



Dear Prospective Vendor:

If you intend to submit a bid or proposal, please contact Public Works at (805) 583-6786 and provide your name, address, telephone number, fax number, and E-mail address.

The City will use this information to notify you of any addenda to these documents. Without this information, the City has no way of identifying who may have outdated or incomplete copies. It is the prospective vendor's responsibility to ensure the most complete and current versions of the documents are obtained, including any addenda.



DEPARTMENT OF PUBLIC WORKS

NOTICE TO BIDDERS, CONTRACT PROPOSAL, AND SPECIFICATIONS FOR THE CONSTRUCTION OF

SANDY FIRE DEBRIS FLOW MITIGATION PROJECT, GT29800001

SPECIFICATION NO. SV 27-16

**DEE DEE CAVANAUGH, MAYOR
ELAINE P. LITSTER, MAYOR PRO TEM
MIKE JUDGE, COUNCIL MEMBER
ROCKY RHODES, COUNCIL MEMBER
JOSEPH D. AYALA, COUNCIL MEMBER**

**SAMANTHA C. ARGABRITE
-CITY MANAGER-**

**JAY SPURGIN
-INTERIM PUBLIC WORKS DIRECTOR-**

**BIDS TO BE OPENED OCTOBER 20, 2026
AT 10:00 A.M.**

**PRICES:
PICKED UP
MAILED**

**\$30.00
\$40.00**

**DEPARTMENT OF PUBLIC WORKS
CITY HALL
2929 TAPO CANYON ROAD
SIMI VALLEY, CA 93063
STAFF CONTACT: (805) 583-6791**

DEPARTMENT OF PUBLIC WORKS

CITY OF SIMI VALLEY

CONSTRUCTION DOCUMENTS

FOR

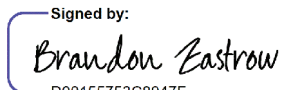
NAME: SANDY FIRE DEBRIS FLOW MITIGATION PROJECT,
GT29800001

LOCATION: VARIOUS LOCATIONS

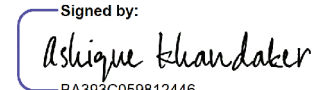
SPEC. NO.: SV 27-16

DATE: OCTOBER 14, 2026

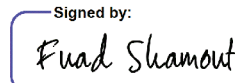
PREPARED BY:

Signed by:

D00155753C8047F...
Brandon Zastrow
Associate Engineer
Department of Public Works

REVIEWED BY:

Signed by:

BA393C059812446...
Ashique Khandaker
Senior Engineer
Department of Public Works

RECOMMENDED BY:

Signed by:

318CA6154E034BE...
Fuad Shamout
Principal Engineer
Department of Public Works

APPROVED BY:

Signed by:

2E1B958DA12B4B8...
Jay Spurgin
Interim Public Works Director

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**NOTICE INVITING SEALED BIDS
SANDY FIRE DEBRIS FLOW MITIGATION PROJECT, GT29800001**

**IN THE CITY OF SIMI VALLEY
SPECIFICATION NO.: SV 27-16**

The City of Simi Valley is accepting sealed bids in the City Clerk's office,
2929 Tapo Canyon Road, Simi Valley, California 93063, until 10:00 a.m. on:

TUESDAY, OCTOBER 20, 2026

at which time they will be publicly opened. Bids will not be accepted after that time.

All bids must be sealed and submitted to the following:

**City Clerk
City of Simi Valley
2929 Tapo Canyon Road
Simi Valley, CA 93063**

Please mark the outside of the envelope (and express shipment envelope, if applicable):

**SANDY FIRE DEBRIS FLOW MITIGATION PROJECT, GT29800001
SPECIFICATION NO. SV 27-16
October 20, 2026
10:00 A.M.**

All contacts should be through Ashique Khandaker, Senior Engineer at (805) 583-6791 or akhandaker@simivalley.org regarding any bidding questions before or after the Notice to Proceed has been issued to the successful bidder.

This work is part of the City's emergency mitigation efforts related to the 2026 Sandy Fire. On September 28, 2026, the City Council waived normal Public Works bidding procedures pursuant to Simi Valley Municipal Code Section 2-9.202 and in accordance with the declared Local Emergency.

The bid shall be balanced so that each bid item is priced to carry its share of the cost of the work and also its share of the contractor's overhead and profit. The City reserves the right to award to a single or multiple contracts for either Schedule I, II, III, IV, or V and any combination of Schedule I, II, III, IV, and V. In accordance with the Simi Valley Municipal Code Section 2-9.202 and in accordance with the declared Local Emergency, the award of contract will be based on the lowest bidder on Schedule I, II, III, IV, V or any combination of Schedule I, II, III, IV, and V. The City may also opt to award separate schedules to different contractors based on the lowest bid on each schedule. The City will compare the lowest bid for all five schedules against the lowest combined cost of awarding schedules separately. Each schedule can be completed independently. The

City reserves the right to award or not to award. The City may reject bids based on contractors' availability to begin construction in a timely manner as. Provided are the expected completion times:

The expected completion time of the of all Schedules I, II, III, IV, and V of this Project is 35 consecutive working days when the City issues a Notice to Proceed. The City reserves the right to remove all or any work from any Schedules I, II, III, IV, and V at any time without any penalties to the city. A Notice to Proceed will be issued immediately after a contract is awarded by City Manager.

As described in the Bidding Documents, the bids are for a public works project Sandy Fire Debris Flow Mitigation (Project) which include, but are not limited to:

Schedule I: Runkle Canyon

1) 3,130 L.F. fiber rolls – large sediment barriers per Caltrans BMP SC-5; 2) 524 L.F. of 6' high gabion wall; 3) 699 C.Y. of structure excavation; 3) 651 L.F. of 8" sandbag barriers; 4) 35 L.F. of 24" high sandbag barriers with 8" diameter plastic flex pipe; and 5) all appurtenant work.

Schedule II: Fir Avenue, Sandy Avenue

1) 852 L.F. fiber rolls – large sediment barriers per Caltrans BMP SC-5; 2) 520 L.F. of 6' high gabion wall; 3) 694 C.Y. of structure excavation; 4) 338 L.F. of 8" sandbag barriers; 5) 278 L.F. of Caltrans Temporary Railing (Type K) per Caltrans Standard Plan T3A and T3B; and 6) all appurtenant work.

Schedule III: Camden Vista City Reservoir

1) 8,685 L.F. fiber rolls – large sediment barriers per Caltrans BMP SC-5; 2) 221 L.F. of 8" sandbag barriers; 3) 200 L.F. of 24" high sandbag barriers with 8" diameter plastic flex pipe; and 4) all appurtenant work.

Schedule IV: Max Court and Peter Place

1) 3,036 L.F. fiber rolls – large sediment barriers per Caltrans BMP SC-5; 2) 135 L.F. of 6' high gabion wall; 3) 180 C.Y. of structure excavation; 4) 1,213 L.F. of 8" sandbag barriers; and 5) all appurtenant work.

Schedule V: Sunnydale Avenue

1) 234 L.F. of 6' high gabion wall; 2) 312 C.Y. of structure excavation; 3) 6 L.F. of 27" perforated CMP with H-6 hugger band; and 4) all appurtenant work.

Copies of these plans and specifications may be obtained by prospective bidders from the Public Works Director or downloaded from the City's "Bids & Proposals" website at www.simivalley.org/BidsAndProposals. The Bid shall be submitted and the work shall be performed by a State of California Class A licensed contractor in strict conformance with Specification No. SV 27-16, and now on file in the City's Department of Public Works and the Office of the City Clerk.

Work on the Project must be performed in strict conformity with Specification No. SV 27-16 as adopted by the City Manager on October 6, 2026, which is filed with the City's Public Works Department. Copies of these plans and specifications may be obtained by prospective bidders from the City Engineer for a non-refundable fee of \$30, plus \$10.00 mailing fee, if mailed.

The terms and conditions for bidding on the Project are described in the attached Bidding Instructions.

This Project requires payment of State prevailing rates of wages for Ventura County. The contractor must post copies of the prevailing schedule at each job site. Copies of these rates of wages are available from the State of California Department of Industrial Relations Prevailing Wage Unit, Telephone No. (415) 703-4774. The website for this agency is currently located at www.dir.ca.gov.

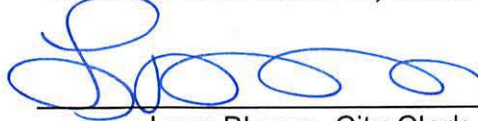
Note that the Project is subject to compliance monitoring and enforcement by the California Department of Industrial Relations. Pursuant to California law, the City must find bids failing to comply with all applicable Labor Code requirements including, without limitation, Labor Code §§ 1725.5 and 1771.4, to be nonresponsive.

[IF APPLICABLE: The contractor to whom the contract is awarded must assist in locating, qualifying, hiring and increasing the skills of minority group employees and applicants for employment, as set forth in Executive Order 11246 and 11375.]

Five percent (5%) will be deducted from each progress payment and retained by the City. The remainder less the amount of all previous payments will be paid to the Contractor. Pursuant to Public Contracts Code ("PCC") § 22300, the Contractor may substitute securities for retention monies held by the City or request that the City place such monies into an escrow account. The Contractor is notified, pursuant to PCC § 22300, any such election will be at the Contractor own expense and will include costs incurred by the City to accommodate the Contractor's request.

