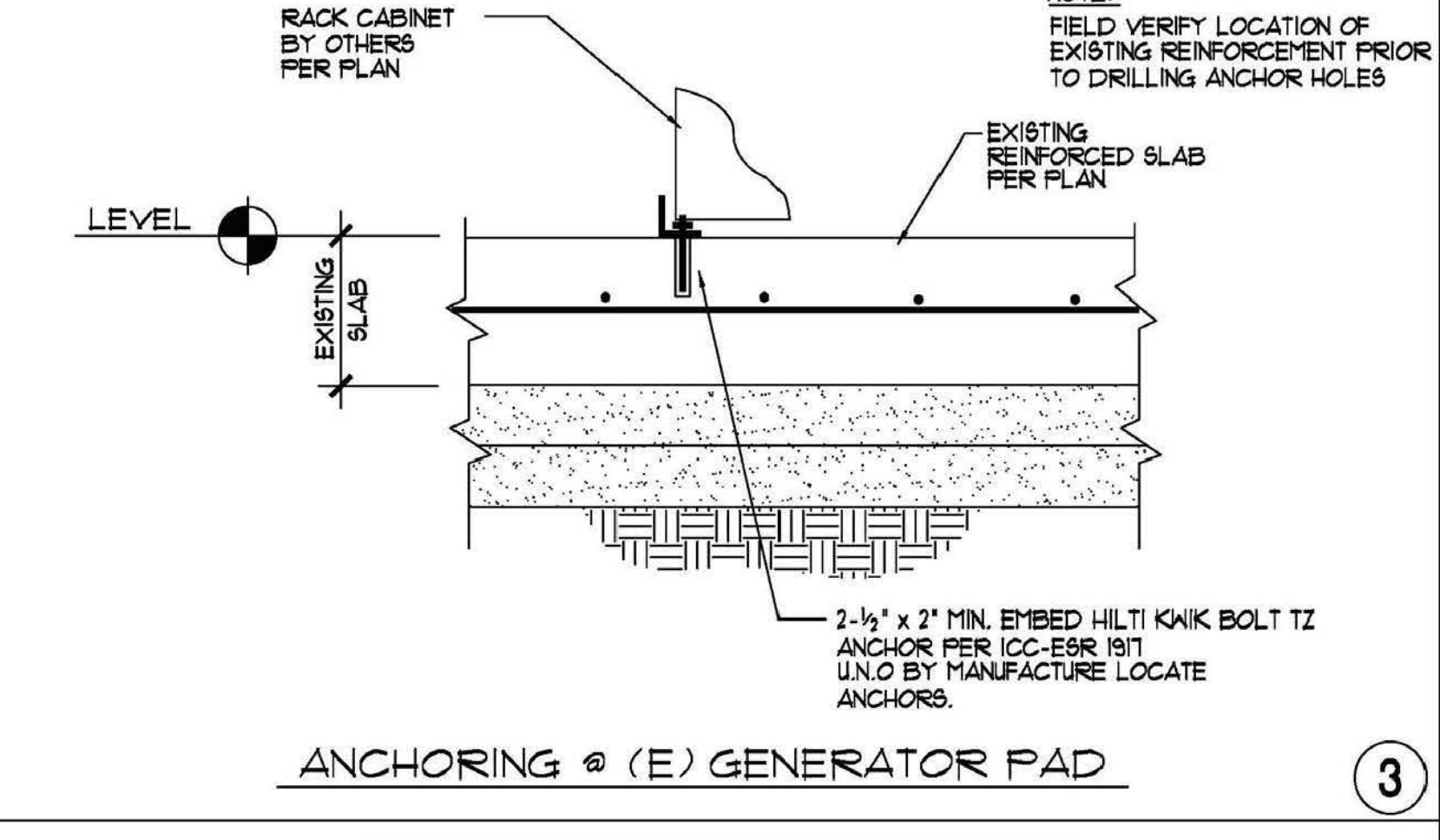
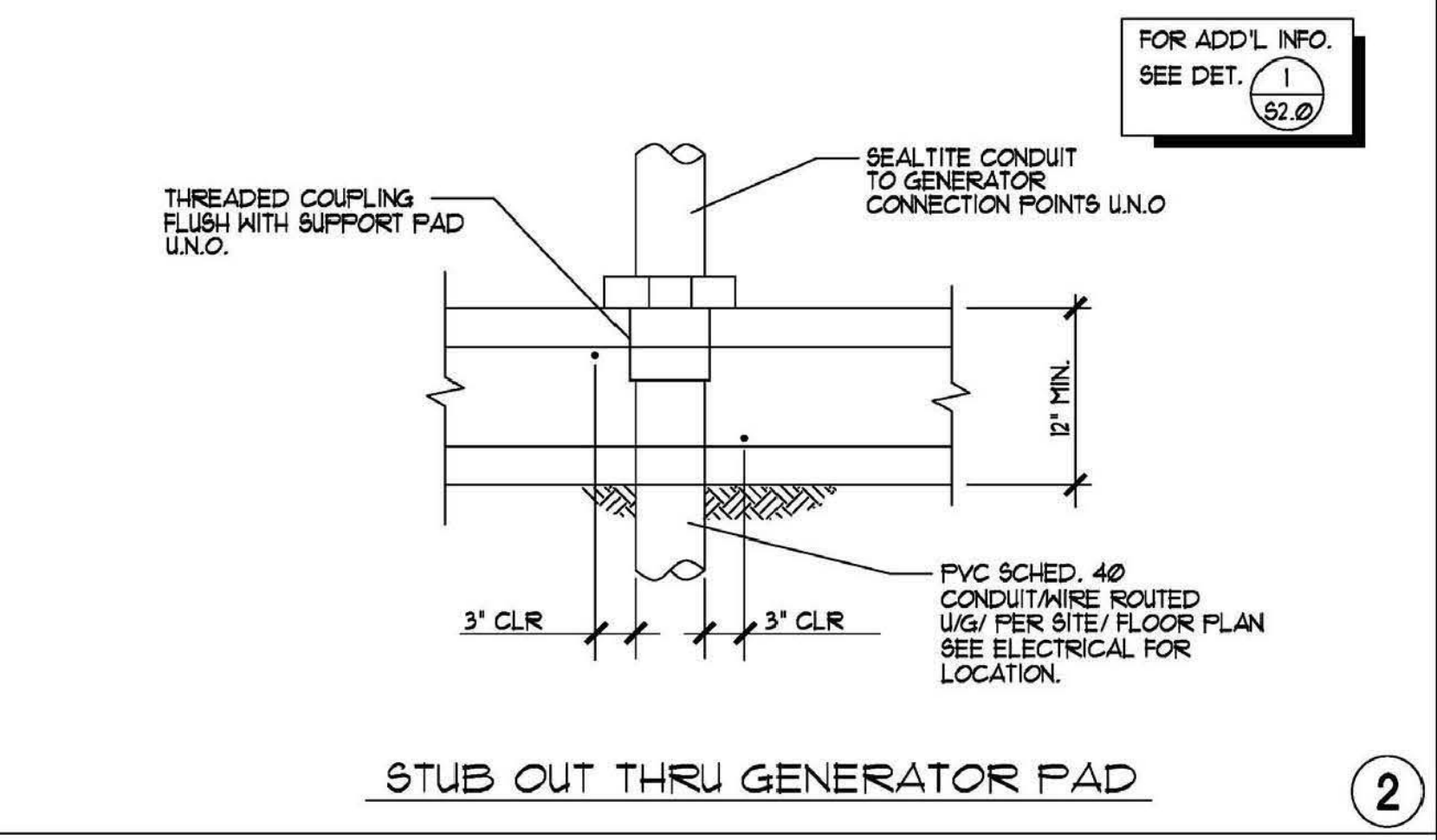
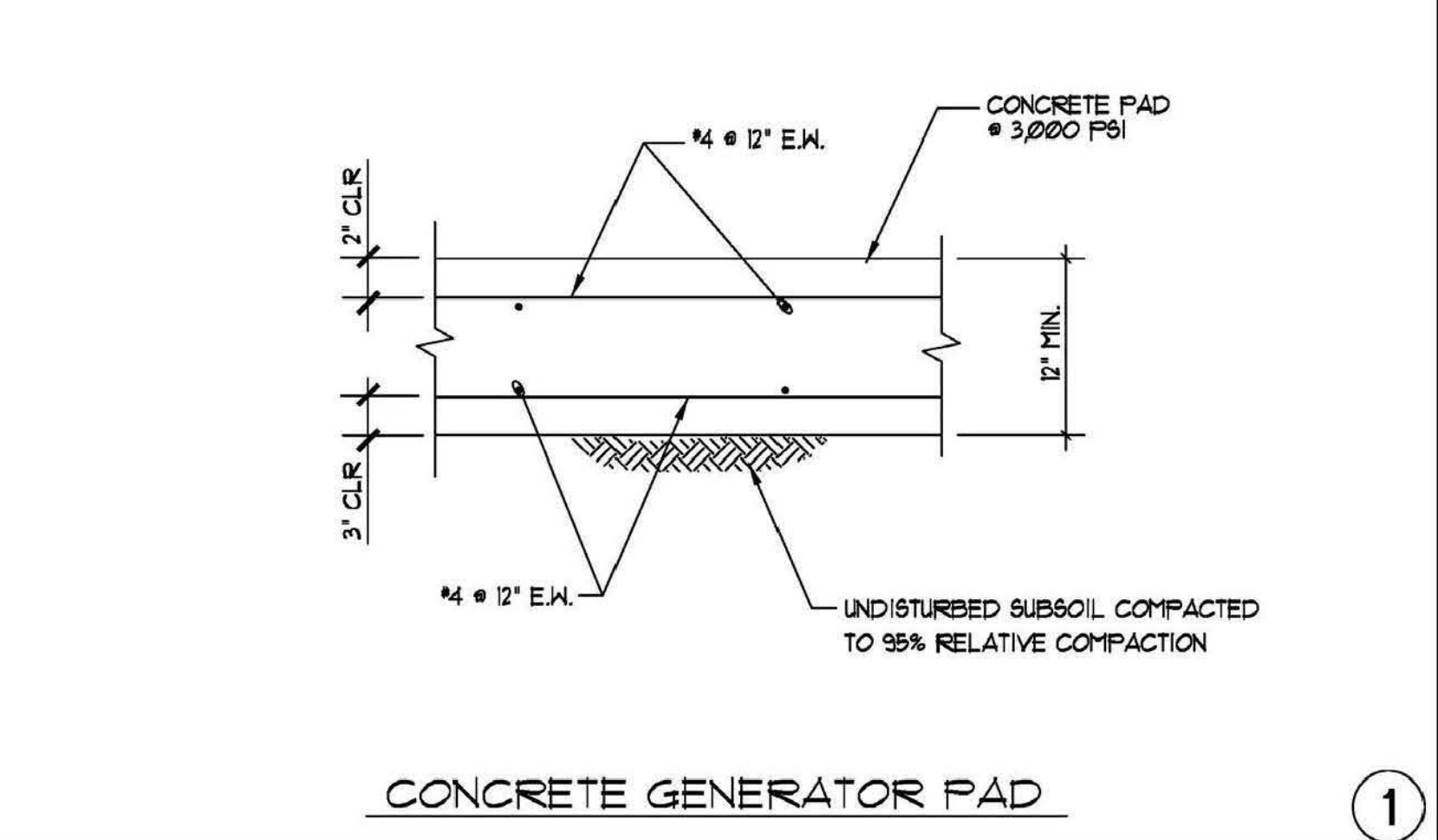
(1) LAP SPLICES SHALL BE CLASS B SPLICES, U.N.O.  
(2) TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12" DEPTH OF CONCRETE CAST BELOW THE REINFORCEMENT. MULTIPLE HORIZONTAL BARS OR A SINGLE VERTICAL PLANE SUCH AS HORIZONTAL BARS IN WALLS TIES ARE NOT TOP BARS.  
(3) BARS SHALL BE SPACED A MINIMUM OF 3 BAR DIAMETERS ON CENTER IN ORDER TO USE THE TABULATED SPLICE LENGTHS.

CITY OF SAN DIEGO PUBLIC WORKS PROJECT

TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH \_\_\_\_\_ MEDIUM \_\_\_\_\_ LOW \_\_\_\_\_

RAR ENGINEERING  
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2900 FOURTH AVE. STE. 201  
SAN DIEGO, CA. 92103  
PH: (619) 293-0950  
FAX: (619) 293-3058

CITY CONTRACT SPECIAL INSPECTION NO. C.I.P. NO.00-000.0



**TENSION LAP SPLICES FOR GRADE 60 BARS**

$f'c = 3000$

BAR SIZE	BOTTOM BARS		TOP BARS	
	A	B	A	B
#3	11	22	22	28
#4	22	29	29	31
#5	28	36	36	41
#6	33	43	43	56
#7	48	63	63	81
#8	55	72	72	93
#9	62	81	81	105
#10	70	91	91	118
#11	78	101	101	131

(1) LAP SPLICES SHALL BE CLASS B SPLICES, U.N.O.  
(2) TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12" DEPTH OF CONCRETE CAST BELOW THE REINFORCEMENT. MULTIPLE HORIZONTAL BARS OR A SINGLE VERTICAL PLANE SUCH AS HORIZONTAL BARS IN WALLS TIES ARE NOT TOP BARS.  
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CITY OF SAN DIEGO PUBLIC WORKS PROJECT

TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH \_\_\_\_\_ MEDIUM \_\_\_\_\_ LOW \_\_\_\_\_

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CITY CONTRACT SPECIAL INSPECTION NO. C.I.P. NO.00-000.0

- GENERAL NOTES**
- THE FOLLOWING GENERAL NOTES ARE A SUMMARY OF THE SPECIFICATIONS FOR THE CONVENIENCE OF THE CONTRACTOR. REFER TO THE SPECIFICATIONS.
- GENERAL**
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS BEFORE STARTING WORK AND NOTIFY THE ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES FOUND.
  - SPECIFIC CODES AND DETAILS SHALL TAKE PRECEDENCE OVER THESE GENERAL NOTES AND THE TYPICAL DETAILS ON SHEET E2.0 IN CASE OF CONFLICT.
  - WHERE NO CONSTRUCTION DETAILS ARE SHOWN OR NOTED FOR ANY PART OF THE WORK, THE DETAILS USED SHALL BE THE SAME AS FOR OTHER SIMILAR WORK, PROVIDED THAT PRIOR APPROVAL IS OBTAINED FROM THE ARCHITECT OR ENGINEER OF RECORD.
  - THE CONTRACTOR SHALL COORDINATE THE WORK OF ALL TRADES WITH THE STRUCTURAL REQUIREMENTS, REFER TO CIVIL, MECHANICAL, PLUMBING AND ELECTRICAL DRAWINGS.
  - THE DESIGN IS BASED ON THE 2013 CALIFORNIA BUILDING CODE AND THE LOCAL BUILDING CODE.
  - NEITHER THE OWNER NOR THE ARCHITECT WILL ENFORCE SAFETY MEASURES OR REGULATIONS, THE SUBCONTRACTOR SHALL DESIGN, CONSTRUCT AND MAINTAIN ALL SAFETY DEVICES, INCLUDING SHORING AND BRACING, AND SHALL BE SOLELY RESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS AND REGULATIONS.
- FOUNDATION:**
- MAXIMUM SOIL PRESSURE: 1000 PSF
- REINFORCED CONCRETE**
- ALL CONCRETE WORK SHALL CONFORM TO THE 'REQUIREMENTS FOR REINFORCED CONCRETE' (ACI 318) AND THE 'SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS' (ACI 301), LATEST APPROVED EDITIONS, WITH MODIFICATIONS AS NOTED IN THESE DRAWINGS & SPECIFICATIONS.
  - ALL REINFORCING DETAILING SHALL CONFORM TO THE CONCRETE REINFORCING STEEL INSTITUTE 'MANUAL OF STANDARD PRACTICE' LATEST EDITION.
  - NO SPECIAL INSPECTION FOR CONCRETE WORK IS REQUIRED ALL STRUCTURAL CONCRETE WORK.
  - ALL REINFORCING STEEL SHOP DRAWINGS SHALL BE REVIEWED BY THE ARCHITECT OR ENGINEER OF RECORD, PRIOR TO FABRICATION.
  - CONCRETE STRENGTHS: THE CONCRETE STRENGTHS SHOWN IN THE FOLLOWING TABLE ARE MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS, THE AGGREGATES SHOWN ARE THE MAXIMUM SIZE (INCHES) AND THE SLUMP SHOWN IS THE MAXIMUM (INCHES).
- | ITEM OF CONSTRUCTION (145 P.C.F. AVG. U.N.O.) | STRENGTH | AGGREGATE | SLUMP |
|---|----------|-----------|-------|
| CEMENT TYPE II / V                            |          |           |       |
| A DRIVEWAY                                    | 4000 PSI | 1         | 3     |
| B MECHANICAL PAD                              | 2500 PSI | 1         | 3     |
| C TEMPORARY STRUCTURE PAD                     | 3000 PSI | 1         | 3     |
- MINIMUM PROTECTIVE CONCRETE COVER OF REINFORCING:
    - ON EARTH SIDE WHEN PLACED AGAINST EARTH.....3 IN.
    - ON EARTH SIDE WHEN FORMED.....2 IN.
    - CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND.
  - BEAMS, COLUMNS.....1 1/2" TYP (TO TIE)
  - NO PIPES OR DUCTS SHALL BE PLACED IN CONCRETE COLUMNS, WALLS OR SLABS UNLESS SPECIFICALLY DETAILED OR UNLESS SLEEVES ARE PROVIDED IN ACCORDANCE WITH THE TYPICAL DETAIL.
  - WALLS AND COLUMNS SHALL BE DOWELED FROM SUPPORTS WITH BARS OF THE SAME SIZE & SPACING.
  - REFER TO THE ARCHITECTURAL, MECHANICAL AND ELECTRICAL DRAWINGS FOR LOCATIONS OF PIPES, DUCTS, VENTS AND SIMILAR OPENINGS.
  - REINFORCING ANCHOR BOLTS AND ALL OTHER EMBEDDED ITEMS SHALL BE SECURELY HELD IN POSITION AND SHALL BE INSPECTED PRIOR TO PLACING CONCRETE.
  - CHAMFER: 3/4" ON ALL EXPOSED CORNERS.
- REINFORCING STEEL**
- DETAILS OF REINFORCEMENT SHALL BE IN ACCORDANCE WITH CHAPTER 7 OF 'AMERICAN CONCRETE INSTITUTE 318' UNLESS OTHERWISE NOTED. REINFORCING STEEL DETAILING, BENDING & PLACING SHALL BE IN ACCORDANCE WITH THE CONCRETE REINFORCING STEEL INSTITUTE 'MANUAL OF STANDARD PRACTICE', LATEST EDITION.
  - WELDING OF REINFORCING STEEL, IF PERMITTED BY THE ARCHITECT, SHALL BE IN ACCORDANCE WITH THE 'STRUCTURAL WELDING CODE - REINFORCING STEEL' OF THE AMERICAN WELDING SOCIETY, AWS D1-4, AND SHALL BE PERFORMED BY WELDERS QUALIFIED UNDER THE PROCEDURES CONTAINED THEREIN.
  - ALL REINFORCING STEEL SHOP DRAWINGS SHALL BE REVIEWED BY THE STRUCTURAL ENGINEER & THE ARCHITECT PRIOR TO FABRICATION.
  - ALL REINFORCING STEEL SHALL CONFORM TO ASTM A-615, GRADE 60 FOR NO.5 AND LARGER, OTHERWISE GRADE 40. WELDED REBAR SHALL CONFORM TO ASTM 106.
  - WELDED WIRE FABRIC SHALL CONFORM TO ASTM 1-183, FLAT SHEETS.
  - WALLS AND COLUMNS SHALL BE DOWELED FROM SUPPORTS WITH BARS OF THE SAME SIZE AND SPACING.
  - SPACER TIES: PROVIDE A MINIMUM OF 3 TIES AT 24 INCHES IN ALL BEAMS & FOOTINGS.
  - SPLICE MINIMUM REINFORCING IN ACCORDANCE WITH THE TYPICAL DETAIL 4/E2.0.
  - PROVIDE MINIMUM EMBEDMENT OF REINFORCING IN CONFORMANCE WITH THE TYPICAL DETAIL.
  - LAP SPLICE WELDED WIRE FABRIC 8 INCHES MINIMUM.
  - BAR SUPPORTS SHALL BE PROVIDED IN ACCORDANCE WITH THE PROVISIONS OF 'BAR SUPPORT SPECIFICATION' BY THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI).
  - ALL REINFORCING STEEL, ANCHOR BOLTS AND OTHER EMBEDDED ITEMS SHALL BE SECURELY HELD IN POSITION AND INSPECTED PRIOR TO PLACING CONCRETE.

**REQUIRED VERIFICATION AND INSPECTIONS**

VERIFICATION AND INSPECTION	CONTINUOUS	PERIODIC	REFERENCED STANDARD	REF.
1. MATERIAL VERIFICATION OF STRUCTURAL EPOXY ANCHORS:				
A. IDENTIFICATION OF HILTI KNAIK TZ EXPANSION ANCHORS INSTALLED IN CONCRETE	X		DETAIL 3/81 ICC-ES ESR-1911	IBC

- SPECIAL INSPECTION NOTES**
- THE CONTRACTOR SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY FOR CONSTRUCTION OF ITEMS LISTED IN THE STATEMENT OF SPECIAL INSPECTIONS PRIOR TO THE COMMENCEMENT OF WORK.
  - A PROPERTY OWNER'S FINAL REPORT FORM FOR WORK REQUIRED TO HAVE SPECIAL INSPECTIONS, TESTINGS AND STRUCTURAL OBSERVATIONS MUST BE COMPLETED BY THE PROPERTY OWNER, PROPERTY OWNER'S AGENT OF RECORD, ARCHITECT OR RECORD OR ENGINEERING OF RECORD AND SUBMITTED TO THE INSPECTION SERVICES DIVISION.
  - A CERTIFICATE OF SATISFACTORY COMPLETION OF WORK REQUIRING SPECIAL INSPECTION MUST BE COMPLETED AND SUBMITTED TO THE INSPECTION SERVICES DIVISION.