DATED this 14th day of October, 2026.

CITY OF SIMI VALLEY, CALIFORNIA



Lucy Blanco, City Clerk

BIDDING INSTRUCTIONS

- 1 DEFINITIONS.** Unless provided otherwise, the definitions in the Greenbook, Special Conditions, or other Contract Documents are applicable to all Bidding Documents.

1.1. "Addenda" means written or graphic instruments issued by the City before the Bid Deadline that modify or interpret the Bidding Documents by additions, deletions, clarifications, or corrections.

1.2. "Alternate" means a proposed change in the Work, as described in the Bidding Documents which, if accepted, may result in a change to either the Contract Sum or the Contract Time, or both.

1.3. "Bid Deadline" means the date and time designated in the Notice for Bids as the last date and time for receipt of Bids, as may be revised by Addenda.

1.4. "Bidder" means a person or firm that submits a Bid.

1.5. "Bidding Documents" means the construction documents prepared and issued for bidding purposes including all Addenda.

1.6. "Lump Sum Base Bid" means the sum stated in the Bid for which Bidder offers to perform the Work described in the Bidding Documents, but not including unit price items or Alternates.

1.7. "Unit Price" means an amount stated in the Bid for which Bidder offers to perform the Unit Price Work for a fixed price per unit of measurement.

- 2 BIDDER'S REPRESENTATIONS.** By making its Bid, Bidder represents that:

2.1. Bidder read, understood, and made the Bid pursuant to the requirements in the Bidding Documents.

2.2. Bidder visited the Project site and is familiar with the conditions under which the Work will be performed and the local conditions as related to the Contract Documents.

2.3. The Bid is based upon the materials, equipment, and systems required by the Bidding Documents.

2.4. Bidder and all Subcontractors, regardless of tier, have the appropriate current licenses issued by the State of California Contractor's State License Board for the Work to be performed. If Bidder is a joint venture, the Bidder will have a joint venture license appropriate for the performance of the work, and each member of the joint venture will likewise have the appropriate license. Business and Professions Code §§ 7000-7191 establish licensing requirements for contractors.

If a Bidder, that is a specialty contractor, submits a Bid involving 3 or more specialized building trades, the work of which is more than incidental and supplemental to the performance of the Work for which Bidder holds a specialty contractor license, Bidder must also hold either (1) a specialty contractor "C" license in each such trade, (2) a General Engineering contractor "A" license, or (3) a General Building contractor "B" license. This requirement is applicable whether or not Bidder lists a Subcontractor for each such trade.

2.5. If licensure or proper licensure is controverted, then proof of licensure pursuant to this section must be made by production of a verified certificate of licensure from the Contractors' State License Board which establishes that the individual or entity bringing the action was duly licensed in the proper classification of contractors at all times during the performance of any act or contract covered by the action. Nothing in this subdivision requires any person or entity controverting licensure or proper licensure to produce a verified certificate. When licensure or proper licensure is controverted, the burden of proof to establish licensure or proper licensure is on the licensee.

2.6. Bidder has the expertise and financial capacity to perform and complete all obligations under the Bidding Documents.

2.7 The person executing the Bid Form is duly authorized and empowered to execute the Bid Form on Bidder's behalf.

2.8 Bidder is aware of and, if awarded the Contract, will comply with Applicable Code Requirements in its performance of the Work.

2.9. The Bidder has paid the City's business license fee(s).

3 BIDDING DOCUMENTS.

3.1. Bidders may obtain complete sets of the Bidding Documents from the City's Public Works Department for the sum stated in the Notice for Bids.

3.2. Bidders will use a complete set of Bidding Documents in preparing Bids.

3.3. The City makes copies of the Bidding Documents available, on the above terms, for the sole purpose of obtaining Bids for the Work and does not confer a license or grant permission for any other use of the Bidding Documents.

3.4. CARB IUOR Fleet Certification. Bidders must submit a completed California Air Resources Board In-Use Off-Road Diesel-Fueled Fleets Certification, with Bidder's Certificate of Reported Compliance included if applicable. City will reject a bid from a Bidder that does not indicate conformance to the California Air Resources Board ("CARB") In-Use Off-Road Diesel-Fueled Fleets requirements (13 Cal. Code of Regs. sections 2449, 2449.1 and 2449.2).

4 INTERPRETATION OR CORRECTION OF BIDDING DOCUMENTS.

4.1. Before submitting its Bid, Bidder will carefully study and compare the various documents comprising the Bidding Documents and compare them with any other work being bid concurrently or presently under construction which relates to the Work for which the Bid is submitted; will examine the Project site, the conditions under which the Work is to be performed, and the local conditions; and will at once report to the City's Representative errors, inconsistencies, or ambiguities discovered.

4.2. Requests for clarification or interpretation of the Bidding Documents will be addressed to the City's Representative.

4.3. Clarifications, interpretations, corrections, and changes to the Bidding Documents will be made by Addenda. Clarifications, interpretations, corrections, and changes to the Bidding Documents made in any other manner will not be binding and Bidders will not rely upon them.

5 PRODUCT SUBSTITUTIONS. No substitutions will be considered before award of Contract. Substitutions will only be considered after award of the Contract and as provided for in the Contract Documents.

6 SUBCONTRACTORS.

6.1. Each Bidder will list in the Bid Form all first-tier Subcontractors that will perform work, labor or render such services. The Bid Form contains spaces for the following information when listing Subcontractors: (1) Work Activity; (2) name of Subcontractor; (3) city of Subcontractor's business location. Failure to list any of these items on the Bid Form will result in the City treating the Bid as if no Subcontractor was listed for the Work and that Bidder represents to the City that it is fully qualified to perform that portion of the Work and will perform do so.

6.2. Subcontractors listed in the Bid Form will only be substituted after the Bid Deadline with the City's written consent in accordance with California law.

7 SELF-PERFORMANCE. Each Bidder must submit a bid based on the Bidder performing at least 50% of the Work with its own organization. Each Bidder must account for this requirement when listing proposed Subcontractors and assigning portions of the Work. A Bidder may not rely on Subcontractors to perform more than the portion of the Work that remains after the required 50% self-performance is reserved to the Bidder. By submitting a bid, each Bidder represents that it can and will meet this self-performance requirement. A bid that does not show the Bidder's ability to meet this requirement may be found nonresponsive.

8 ADDENDA.

8.1. Addenda will be in writing and issued only by the City. Addenda will be mailed or delivered to all who are known by the City to have received a complete set of Bidding Documents and who have provided a street address for receipt of Addenda.

8.2. Copies of Addenda will be made available for inspection at the City's Public Works Department.

8.3. The City will issue Addenda so that they are received by prospective Bidders not later than three (3) business days before the Bid Deadline. Addenda that withdraw the request for Bids or postpone the Bid Deadline may be issued any time before the Bid Deadline.

7.4. Each Bidder is responsible for ensuring that it has received all issued Addenda before issuing a Bid by checking the City's website at www.simivalley.org/BidsAndProposals.

- 9 PRE-BID CONFERENCE.** If a Pre-Bid Conference is required, Bidder will attend a Pre-Bid Conference where the City will discuss the Bidding Documents, answer questions, accept comments, and conduct a Project site visit. The City requires all Pre-Bid Conference attendees to arrive for the meeting on time and to sign an attendance list which is used to determine if Bidders meet this requirement. Any Bidder not attending the Pre-Bid Conference in its entirety will be deemed to have not complied with the requirements of the Bidding Documents and its Bid will be rejected.

10 FORM AND STYLE OF BIDS.

10.1. Bids will be submitted on the Bid Form included with the Bidding Documents. Bids not submitted on the City's Bid Form will be rejected.

10.2. All blanks on the Bid Form will be filled in legibly in ink or electronically.

10.3. Bidder's failure to submit a price for any Alternate or unit price will result in the Bid being considered as nonresponsive. If Alternates are called for and no change in the Lump Sum Base Bid is required, enter "No Change."

10.4. Each Bidder must fill out the "Bidders Statement of Past Contract Disqualifications" form stating any and all instances of contract disqualifications due to a violation of a law or safety regulation. The Bidder must explain the circumstances of each disqualification. The City may reject the bid based on such information.

10.5. Bidder will make no stipulations on the Bid Form nor qualify the Bid in any manner.

10.6. The Bids will be based upon full completion of all the Work as shown on the plans and specifications. It is expressly understood that the plans are drawn with as much accuracy as is possible in advance, but should errors, omissions or discrepancies exist in the plans which show conditions that vary from those encountered in construction, the Bidder (if awarded the Contract) specifically agrees

to construct a completed work ready for the use and in the manner which is intended. In the event of increasing or decreasing of work, the total amount of work actually done or materials or equipment furnished must be paid for according to the unit or lump sum price established for such work under the contract, wherever such unit or lump sum price has been established. In the event no prices are named in the contract to cover such changes or alterations, the cost of such changes must be covered as extra work.

10.7. The Bid Form will be signed by a person or persons legally authorized to bind Bidder to a contract. Bidder's Representative will sign and date the Declaration included in the Bid Form. Failure to sign and date the declaration will cause the Bid to be rejected.

11 BID SECURITY.

11.1. Each Bid will be accompanied by Bid Security, in the amount of 10% of the Lump Sum Base Bid as security for Bidder's obligation to enter into a Contract with the City on the terms stated in the Bid Form and to furnish all items required by the Bidding Documents. Bid Security will be a Bid Bond on the form provided by the City or a certified check made payable to "City of Simi Valley." When a Bond is used for Bid Security, failure to use the City's Bid Bond form will result in the rejection of the Bid.

11.2. If the apparent lowest responsible Bidder fails to sign the Agreement and furnish all items required by the Bidding Documents within the time limits specified in these Instructions to Bidders, the City will disqualify such Bidder and select the next apparent lowest responsible Bidder until all bids have been exhausted or the City may reject all bids. In such an event, the disqualified Bidder will be liable for and forfeit to the City the amount of the difference, not to exceed the amount of the Bid Security, between the amount of the disqualified Bid and the larger amount for which the City procures the Work.

11.3. If a Bid Bond is submitted and an attorney-in-fact executes the Bid Bond on behalf of the surety, a notarized and current copy of the power of attorney will be affixed to the Bid Bond. The surety issuing the Bid Bond will be listed in the latest published State of California, Department of Insurance list of, "Insurers Admitted to Transact Surety Insurance in This State."

11.4. The City will retain Bid Security until the occurrence of one of the following:

11.4.1. All items required by the Bidding Documents have been furnished and the Agreement has been signed by the successful Bidder and the City.

11.4.2. The specified time has elapsed during which Bids may be withdrawn.

11.4.3. All Bids have been rejected.

11.5. The Bid Form, Bid Security, and all other documents required to be submitted with the Bid will be enclosed in a sealed opaque envelope. The envelope will be addressed to the City Clerk. The envelope will be identified with the Project name, Bidder's name and address, and, if applicable, the designated portion of the Project for which the Bid is submitted. If the Bid is sent by mail, the sealed envelope will be enclosed in a separate mailing envelope labeled as follows: "SEALED BID ENCLOSED."

11.6. Bids will be deposited at the designated location on or before the Bid Deadline. A Bid received after the Bid Deadline will be returned to Bidder unopened.

11.7. Bidder will assume full responsibility for timely delivery at the location designated for receipt of Bids.

11.8. Oral, telephonic, facsimile, or telegraphic Bids are invalid and will not be accepted.

12 MODIFICATION OR WITHDRAWAL OF BID.

12.1. Before the Bid Deadline, a submitted Bid may be modified or withdrawn. Notice of such action will be given to the City in writing and signed by the Bidder's authorized representative. A change so made will be so worded as not to reveal the amount of the original Bid.

12.2. A withdrawn Bid may be resubmitted up to the Bid Deadline, provided that it then fully complies with the Bidding Requirements.

12.3. Bid Security will be in an amount sufficient for the Bid as modified or resubmitted.

12.4. Bids may not be modified, withdrawn, or canceled within sixty (60) days after the Bid Deadline unless otherwise provided in Supplementary Instructions to Bidders.

13 OPENING OF BIDS. Bids submitted in the manner required by these instructions and are received on or before the Bid Deadline will be opened publicly.

14 REJECTION OF BIDS.

14.1. The City will have the right to reject all Bids.

14.2. The City will have the right to reject any Bid not accompanied by the required Bid Security or any other item required by the Bidding Documents, or a Bid which is in any other way materially incomplete, irregular, or miscalculation.

14.3. The City may reject bids based on contractors' availability to begin construction in a timely manner.

15 AWARD.

15.1. The City may retain all bids for a period of 60 days for examination and comparison, and to delete any portion of the work from the contract.

15.2. The City will have the right to waive nonmaterial irregularities in a Bid and to accept the lowest responsive Bid as determined by The City.

15.3. The City will have the right to accept Alternates in any order or combination, unless otherwise specifically provided in the Bidding Documents.

15.4. The City will determine the low Bidder on the basis of the sum of the Lump Sum Base Bid plus all unit prices multiplied by their respective estimated quantities as stated in the Bid Form.

15.5. The City will select the apparent lowest responsive and responsible Bidder and notify such Bidder within 10 days (unless number of days is modified in Supplementary Instructions to Bidders) after the Bid Deadline or reject all bids. Within 10 days after receiving the City's notice that Bidder was selected as the apparent lowest responsive Bidder, Bidder will submit to the City all of the following items:

15.5.1. One (1) original of the Agreement signed by the bidder.

15.5.2. One (1) original of the Payment Bond.

15.5.3. One (1) original of the Performance Bond.

15.5.4. Certificates of Insurance on form provided by the City.

15.5.5. Names of all Subcontractors, with their addresses, telephone number, facsimile number, trade on Bidders' company stationery. Evidence, as required by the City, of the reliability and responsibility of the proposed Subcontractors such as statements of experience, statements of financial condition, and references.

15.5.6. Preliminary Contract Schedule.

15.5.7. Selection of Retention Options and Escrow Agreement for Deposit of Securities in Lieu of Retention and Deposit of Retention. If not submitted, the City will withhold retention.

15.5.8 Cost Breakdown.

15.6. Before award of the Contract, the City will notify Bidder in writing, if the City objects to a Subcontractor proposed by Bidder, in which case Bidder will propose a substitute acceptable to the City. Failure of the City to object to a proposed Subcontractor before award will not preclude the City from requiring replacement of any Subcontractor based upon information received subsequent to award,

information which cannot be properly evaluated before award due to time constraints, or information relating to a failure to comply with the requirements of the Contract.

15.7. Bidder must provide all required documents prior to acquiring approval by the City Manager. Bidder will then sign the Agreement electronically within 2 days after receiving the City's notification.

15.8 If the City consents to the withdrawal of the Bid of the apparent lowest responsible Bidder, or the apparent lowest responsible Bidder fails or refuses to sign the Agreement or submit to the City all of the items required by the Bidding Documents, within 10 days after receiving the City's notification, or the City determines that the Bidder is not financially or otherwise qualified to perform the Contract, the City may reject such Bidder's Bid and select the next apparent lowest responsible Bidder, until all bids are exhausted, or reject all Bids.

16 OTHER BID TERMS AND CONDITIONS.

16.1. California Public Records Act. All information contained in the bid, and the Proposal itself, is a public record and subject to release to the public once opened. Bidders should not include trade secrets or other confidential information in their bids. To request public records, please visit www.simivalley.org/recordsrequest or contact City Clerk's Office at (805) 583-6748.

Submit with Bid

CITY OF SIMI VALLEY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

PROPOSAL

FOR

SANDY FIRE DEBRIS FLOW MITIGATION PROJECT, GT29800001

SPECIFICATION NO. SV 27-16

CONTRACTOR'S NAME: _____

SUBMIT PAGES 16 THROUGH 37 FULLY EXECUTED WITH THIS PROPOSAL

Submit with Bid**B I D****BID TO: CITY OF SIMI VALLEY, CALIFORNIA**

The undersigned Bidder proposes and agrees, if this Bid is accepted, to enter into an Agreement with the City in the form included in the Contract Documents (as defined in Article 4 of the Agreement) to perform the Work as specified or indicated in said Contract Documents entitled:

**SANDY FIRE DEBRIS FLOW MITIGATION PROJECT, GT29800001
SPECIFICATION NO. SV 27-16**

COMPLETION TIME:	35 consecutive working days when the City issues a Notice to Proceed
LIQUIDATED DAMAGES:	\$1,500
NUMBER OF PAGES IN PROPOSAL:	22

Bidder accepts all of the terms and conditions of the Contract Documents, including without limitation those in the Notice Inviting Bids and the Instructions to Bidders dealing with the disposition of the Bid Security.

This Bid will remain open for the period stated in the Notice Inviting Bids, unless otherwise required by law. Bidder will enter into an Agreement within the time and in the manner required in the Instructions to Bidders, and will furnish the insurance certificates, Payment Bond, Performance Bond, and all Permits required by the Contract Documents.

Bidder has examined copies of all the Contract Documents, including the following Addenda (receipt of which is hereby acknowledged):

Number _____	Date _____
Number _____	Date _____
Number _____	Date _____
Number _____	Date _____

Bidder has familiarized itself with the nature and extent of the Contract Documents, the Work, the site, the locality where the Work is to be performed, the legal requirements (federal, state, and local laws, ordinances, rules, and regulations), and the conditions affecting cost, progress, or performance of the Work, and has made such independent investigations as Bidder deems necessary.

In conformance with the current statutory requirements of California Labor Code Section 1860, et seq., the undersigned confirms the following as its certification:

I am aware of the provisions of Section 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, before commencing the performance of the Work of this Contract.

To all the foregoing, and including all Bid Schedule(s), List of Subcontractors, Non-collusion Affidavit, Bidder's General Information, and Bid Bond contained in these Bid Forms, said Bidder further agrees to complete the Work required under the Contract Documents within the Contract Time stipulated in said Contract Documents, and to accept in full payment therefor the Contract Price based on the Lump Sum or Unit Bid Price(s) named in the aforementioned Bidding Schedule(s).