**GENERAL NOTES & DETAILS S2.0**

PLANS FOR THE CONSTRUCTION OF SKYLINE TEMPORARY FIRE STATION

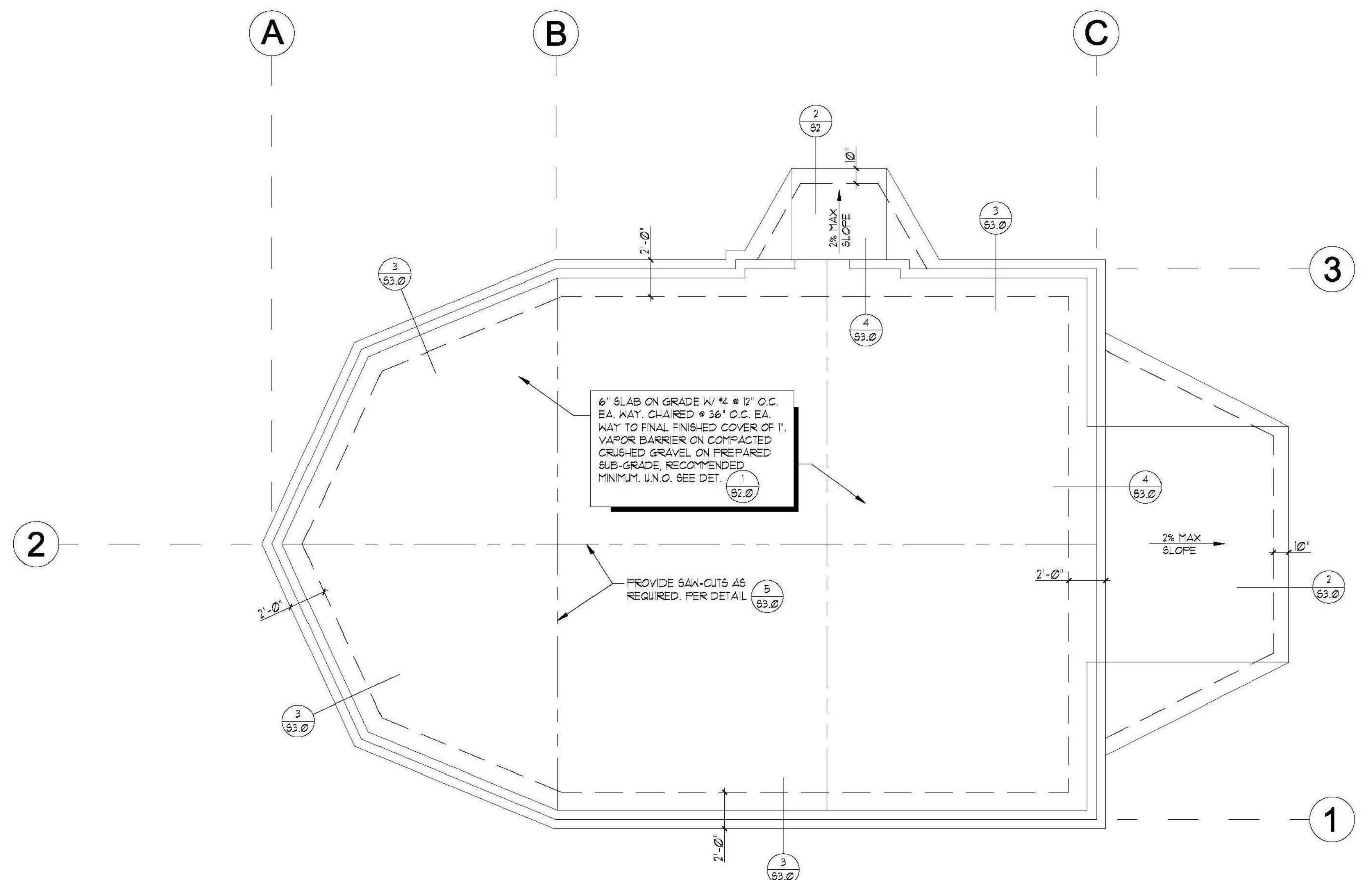
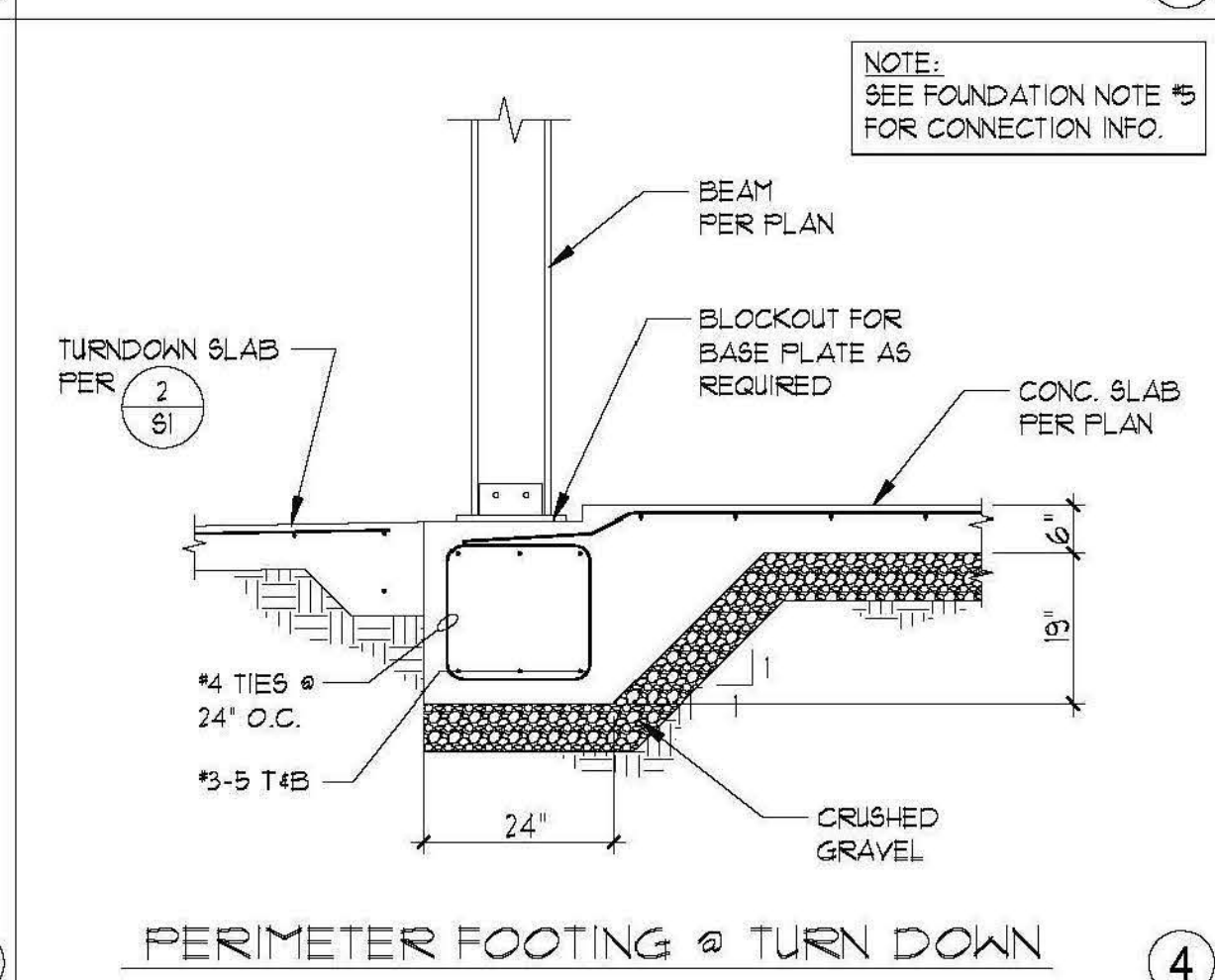
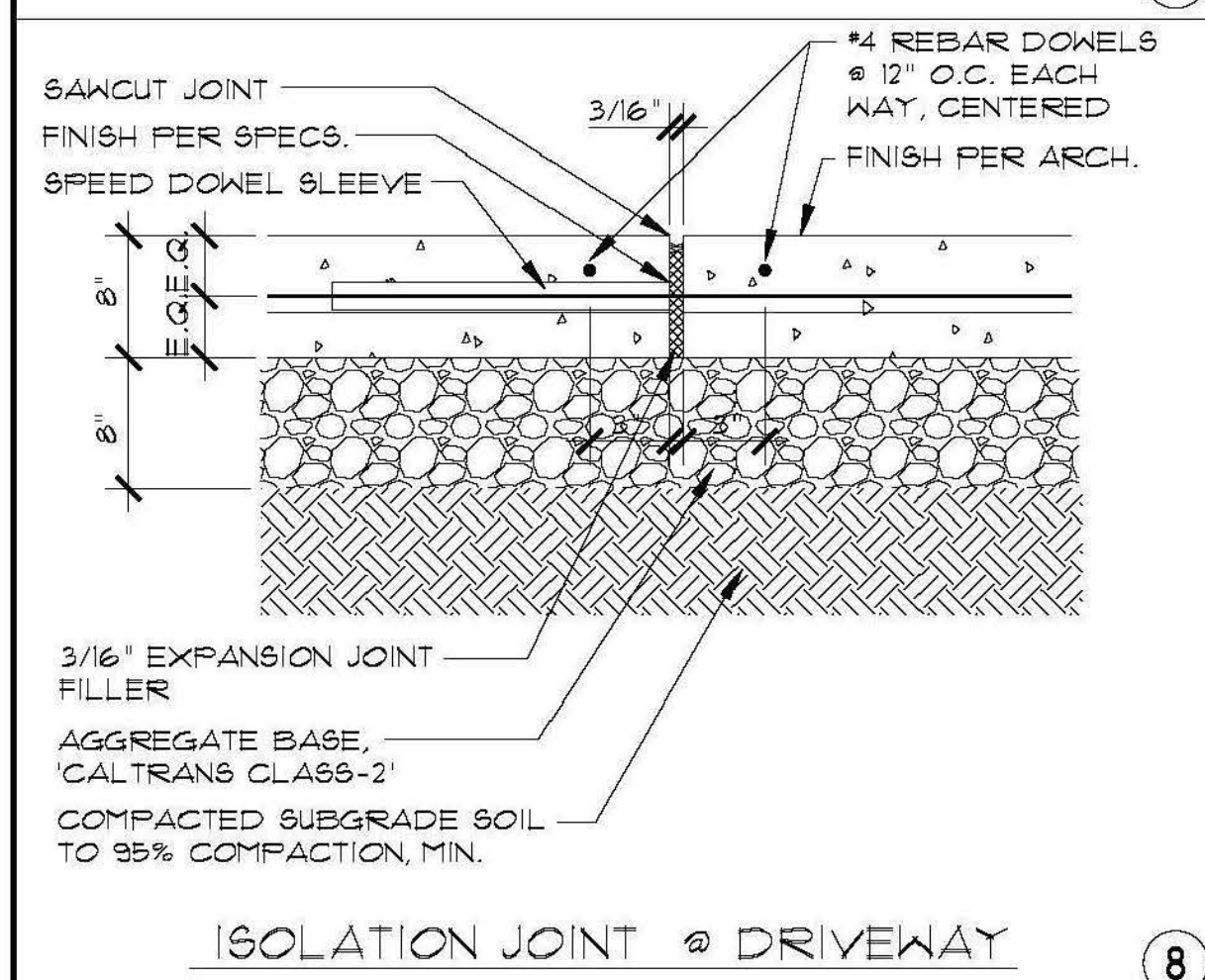
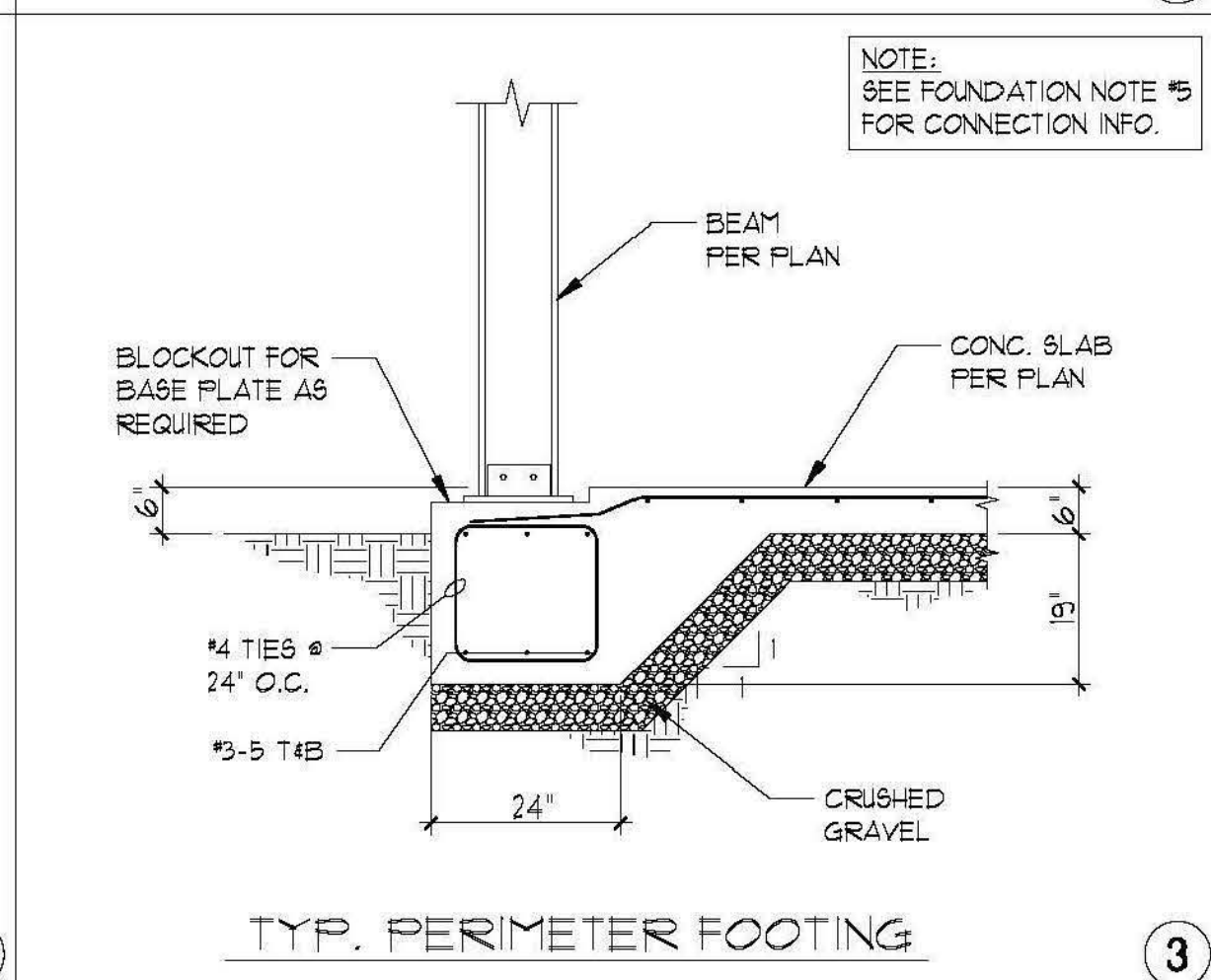
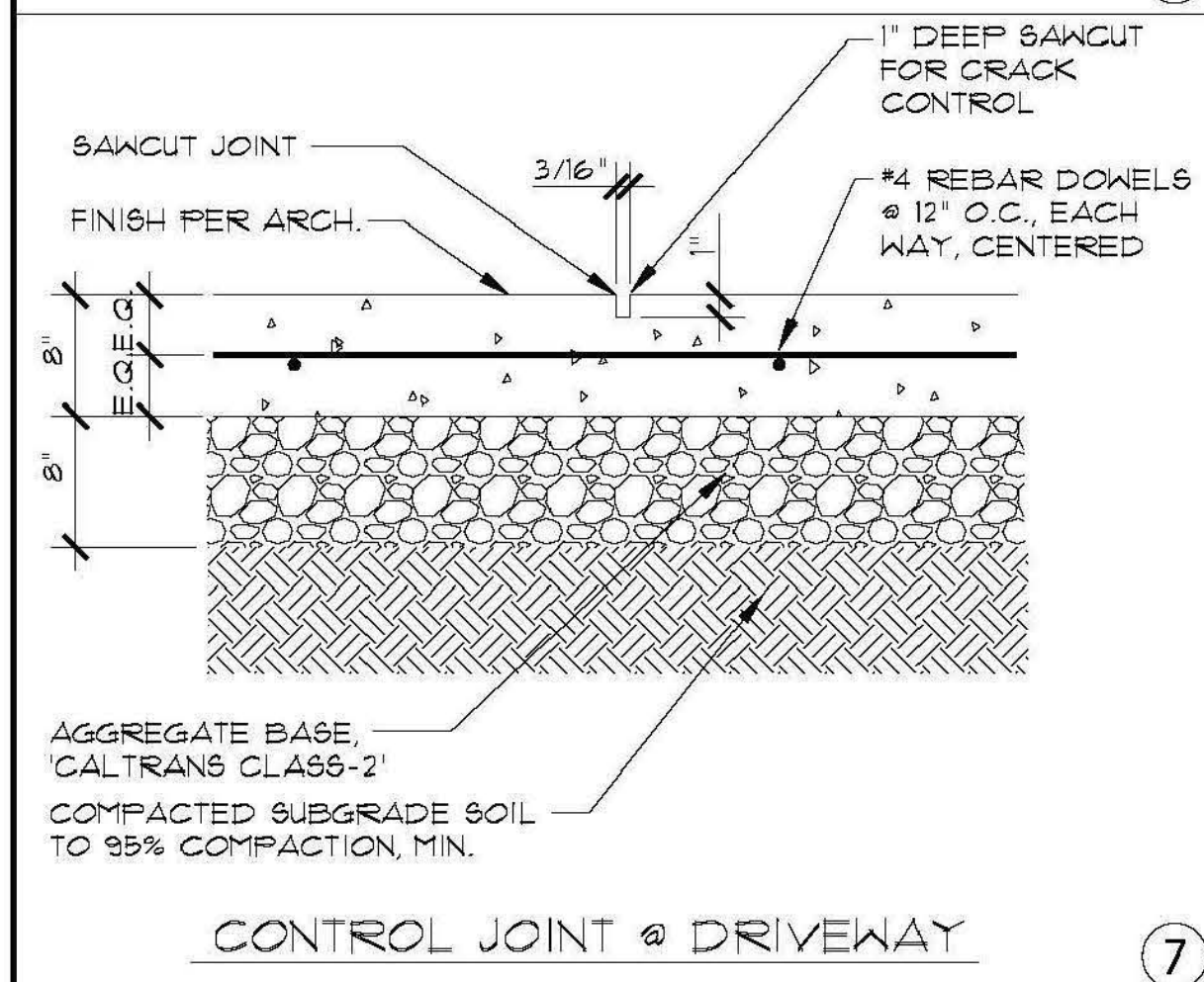
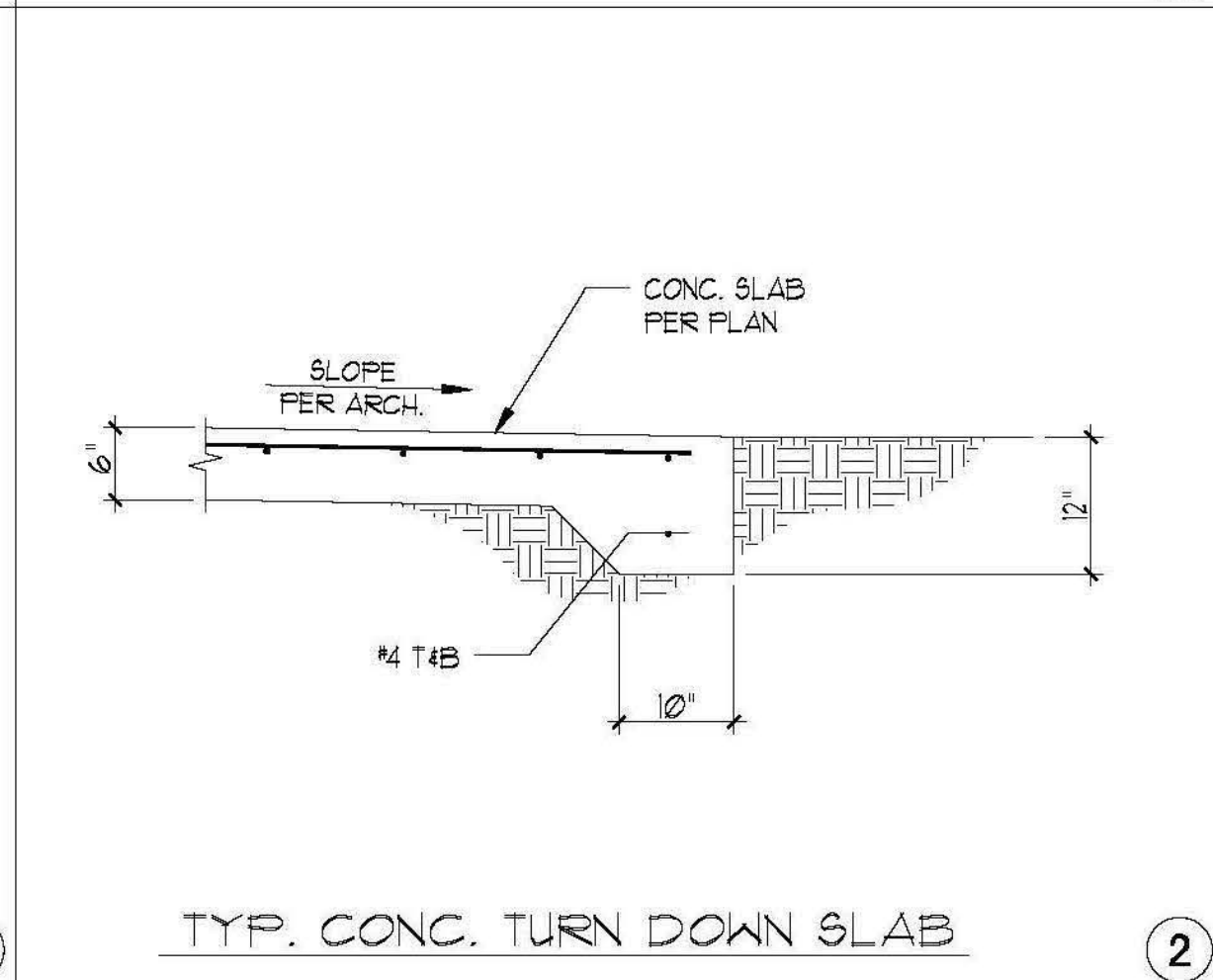
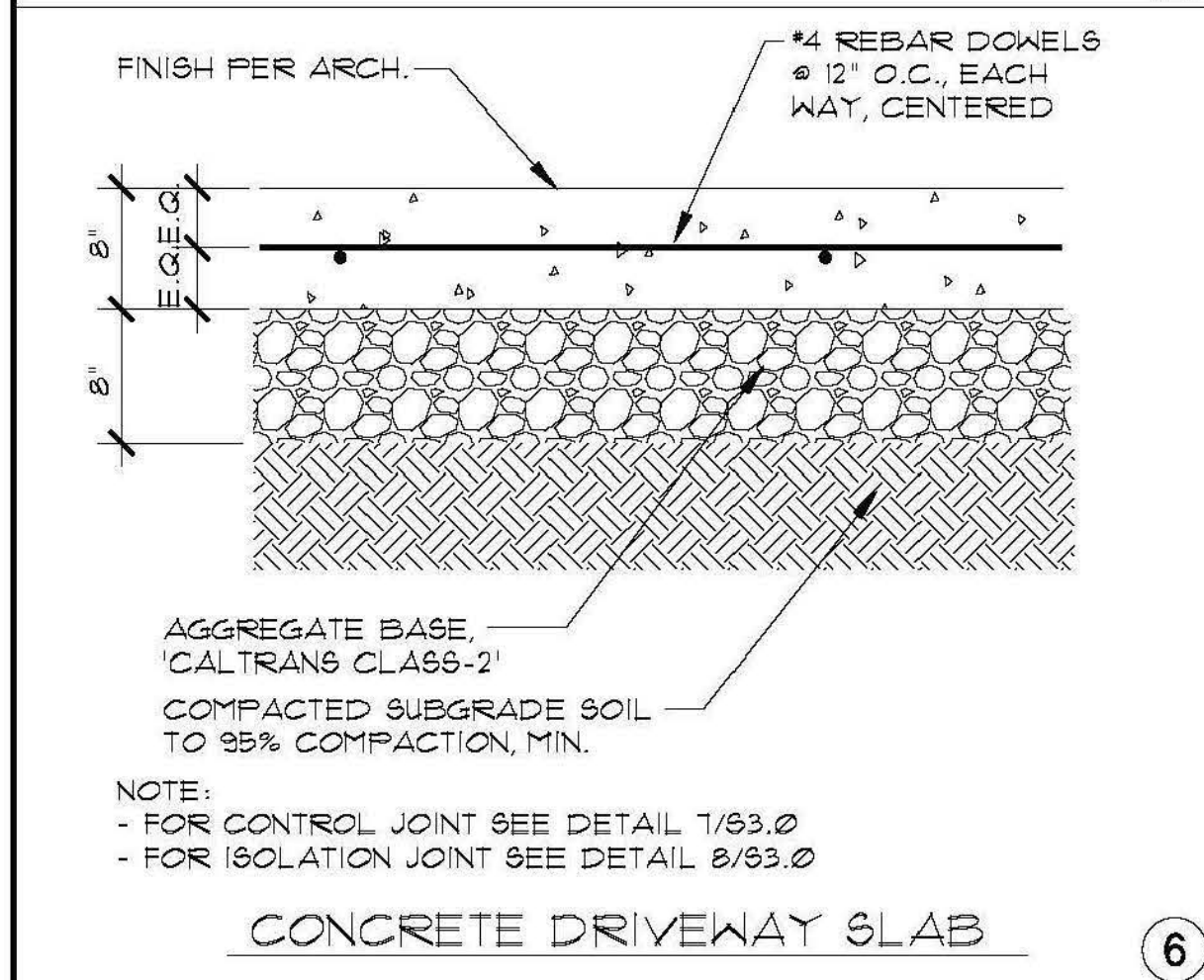
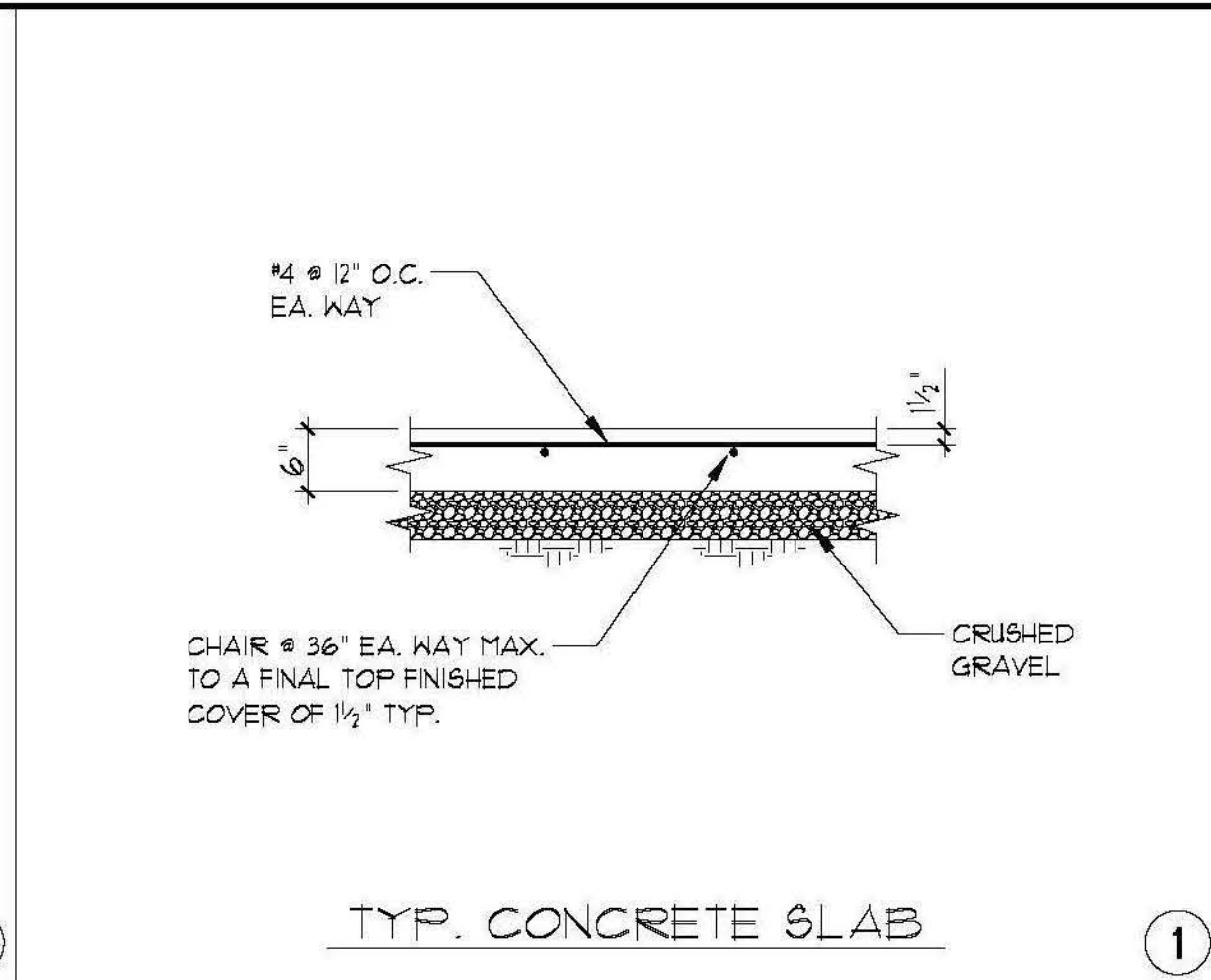
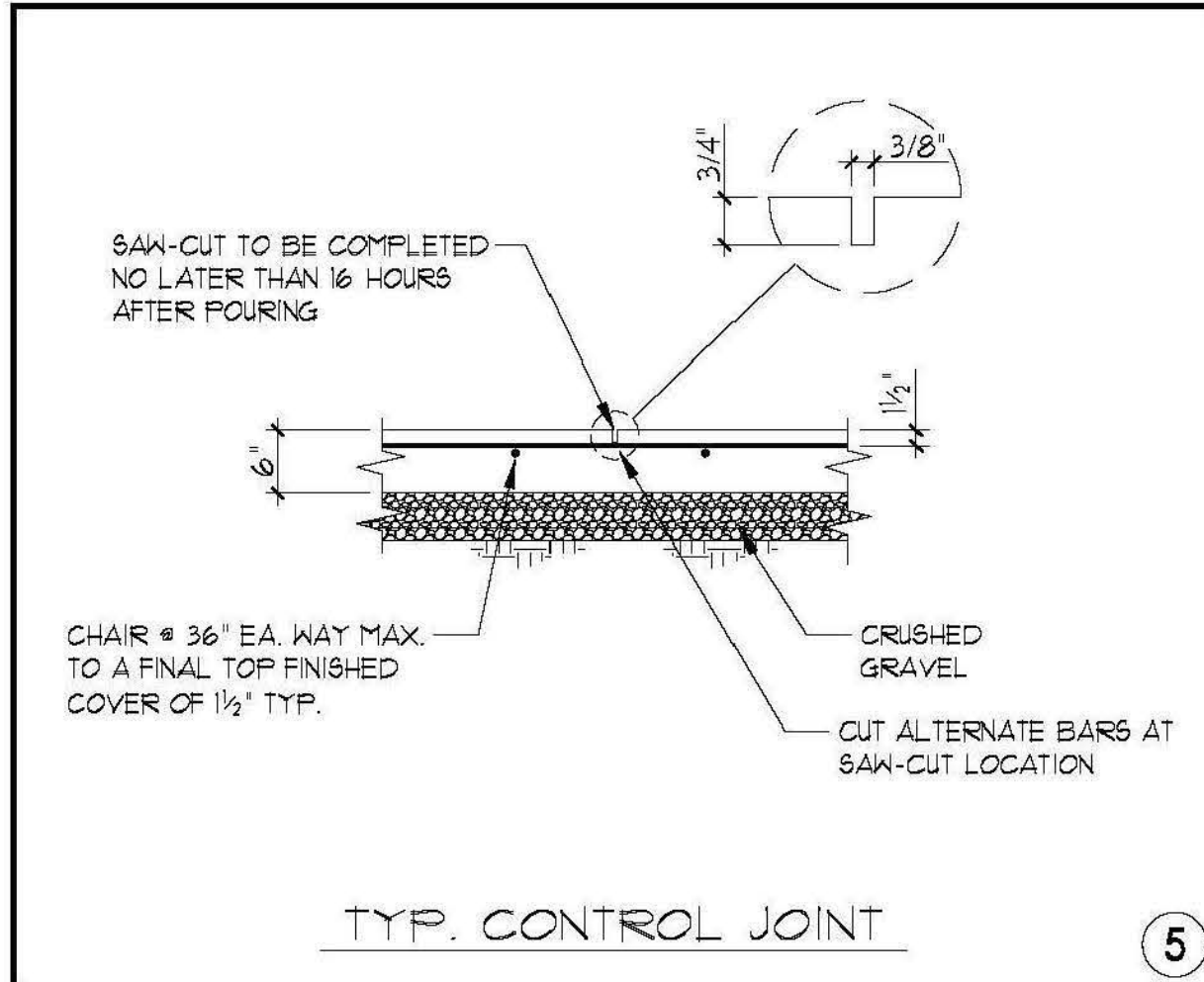
7180 SKYLINE DR. SAN DIEGO, CALIFORNIA 92114  
PARCEL ID. NO. 581-290-11-00

CITY OF SAN DIEGO, CALIFORNIA  
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT  
SHEET 19 OF 40 SHEETS

APPROVED: *[Signature]* 12/19/2014  
CITY ENGINEER DATE

SUBMITTED BY: RONALDA JADAN ASSOCIATE ENGINEER  
MICHAEL RAMIREZ PROJECT MANAGER  
194-1755  
1834-6315  
38317 - 19D

CONTRACTOR: \_\_\_\_\_ DATE STARTED: \_\_\_\_\_  
INSPECTOR: \_\_\_\_\_ DATE COMPLETED: \_\_\_\_\_



**FOUNDATION PLAN**  
SCALE: 1/4" = 1'-0"

**FOUNDATION NOTES**

- REFER TO SHEETS 81 FOR GENERAL NOTES & STANDARD DETAILS. THESE NOTES & DETAILS SHALL BE USED WHERE APPLICABLE WHETHER SPECIFICALLY REFERENCED OR NOT.
- REFER TO ARCHITECTURAL DRAWINGS FOR THE FOLLOWING:  
A. ALL DIMENSIONS NOT SHOWN.  
B. ALL OPENINGS NOT SHOWN.  
C. ALL NON-BEARING WALL NOT SHOWN.
- ALL EXTERIOR WALLS MANUFACTURE, U.N.O.
- FASTENERS FOR PRESERVATIVE-TREATED WOOD AND FIRE-RETARDANT-TREATED WOOD SHALL BE OF HOT DIPPED ZINC-COATED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE OR COPPER (CRG R311.3)
- THE CONNECTION OF THE APPARATUS SHELTER TO THE FOUNDATION TO BE PROVIDED UNDER A SEPARATE PERMIT.

FOUNDATION PLAN & DETAILS **S3.0**

PLANS FOR THE CONSTRUCTION OF SKYLINE TEMPORARY FIRE STATION  
7180 SKYLINE DR. SAN DIEGO, CALIFORNIA 92114  
PARCEL ID. NO. 581-290-11-00

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 20 OF 40 SHEETS			WBS: S-00687
APPROVED: [Signature]	12/19/2014	SUBMITTED BY: ROWAIDA JADAN, ASSOCIATE ENGINEER	
CITY ENGINEER	DATE	PROJECT MANAGER: MICHAEL RAMIREZ	
DESCRIPTION	BY	APPROVED	DATE
CONTRACTOR	DATE STARTED	194-1755	CCS27 COORDINATE
INSPECTOR	DATE COMPLETED	1834-6315	CCS83 COORDINATE
		38317 - 20D	

CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

WARNING

0 1

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

CITY OF SAN DIEGO  
PUBLIC WORKS PROJECT



TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH MEDIUM LOW

**RAR ENGINEERING**  
RICARDO A. REYES P.E.  
2900 FOURTH AVE. STE. 201  
SAN DIEGO, CA 92103  
PH. (619) 293-0960  
FAX (619) 293-3058

CITY CONTRACT SPECIAL INSPECTION NO. C.I.P. NO.00-000.0







**WATER PRESSURE CALCULATIONS**

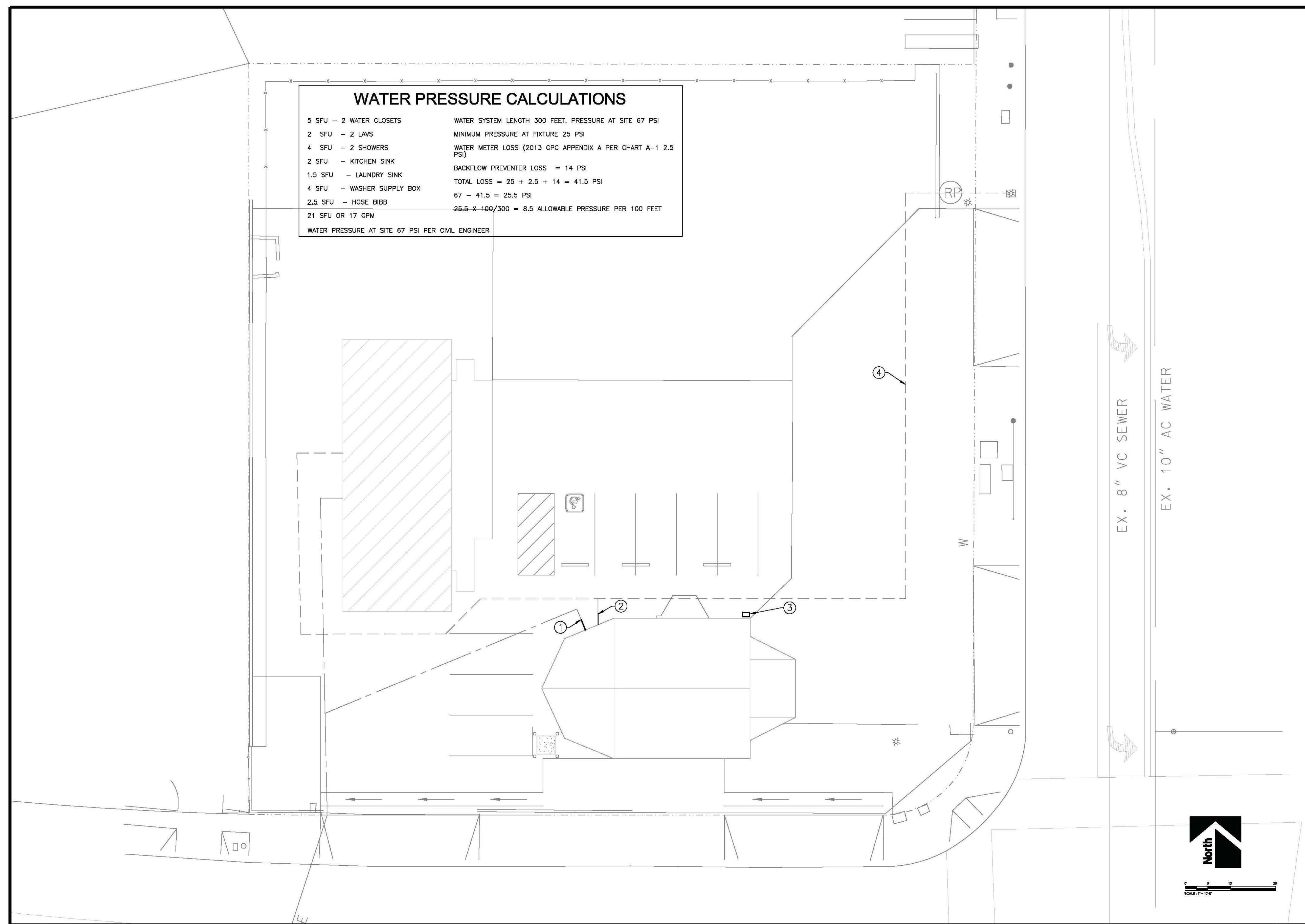
5 SFU - 2 WATER CLOSETS	WATER SYSTEM LENGTH 300 FEET. PRESSURE AT SITE 67 PSI
2 SFU - 2 LAVS	MINIMUM PRESSURE AT FIXTURE 25 PSI
4 SFU - 2 SHOWERS	WATER METER LOSS (2013 CPC APPENDIX A PER CHART A-1 2.5 PSI)
2 SFU - KITCHEN SINK	BACKFLOW PREVENTER LOSS = 14 PSI
1.5 SFU - LAUNDRY SINK	TOTAL LOSS = 25 + 2.5 + 14 = 41.5 PSI
4 SFU - WASHER SUPPLY BOX	67 - 41.5 = 25.5 PSI
2.5 SFU - HOSE BIBB	25.5 x 100/300 = 8.5 ALLOWABLE PRESSURE PER 100 FEET
21 SFU OR 17 GPM	
WATER PRESSURE AT SITE 67 PSI PER CIVIL ENGINEER	

**GENERAL NOTES**

- A. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL PIPING AND UTILITIES PRIOR TO START OF WORK. IN THE EVENT OF ANY DISCREPANCIES OR POTENTIAL CONFLICTS, NOTIFY THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.
- B. ALL PIPING LOCATIONS ARE DIAGRAMMATIC. CONTRACTOR SHALL COORDINATE WITH ALL TRADES AND OWNER'S REPRESENTATIVE AND VERIFY EXACT ROUTING PRIOR TO START OF WORK.
- C. VERIFY EXACT SIZE AND LOCATION OF ALL PLUMBING CONNECTIONS TO MECHANICAL EQUIPMENT PRIOR TO START OF WORK. IN NO CASE SHALL THE CONNECTION SIZE BE LARGER THAN THE BRANCH PIPING SIZE.
- D. KITCHEN FAUCET WILL NOT EXCEED 1.8 GALLONS PER MINUTE.

**KEY NOTES**

- ① 2" UNDERGROUND WASTE P.O.C. SEE PLUMBING PLAN P2.1 FOR CONTINUATION
- ② 3/4" UNDERGROUND WATER P.O.C. SEE PLUMBING PLAN P2.1 FOR CONTINUATION.
- ③ PROPOSED LOCATION OF HOSE BIBB. CONTRACTOR TO PROVIDE HOSE BIBB. CONNECT TO NEAREST WATER SERVICE.
- ④ WATER MAIN SERVICE PER CIVIL.