Dated: _____

Bidder: _____

Address: _____

Phone #: _____

Email: _____

Fax: _____

By: _____
(Signature)

Submit with Bid**UNIT PRICE BID SCHEDULE**

Schedule of Prices for the Construction of the:
SANDY FIRE DEBRIS FLOW MITIGATION PROJECT
SPECIFICATION NO. SV 27-16
 in Simi Valley, California

Item No.	Payment Reference	Description	Estimated Quantity	Unit	Unit Price	Total
Schedule I: RUNKLE CANYON						
1.	5002-9	Traffic Control, Construction Signing and Traffic Maintenance	1	LS		
2.	5003-4	Stormwater Pollution Control	1	LS		
3.	5006-2	Construction Surveying	1	LS		
4.	5081-7	Gabion Wall (6' High)	524	LF		
5.	5081-7	Structure Excavation	699	CY		
6.	5097-6	Fiber Rolls – Large Sediment Barrier (20" Diameter) Per Caltrans BMP SC-5	3,130	LF		
7.	5097-6	8" High Sandbag Barrier	651	LF		
8.	5097-6	24" High Sandbag Barrier with Flex Pipe	35	LF		
Schedule I: RUNKLE CANYON Total Cost						
Schedule II: FIR AVENUE AND SANDY AVENUE						
9.	5002-9	Traffic Control, Construction Signing and Traffic Maintenance	1	LS		
10.	5003-4	Stormwater Pollution Control	1	LS		
11.	5006-2	Construction Surveying	1	LS		
12.	5081-7	Gabion Wall (6' High)	520	LF		
13.	5081-7	Structure Excavation	694	CY		
14.	5097-6	Fiber Rolls – Large Sediment Barrier (20" Diameter) Per Caltrans BMP SC-5	852	LF		
15.	5097-6	8" High Sandbag Barrier	338	LF		
16.	5097-6	Temporary Railing (Type K) Per Caltrans Standard Plan T3A and T3B	278	LF		
Schedule II: FIR AVENUE AND SANDY AVENUE Total Cost						
Schedule III: CAMDEN VISTA CITY RESERVOIR						
17.	5002-9	Traffic Control, Construction Signing and Traffic Maintenance	1	LS		
18.	5003-4	Stormwater Pollution Control	1	LS		
19.	5006-2	Construction Surveying	1	LS		
20.	5097-6	Fiber Rolls – Large Sediment Barrier (20" Diameter) Per Caltrans BMP SC-5	8,685	LF		
21.	5097-6	8" High Sandbag Barrier	221	LF		
22.	5097-6	24" High Sandbag Barrier with Flex Pipe	200	LF		
Schedule III: CAMDEN VISTA CITY RESERVOIR Total Cost						

Schedule IV: MAX COURT AND PETER PLACE						
23.	5002-9	Traffic Control, Construction Signing and Traffic Maintenance	1	LS		
24.	5003-4	Stormwater Pollution Control	1	LS		
25.	5006-2	Construction Surveying	1	LS		
26.	5081-7	Gabion Wall (6' High)	135	LF		
27.	5081-7	Structure Excavation	180	CY		
28.	5097-6	Fiber Rolls – Large Sediment Barrier (20" Diameter) Per Caltrans BMP SC-5	3,036	LF		
29.	5097-6	8" High Sandbag Barrier	1,213	LF		
Schedule IV: MAX COURT AND PETER PLACE Total Cost						
Schedule V: SUNNYDALE AVENUE						
30.	5002-9	Traffic Control, Construction Signing and Traffic Maintenance	1	LS		
31.	5003-4	Stormwater Pollution Control	1	LS		
32.	5006-2	Construction Surveying	1	LS		
33.	5081-7	Gabion Wall (6' High)	234	LF		
34.	5081-7	Structure Excavation	312	CY		
35.	5097-6	Install 27" Perforated CMP With H-6 Hugger Band	6	LF		
Schedule V: SUNNYDALE AVENUE Total Cost						

TOTAL BID PRICE – FOR SCHEDULE I, II, III, IV, and V COMBINED
For the lump sum of

\$ _____
(Price in figures)

(Price in words)

Contractor must bid on all Schedules.

The bid shall be balanced so that each bid item is priced to carry its share of the cost of the work and also its share of the contractor's overhead and profit. The City reserves the right to award to a single or multiple contracts for either Schedule I, II, III, IV, or V and any combination of Schedule I, II, III, IV, and V. In accordance with the Simi Valley Municipal Code Section 2-9.202 and in accordance with the declared Local Emergency, the award of contract will be based on the lowest bidder on Schedule I, II, III, IV, V or any combination of Schedule I, II, III, IV, and V. The City may also opt to award separate schedules to different contractors based on the lowest bid on each schedule. The City will compare the lowest bid for all five schedules against the lowest combined cost of awarding schedules separately. Each schedule can be completed independently. The

City reserves the right to award or not to award. The City may reject bids based on contractors' availability to begin construction in a timely manner. A Notice to Proceed will be given to the Contractor immediately after a contract is awarded by City Manager.

Provided are the expected completion times:

The expected completion time of the of all Schedules I, II, III, IV, and V of this Project is 35 consecutive working days when the City issues a Notice to Proceed.

QUANTITIES OF WORK:

The quantities of work or material stated in the unit price items of the Bid Schedule are supplied only to give an indication of the general scope of the Work. The City of Simi Valley does not expressly or by implication agree that the actual amounts of work or material will correspond therewith, and reserves the right after award to increase or decrease the quantity of any unit price bid item, by an amount up to 25 percent of increase or decrease, without a change in the unit prices, and shall have the right to delete any bid item in its entirety, and receive full credit in the amount shown in the Bid Schedule for the deleted item of Work.

Name of Bidder or Firm

Submit with Bid**INSURANCE REQUIREMENTS**

To be awarded this contract, the successful bidder must procure and maintain the following types of insurance with coverage limits complying, at a minimum, with the limits set forth below:

<u>Type of Insurance</u>	<u>Limits</u>
Commercial general liability:	\$5,000,000
Business automobile liability	\$5,000,000
Workers compensation	Statutory requirement.

Commercial general liability insurance must meet or exceed the requirements of ISO-CGL Form No. CG 00 01 11 85 or 88. The amount of insurance set forth above must be a combined single limit per occurrence for bodily injury, personal injury, and property damage for the policy coverage. Liability policies must be endorsed to name the City, its officials, and employees as "additional insureds" under said insurance coverage and to state that such insurance will be deemed "primary" such that any other insurance that may be carried by the City will be excess thereto. Such endorsement must be reflected on ISO Form No. CG 20 10 11 85 or 88, or equivalent. Such insurance must be on an "occurrence," not a "claims made," basis and will not be cancelable or subject to reduction except upon thirty (30) days prior written notice to the City.

Automobile coverage must be written on ISO Business Auto Coverage Form CA 00 01 06 92, including symbol 1 (Any Auto).

The Contractor must furnish to the City duly authenticated Certificates of Insurance evidencing maintenance of the insurance required under this Agreement, endorsements as required herein, and such other evidence of insurance or copies of policies as may be reasonably required by the City from time to time. Insurance must be placed with admitted insurers with a current A.M. Best Company Rating equivalent to at least a Rating of "A:VII." Certificate(s) must reflect that the insurer will provide thirty (30) day notice of any cancellation of coverage. The Contractor will require its insurer to modify such certificates to delete any exculpatory wording stating that failure of the insurer to mail written notice of cancellation imposes no obligation, and to delete the word "endeavor" with regard to any notice provisions.

Submit with Bid

By signing this form, the bidder certifies that it has read, understands, and will comply with these insurance requirements if it is selected as the City's contractor. Failure to provide this insurance will render the bidder's proposal "nonresponsive."

Date

Bidder

Submit with Bid**BID BOND**

KNOW ALL MEN BY THESE PRESENTS: That we _____

_____, Principal,

and _____

_____, Surety, are held and firmly bound unto

THE CITY OF SIMI VALLEY Obligee,
 in the sum of Ten Percent of the total amount of the Bid for the payment of which we bind ourselves, our legal representatives, successors and assigns, jointly and severally, firmly by these presents.

WHEREAS, Principal has submitted or is about to submit a bid or proposal to Obligee on a contract for

SANDY FIRE DEBRIS FLOW MITIGATION PROJECT**PROJECT**

NOW, THEREFORE, if that contract be awarded to principal and principal shall, within such time as specified, duly execute the contract in the prescribed form and deliver the same to obligee with all required bonds/performance securities, certificates of insurance and such other items as required in the bidding or contract documents then this obligation shall be null and void; otherwise to remain in full force and effect, and if the contract is awarded to principal and principal fails, within the time specified, to duly execute the contract in the prescribed form and deliver the same to obligee with all said required items, then surety shall pay obligee the full sum of this bond.

Surety, for value received, hereby agrees that no extension of time, change, alteration, modification, or addition to the bidding or contract documents, or of the work required thereunder, shall release or exonerate surety on this bond or in any way affect the obligation of this bond; and surety does hereby waive notice of same.