**PLUMBING SITE PLAN**

**PLUMBING SITE PLAN P1.1**

**PLANS FOR THE CONSTRUCTION OF SKYLINE TEMPORARY FIRE STATION**  
 7180 SKYLINE DR. SAN DIEGO, CALIFORNIA 92114  
 PARCEL ID. NO. 581-290-11-00

CITY OF SAN DIEGO, CALIFORNIA  
 ENGINEERING AND CAPITAL PROJECTS DEPARTMENT  
 SHEET 22 OF 40 SHEETS  
 WBS: S-00687

CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

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

**CITY OF SAN DIEGO**  
**PUBLIC WORKS PROJECT**



TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH MEDIUM LOW

**T-SQUARED**  
 PROFESSIONAL ENGINEERS, INC.  
 1340 SPECIALTY DR.  
 SUITE E  
 VISTA, CA 92081  
 TEL: (760) 560-0100  
 FAX: (760) 560-0101  
 E-Mail: admin@tsqeng.com  
 www.tsqeng.com

#14101  
 10-07-14

ED MD DP ED

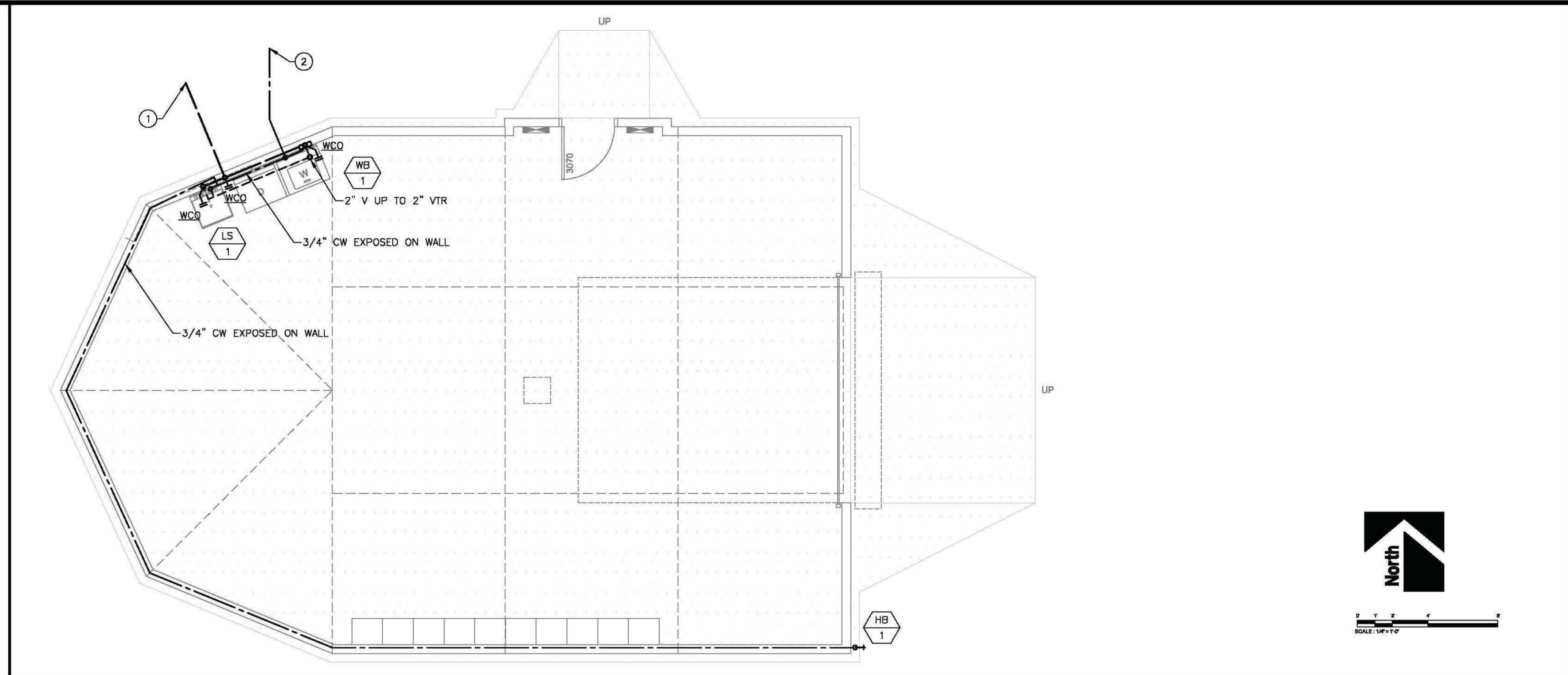
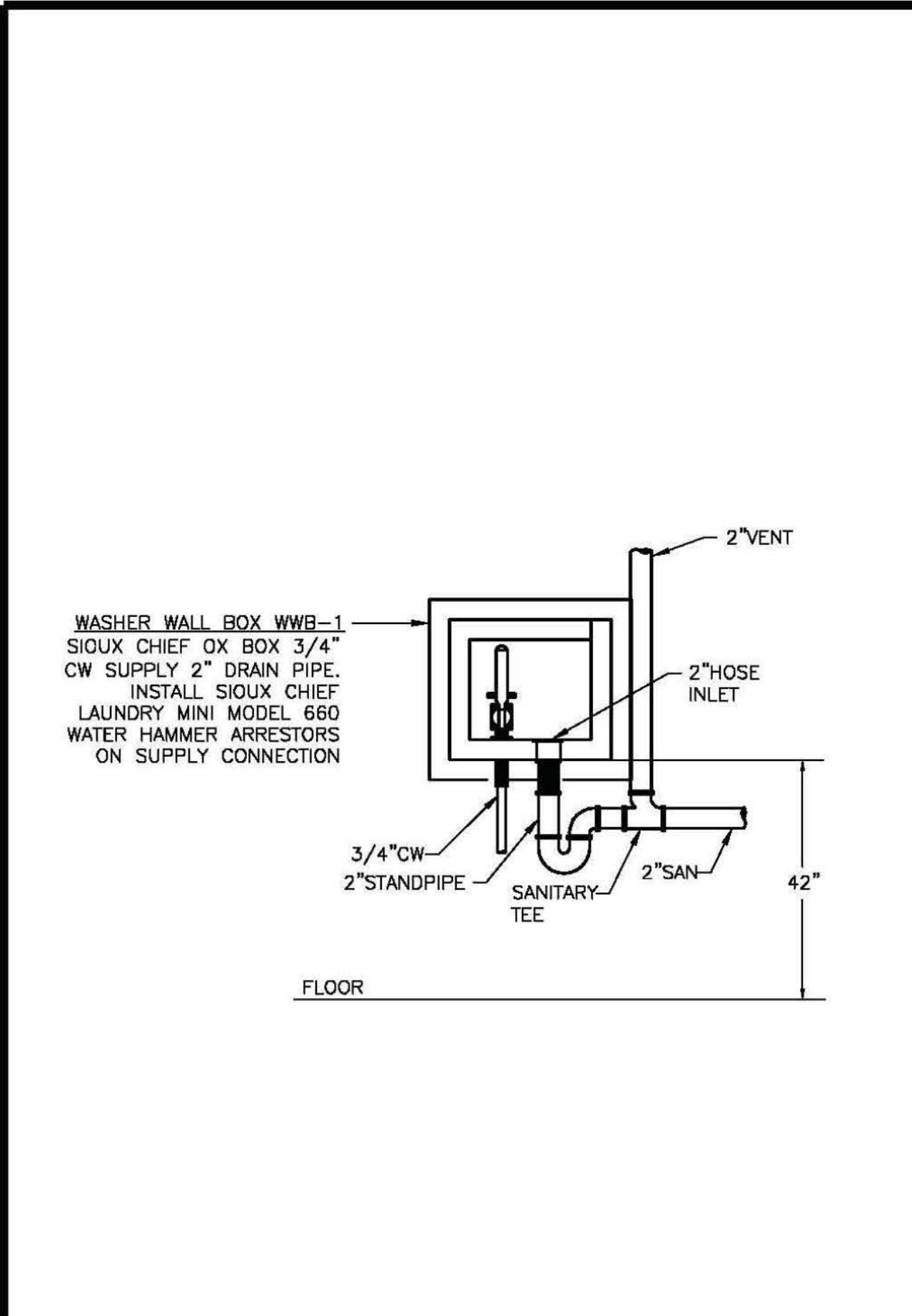
CITY CONTRACT SPECIAL INSPECTION NO. C.I.P. NO.00-000.0

SCALE 1  
 3/8" = 1'-0"

STAMP & SIGNATURE

APPROVED:	DATE: 12/19/2014	SUBMITTED BY: ROWAIDA JADAN
CITY ENGINEER	DATE	ASSOCIATE ENGINEER
DESCRIPTION	BY	APPROVED
		DATE
		FILMED
CONTRACTOR	DATE STARTED	
INSPECTOR	DATE COMPLETED	
		38317 - 22D

SKYLINE TEMPORARY FIRE STATION



**GENERAL NOTES**

A. CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF ALL PIPING AND UTILITIES PRIOR TO START OF WORK. IN THE EVENT OF ANY DISCREPANCIES OR POTENTIAL CONFLICTS, NOTIFY THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.

B. ALL PIPING LOCATIONS ARE DIAGRAMMATIC. CONTRACTOR SHALL COORDINATE WITH ALL TRADES AND OWNER'S REPRESENTATIVE AND VERIFY EXACT ROUTING PRIOR TO START OF WORK.

C. VERIFY EXACT SIZE AND LOCATION OF ALL PLUMBING CONNECTIONS TO MECHANICAL EQUIPMENT PRIOR TO START OF WORK. IN NO CASE SHALL THE CONNECTION SIZE BE LARGER THAN THE BRANCH PIPING SIZE.

D. KITCHEN FAUCET WILL NOT EXCEED 1.8 GALLONS PER MINUTE.

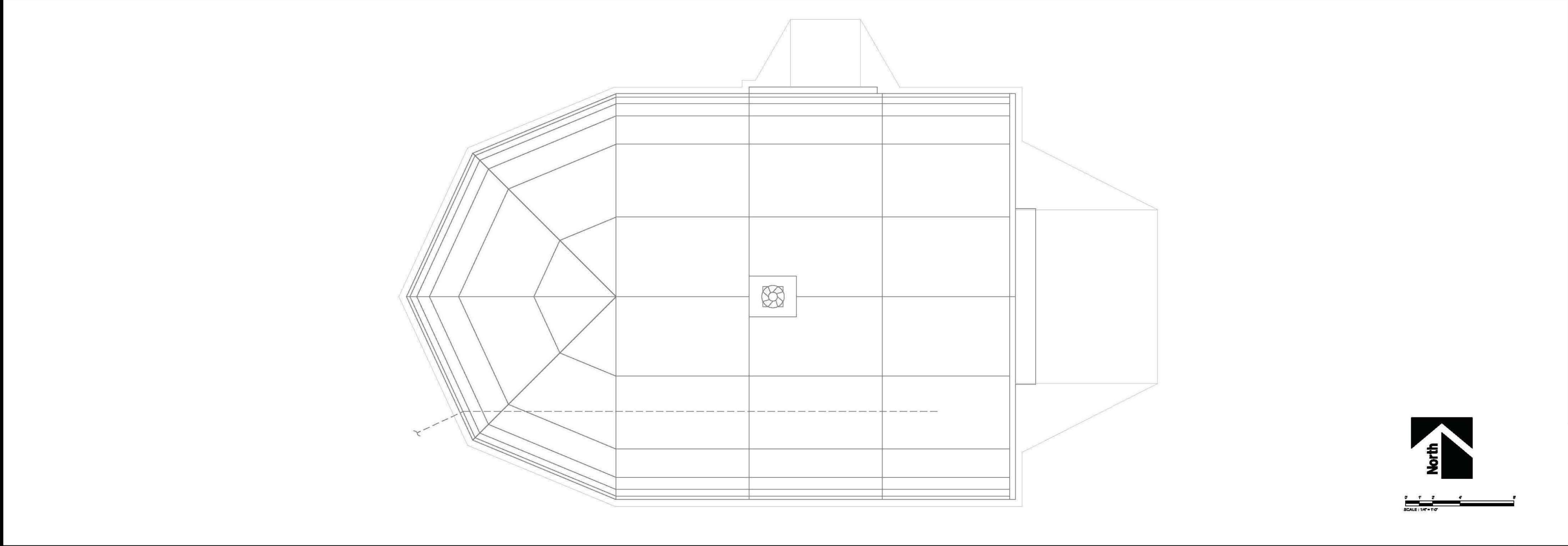
**KEY NOTES**

① 2" UNDERGROUND WASTE P.O.C. SEE P1.1 AND CIVIL PLANS FOR CONTINUATION.

② 3/4" UNDERGROUND WATER P.O.C. SEE P1.1 AND CIVIL PLANS FOR CONTINUATION.

**WASHER BOX DETAIL** SCALE 1/4"=1'-0" 3

**PLUMBING SPRUNG STRUCTURE FLOOR PLAN** SCALE 1/4"=1'-0" 1



**PLUMBING SPRUNG STRUCTURE ROOF PLAN** SCALE 1/4"=1'-0" 2

**PLUMBING FLOOR PLANS & DETAIL** P2.1

**PLANS FOR THE CONSTRUCTION OF SKYLINE TEMPORARY FIRE STATION**  
7180 SKYLINE DR. SAN DIEGO, CALIFORNIA 92114  
PARCEL ID. NO. 581-290-11-00

CITY OF SAN DIEGO, CALIFORNIA  
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT  
SHEET 23 OF 40 SHEETS

WBS: S-00687

APPROVED: *[Signature]* 12/19/2014  
CITY ENGINEER DATE

SUBMITTED BY: ROWAIDA JADAN  
ASSOCIATE ENGINEER

DESCRIPTION	BY	APPROVED	DATE	FILMED

PROJECT MANAGER: MICHAEL RAMIREZ  
194-1755  
COORDINATE: 1834-6315  
COORDINATE

CONTRACTOR: \_\_\_\_\_ DATE STARTED: \_\_\_\_\_  
INSPECTOR: \_\_\_\_\_ DATE COMPLETED: \_\_\_\_\_

38317 - 23D

CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

**WARNING**

0 1

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CITY OF SAN DIEGO  
PUBLIC WORKS PROJECT

TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH MEDIUM LOW

**T-SQUARED**  
PROFESSIONAL ENGINEERS, INC.  
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FAX: (760) 560-0101  
E-Mail: admin@tsqeng.com  
www.tsqeng.com

#14101  
10-06-14

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CITY CONTRACT SPECIAL INSPECTION NO. C.I.P. NO.00-000.0

STAMP & SIGNATURE

SKYLINE TEMPORARY FIRE STATION





SECTION 15410 - PLUMBING FIXTURES

PART 1 GENERAL

- 1.01 SECTION INCLUDES
  - A. LAUNDRY SINK.
- 1.02 RELATED SECTIONS
  - A. SECTION 07900 - JOINT SEALERS: SEAL FIXTURES TO WALLS AND FLOORS.
  - B. SECTION 15145 - PLUMBING PIPING.
  - C. SECTION 15146 - PLUMBING SPECIALTIES.
  - D. SECTION 15430 - PLUMBING EQUIPMENT.
- 1.03 SUBMITTALS
  - A. SEE SECTION 01300 - ADMINISTRATIVE REQUIREMENTS, FOR SUBMITTAL PROCEDURES.
  - B. PRODUCT DATA: PROVIDE CATALOG ILLUSTRATIONS OF FIXTURES, SIZES, ROUGH-IN DIMENSIONS, UTILITY SIZES, TRIM, AND FINISHES.
  - C. MANUFACTURER'S INSTRUCTIONS: INDICATE INSTALLATION METHODS AND PROCEDURES.
  - D. MAINTENANCE DATA: INCLUDE FIXTURE TRIM EXPLODED VIEW AND REPLACEMENT PARTS LISTS.
  - E. WARRANTY: SUBMIT MANUFACTURER WARRANTY AND ENSURE FORMS HAVE BEEN COMPLETED IN OWNER'S NAME AND REGISTERED WITH MANUFACTURER.
- 1.04 QUALITY ASSURANCE
  - A. MANUFACTURER QUALIFICATIONS: COMPANY SPECIALIZING IN MANUFACTURING THE TYPE OF PRODUCTS SPECIFIED IN THIS SECTION, WITH MINIMUM THREE YEARS OF DOCUMENTED EXPERIENCE.
- 1.05 REGULATORY REQUIREMENTS
  - A. PRODUCTS REQUIRING ELECTRICAL CONNECTION: LISTED AND CLASSIFIED BY UNDERWRITERS LABORATORIES INC., AS SUITABLE FOR THE PURPOSE SPECIFIED AND INDICATED.
- 1.06 DELIVERY, STORAGE, AND PROTECTION
  - A. ACCEPT FIXTURES ON SITE IN FACTORY PACKAGING. INSPECT FOR DAMAGE.
  - B. PROTECT INSTALLED FIXTURES FROM DAMAGE BY SECURING AREAS AND BY LEAVING FACTORY PACKAGING IN PLACE TO PROTECT FIXTURES AND PREVENT USE.
- 1.07 WARRANTY
  - A. SEE SECTION 01780 - CLOSEOUT SUBMITTALS, FOR ADDITIONAL WARRANTY REQUIREMENTS.
  - B. PROVIDE FIVE YEAR MANUFACTURER WARRANTY FOR ELECTRIC WATER COOLER.
- 1.08 EXTRA MATERIALS
  - A. SEE SECTION 01600 - PROJECT REQUIREMENTS, FOR ADDITIONAL PROVISIONS.
  - B. SUPPLY TWO SETS OF FAUCET WASHERS, FLUSH VALVE SERVICE KITS, LAVATORY SUPPLY FITTINGS, SHOWER HEADS, AND TOILET SEATS.


PART 2 PRODUCTS

- 2.01 LAUNDRY SINK
  - A. MANUFACTURERS:
    - 1. FLORESTONE MODEL FM
    - 2. SUBSTITUTIONS: SEE SECTION 01600 - PRODUCT REQUIREMENTS.
  - B. PLASTIC POLYMER:
    - 1. IAMPPO/AMSI Z124.6.
      - a. 23"x22"x35" FLOOR MOUNTED
      - b. FOUR HEAVY DUTY MOLDED LEGS
  - C. SUPPLY FAUCET MANUFACTURERS:
    - 1. CHICAGO FAUCET
    - 2. SUBSTITUTIONS: SEE SECTION 01600 - PRODUCT REQUIREMENTS.
  - D. SUPPLY FAUCET:
    - 1. CHICAGO FAUCET 349-L9ABCP FAUCET DECK MOUNTED SINGLE HOLE SINGLE SUPPLY WITH 9-1/2" SWING SPOUT

PART 3 EXECUTION

- 3.01 EXAMINATION
    - A. VERIFY THAT WALLS AND FLOOR FINISHES ARE PREPARED AND READY FOR INSTALLATION OF FIXTURES.
  - 3.02 PREPARATION
    - A. ROUGH-IN FIXTURE PIPING CONNECTIONS IN ACCORDANCE WITH MINIMUM SIZES INDICATED IN FIXTURE ROUGH-IN SCHEDULE FOR PARTICULAR FIXTURES.
  - 3.03 INSTALLATION
    - A. INSTALL EACH FIXTURE WITH TRAP, EASILY REMOVABLE FOR SERVICING AND CLEANING.
    - B. PROVIDE CHROME PLATED RIGID OR FLEXIBLE SUPPLIES TO FIXTURES WITH LOOSE KEY STOPS, REDUCERS, AND ESCUTCHEONS.
    - C. INSTALL COMPONENTS LEVEL AND PLUMB.
    - D. INSTALL AND SECURE FIXTURES IN PLACE WITH WALL SUPPORTS AND BOLTS.
    - E. SEAL FIXTURES TO WALL AND FLOOR SURFACES WITH SEALANT AS SPECIFIED IN SECTION 07900, COLOR TO MATCH FIXTURE.
    - F. SOLIDLY ATTACH WATER CLOSETS TO FLOOR WITH LAG SCREWS. LEAD FLASHING IS NOT INTENDED HOLD FIXTURE IN PLACE.
  - 3.04 INTERFACE WITH WORK OF OTHER SECTIONS
    - A. REVIEW MILLWORK SHOP DRAWINGS. CONFIRM LOCATION AND SIZE OF FIXTURES AND OPENINGS BEFORE ROUGH-IN AND INSTALLATION.
  - 3.05 ADJUSTING
    - A. ADJUST STOPS OR VALVES FOR INTENDED WATER FLOW RATE TO FIXTURES WITHOUT SPLASHING, NOISE, OR OVERFLOW.
  - 3.06 CLEANING AND PROTECTION
    - A. CLEAN PLUMBING FIXTURES AND EQUIPMENT.
    - B. DO NOT PERMIT USE OF FIXTURES.
  - 3.07 SCHEDULES
    - A. FIXTURE ROUGH-IN
      - 1. SEE FIXTURE SCHEDULE ON PLANS.
- END OF SECTION 15410

CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

**WARNING**  
  
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CITY OF SAN DIEGO  
PUBLIC WORKS PROJECT



TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH \_\_\_\_\_ MEDIUM \_\_\_\_\_ LOW \_\_\_\_\_

SPEC NO. 0-00-0000-000-0-0

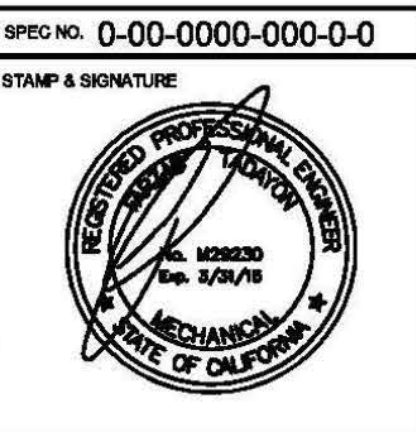
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**T-SQUARED**  
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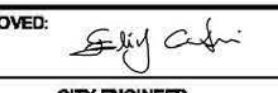
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CITY CONTRACT SPECIAL INSPECTION NO. C.I.P. NO.00-000-0



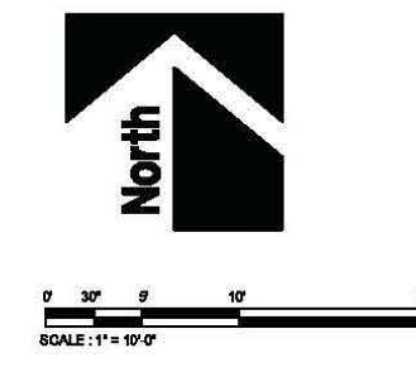
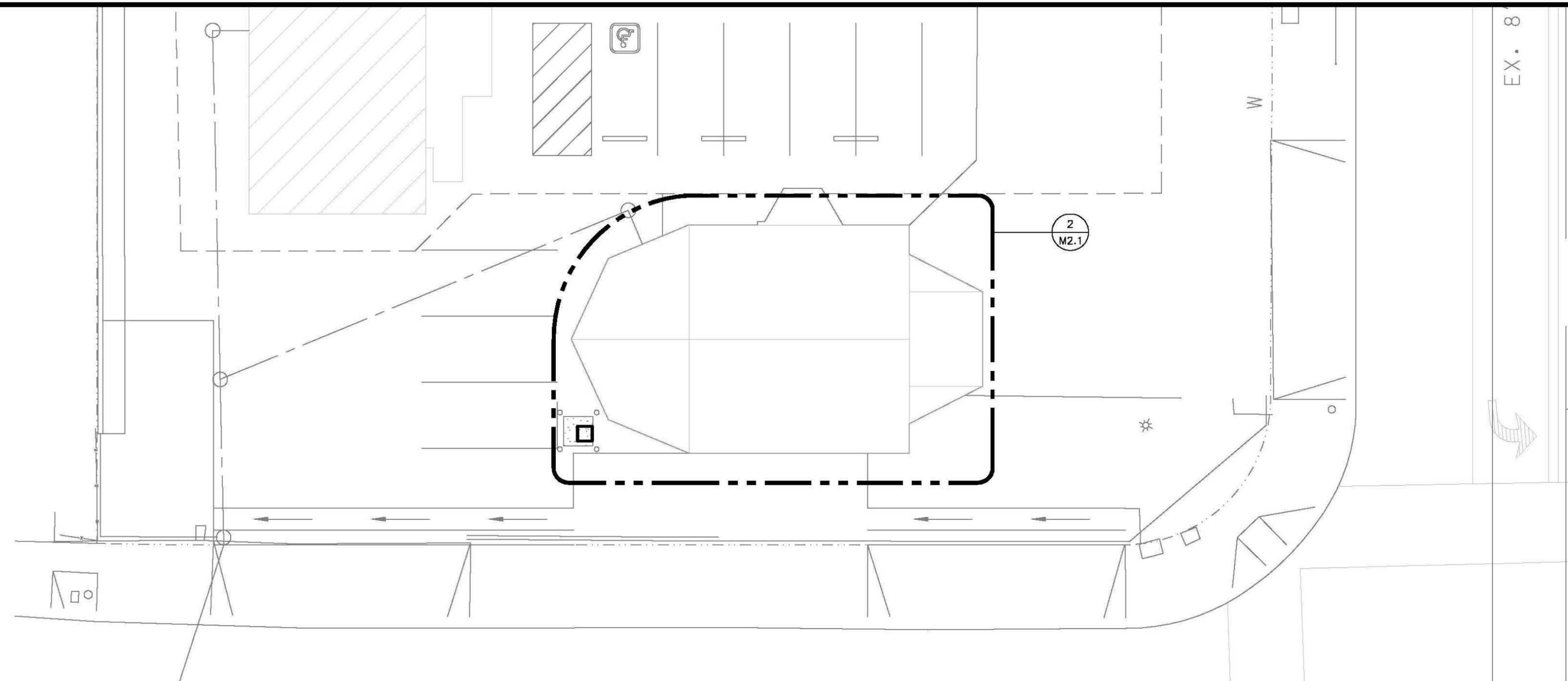
**PLUMBING SPECIFICATIONS P4.3**

**PLANS FOR THE CONSTRUCTION OF SKYLINE TEMPORARY FIRE STATION**  
 7180 SKYLINE DR. SAN DIEGO, CALIFORNIA 92114  
 PARCEL ID. NO. 581-290-11-00

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 26 OF 40 SHEETS		WBS: S-00687
APPROVED: 	DATE: 12/19/2014	SUBMITTED BY: ROWAIDA JADAN ASSOCIATE ENGINEER
CITY ENGINEER		PROJECT MANAGER: MICHAEL RAMIREZ
DESCRIPTION	BY	APPROVED
		DATE
		FILMED
CONTRACTOR	DATE STARTED	
INSPECTOR	DATE COMPLETED	
		38317 - 26D

SKYLINE TEMPORARY FIRE STATION





**GENERAL NOTES**

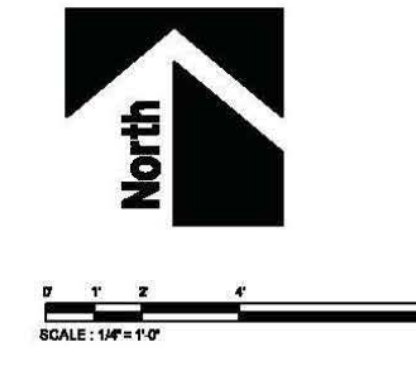
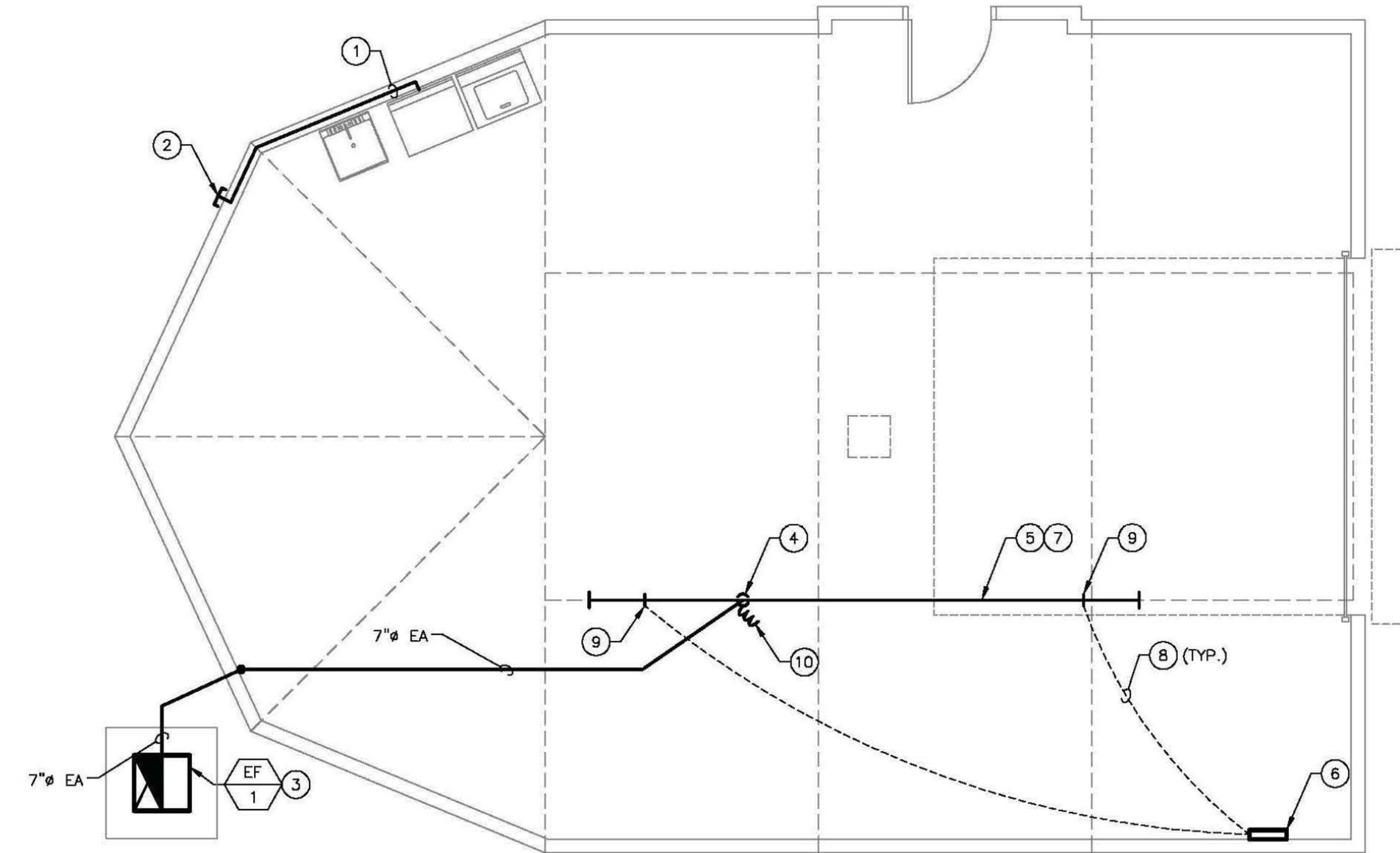
- A. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS, DETERMINING EXTENT OF DEMOLITION, AND COORDINATE WITH ALL OTHER TRADES. IN CASE OF DISCREPANCIES OR ANY POTENTIAL CONFLICTS, INFORM THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.
- B. ALL EXISTING EQUIPMENT, DUCTWORK AND AIR DISTRIBUTION DEVICES, WHICH ARE TO REMAIN, SHALL BE CLEANED AND REFURBISHED TO ORIGINAL WORKING CONDITION.
- C. ALL WORK TO BE DEMOLISHED OR REMOVED SHALL NOT BE RE-INSTALLED UNLESS NOTED OTHERWISE.

**KEY NOTES**

- ① 4" SMOOTH RIGID DRYER VENT IN WALL. PROVIDE WALL BOX.
- ② DRYER VENT TERMINATION PER DETAIL 1/M3.1.
- ③ VEHICLE EXHAUST SEE DETAIL 3/M3.1. TERMINATE MIN. 10'-0" A.F.G.
- ④ 7" VEHICLE EXHAUST DUCT. SEE 4/M3.1 FOR ATTACHMENT TO RAIL SYSTEM. SEE SPECIFICATION FOR MATERIAL & DETAIL 5/M3.1 FOR SUPPORT.
- ⑤ SLIDING BALANCER TRACK SYSTEM FOR VEHICLE EXHAUST. MOUNTING SHALL BE VERIFIED BY MANUFACTURER'S REP. MOUNT BOTTOM OF RAIL AT 14'-0" A.F.F.
- ⑥ VEHICLE EXHAUST REMOVAL SYSTEM CONTROL PANEL. VERIFY EXACT LOCATION WITH OWNER PRIOR TO START OF WORK. MOUNT PER MANUFACTURER'S RECOMMENDATIONS.
- ⑦ CONTRACTOR SHALL PROVIDE STRUCTURAL CROSS MEMBERS AS REQUIRED BY THE MANUFACTURER FOR SUPPORT OF EXHAUST REMOVAL SYSTEM.
- ⑧ ROUTE LOW VOLTAGE CONTROL WIRING IN CONDUIT TO SENSOR CONNECTION ON EACH RAIL.
- ⑨ SENSOR LOCATION FOR AUTO START. LOCATION SHALL BE WITHIN FIVE FEET OF FRONT & BACK OF RAIL. FOR ADDITIONAL DETAILS SEE SPECIFICATIONS AND MANUFACTURER'S INSTALLATION GUIDE.
- ⑩ FLEXIBLE EXHAUST HOSE, FITTINGS, & CONNECTIONS AS SPECIFIED AND PER MANUFACTURER'S RECOMMENDATIONS.

**MECHANICAL PARTIAL SITE PLAN**

SCALE 1  
1"=10'-0"



**MECHANICAL SPRUNG STRUCTURE FLOOR PLAN**

SCALE 2  
1/4"=1'-0"

**MECHANICAL PLANS** M2.1

**PLANS FOR THE CONSTRUCTION OF SKYLINE TEMPORARY FIRE STATION**  
7180 SKYLINE DR. SAN DIEGO, CALIFORNIA 92114  
PARCEL ID. NO. 581-290-11-00

CITY OF SAN DIEGO, CALIFORNIA  
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT  
SHEET 28 OF 40 SHEETS

APPROVED: <i>[Signature]</i>	DATE: 12/19/2014	SUBMITTED BY: ROWAIDA JADAN
CITY ENGINEER	DATE	ASSOCIATE ENGINEER
DESCRIPTION	BY	APPROVED
		DATE
		FILMED
		PROJECT MANAGER
		194-1755
		COORDINATE
		1834-6315
		COORDINATE
CONTRACTOR	DATE STARTED	38317 - 28D
INSPECTOR	DATE COMPLETED	

CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

**WARNING**  
0 1  
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

CITY OF SAN DIEGO  
PUBLIC WORKS PROJECT



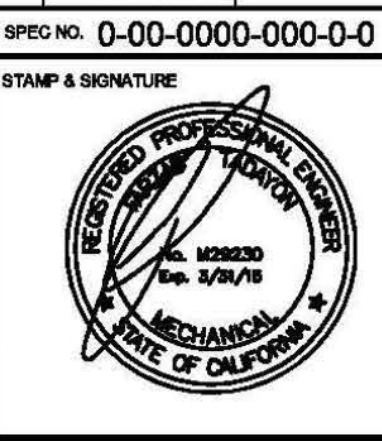
TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH \_\_\_\_\_ MEDIUM \_\_\_\_\_ LOW \_\_\_\_\_

**T-SQUARED**  
PROFESSIONAL ENGINEERS, INC.  
1340 SPECIALTY DR.  
SUITE E  
VISTA, CA 92081  
TEL: (760) 560-0100  
FAX: (760) 560-0101  
E-Mail: admin@tsqeng.com  
www.tsqeng.com