Signed, sealed and dated

(Principal)

by _____ (Seal)

(Surety)by _____
Attorney-in-Fact

INDICATE COMPLETE ADDRESS OF SURETY TO WHICH CORRESPONDENCE CONCERNING THIS BOND SHOULD BE DIRECTED.

Telephone No. _____

Form PW-B-1

Submit with Bid**LIST OF SUBCONTRACTORS AND OFF-JOB FABRICATORS**Contractor's Name

Listing must comply with the provisions of Public Contract Code § 4104.

Name of Subcontractor or Off-Job Fabricator	PWC Number	CSLB Number	Address	Items of Work

If more space is needed, attach additional sheets.

Public Contract Code § 4104 provides that bidders must list:

- (a)(1) The name, the location of the place of business, and the California contractor license number of each subcontractor who will perform work or labor or render service to the prime contractor in or about the construction of the work or improvement, or a subcontractor licensed by the State of California who, under subcontract to the prime contractor, specially fabricates and installs a portion of the work or improvement according to detailed drawings contained in the plans and specifications, in an amount in excess of one-half of 1 percent of the prime contractor's total bid or, in the case of bids or offers for the construction of streets or highways, including bridges, in excess of one-half of 1 percent of the prime contractor's total bid or ten thousand dollars (\$10,000), whichever is greater.

Per Public Contract Code §4104, Contractor's bidding on public projects are required to list above California contractor license numbers and DIR registration numbers for all subcontractor's performing work in excess of one-half of one-percent of the contract's value.

Submit with Bid**BIDDER'S GENERAL INFORMATION**

The Bidder must furnish the following information. Failure to complete all Items will cause the Bid to be non-responsive and will cause its rejection. Additional sheets may be attached as required.

1. BIDDER/CONTRACTOR'S Name and Street Address:

2. CONTRACTOR'S Telephone Number: () _____
 Facsimile Number: () _____
 Email address: _____

3. CONTRACTOR'S License: Primary Classification _____
 State License Number(s) _____
 Supplemental License Classifications _____

4. Surety Company and Agent who will provide the required Bonds on this Contract:
 Name of Surety _____
 Address _____

 Surety Company Agent _____
 Telephone Numbers: Agent () _____ Surety () _____

5. Type of Firm (Individual, Partnership or Corporation): _____

6. Corporation organized under the laws of the State of: _____

7. List the names and addresses of the principal members of the firm or names and titles of the principal officers of the corporation or firm:

_____	_____
_____	_____
_____	_____

BIDDER'S GENERAL INFORMATION (Continued)

8. Number of years experience as a contractor in this specific type of construction work: _____

9. List at least three related projects of comparable size and complexity completed to date:

1.	Owner _____	Address _____
	Contact _____	Class of Work _____
	Phone (_____) _____	Contract amount _____
	Project _____	Date completed _____

2.	Owner _____	Address _____
	Contact _____	Class of Work _____
	Phone (_____) _____	Contract amount _____
	Project _____	Date completed _____

3.	Owner _____	Address _____
	Contact _____	Class of Work _____
	Phone (_____) _____	Contract amount _____
	Project _____	Date completed _____

10. List the name and title of the person who will supervise full-time the proposed work for your firm:

11. Is full-time supervisor an employee _____ contract services _____?

12. A financial statement or other information and references sufficiently comprehensive to permit an appraisal of your current financial condition may be required by the Engineer.

13. Name of the person who inspected the site of the proposed Work for the bidder:

Name: _____ Date of Inspection: _____

Submit with Bid

WORKERS' COMPENSATION CERTIFICATE

(AS REQUIRED BY LABOR CODE SECTION 1861)

I am aware of the provisions of Section 3700 of the California Labor Code, which requires every employer to be insured against liability for workers' compensation, or to undertake self-insurance in accordance with the provisions of said Code, and I will comply with such provisions before commencing the performance of the Work of this Contract.

Contractor _____

By _____

Title _____

Submit with Bid

IN-USE OFF-ROAD DIESEL-FUELED FLEETS CERTIFICATION

DOCUMENT 00 4548

TO BE EXECUTED BY ALL BIDDERS AND SUBMITTED WITH BID

The undersigned Bidder certifies to City as set forth in sections 1 through 2, below.

1. Certification of Compliance. I certify that I and all of my Subcontractors will conform to the California Air Resource Board (CARB) In-Use Off-Road Diesel-Fueled Fleets requirements for all work involving the use of vehicles subject to the regulations, including, without limitation, as applicable, the Contracting Requirements in 13 Cal. Code of Regs section 2449, subdivision (i), subparts (1) – (4), and the Prime Contractor Requirements in Title 13 CCR section 2449, subdivision (j), subparts (1) – (5).

2. Instructions. Check one (1) box below.

☐ Bidder's current CARB issued Certificate of Reported Compliance accompanies this Certification. (If this box is checked, the Certificate *must be* provided.)

☐ Bidder certifies that its work on the Project (including work of its Subcontractors) does not involve the use of vehicles subject to the CARB In-Use Off-Road Diesel-Fueled Fleets requirements.

BIDDER: _____
(Name of Bidder)

Date: _____, 2024 By: _____
(Signature)

Name: _____
(Print Name)

Its: _____
(Title)

END OF DOCUMENT

IN-USE OFF-ROAD DIESEL-FUELED FLEETS REGULATION**DOCUMENT 00 7324**

Attention is directed to provisions of 13 California Code of Regulations Sections 2449, 2449.1, and 2449.2 governing In-Use Off-Road Diesel-Fueled Fleets (Regulation), issued by the California Air Resources Board (CARB). Contractor warrants that it is knowledgeable of and will comply with the Regulation including, without limitation, the matters contained in this Document, at all times before and during its work on the Project. The Regulation controls in the event of any conflict between this Document and the Regulation.

21. Contracting Requirements.

- 21.1. If the Project involves the use of vehicles subject to the Regulation, Contractor must obtain copies of the valid Certificates of Reported Compliance, as described in Regulation section 2449(n), for the fleet selected for the Contract and its listed subcontractors, if applicable, before entering into a new or renewed contract with that fleet.
- 21.2. Contractor may not enter into a contract with a fleet for which it does not have a valid Certificate of Reported Compliance for the fleet and Contractor's listed Subcontractors, if applicable, before entering into a new or renewed contract with that fleet.
- 21.3. The Certificates of Reported Compliance received by the Contractor for the Project must be retained for three years after the Project's completion. Upon request by CARB, these records must be provided to CARB within five business days of the request.
- 21.4. If the Project is considered to be an emergency operation, as defined in Regulation section 2449(c)(18), it is exempt from the requirements in Regulation section 2449(i)(1)-(3). Nevertheless, Contractor must still retain records verifying vehicles subject to the Regulation that are operating on the emergency operations project are actually being operated on the project for emergency operations only. These records must include a description of the emergency, the address or a description of the specific location of the emergency, the dates on which the emergency operations were performed, and an attestation by the fleet that the vehicles are operated on the project for emergency operations only.

22. Other Contractor Requirements.

- 22.1. Between March 1 and June 1 of each year, Contractor must collect new valid Certificates of Reported Compliance for the current compliance year, as defined in Regulation section 2449(n), from all fleets that have an ongoing contract with the Contractor as of March 1 of that year. Contractor must not write contracts to evade this requirement.

Submit with Bid

- 22.2. Contractor may only allow fleets with valid Certificates of Reported Compliance on Contractor's job sites.
- 22.3. If Contractor discovers that any fleet intending to operate vehicles subject to the Regulation for Contractor does not have a valid Certificate of Reported Compliance, as defined in Regulation section 2449(n), or if Contractor observes any noncompliant vehicles subject to the Regulation on Contractor's job site, then Contractor must report the required information to CARB when as provided and within the time period contained in in the Regulation
- 22.4. Upon request by CARB, Contractor must immediately disclose to CARB the name and contact information of each responsible party for all vehicles subject to the Regulation operating at the job site or for Contractor.
- 22.5. If applicable, Contractor must prominently display signage for any project where vehicles subject to the Regulation as provided and within the time period contained in in the Regulation.

END OF DOCUMENT

SANDY FIRE DEBRIS FLOW MITIGATION PROJECT, GT29800001

- [illegible]

QUESTIONNAIRE REGARDING SUBCONTRACTORS

Bidder shall answer the following questions and submit with the Proposal.

1. Were bid depository or registry services used in obtaining subcontractor bid figures in order to compute your bid? Yes () No ()
2. If the answer to No. 1 is "yes", please forward a copy of the rules of each bid depository you used with this questionnaire.
3. Did you have any source of subcontractors' bids other than bid depositories? Yes () No ()
4. Has any person or group threatened you with subcontractor boycotts, union boycotts or other sanctions to attempt to convince you to use the services or abide by the rules of one or more bid depositories? Yes () No ()
5. If the answer to No. 4 is "yes", please explain the following details:
 - (a) Date:
 - (b) Name of person or group:
 - (c) Job involved (if applicable):
 - (d) Nature of threats:
 - (e) Additional comments: (Use additional paper if necessary)

We declare under penalty of perjury that the foregoing is true and correct.

Dated this _____ day of _____, 20__.