#14101  
10-07-14

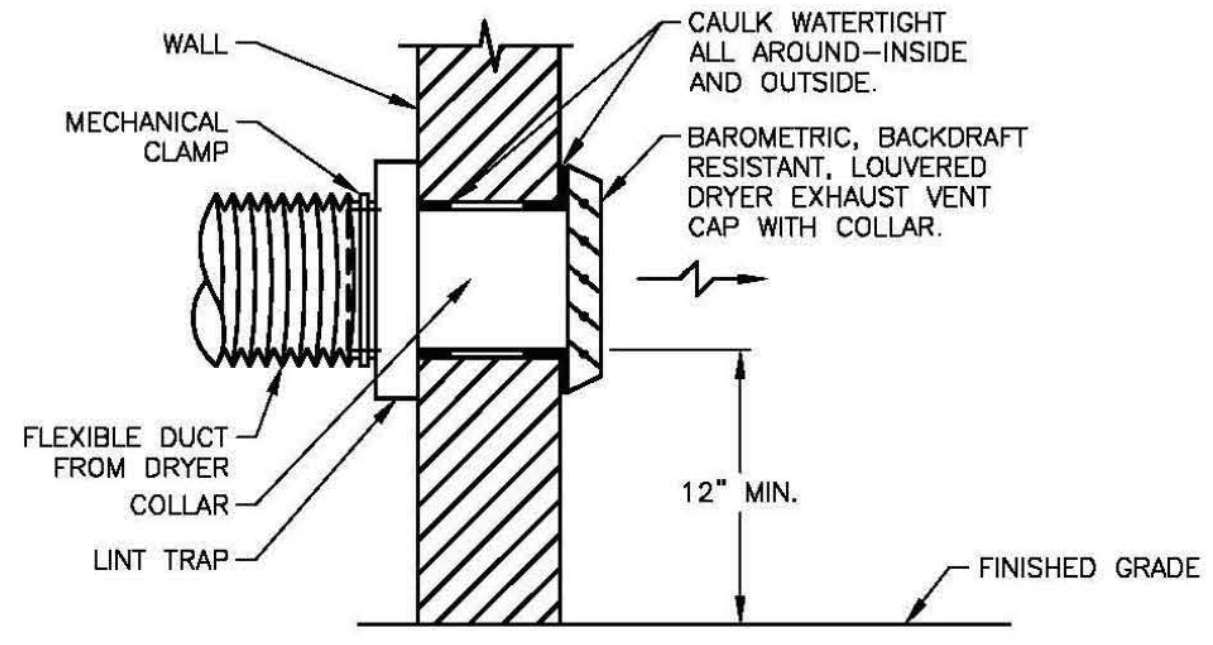
ED MD DP ED

CITY CONTRACT SPECIAL INSPECTION NO. C.I.P. NO.00-000-0



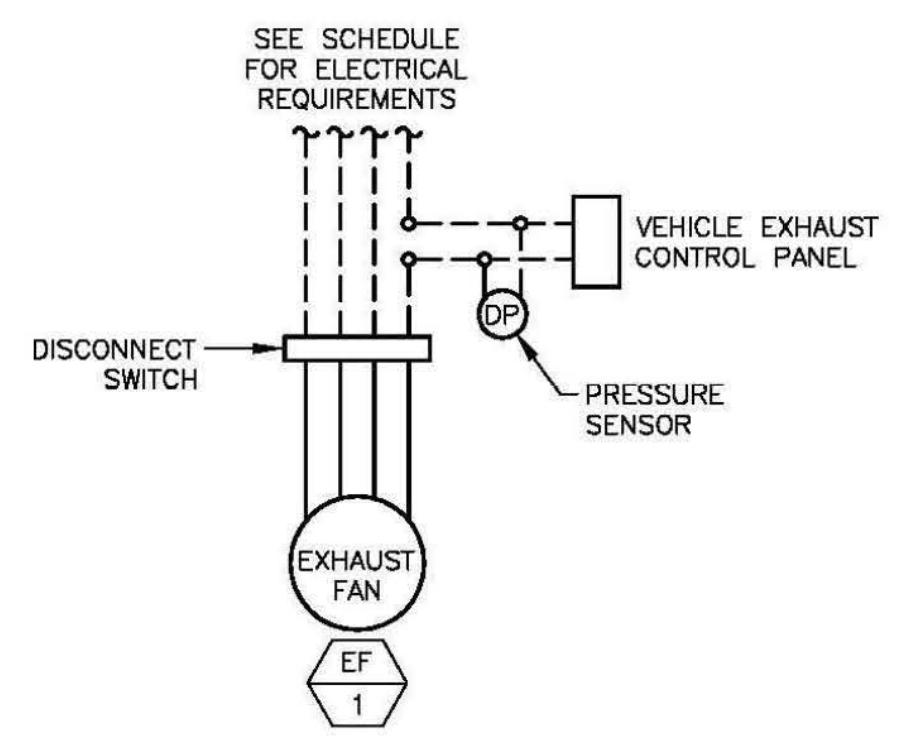
SKYLINE TEMPORARY FIRE STATION





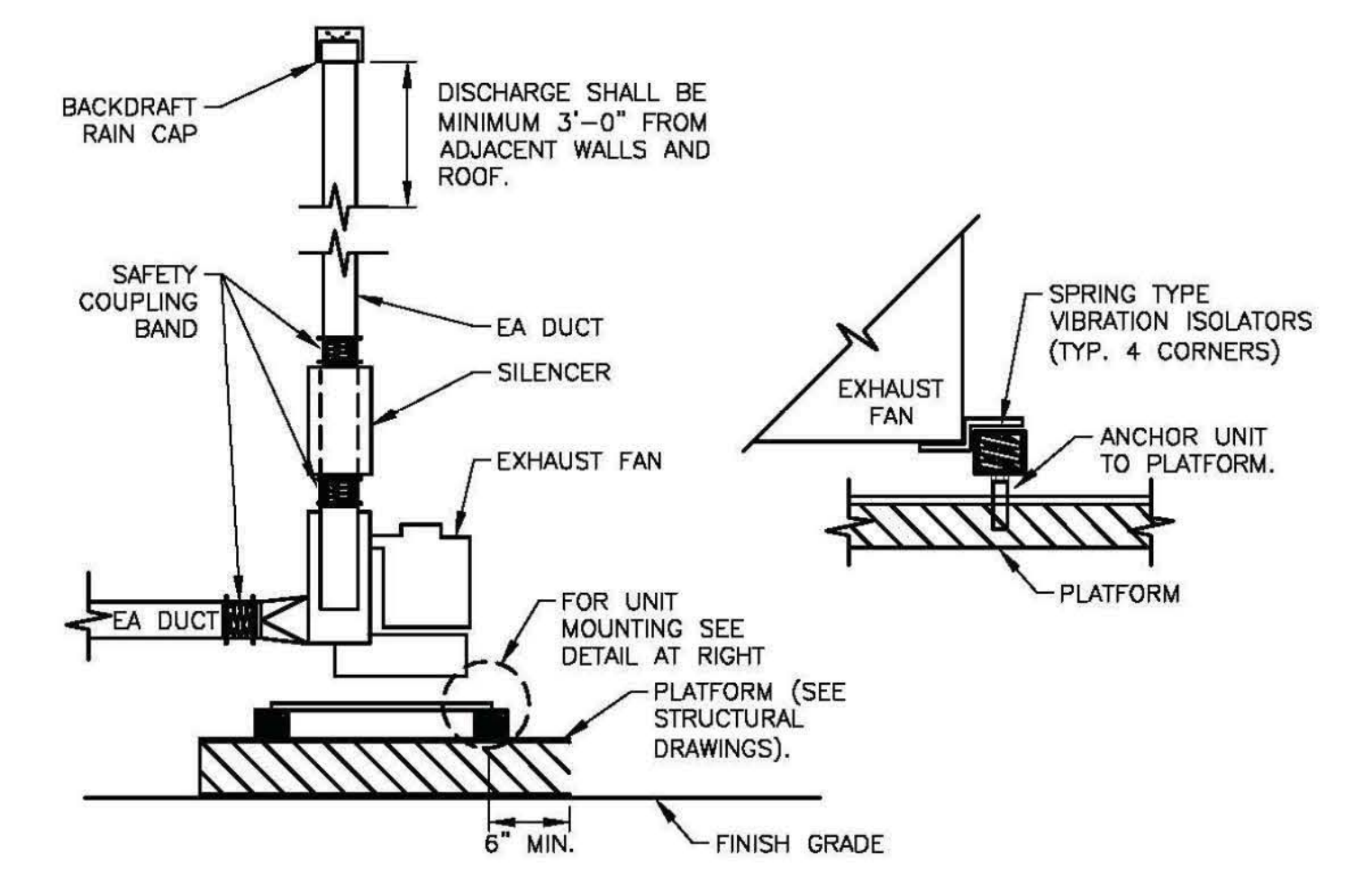
**DRYER VENT DETAIL**

SCALE NONE 1



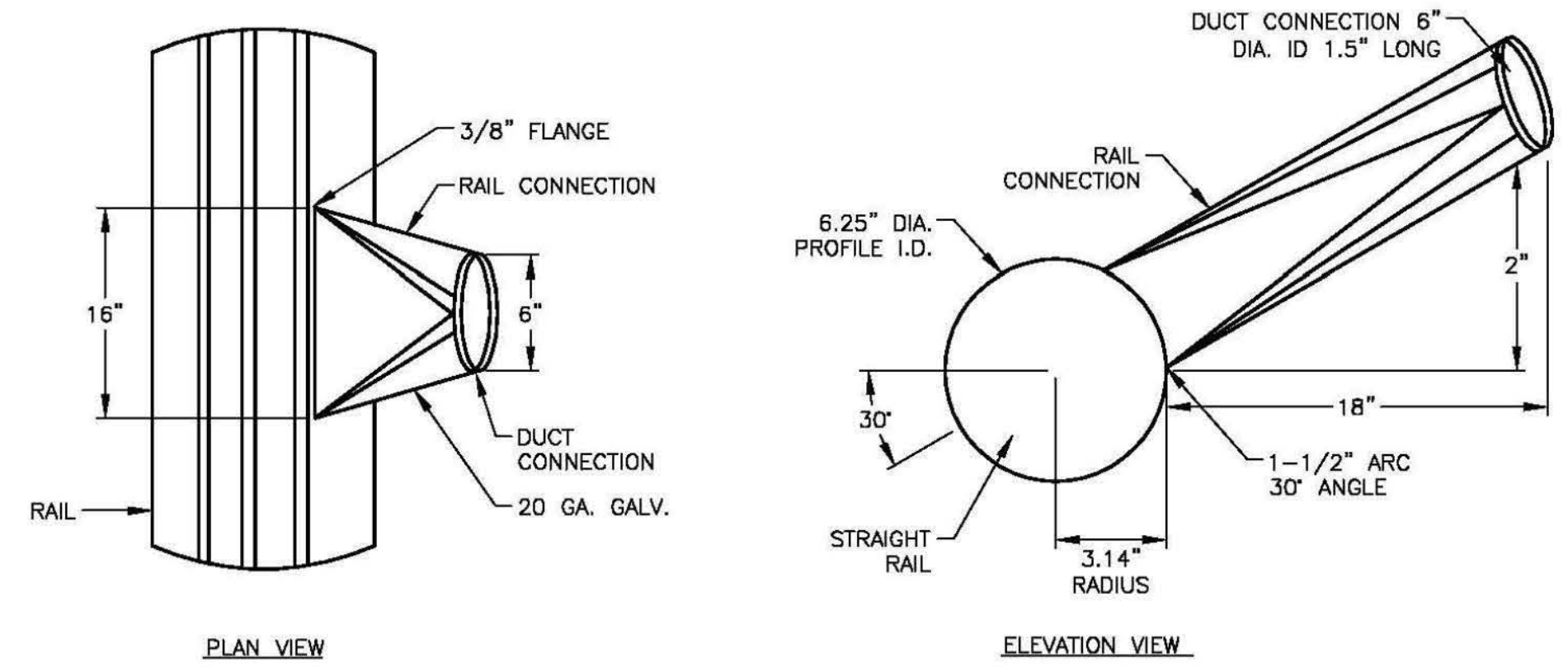
**VEHICLE EXHAUST CONTROL DIAGRAM**

SCALE NONE 2



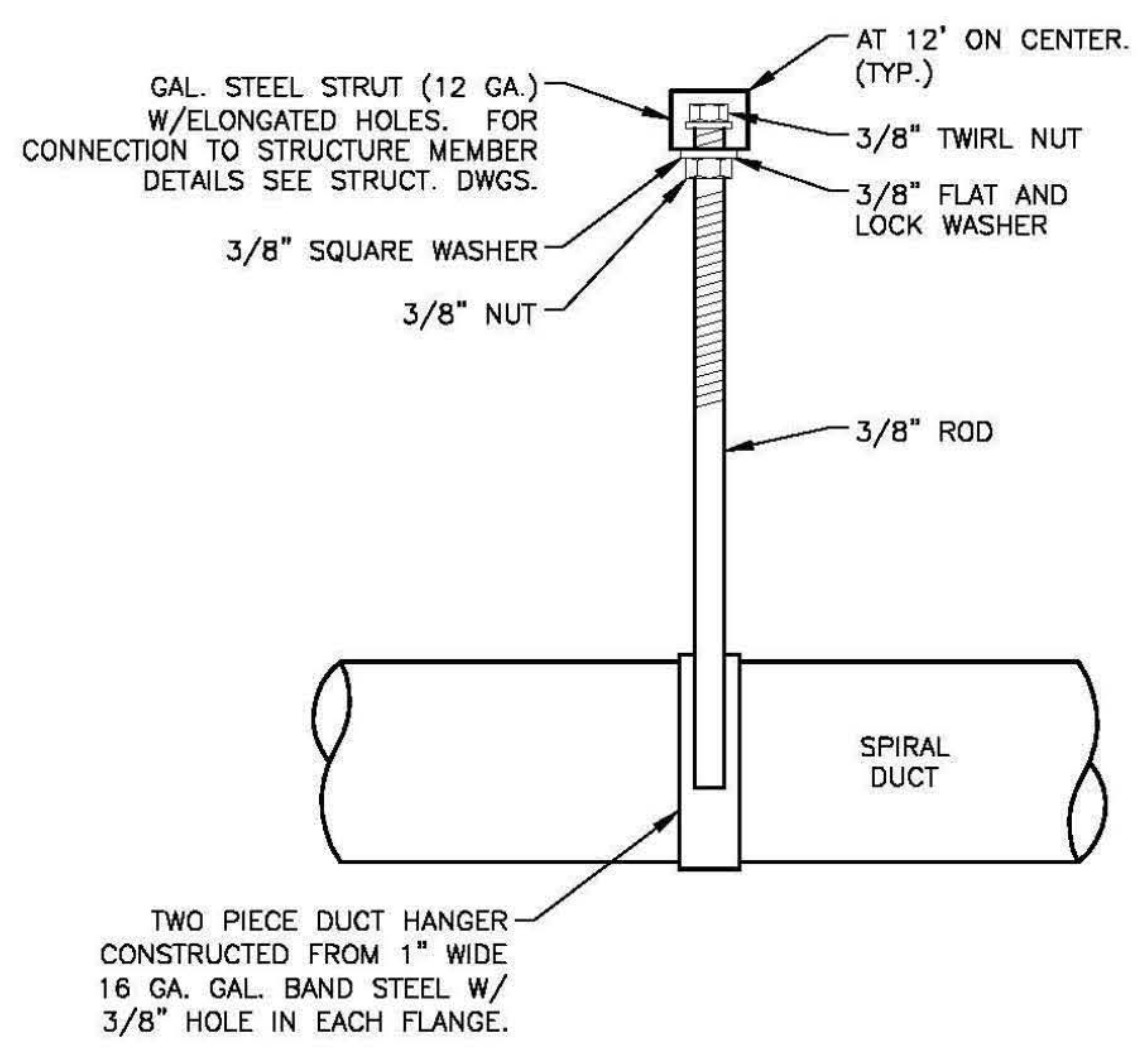
**EXHAUST FAN MOUNTING DETAIL**

SCALE NONE 3



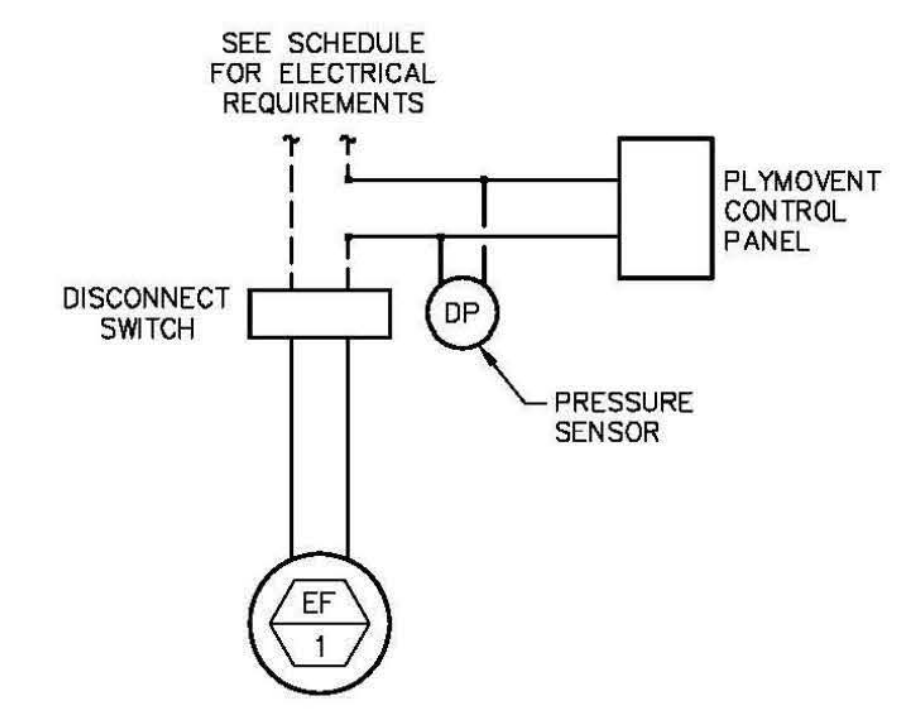
**DUCT ATTACHMENT DETAIL**

SCALE NONE 4



**VEHICLE EXHAUST DUCT MOUNTING**

SCALE NONE 5



**VEHICLE EXHAUST CONTROL DIAGRAM**

SCALE NONE 6

**NOT USED**

SCALE NONE 7

**NOT USED**

SCALE NONE 8

CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

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CITY OF SAN DIEGO  
 PUBLIC WORKS PROJECT



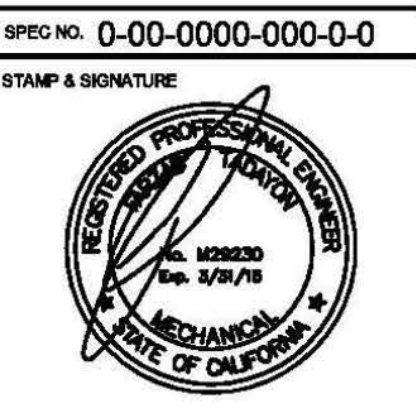
TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH MEDIUM LOW

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 10-07-14

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CITY CONTRACT SPECIAL INSPECTION NO. C.I.P. NO.00-000-0



**MECHANICAL DETAILS M3.1**

**PLANS FOR THE CONSTRUCTION OF SKYLINE TEMPORARY FIRE STATION**  
 7180 SKYLINE DR. SAN DIEGO, CALIFORNIA 92114  
 PARCEL ID. NO. 581-290-11-00

CITY OF SAN DIEGO, CALIFORNIA  
 ENGINEERING AND CAPITAL PROJECTS DEPARTMENT  
 SHEET 29 OF 40 SHEETS

WBS: S-00687

APPROVED: *[Signature]* 12/19/2014  
 CITY ENGINEER DATE

SUBMITTED BY: ROWAIDA JADAN  
 ASSOCIATE ENGINEER

DESCRIPTION	BY	APPROVED	DATE	FILMED

PROJECT MANAGER: MICHAEL RAMIREZ  
 PROJECT NO: 194-1755  
 CCB7 COORDINATE: 1834-6315  
 CCB8 COORDINATE: 38317 - 29D

CONTRACTOR: \_\_\_\_\_ DATE STARTED: \_\_\_\_\_  
 INSPECTOR: \_\_\_\_\_ DATE COMPLETED: \_\_\_\_\_







STATE OF CALIFORNIA  
INDOOR LIGHTING  
CERTIFICATE OF COMPLIANCE - USER INSTRUCTIONS  
Project Name: Skyline Fire Station Date Prepared: 08/2014

Climate Zone: Conditioned Floor Area: 0  
Unconditioned Floor Area: 1,179

Building Type: Nonresidential  
Schools: Relocatable Public Schools  
Phase of Construction: New Construction  
Method of Compliance: Complete Building

Lighting Compliance Documents (select one for each document included):  
For detailed instructions on the use of this and of Energy Efficiency Standards compliance documents, refer to the Nonresidential Manual published by the California Energy Commission.

Summary of Allowed Lighting Power  
Conditioned and Unconditioned space lighting must not be combined for compliance.

Indoor Lighting Power for Conditioned Spaces	Indoor Lighting Power for Unconditioned Spaces
1. Installed Lighting (NRCCLTI-01-E, page 4)	1. Installed Lighting (NRCCLTI-01-E, page 4)
2. PORTABLE ONLY FOR OFFICES (NRCCLTI-01-E, page 3)	2. PORTABLE ONLY FOR OFFICES (NRCCLTI-01-E, page 3)
3. Minus Lighting Control Credits (NRCCLTI-01-E, page 2)	3. Minus Lighting Control Credits (NRCCLTI-01-E, page 2)
4. Adjusted Installed Lighting Power (row 3 plus row 2 minus row 3)	4. Adjusted Installed Lighting Power (row 3 plus row 2 minus row 3)

STATE OF CALIFORNIA  
INDOOR LIGHTING  
CERTIFICATE OF COMPLIANCE - USER INSTRUCTIONS  
Project Name: Skyline Fire Station Date Prepared: 08/2014

Complies ONLY if installed as Allowed

Declaration of Required Installation Certificates - Declare by selecting yes or no for all Installation Certificates that will be submitted. (Retain copies and verify forms are completed and signed.)

Declaration of Required Certificates of Acceptance - Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify forms are completed and signed.)

STATE OF CALIFORNIA  
INDOOR LIGHTING  
CERTIFICATE OF COMPLIANCE - USER INSTRUCTIONS  
Project Name: Skyline Fire Station Date Prepared: 08/2014

A separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:  CONDITIONED SPACE  UNCONDITIONED SPACE

A. INDOOR LIGHTING SCHEDULE and FIELD INSPECTION CHECKLIST

B. Installed Portable Luminaires in Offices - Exception to Section 140.6(A)

Office Portable Luminaires Schedule

Office Portable Luminaires Schedule	Foot	Accountable Watts	Office Location	Field Inspector
Complete Luminaires Description (e.g., LED under cabinet, furniture mounted, direct indirect)	Watts per luminaire	Area (sq. ft.)	Identify Office area in which these portable luminaires are installed	Field Inspector

STATE OF CALIFORNIA  
INDOOR LIGHTING  
CERTIFICATE OF COMPLIANCE - USER INSTRUCTIONS  
Project Name: Skyline Fire Station Date Prepared: 08/2014

A separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:  CONDITIONED SPACE  UNCONDITIONED SPACE

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STATE OF CALIFORNIA  
INDOOR LIGHTING  
CERTIFICATE OF COMPLIANCE - USER INSTRUCTIONS  
Project Name: Skyline Fire Station Date Prepared: 08/2014

A separate Lighting Schedule Must Be Filled Out for Conditioned and Unconditioned Spaces. Installed Lighting Power listed on this Lighting Schedule is only for:  CONDITIONED SPACE  UNCONDITIONED SPACE

C. INDOOR LIGHTING SCHEDULE and FIELD INSPECTION CHECKLIST

Luminaire Schedule	Installed Watts	Location	Field Inspector
Complete Luminaires Description (e.g., 3 lamp fluorescent troffer, F237, one dimmable electronic ballast)	Watts per luminaire	Primary Function area in which these luminaires are installed	Field Inspector
F1 F12 Lamp 4 x T8 Energy Saving Elec	50.0	Police/Fire Station	
F2 F2-4 Lamp 8 x T8 Energy Saving Elec	118.0	Police/Fire Station	

STATE OF CALIFORNIA  
INDOOR LIGHTING  
CERTIFICATE OF COMPLIANCE - USER INSTRUCTIONS  
Project Name: Skyline Fire Station Date Prepared: 08/2014

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

RESPONSIBLE PERSON'S DECLARATION STATEMENT

Registration Number: CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance

STATE OF CALIFORNIA  
INDOOR LIGHTING - LIGHTING CONTROLS  
CERTIFICATE OF COMPLIANCE  
Project Name: Skyline Fire Station Date Prepared: 08/2014

The NRCC-LTI-02-E shall be used to document all mandatory and prescriptive lighting controls that are applicable to the project.

A. Mandatory Lighting Control Declaration Statements

YES NO Control Requirements

Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 20 Appliance Efficiency Regulations in accordance with Section 130.6.

Lighting shall be controlled by a lighting control system or energy management control system in accordance with Section 130.5. An installation Certificate shall be submitted in accordance with Section 130.4(b).

One or more Track Lighting Integral Current Limiters shall be installed which have been certified to the Energy Commission in accordance with Section 130.5 and Section 130.4(b). An Installation Certificate shall be submitted in accordance with Section 130.4(b).

A Track Lighting Supplementary Overcurrent Protection Panel shall be installed in accordance with Section 130.3 and Section 130.3. Additionally, an Installation Certificate shall be submitted in accordance with Section 130.4(b).

All lighting controls and equipment shall comply with the applicable requirements in Section 130.5 and shall be installed in accordance with the manufacturer's instructions in accordance with Section 130.1.

All luminaires shall be functionally controlled with manually switched ON and OFF lighting controls in accordance with Section 130.1(a).

General lighting shall be separately controlled from all other lighting systems in an area. Floor and wall display, window display, case display, ornamental, and special effects lighting shall each be separately controlled in circuits that are 20 amps or less. When track lighting is used, general, display, ornamental, and special effects lighting shall each be separately controlled in accordance with Section 130.1(a).

The general lighting of any enclosed area 100 square feet or larger, with a connected lighting load that exceeds 0.5 watts per square foot shall meet the multi-level lighting control requirements in accordance with Section 130.1(b).

All installed indoor lighting shall be equipped with controls that meet the applicable Shut-Off control requirements in Section 130.1(c).

Lighting in all Daylit Zones shall be controlled in accordance with the requirements in Section 130.1(d) and daylight zones are shown on the plans.

Lighting power in buildings larger than 10,000 square feet shall be capable of being automatically reduced in response to a Demand Responsive Signal in accordance with Section 130.1(e).

When an occupancy permit is granted for a newly constructed building or area, or a new lighting system serving a building, area, or site is operated for normal use, indoor lighting controls serving the building, area, or site shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with Section 130.1(a). The controls required to meet the Acceptance Requirements include automatic daylight controls, automatic shut-off controls, and demand responsive controls.

STATE OF CALIFORNIA  
INDOOR LIGHTING - LIGHTING CONTROLS  
CERTIFICATE OF COMPLIANCE  
Project Name: Skyline Fire Station Date Prepared: 08/2014

A separate document must be filled out for Conditioned and Unconditioned Spaces. This page is used only for the following:  CONDITIONED SPACES  UNCONDITIONED SPACES

MANDATORY AND PRESCRIPTIVE INDOOR LIGHTING CONTROL SCHEDULE, PAF CALCULATION, and FIELD INSPECTION CHECKLIST

Lighting Control Schedule	Standards Complying With	PAF Credit Calculation
Location in Building	Type Description of Lighting Control (e.g., occupancy sensor, automatic time switch, dimmer, automatic daylight, etc.)	PAF Credit Calculation
Fire Station	Dimming w/CO2 Sensor	2.36
Fire Station	Dimming w/CO2 Sensor	1.78

1.  $2.36 (1a) + 1.78 (1a) = 4.14$  (Manual area controls; 1.78 (1a) = Multi Level; 1.78 (1a) = Auto Shut-Off; 1.78 (1a) = Mandatory Daylight; 1.78 (1a) = Demand Responsive; 1.78 (1a) = Additional lighting controls installed to earn a PAF; 1.78 (1a) = Prescriptive Secondary Daylight Control.

2. Check Table 140.6-A for correct factor. PAF's shall not be traded between conditioned and unconditioned spaces. As a condition to earn a PAF, an Installation Certificate is also required to be filled out, signed, and submitted.

STATE OF CALIFORNIA  
INDOOR LIGHTING - LIGHTING CONTROLS  
CERTIFICATE OF COMPLIANCE  
Project Name: Skyline Fire Station Date Prepared: 08/2014

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

RESPONSIBLE PERSON'S DECLARATION STATEMENT

Registration Number: CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance

STATE OF CALIFORNIA  
INDOOR LIGHTING POWER ALLOWANCE  
CERTIFICATE OF COMPLIANCE  
Project Name: Skyline Fire Station Date Prepared: 08/2014

ALLOWED LIGHTING POWER (Check Method)

A. SUMMARY TOTALS OF LIGHTING POWER ALLOWANCES

Area Category	Primary Function Area per Table 140.6-C	Watts per sq. ft.	Area (sq. ft.)	Allowed Watts
Fire Station	Police/Fire Station	0.50	1,179	1,061

B. COMPLETE BUILDING METHOD LIGHTING POWER ALLOWANCE

TYPE OF BUILDING (From Table 140.6-B)	Watts per sq. ft.	Area (sq. ft.)	Allowed Watts
Total Area		1,179	1,061

C-1 AREA CATEGORY METHOD TOTAL LIGHTING POWER ALLOWANCES (C-2 plus C-3)

Area Category	Watts
Total from section C-2	1,061
Total from section C-3	0
Total Watts. Enter Total Watts into section A, row 2 (Above on this page)	1,061

STATE OF CALIFORNIA  
INDOOR LIGHTING POWER ALLOWANCE  
CERTIFICATE OF COMPLIANCE  
Project Name: Skyline Fire Station Date Prepared: 08/2014

A separate page must be filled out for Conditioned and Unconditioned Spaces. This page is only for:  CONDITIONED spaces  UNCONDITIONED spaces

C-2 AREA CATEGORY METHOD GENERAL LIGHTING POWER ALLOWANCE

Area Category	Primary Function Area per Table 140.6-C	Watts per sq. ft.	Area (sq. ft.)	Allowed Watts
Fire Station	Police/Fire Station	0.50	1,179	1,061

TOTALS

Area Category	Watts
Total from section C-2	1,061
Total from section C-3	0
Total Watts. Enter sum total Area Category allowed watts into section C-1 of NRCC-LTI-03-E (this compliance form)	1,061

STATE OF CALIFORNIA  
INDOOR LIGHTING POWER ALLOWANCE  
CERTIFICATE OF COMPLIANCE  
Project Name: Skyline Fire Station Date Prepared: 08/2014

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

RESPONSIBLE PERSON'S DECLARATION STATEMENT

Registration Number: CA Building Energy Efficiency Standards - 2013 Nonresidential Compliance

CONSTRUCTION CHANGE / ADDENDUM

CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

WARNING

0 1

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CITY OF SAN DIEGO  
PUBLIC WORKS PROJECT

TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH, MEDIUM, LOW

1340 SPECIALTY DR. SUITE E VISTA, CA 92081  
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T-SQUARED PROFESSIONAL ENGINEERS, INC.

CITY CONTRACT SPECIAL INSPECTION NO.

#14101 11-05-14

ED MD DP ED

C.I.P. NO.00-000.0

ELECTRICAL TITLE 24 E0.2

PLANS FOR THE CONSTRUCTION OF SKYLINE TEMPORARY FIRE STATION  
7180 SKYLINE DR. SAN DIEGO, CALIFORNIA 92114  
PARCEL ID. NO. 581-290-11-00

CITY OF SAN DIEGO, CALIFORNIA  
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT  
SHEET 33 OF 40 SHEETS

APPROVED: 12/19/2014

CONTRACTOR: DATE STARTED: DATE COMPLETED:

38317 - 33D

CONSTRUCTION CHANGE / ADDENDUM

CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

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CITY CONTRACT SPECIAL INSPECTION NO.

#14101 11-05-14

ED MD DP ED

C.I.P. NO.00-000.0

ELECTRICAL TITLE 24 E0.2

PLANS FOR THE CONSTRUCTION OF SKYLINE TEMPORARY FIRE STATION  
7180 SKYLINE DR. SAN DIEGO, CALIFORNIA 92114  
PARCEL ID. NO. 581-290-11-00

CITY OF SAN DIEGO, CALIFORNIA  
ENGINEERING AND CAPITAL PROJECTS DEPARTMENT  
SHEET 33 OF 40 SHEETS

APPROVED: 12/19/2014

CONTRACTOR: DATE STARTED: DATE COMPLETED:

38317 - 33D

SKYLINE TEMPORARY FIRE STATION

STATE OF CALIFORNIA OUTDOOR LIGHTING CERTIFICATE OF COMPLIANCE (Page 1 of 3) NRCCLTO-01-E (Page 1 of 3) Skyline Fire Station 9/8/2014

Project Address: Ed David Total Illuminated Hardscape Area: 14,047

Documentation Author's Declaration Statement: I certify that this Certificate of Compliance documentation is accurate and complete. Signature: Ed David, Date: 9/8/2014

Responsible Person's Declaration Statement: I certify the following under penalty of perjury, under the laws of the State of California: 1. The information provided on this Certificate of Compliance is true and correct. 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer). 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application. 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy. Signature: Ed David, Date: 9/8/2014

Lighting Compliance Documents (check box for each document included):  
 NRCCLTO-01-E Certificate of Compliance  
 NRCCLTO-02-E Outdoor Lighting Controls Certificate of Compliance  
 NRCCLTO-03-E Outdoor Lighting Power Allowance Certificate of Compliance

STATE OF CALIFORNIA OUTDOOR LIGHTING CERTIFICATE OF COMPLIANCE (Page 2 of 3) NRCCLTO-01-E (Page 2 of 3) Skyline Fire Station 9/8/2014

Summary of Allowed Outdoor Lighting Power (Watts):  
1. Lighting Power Allowed for General Hardscape - NRCCLTO-03-E: 2,034  
2. Lighting Power Allowed for Specific Application per Application - NRCCLTO-03-E: 0  
3. Lighting Power Allowed for Specific Application per Unit Length - NRCCLTO-03-E: 0  
4. Lighting Power Allowed for Specific Application for Ornamental - NRCCLTO-03-E: 0  
5. Lighting Power Allowed for Specific Application per Square Foot - NRCCLTO-03-E: 0  
6. Sum Total of ALLOWED Outdoor Lighting Power: 2,034  
7. INSTALLED Outdoor lighting from NRCCLTO-01-E, page 3: 390

Declaration of Required Installation Certificates - Declare by checking all Installation Certificates that will be submitted. (Retain copies and verify forms are completed and signed.)  
 NRCCLTO-01-E - Must be submitted for all buildings  
 NRCCLTO-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.

Declaration of Required Certificates of Acceptance - Declare by checking all of the Certificates of Acceptance that will be submitted. (Retain copies and verify forms are completed and signed.)  
 NRCCLTO-02-E - Must be submitted for outdoor lighting controls.

Schedule of luminaires exempt from the outdoor lighting power requirements in §140.7

Schedule of luminaires exempt from the cutoff requirements in §130.2(b)

Schedule of luminaires exempt from the outdoor lighting control requirements in §130.2(c)

CERTIFICATE OF COMPLIANCE NRCCLTO-01-E (Page 3 of 3) Skyline Fire Station 9/8/2014

A. OUTDOOR LIGHTING SCHEDULE and FIELD INSPECTION ENERGY CHECKLIST

Luminaire Schedule		Installed Watts					Location	Cutoff	Field Inspector
A	B	C	D	E	F	G	H	I	
Names or Item Tag	Complete Luminaire Description	Wattage	How wattage was determined	CCC Checkmark	Permitted by NRCCLTO-03-E	Primary Function area in which these luminaires are installed	Height of luminaire above ground	Field Inspector	
S1	S1-85w LED	65.0	(E)	<input checked="" type="checkbox"/>	2	130	Automotive Hardscape	<input checked="" type="checkbox"/>	
S2	S2-85w LED	65.0	(E)	<input checked="" type="checkbox"/>	4	260	Automotive Hardscape	<input checked="" type="checkbox"/>	

INSTALLED WATTS PAGE TOTAL: 390

STATE OF CALIFORNIA OUTDOOR LIGHTING CONTROLS CERTIFICATE OF COMPLIANCE (Page 1 of 3) NRCCLTO-02-E (Page 1 of 3) Skyline Fire Station 9/8/2014

The NRCCLTO-02-E shall be used to document all mandatory outdoor lighting controls that are applicable to the project.

Mandatory Outdoor Lighting Control Declaration Statements

Check all that apply:  
 Lighting shall be controlled by self-contained lighting control devices which are certified to the Energy Commission according to the Title 24 Appliance Efficiency Regulations in accordance with §110.9.  
 Lighting shall be controlled by a lighting control system or energy management control system in accordance with §110.9. An installation Certificate shall be submitted in accordance with §130.4(b).  
 All lighting controls and equipment shall comply with the applicable requirements in §110.9 and shall be installed in accordance with the manufacturer's instructions in accordance with §130.1.  
 Part-Night Outdoor Lighting Controls, as defined in Section 100.1, shall meet the requirements in Section 110.9(b)5.  
 All outdoor incandescent luminaires rated over 100 watts, determined in accordance with Section 130.0(c), shall be controlled by a motion sensor.  
 All outdoor luminaires rated for use with lamps greater than 150 lamp watts, determined in accordance with Section 130.0(c), shall comply with Backlight, Uplight, and Glare (collectively referred to as "BUG") in accordance with Section 130.2(b).  
 All installed outdoor lighting shall be controlled by a photocontrol or outdoor astronomical time-switch control in accordance with Section 130.2(c)1.  
 All installed outdoor lighting shall be circuted and independently controlled from other electrical loads by an automatic scheduling control in accordance with Section 130.2(c)2.  
 For outdoor lighting, where the bottom of the luminaire is mounted 24 feet or less above the ground, shall be controlled with automatic lighting controls in accordance with Section 130.2(c)3.  
 For Outdoor Sales Frontage, Outdoor Sales Lots, and Outdoor Sales Canopies lighting, an automatic lighting control in accordance with Section 130.2(d).  
 For Building Facade, Ornamental Hardscape and Outdoor Dining lighting, an automatic lighting control in accordance with Section 130.2(d)5.  
 Before an occupancy permit is granted for a newly constructed building or area, or a new lighting system serving a building area, or a site is operated for normal use, indoor lighting controls serving the building area, or site shall be certified as meeting the Acceptance Requirements for Code Compliance in accordance with §130.4(a). Outdoor lighting controls shall comply with the applicable requirements of Section 130.2(c) and Reference Nonresidential Appendix NA7.8.

STATE OF CALIFORNIA OUTDOOR LIGHTING CONTROLS CERTIFICATE OF COMPLIANCE (Page 2 of 3) NRCCLTO-02-E (Page 2 of 3) Skyline Fire Station 9/8/2014

MANDATORY OUTDOOR LIGHTING CONTROL SCHEDULE and FIELD INSPECTION CHECKLIST

Outdoor Lighting Control Schedule	Standards Complying With (check all that apply, or enter "E" if Exempted)	Field Inspector
A	B	C
Location and Application of Luminaires being controlled	Type/ Description of Lighting Control (i.e. motion sensor, photocontrol, outdoor astronomical time-switch control, centralized time-based zoning lighting control)	# of Units
PARKING LOT	LIGHTING CONTROL PANEL	1

STATE OF CALIFORNIA OUTDOOR LIGHTING CONTROLS CERTIFICATE OF COMPLIANCE (Page 3 of 3) NRCCLTO-02-E (Page 3 of 3) Skyline Fire Station 9/8/2014

Documentation Author's Declaration Statement: I certify that this Certificate of Compliance documentation is accurate and complete. Signature: Ed David, Date: 9/8/2014

Responsible Person's Declaration Statement: I certify the following under penalty of perjury, under the laws of the State of California: 1. The information provided on this Certificate of Compliance is true and correct. 2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer). 3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations. 4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application. 5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy. Signature: Ed David, Date: 9/8/2014

STATE OF CALIFORNIA OUTDOOR LIGHTING POWER ALLOWANCES CERTIFICATE OF COMPLIANCE (Page 1 of 6) NRCCLTO-03-E (Page 1 of 6) Skyline Fire Station 9/8/2014

A. OUTDOOR LIGHTING POWER ALLOWANCE SUMMARY

1. General Hardscape Lighting Power Allowance (Site Total from Section B of NRCCLTO-03-E): 2,034

2. Additional Specific "use it or lose it" Lighting Power Allowances listed in each of these cells shall be identical to total allowed watts determined in Section C-1 to C-4 of NRCCLTO-03-E:

PER APPLICATION from Section C-1	SALES FRONTAGE from Section C-2	ORNAMENTAL LIGHTING from Section C-3	PER SPECIFIC AREA from Section C-4		
0	0	0	0	2,034	2,034

3. Total Allowed Outdoor Lighting Wattage (add rows 1 and 2): 2,034

B. GENERAL HARDSCAPE LIGHTING POWER ALLOWANCE FROM TABLE 140.7-A

Area Wattage Allowance (AWA)			Linear Wattage Allowance (LWA)		Initial Wattage Allowance (IWA)	Total General Hardscape Lighting Allowance
A	B	C	D	E	F	G
Luminaires Hardscape Area	AWA (A x B)	Per meter Length of General Hardscape	LWA per Linear Foot	LWA (D x E)	IWA (F x G)	C + F + G
14,047	0,050	1,264	0	0,600	0	770
TOTAL						2,034

STATE OF CALIFORNIA OUTDOOR LIGHTING POWER ALLOWANCES CERTIFICATE OF COMPLIANCE (Page 4 of 6) NRCCLTO-03-E (Page 4 of 6) Skyline Fire Station 9/8/2014


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CONSTRUCTION CHANGE / ADDENDUM

CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.
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WARNING



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

CITY OF SAN DIEGO PUBLIC WORKS PROJECT

TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH, MEDIUM, LOW

SPEC NO. 0-00-0000-000-0-0

1340 SPECIALTY DR. SUITE E VISTA, CA 92081 TEL: (760) 560-0100 FAX: (760) 560-0101 E-mail: admin@tsqeng.com www.tsqeng.com

T-SQUARED PROFESSIONAL ENGINEERS, INC.

CITY CONTRACT SPECIAL INSPECTION NO.

#14101 11-05-14

ED MD DP ED

C.I.P. NO.00-000.0

ELECTRICAL TITLE 24 E0.3

PLANS FOR THE CONSTRUCTION OF SKYLINE TEMPORARY FIRE STATION

7180 SKYLINE DR. SAN DIEGO, CALIFORNIA 92114

PARCEL ID. NO. 581-290-11-00

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 34 OF 40 SHEETS

WBS: S-00687

APPROVED: [Signature] DATE: 12/19/2014

SUBMITTED BY: ROWAIDA JADAN ASSOCIATE ENGINEER

DESCRIPTION BY APPROVED DATE FILMED

PROJECT MANAGER: MICHAEL RAMIREZ

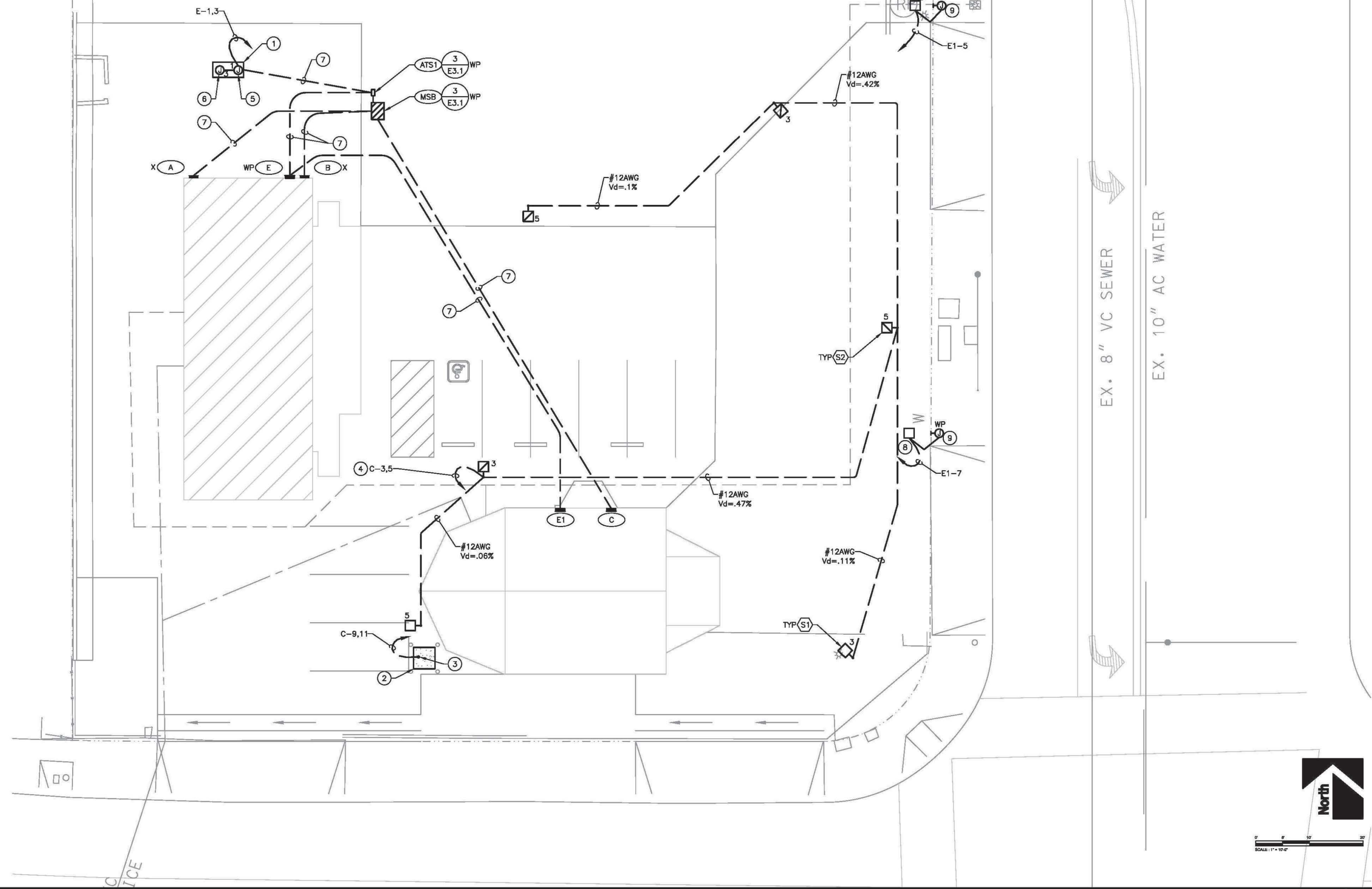
194-1755 CC87 COORDINATE

1834-6315 CC88 COORDINATE

CONTRACTOR: DATE STARTED: 38317 - 34D

INSPECTOR: DATE COMPLETED:

SKYLINE TEMPORARY FIRE STATION



- ### GENERAL NOTES
- A. CONTRACTOR SHALL FIELD VERIFY EXISTING CONDITIONS AND COORDINATE WITH ALL OTHER TRADES. IN CASE OF DISCREPANCIES OR ANY POTENTIAL CONFLICTS, INFORM THE ARCHITECT AND ENGINEER IN WRITING PRIOR TO START OF WORK.
  - B. CONTRACTOR SHALL VERIFY EXACT QUANTITIES, LOCATIONS AND HEIGHTS OF ALL OUTLETS WITH TENANT AND ARCHITECT PRIOR TO START OF WORK.
  - C. CONTRACTOR SHALL FIELD VERIFY AND COORDINATE WITH MECHANICAL DRAWINGS FOR EXACT LOCATION OF EQUIPMENT AND REQUIREMENTS PRIOR TO START OF WORK.

- ### KEY NOTES
- 1 EMERGENCY GENERATOR.
  - 2 VEHICLE EXHAUST FAN.
  - 3 CONNECT TO EXHAUST FAN CONTROLLER.
  - 4 ROUTE THRU LIGHTING CONTROL PANEL 'LCP1'.
  - 5 JUNCTION BOX FOR BATTERY CHARGER.
  - 6 JUNCTION BOX FOR JACKET HEATER.
  - 7 SEE SINGLE LINE DIAGRAM FOR FEEDER SIZE.
  - 8 GATE OPERATOR.
  - 9 JUNCTION BOX FOR GATE MOTOR CONTROL KEYPAD. COORDINATE WIRING REQUIREMENTS AND LOCATION WITH OWNER AND WITH GATE PROVIDER/INSTALLER PRIOR TO START OF WORK.

**ELECTRICAL SITE PLAN**      **E1.1**

**PLANS FOR THE CONSTRUCTION OF SKYLINE TEMPORARY FIRE STATION**  
 7180 SKYLINE DR. SAN DIEGO, CALIFORNIA 92114  
 PARCEL ID. NO. 581-290-11-00

CITY OF SAN DIEGO, CALIFORNIA ENGINEERING AND CAPITAL PROJECTS DEPARTMENT SHEET 35 OF 40 SHEETS		WBS: S-00687
APPROVED: <i>[Signature]</i>	DATE: 12/19/2014	SUBMITTED BY: ROWAIDA JADAN ASSOCIATE ENGINEER
CITY ENGINEER	DATE	PROJECT MANAGER: MICHAEL RAMIREZ
DESCRIPTION	BY	APPROVED
		DATE
		FILMED
		194-1755
		1834-6315
CONTRACTOR:	DATE STARTED:	38317 - 35D
INSPECTOR:	DATE COMPLETED:	

CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

**WARNING**

0 1

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**ELECTRICAL SITE PLAN**

CITY OF SAN DIEGO  
PUBLIC WORKS PROJECT

TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH MEDIUM LOW

**T-SQUARED**  
PROFESSIONAL ENGINEERS, INC.

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VISTA, CA 92081  
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FAX: (760) 560-0101  
E-Mail: admin@tsqeng.com  
www.tsqeng.com

#14101  
11-05-14

ED MD DP ED

CITY CONTRACT SPECIAL INSPECTION NO.      C.I.P. NO.00-000.0

SCALE: 1"=10'-0"

SPEC NO. 0-00-0000-000-0-0

STAMP & SIGNATURE: EDUARDO A. DAVILA

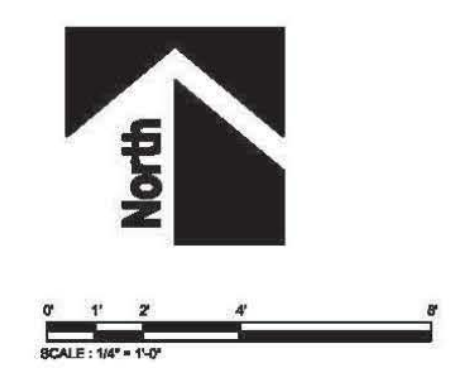
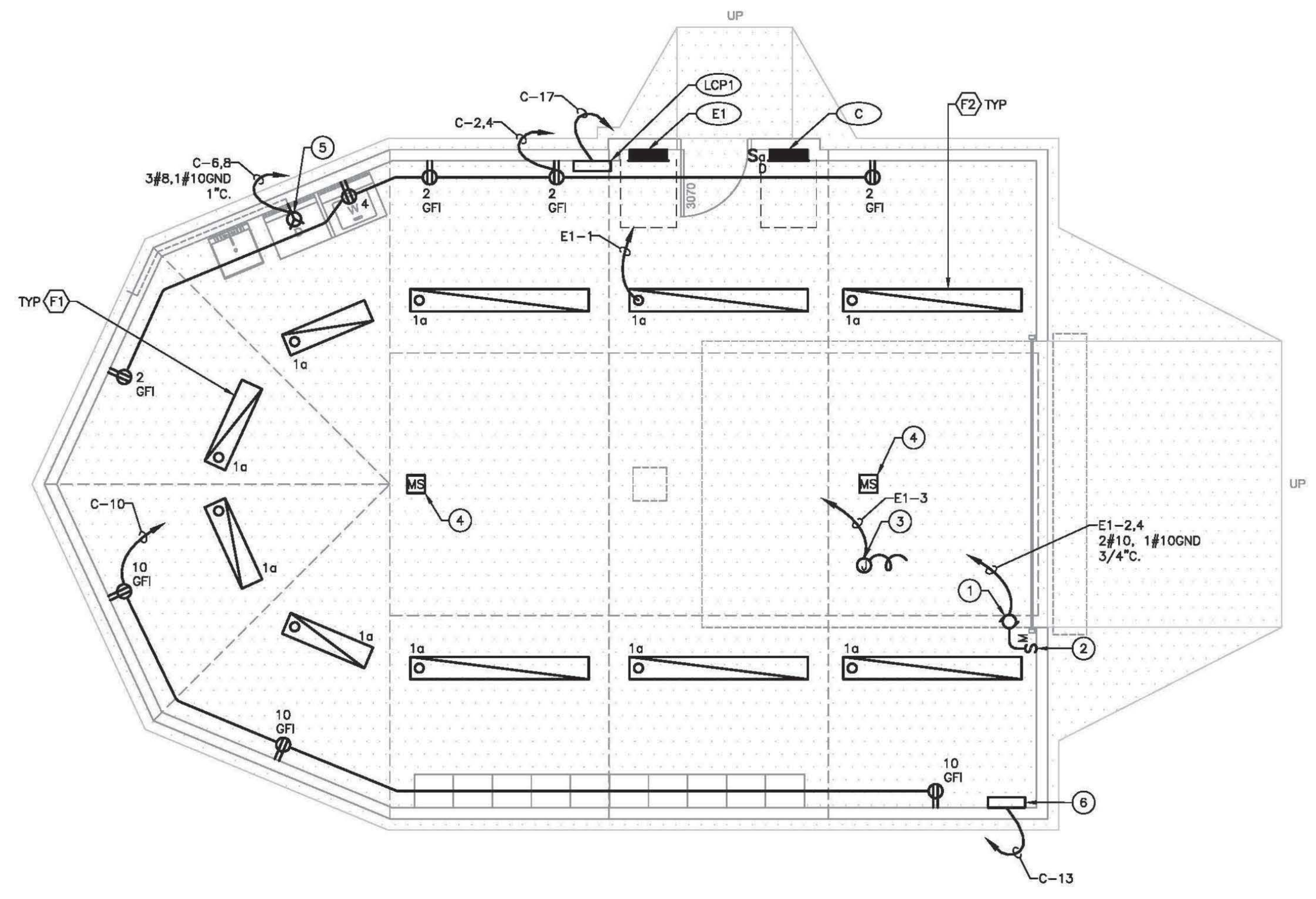
SKYLINE TEMPORARY FIRE STATION

### GENERAL NOTES

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- C. CONTRACTOR SHALL FIELD VERIFY AND COORDINATE WITH MECHANICAL DRAWINGS FOR EXACT LOCATION OF EQUIPMENT AND REQUIREMENTS PRIOR TO START OF WORK.

### KEY NOTES

- ① MOTORIZED DOOR.
- ② MOTORIZED DOOR CONTROL SWITCH.
- ③ PROVIDE AND INSTALL DROP CORD FOR ENGINE BLOCK HEATER. CEILING MOUNTED 360 DEGREE SWIVEL INDUSTRIAL CORD REEL, APPLETON #RL103J-123-30, WITH RECEPTACLE TO MATCH TRUCK CONNECTOR.
- ④ HIGH BAY MOTION SENSOR BY WATTSTOPPER, CATALOG #HB300B-L3, OR EQUAL.
- ⑤ COORDINATE RECEPTACLE NEMA CONFIGURATION WITH DRYER PROVIDER/INSTALLER PRIOR TO START OF WORK.
- ⑥ VEHICLE EXHAUST CONTROLLER.