Name of Company

By _____

Title

By _____

NONCOLLUSION DECLARATION TO BE EXECUTED
BY
BIDDER AND SUBMITTED WITH BID

The undersigned declares:

I am the _____ of _____, the party making the foregoing bid. The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. 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. All statements contained in the bid are true. 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, to any corporation, partnership, company, association, organization, bid depository, or to any member or agent thereof, to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purpose.

Any person executing this declaration on behalf of a bidder that is a corporation, partnership, joint venture, limited liability company, limited liability partnership, or any other entity, hereby represents that he or she has full power to execute, and does execute, this declaration on behalf of the bidder.

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on _____[date], at _____[city], _____[state].

Note: The above Noncollusion Declaration is part of the Proposal. THE BIDDER'S EXECUTION OF THE SIGNATURE PORTION OF THE PROPOSAL STATEMENT shall also constitute signature of this Noncollusion Declaration. Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

EQUAL EMPLOYMENT OPPORTUNITY CERTIFICATE

The bidder hereby certifies that the bidder and proposed subcontractor(s), if any, (check one) have ____, or have not ____, participated in a previous contract or subcontract subject to the Equal Opportunity Clause, as required by Executive Orders 11246, entitled "Equal Employment Opportunity" as amended by Executive Order 11375, and supplemented by Department of Labor Regulations 41 CFR, Part 60, and that, where required, the bidder has filed with the Joint Reporting Committee, the Director of the Office of Federal Contract Compliance, a Federal Government Contracting or administering agency, or the former President's Committee on Equal Employment Opportunity, all reports due under the applicable filing requirements.

Note: The above certification is required by the Equal Employment Opportunity Regulations of the Secretary of Labor (41 CFR 60-1.7(b)(1), and must be submitted by bidders and proposed subcontractors only in connection with contracts and subcontracts which are subject to the equal opportunity clause. Contracts and subcontracts which are exempt from the equal opportunity clause are set forth in 41 CFR 60-1.5. (Generally only contracts or subcontracts of \$10,000 or under are exempt.)

Currently, Standard Form 100 (EE0-1) is the only report required by the Executive Orders or their implementing regulations.

Proposed prime contractors and subcontractors who have participated in a previous contract or subcontract subject to the Executive Orders and have not filed the required reports should note that 41 CFR 60-1.7(b)(1), prevents the award of contracts and subcontracts unless such contractor submits a report covering the delinquent period or such other period specified by the Federal Highway Administration or by the Director, Office of Federal Contract Compliance, U.S. Department of Labor.

Note: The bidder must place a check mark after "have" or "have not" in one of the blank spaces provided above.

THE BIDDER'S EXECUTION OF THE SIGNATURE PORTION OF THE PROPOSAL STATEMENT SHALL ALSO CONSTITUTE AN ENDORSEMENT AND EXECUTION OF THIS CERTIFICATE, WHICH IS A PART OF THIS PROPOSAL.

IRAN CONTRACTING ACT CERTIFICATION

Subject to certain exceptions, the Iran Contracting Act of 2010 (Public Contract Code Section 2200 et seq.) prohibits a party that engages in investment activities in Iran, as described in Public Contract Code Section 2202.5, from entering into any contract of \$1,000,000 or more for goods or services to be provided to a public entity. Each bidder must complete and submit this form titled "Iran Contracting Act Certification."

Bidder hereby certifies to the City of Simi Valley, subject to penalty for perjury pursuant to the laws of the State of California, that the following is true and correct:

The Bidder is not:

- 1) identified on the current list of persons and entities engaging in investment activities in Iran prepared by the California Department of General Services in accordance with subdivision (b) of Public Contract Code Section 2203; or
- 2) a financial institution that extends, for 45 days or more, credit in the amount of \$20,000,000 or more to any other person or entity identified on the current list of persons and entities engaging in investment activities in Iran prepared by the California Department of General Services in accordance with subdivision (b) of Public Contract Code Section 2203, if that person or entity uses or will use the credit to provide goods or services in the energy sector in Iran.

Notice: In accordance with Public Contract Code Section 2205, false certification of this form may result in civil penalties equal to the greater of \$250,000 or twice the Contract Amount, termination of the Contract and/or ineligibility to bid on contracts for three years.

CONTRACTOR: _____

THE BIDDER'S EXECUTION OF THE SIGNATURE PORTION OF THE PROPOSAL STATEMENT SHALL ALSO CONSTITUTE AN ENDORSEMENT AND EXECUTION OF THOSE STATEMENTS OR CERTIFICATIONS WHICH ARE A PART OF THIS PROPOSAL.

**NON-LOBBYING CERTIFICATION
FOR FEDERAL-AID CONTRACTS**

The prospective participant certifies, by signing and submitting this bid or proposal, to the best of his or her knowledge and belief, that:

- (1) No federal appropriated funds have been paid or will be paid, by or on behalf of the undersigned, to any person for influencing or attempting to influence an officer or employee of any federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with the awarding of any federal contract, the making of any federal grant, the making of any federal loan, the entering into of any cooperative agreement, and the extension, continuation, renewal, amendment, or modification of any federal contract, grant, loan, or cooperative agreement.
- (2) If any funds other than federal appropriated funds have been paid or will be paid to any person for influencing or attempting to influence an officer or employee of any federal agency, a Member of Congress, an officer or employee of Congress, or an employee of a Member of Congress in connection with this federal contract, grant, loan, or cooperative agreement, the undersigned shall complete and submit Standard Form-LLL, "Disclosure of Lobbying Activities," in accordance with its instructions.

This certification is a material representation of fact upon which reliance was placed when this transaction was made or entered into. Submission of this certification is a prerequisite for making or entering into this transaction imposed by Section 1352, Title 31, U.S. Code. Any person who fails to file the required certification shall be subject to a civil penalty of not less than \$10,000 and not more than \$100,000 for each such failure.

The prospective participant also agrees by submitting his or her bid or proposal that he or she shall require that the language of this certification be included in all lower tier subcontracts, which exceed \$100,000 and that all such sub recipients shall certify and disclose accordingly.

INSTRUCTIONS FOR COMPLETION OF SF-LLL, DISCLOSURE OF LOBBYING ACTIVITIES

This disclosure form shall be completed by the reporting entity, whether subawardee or prime federal recipient at the initiation or receipt of covered federal action or a material change to previous filing pursuant to title 31 U.S.C. Section 1352. The filing of a form is required for such payment or agreement to make payment to lobbying entity for influencing or attempting to influence an officer or employee of any agency, a Member of Congress an officer or employee of Congress or an employee of a Member of Congress in connection with a covered federal action. Attach a continuation sheet for additional information if the space on the form is inadequate. Complete all items that apply for both the initial filing and material change report. Refer to the implementing guidance published by the Office of Management and Budget for additional information.

1. Identify the type of covered federal action for which lobbying activity is and/or has been secured to influence, the outcome of a covered federal action.
2. Identify the status of the covered federal action.
3. Identify the appropriate classification of this report. If this is a follow-up report caused by a material change to the information previously reported, enter the year and quarter in which the change occurred. Enter the date of the last, previously submitted report by this reporting entity for this covered federal action.
4. Enter the full name, address, city, state and zip code of the reporting entity. Include Congressional District if known. Check the appropriate classification of the reporting entity that designates if it is or expects to be a prime or subaward recipient. Identify the tier of the subawardee, e.g., the first subawardee of the prime is the first tier. Subawards include but are not limited to subcontracts, subgrants and contract awards under grants.
5. If the organization filing the report in Item 4 checks "Subawardee" then enter the full name, address, city, State and zip code of the prime federal recipient. Include Congressional District, if known.
6. Enter the name of the federal agency making the award or loan commitment. Include at least one organization level below agency name, if known. For example, Department of Transportation, United States Coast Guard.
7. Enter the federal program name or description for the covered federal action (item 1). If known, enter the full Catalog of Federal Domestic Assistance (CFDA) number for grants, cooperative agreements, loans and loan commitments.
8. Enter the most appropriate federal identifying number available for the federal action identification in item 1 (e.g., Request for Proposal (RFP) number, Invitation for Bid (IFB) number, grant announcement number, the contract grant or loan award number, the application/proposal control number assigned by the federal agency). Include prefixes, e.g., "RFP-DE-90-001."
9. For a covered federal action where there has been an award or loan commitment by the Federal agency, enter the federal amount of the award/loan commitments for the prime entity identified in item 4 or 5.
10. (a) Enter the full name, address, city, state and zip code of the lobbying entity engaged by the reporting entity identified in Item 4 to influenced the covered federal action.
(b) Enter the full names of the individual(s) performing services and include full address if different from 10 (a). Enter Last Name, First Name and Middle Initial (MI).
11. Enter the amount of compensation paid or reasonably expected to be paid by the reporting entity (Item 4) to the lobbying entity (Item 10). Indicate whether the payment has been made (actual) or will be made (planned). Check all boxes that apply. If this is a material change report, enter the cumulative amount of payment made or planned to be made.
12. Check the appropriate box(es). Check all boxes that apply. If payment is made through an in-kind contribution, specify the nature and value of the in-kind payment.
13. Check the appropriate box(es). Check all boxes that apply. If other, specify nature.
14. Provide a specific and detailed description of the services that the lobbyist has performed or will be expected to perform and the date(s) of any services rendered. Include all preparatory and related activity not just time spent in actual contact with federal officials. Identify the federal officer(s) or employee(s) contacted or the officer(s) employee(s) or Member(s) of Congress that were contacted.
15. Check whether or not a continuation sheet(s) is attached.
16. The certifying official shall sign and date the form, print his/her name title and telephone number.

Public reporting burden for this collection of information is estimated to average 30-minutes per response, including time for reviewing instruction, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to the Office of Management and Budget, Paperwork Reduction Project (0348-0046), Washington, D.C. 20503.

CITY OF SIMI VALLEY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

DOCUMENTS FOR EXECUTION BY SUCCESSFUL BIDDER

FOR

SANDY FIRE DEBRIS FLOW MITIGATION PROJECT, GT29800001

SPECIFICATION NO. SV 27-16

**PUBLIC WORKS CONTRACT
BETWEEN
THE CITY OF SIMI VALLEY AND
NAME OF CONTRACTOR**

This CONTRACT is entered into this [Click here to enter a date.](#), by and between the CITY OF SIMI VALLEY, a general law city and municipal corporation (“the City”) and name of contractor, type of company and state of origin, e.g., “a California Corporation”(“the Contractor”).

1. WORK.

- A. The Contractor will provide all work required by the Contract Documents (the “Work”). The Contractor agrees to do additional work arising from changes ordered by the City in accordance with the Contract Documents.
- B. The Contractor and the City agree to abide by the terms and conditions contained in the Contract Documents;
- C. The Contractor will furnish all of the labor; supplies and materials; equipment; printing; vehicles; transportation; office space and facilities; all tests, testing and analyses; and all matters whatsoever (except as otherwise expressly specified to be furnished by the City) needed to perform and complete the Work and provide the services required of the Contractor by the Contract Documents.
- D. “Contract Documents” means the Notice Inviting Bids; Instructions to Bidders; Supplementary Instructions to Bidders; Proposal; this Contract; Standard Specifications; Supplementary Conditions; Exhibits; Technical Specifications; List of Drawings; Drawings; Addenda; Notice to Proceed; Change Orders; Notice of Completion; and all other documents identified in the Contract Documents which together form the contract between the City and the Contractor for the Work. The Contract Documents constitute the complete agreement between the City and the Contractor and supersede any previous agreements or understandings.

2. CONTRACT SUM. The City agrees to pay the Contractor a sum not to exceed [type number](#) dollars (\$[numerical](#)) for the Work in the manner set forth in the Contract Documents. The City may adjust this amount as set forth in the Contract Documents.

3. TIME FOR PERFORMANCE.

- A. The Contractor will fully complete the Work within 35 consecutive working days (the “Contract Time.”)
- B. The Contract Time will commence when the City issues a Notice to

Proceed. The Contract Documents will supersede any conflicting provisions included on the notice to proceed issued pursuant to this Contract.

- C. The Contractor may not perform any Work until:
 - i. The Contractor furnishes proof of insurance as required by the Contract Documents; and
 - ii. The City gives the Contractor a written, signed, and numbered purchase order and notice to proceed.
- D. By signing this Contract, the Contractor represents to the City that the Contract Time is reasonable for completion of the Work and that the Contractor will complete the Work within the Contract Time.
- E. Should the Contractor begin the Work before receiving written authorization to proceed, any such Work is at the Contractor's own cost and risk.

4. **DISPUTES.** Disputes arising from this contract will be determined in accordance with the Contract Documents and Public Contracts Code §§ 10240-10240.13.

5. **THIRD PARTY CLAIMS.** In accordance with Public Contracts Code § 9201, the City will promptly inform the Contractor regarding third-party claims against the Contractor, but in no event later than ten (10) business days after the City receives such claims. Such notification will be in writing and forwarded in accordance with the "Notice" section of the Contract Documents. As more specifically detailed in the Contract Documents, the Contractor agrees to indemnify and defend the City against any third-party claim.

6. **TAXPAYER IDENTIFICATION NUMBER.** The Contractor will provide the City with a Taxpayer Identification Number.

7. **PERMITS AND LICENSES.** Unless otherwise provided, the Contractor, at its sole expense, will obtain and maintain during the Contract Time, all necessary permits, licenses, and certificates that may be required in connection with the Work.

8. **OWNERSHIP OF DOCUMENTS.** All documents, data, studies, drawings, maps, models, photographs and reports prepared by the Contractor under the Contract Documents are the City's property. The Contractor may retain copies of said documents and materials as desired, but will deliver all original materials to the City upon the City's written notice.

9. **INDEMNIFICATION.** The Contractor agrees to indemnify, defend, and hold the City harmless as set forth in the Contract Documents. The requirements as to the types and limits of insurance coverage to be maintained by the Contractor as required by the Contract Documents, and any approval of such insurance by the City, are not intended to and will not in any manner limit or qualify the liabilities and obligations otherwise assumed

by the Contractor pursuant to the Contract Documents, including, without limitation, to the provisions concerning indemnification.

10. INDEPENDENT CONTRACTOR. The City and the Contractor agree that the Contractor will act as an independent contractor and will have control of all work and the manner in which it is performed. The Contractor will be free to contract for similar service to be performed for other employers while under contract with the City. The Contractor is not an agent or employee of the City and is not entitled to participate in any pension plan, insurance, bonus or similar benefits the City provides for its employees. Any provision in this Contract that may appear to give the City the right to direct the Contractor as to the details of doing the work or to exercise a measure of control over the work means that the Contractor will follow the direction of the City as to end results of the work only.

11. AUDIT OF RECORDS. The Contractor will maintain full and accurate records with respect to all services and matters covered under this Contract. The City will have free access at all reasonable times to such records, and the right to examine and audit the same and to make transcript therefrom, and to inspect all program data, documents, proceedings and activities. The Contractor will retain such financial and program service records for at least three (3) years after termination or final payment under the Contract Documents.

12. NOTICES. All communications to either party by the other party will be deemed made when received by such party at its respective name and address as follows:

The City

Attention: Click here to enter text.
 City of Simi Valley
 Click here to enter text.
 Click here to enter text.
 Phone
 Email

The Contractor

Attention: Click here to enter text.
 Click here to enter text.
 Click here to enter text.
 Click here to enter text.
 phone
 email

Any such written communications by mail will be conclusively deemed to have been received by the addressee three (3) days after deposit thereof in the United States Mail, postage prepaid and properly addressed as noted above. In all other instances, notices will be deemed given at the time of actual delivery. Changes may be made in the names or addresses of persons to whom notices are to be given by giving notice in the manner prescribed in this paragraph.

13. NO THIRD PARTY BENEFICIARY. This Contract and every provision herein is for the exclusive benefit of the Contractor and the City and not for the benefit of any other party. There will be no incidental or other beneficiaries of any of the Contractor's or the City's obligations under this Contract.

14. INTERPRETATION. This Contract was drafted in, and will be construed in accordance with the laws of the State of California, and exclusive venue for any action involving this Contract will be in Ventura County.

15.EFFECT OF CONFLICT. In the event of any conflict, inconsistency, or incongruity between any provision of the Contract Documents, precedence will be as follows:

- A. This Contract;
- B. The Standard Specifications; and
- C. Precedence of documents as determined in the Standard Specifications.

16.SEVERABILITY. If any portion of the Contract Documents are declared by a court of competent jurisdiction to be invalid or unenforceable, then such portion will be deemed modified to the extent necessary in the opinion of the court to render such portion enforceable and, as so modified, such portion and the balance of this Contract will continue in full force and effect.

17.AUTHORITY/MODIFICATION. The Parties represent and warrant that all necessary action has been taken by the Parties to authorize the undersigned to execute this Contract and to engage in the actions described herein. This Contract may be modified by written amendment. The City's City Manager, or designee, may execute any such amendment on the City's behalf.

18.ELECTRONIC SIGNATURES. This Contract may be executed by the Parties on any number of separate counterparts, and all such counterparts so executed constitute one agreement binding on all the Parties notwithstanding that all the Parties are not signatories to the same counterpart. In accordance with Government Code §16.5, the Parties agree that this Contract, agreements ancillary to this Contract, and related documents to be entered into in connection with this Contract will be considered signed when the signature of a party is delivered by electronic transmission. Such electronic signature will be treated in all respects as having the same effect as an original signature.

19.COVENANTS AND CONDITIONS. The parties agree that all of the provisions hereof will be construed as both covenants and conditions, the same as if the words importing such covenants and conditions had been used in each separate paragraph.

20.CAPTIONS. The captions of the paragraphs of this Contract are for convenience of reference only and will not affect the interpretation of this Contract.

21.TIME IS OF ESSENCE. Time is of the essence for each and every provision of the Contract Documents.

IN WITNESS WHEREOF the parties hereto have executed this contract the day and year first hereinabove written.

Attest:

City of Simi Valley, A Municipal Corporation

Lucy Blanco, City Clerk

By: _____
Samantha C. Argabrite, City Manager
City of Simi Valley, California

Approved as to Form:

INSERT NAME OF COMPANY

Algeria R. Ford, City Attorney

By: _____

Print Name: Click or tap here to enter text.

Approved as to Content:

Title: Click or tap here to enter text.

Johanna Medrano,
Deputy Administrative Services Director/
Budget & Purchasing

By: _____

Print Name: Click or tap here to enter text.

Title: Click or tap here to enter text.

Jay Spurgin
Interim Public Works Director

FAITHFUL PERFORMANCE BOND

Bond No. _____
Bond Fee: _____

_____ (“PRINCIPAL”) and _____, a corporation incorporated under the laws of the State of _____ and licensed by the State of California to execute bonds and undertakings as sole surety, as surety (“SURETY”), are held and firmly bound unto the CITY OF SIMI VALLEY (“CITY”) in the sum of _____ (\$ _____) dollars, lawful money of the United States, which may be increased or decreased by a rider hereto executed in the same manner as this bond, for the payment of which sum PRINCIPAL and SURETY bind themselves, their successors, and assigns, jointly and severally, by this instrument.

PRINCIPAL or SURETY will apply this bond for the faithful performance of any and all of the conditions and stipulations set forth in this bond, **SPECIFICATION NO. SV 27-16**, and the public works contract executed with such Specifications. In the case of any default in the performance of the conditions and stipulations of this undertaking, it is agreed that PRINCIPAL or SURETY will apply the bond or any portion thereof, to the satisfaction of any damages, reclamation, assessments, penalties, or deficiencies arising by reason of such default.

BOND CONDITIONS

1. PRINCIPAL will construct the public improvements identified in **SPECIFICATION NO. SV 27-16**, a copy of which is on file with CITY’s Engineering Division (“Public Project”). Such performance will be in accordance with CITY’s plans and profiles which are made a part of this bond when said plans and profiles are approved by the City Manager and filed with CITY’s Engineering Division. CITY has estimated the required amount of the bond as shown above.

2. PRINCIPAL’s work on the Public Project will be done in accordance with CITY’s plans and specifications and with any permit issued by CITY. Should PRINCIPAL fail to complete all required work within the time allowed, CITY may, at its sole discretion, cause all required work to be done and the parties executing the bond will be firmly bound for the payment of all necessary costs therefor.

3. PRINCIPAL will guarantee its work against any defective work, labor, or materials on the Public Project for a period of one (1) year following the Public Project’s completion and acceptance by CITY.

4. This bond is conditioned upon and guarantees due compliance with all applicable law including, without limitation, the Simi Valley Municipal Code (“SVMC”).

5. SURETY, for value received, agrees that no changes, extensions of time, alteration or modification of **SPECIFICATION NO. SV 27-16** or of the obligation to be performed will in any way affect its obligation on this bond, and it waives notice of any such change, extension of time, alteration or modification of the contract documents or of the obligation to be performed.

6. This bond consists of this instrument; the plans and specifications identified above; and the following two (2) attached exhibits all of which are incorporated herein by reference:

- A. A certified copy of the appointment, power of attorney, bylaws or other instrument entitling or authorizing the persons executing this bond to do so;
- B. A certificate issued by the county clerk for the county in which SURETY's representative is located conforming with California Code of Civil Procedure § 995.640 and stating that SURETY's certificate of authority has not been surrendered, revoked, cancelled, annulled, or suspended, or in the event that it has, that renewed authority has been granted; and

7. Should PRINCIPAL perform its obligations within the time allowed, PRINCIPAL's obligation will be void upon the acceptance of the performance by CITY; otherwise this obligation will remain in full force and effect.

SIGNED AND SEALED this _____ day of _____, 20__.

PRINCIPAL's PRESIDENT

SURETY's PRESIDENT

PRINCIPAL's SECRETARY

SURETY's SECRETARY

PRINCIPAL's MAILING ADDRESS:

SURETY's MAILING ADDRESS:

NOTE: ALL signatures must be acknowledged by a notary public. Return one (1) original to City Clerk's Office.

LABOR AND MATERIALS BOND

Bond No. _____
 Bond Fee: _____

_____, as principal ("PRINCIPAL") and _____, a corporation incorporated under the laws of the State of _____ and licensed by the State of California to execute bonds and undertakings as sole surety, as surety ("SURETY"), are held and firmly bound unto the CITY OF SIMI VALLEY ("CITY") in the sum of _____ (\$ _____) dollars, lawful money of the United States, which may be increased or decreased by a rider hereto executed in the same manner as this bond, for the payment of which sum PRINCIPAL and SURETY bind themselves, their successors, and assigns, jointly and severally, by this instrument.

This bond is conditioned upon and guarantees payment by PRINCIPAL to contractors, subcontractors, and persons renting equipment; payment by PRINCIPAL and all PRINCIPAL'S subcontractors for all materials, provisions, provender, or other supplies, and equipment used in, upon, for or about the performance of the work contemplated in SANDY FIRE DEBRIS FLOW MITIGATION PROJECT, GT29800001 ("Public Project"), the public works contract executed for such Public Project, and for all work or labor of any kind performed for the Public Project. In the case of any default in the performance of the conditions and stipulations of this undertaking, it is agreed that PRINCIPAL or SURETY will apply the bond or any portion thereof, to the satisfaction of any damages, reclamation, assessments, penalties, or deficiencies arising by reason of such default.

BOND CONDITIONS

1. PRINCIPAL will construct the public improvements identified in **SPECIFICATION NO. SV 27-16**, and the public works contract executed for such Specifications, copies of which is on file with CITY's Engineering Division ("Public Project"). Such performance will be in accordance with CITY's plans and profiles which are made a part of this bond when said plans and profiles are approved by the City Manager and filed with CITY's Engineering Division.

2. PRINCIPAL will pay all contractors, subcontractors, and persons renting equipment.

3. PRINCIPAL will pay for all materials and other supplies, for equipment used in, on, for or about the performance of the Public Project, and will pay for all work and labor thereon.

4. This bond is conditioned upon and guarantees due compliance with all applicable law including, without limitation, the Simi Valley Municipal Code ("SVMC").

5. SURETY, for value received, agrees that no changes, extensions of time, alteration or modification of **SPECIFICATION NO. SV 27-16**, or of the obligation to be performed will in any way affect its obligation on this bond, and it waives notice of any

such change, extension of time, alteration or modification of the contract documents or of the obligation to be performed.

6. This bond consists of this instrument; the plans and specifications identified above; and the following TWO (2) attached exhibits all of which are incorporated herein by reference:

- A. A certified copy of the appointment, power of attorney, bylaws or other instrument entitling or authorizing the persons executing this bond to do so; and
- B. A certificate issued by the county clerk for the county in which SURETY's representative is located conforming with California Code of Civil Procedure § 995.640 and stating that SURETY's certificate of authority has not been surrendered, revoked, cancelled, annulled, or suspended, or in the event that it has, that renewed authority has been granted.

7. Should PRINCIPAL perform its obligations within the time allowed, PRINCIPAL's obligation will be void upon the acceptance of the performance by CITY; otherwise this obligation will remain in full force and effect.

SIGNED AND SEALED this _____ day of _____, 20__.

PRINCIPAL's PRESIDENT

SURETY's PRESIDENT

PRINCIPAL's SECRETARY

SURETY's SECRETARY

PRINCIPAL's MAILING ADDRESS:

SURETY's MAILING ADDRESS:

NOTE: ALL signatures must be acknowledged by a notary public. Return one (1) original to City Clerk's Office.

CITY OF SIMI VALLEY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
STANDARD SPECIFICATIONS
FOR
SANDY FIRE DEBRIS FLOW MITIGATION PROJECT, GT29800001

SPECIFICATION NO. SV 27-16

CITY OF SIMI VALLEY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
STANDARD SPECIFICATIONS

Except as modified by these Standard Specifications, the provisions of the latest edition of the “Standard Specifications for Public Works Construction” (“Greenbook”) and its supplements prepared and promulgated by the Southern California Chapters of the American Public Works Association and the Associated General Contractors of America, constitute the Standard Specifications for this project. **THESE STANDARD SPECIFICATIONS ARE INTENDED TO, AND DO, TAKE PRECEDENCE OVER ANY CONFLICTING PROVISION OF THE GREENBOOK.**

1. NUMBERING OF SECTIONS

The numbering of these Standard Specifications is NOT intended to conform with the Greenbook. Rather, the numbering is specific for these Standard Specifications. As noted at the outset, however, the provisions contained within these Standard Specifications supersede any conflicting clauses within the Greenbook and govern the contractual relationship between the Parties.

2. MODIFICATIONS

To the extent that the provisions of the Contract Documents conflict with the Green Book, the Contract Documents take precedence.

3. DEFINITIONS

Unless the contrary is stated or clearly appears from the context, the following definitions will govern the construction of the words and phrases used in these Standard Specifications.

Acceptance – The date on which the City Manager accepts the Work as complete.

Architect, Design Engineers, Soils Engineer, Structural Engineers – Advisors employed by City.

Bidder – Any individual, firm, partnership, corporation, or combination thereof, submitting a proposal for the work contemplated, acting directly or through a duly authorized representative.

Compensable Delay – a delay entitling Contractor to an adjustment of the Contract Sum and an adjustment of the Contract Time in accordance with this Agreement.

Due Notice – A written