ELECTRICAL FLOOR PLAN E2.1

PLANS FOR THE CONSTRUCTION OF SKYLINE TEMPORARY FIRE STATION  
 7180 SKYLINE DR. SAN DIEGO, CALIFORNIA 92114  
 PARCEL ID. NO. 581-290-11-00

CITY OF SAN DIEGO, CALIFORNIA  
 ENGINEERING AND CAPITAL PROJECTS DEPARTMENT  
 SHEET 36 OF 40 SHEETS

### ELECTRICAL SPRUNG STRUCTURE FLOOR PLAN

SCALE 1  
 1/4"=1'-0"

CONSTRUCTION CHANGE / ADDENDUM			
CHANGE	DATE	AFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

**WARNING**  
  
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CITY OF SAN DIEGO  
 PUBLIC WORKS PROJECT



TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH \_\_\_\_\_ MEDIUM \_\_\_\_\_ LOW \_\_\_\_\_

1340 SPECIALTY DR.  
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#14101  
 11-05-14

**T-SQUARED**  
 PROFESSIONAL ENGINEERS, INC.

ED | MD | DP | ED

CITY CONTRACT SPECIAL INSPECTION NO. C.I.P. NO.00-000.0

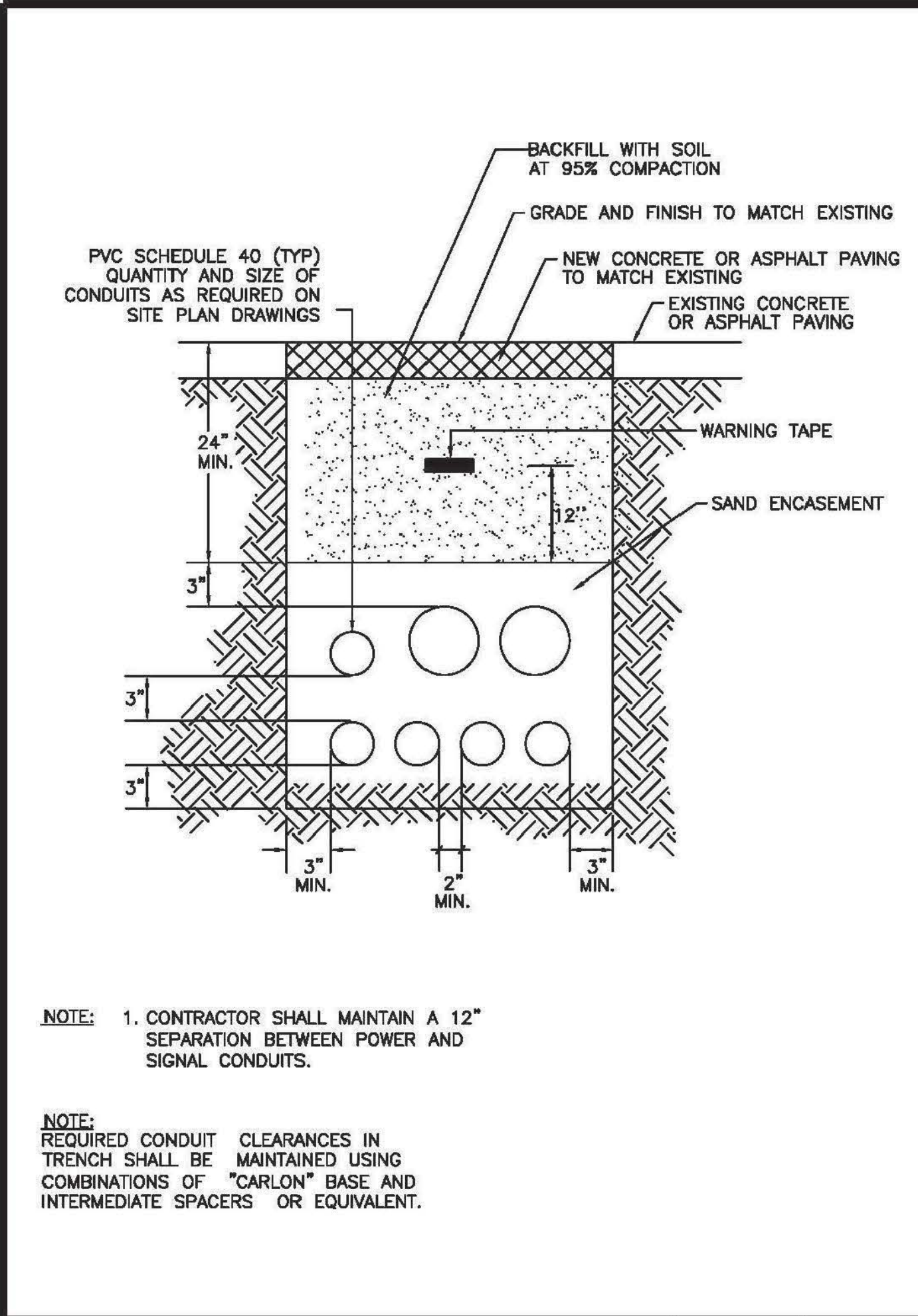
REGISTERED PROFESSIONAL ENGINEER  
 EDUARDO A. DANIEL  
 No. E18600  
 ELECTRICAL  
 EXP. 6-30-15  
 STATE OF CALIFORNIA

APPROVED:	DATE: 12/19/2014	SUBMITTED BY: ROWAIDA JADAN
CITY ENGINEER	DATE	ASSOCIATE ENGINEER
DESCRIPTION	BY	APPROVED
CONTRACTOR:	DATE STARTED:	38317 - 36D
INSPECTOR:	DATE COMPLETED:	

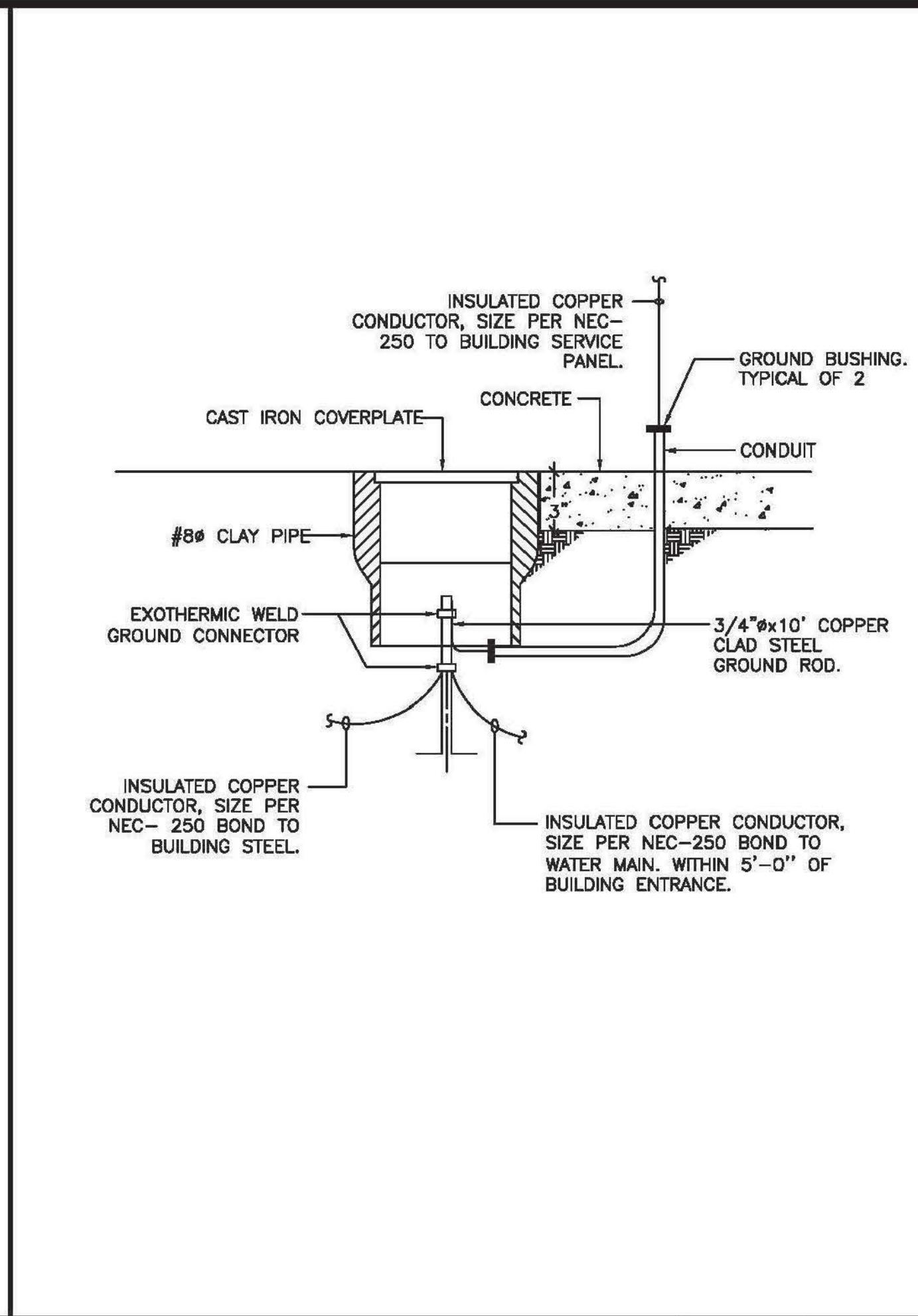
SKYLINE TEMPORARY FIRE STATION



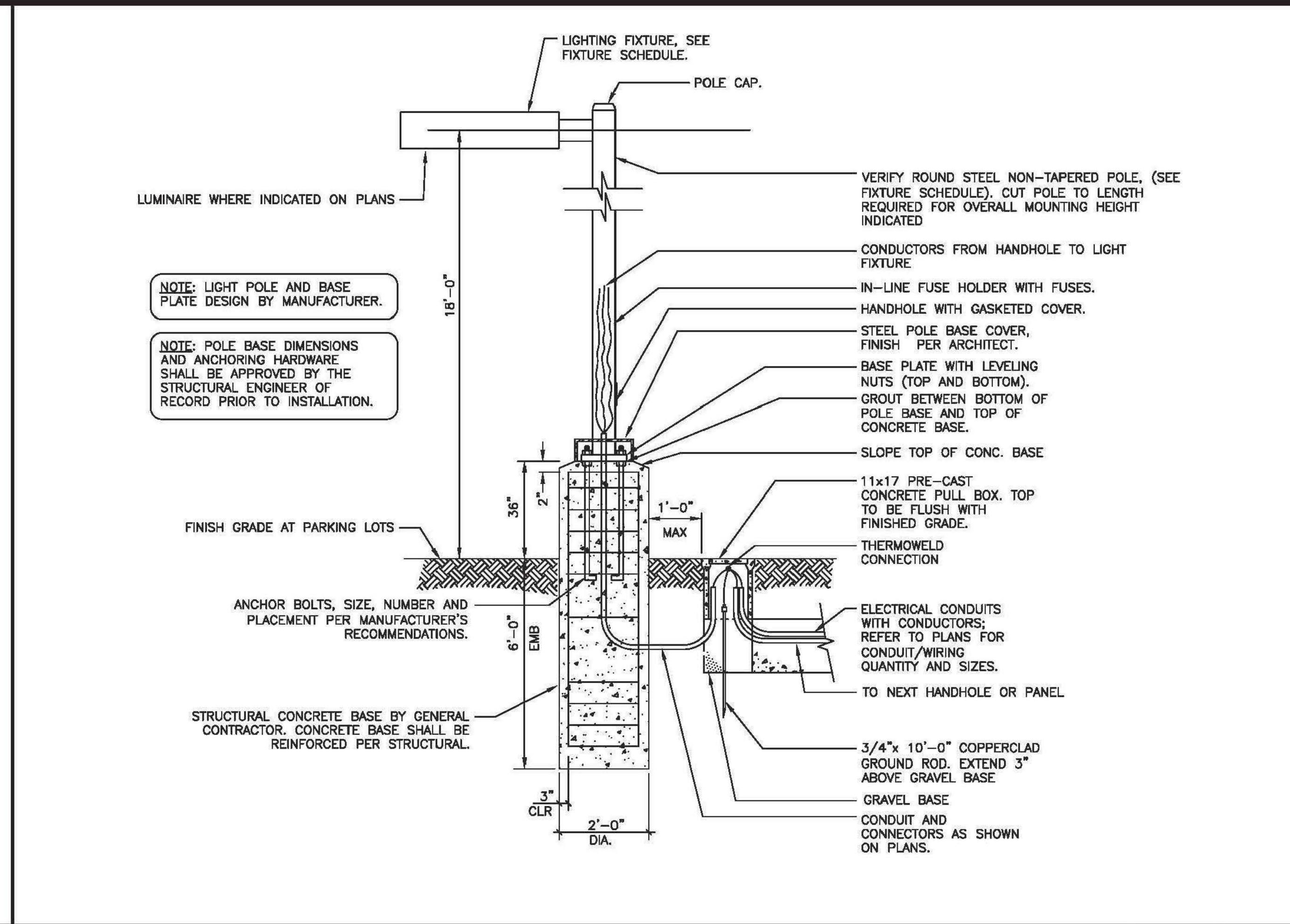




UNDERGROUND TRENCHING DETAIL SCALE NO SCALE 1

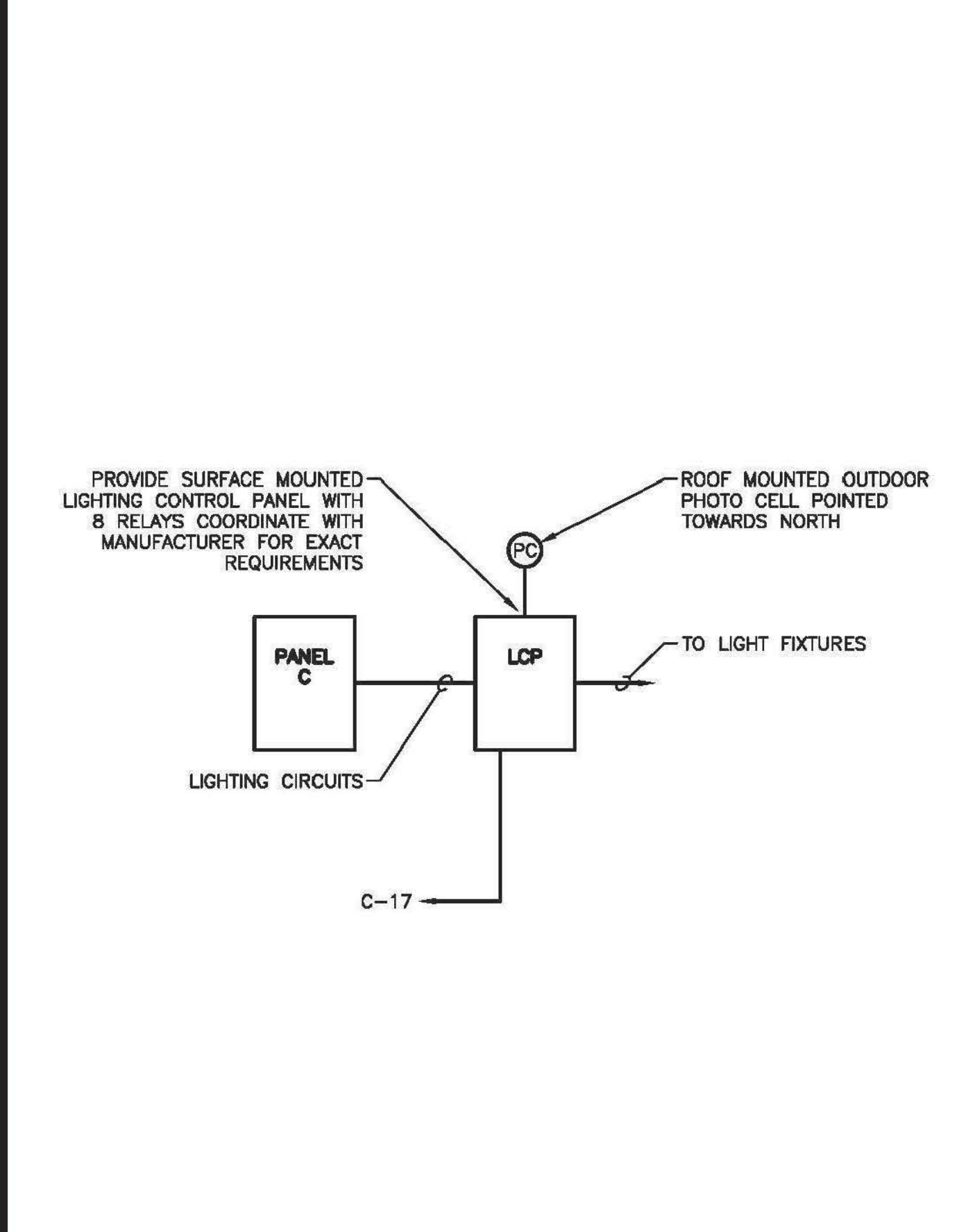


RELOCATABLE GROUNDING DETAIL SCALE NO SCALE 2



POLE AND BASE DETAIL SCALE NO SCALE 3

**GENERAL NOTES**  
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LIGHTING CONTROL 'LCP' SCHEMATIC SCALE NO SCALE 4

LIGHTING FIXTURE SCHEDULE								
FIXT DES	SYMBOL	LAMP TYPE	FIXTURE MOUNTING	LAMP DESC	WATTS	VOLTS	MFR/CATALOG	DESCRIPTION
F1		FLUOR	SURFACE CEILING	(2)F32TB	59	120V	COLUMBIA XEM-4-2-32-RA-E-120	4' SURFACE CEILING MOUNTED LINEAR FLUORESCENT FIXTURE WITH ELECTRONIC DIMMING BALLAST. WET LABEL
F2		FLUOR	SURFACE CEILING	(4)F32TB	118	120V	COLUMBIA XEM-8-2-32-RA-E-120	8' SURFACE CEILING MOUNTED LINEAR FLUORESCENT FIXTURE WITH ELECTRONIC DIMMING BALLAST. WET LABEL
S1		LED	POLETOP	65W LED 4246 LUMENS 4200K	65	120V	KIM LIGHTING 1SA-SAR4E35-60L-4K-120-NFO-SCH WITH KW POLE, #RSP15-4.0-11-DM10-BC	LED POLETOP FIXTURE, FULL CUTOFF, TYPE 4 DISTRIBUTION WITH NEIGHBORHOOD FRIENDLY OPTIC AND INTEGRAL OUTDOOR OCCUPANCY SENSOR. BUG RATING: B=0, U=0, G=1
S2		LED	POLETOP	65W LED 4176 LUMENS 4200K	65	120V	KIM LIGHTING 1SA-SAR3E35-60L-4K-120-NFO-SCH WITH KW POLE, #RSP15-4.0-11-DM10-BC	LED POLETOP FIXTURE, FULL CUTOFF, TYPE 3 DISTRIBUTION WITH NEIGHBORHOOD FRIENDLY OPTIC AND INTEGRAL OUTDOOR OCCUPANCY SENSOR. BUG RATING: B=1, U=0, G=1

LIGHTING FIXTURE NOTES:  
 1. PROVIDE SPECIFIED LIGHTING MANUFACTURER FOR EACH LIGHT FIXTURE. ANY SUBSTITUTIONS SHALL MEET OR EXCEED THE SPECIFICATIONS OF THE LISTED MANUFACTURERS CATALOG NUMBER.

LIGHTING CONTROL SYSTEM MATRIX - 'LCP'							
RELAY #	PANEL	CIR #	VOLTS	SERVES	CONTROL	BLDG. SHUT-OFF CONTROL BY	BLDG. OVERRIDE CONTROL BY
1	C	3	120	POLE TOP LIGHTING	PHOTOCELL "ON", PHOTOCELL "OFF"	PHOTOCELL "ON", PHOTOCELL "OFF"	NONE
2	C	5	120	POLE TOP LIGHTING	PHOTOCELL "ON", PHOTOCELL "OFF"	PHOTOCELL "ON", PHOTOCELL "OFF"	NONE
3-8	-	-	120	SPARE			

LIGHTING MATRIX CONTROL SYSTEM NOTES:  
 1. PROVIDE THE LIGHTING CONTROL SYSTEM WITH AN INTEGRAL ELECTRONIC SOLID-STATE, 365 DAY PROGRAMMABLE, MULTI-CHANNEL, TIME SWITCH WITH INTEGRAL BACKUP POWER (MINIMUM 90 MINUTES).  
 2. PROVIDE (1) PHOTOCELL ON ROOF FOR CONTROL OF SITE LIGHTING.

ELECTRICAL LIGHTING CONTROL & FIXTURES SCHEDULES SCALE NO SCALE 5

CONSTRUCTION CHANGE / ADDENDUM			
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CITY OF SAN DIEGO  
 PUBLIC WORKS PROJECT

TEMPORARY BMP CONSTRUCTION SITE STORM WATER PRIORITY: HIGH MEDIUM LOW

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#14101 11-05-14

ED MD DP ED

CITY CONTRACT SPECIAL INSPECTION NO. C.I.P. NO.00-000.0

REGISTERED PROFESSIONAL ENGINEER  
 EDUARDO A. DIAZ  
 No. E18608 ELECTRICAL EXP. 6-30-15  
 STATE OF CALIFORNIA

ELECTRICAL LIGHTING CONTROL E3.2

PLANS FOR THE CONSTRUCTION OF SKYLINE TEMPORARY FIRE STATION  
 7180 SKYLINE DR. SAN DIEGO, CALIFORNIA 92114  
 PARCEL ID. NO. 581-290-11-00

CITY OF SAN DIEGO, CALIFORNIA  
 ENGINEERING AND CAPITAL PROJECTS DEPARTMENT  
 SHEET 38 OF 40 SHEETS

APPROVED: 12/19/2014  
 CITY ENGINEER DATE

SUBMITTED BY: ROWAIDA JADAN ASSOCIATE ENGINEER  
 PROJECT MANAGER: MICHAEL RAMIREZ  
 194-1765  
 1834-6315  
 1834-6315

CONTRACTOR: DATE STARTED: 38317 - 38D  
 INSPECTOR: DATE COMPLETED:



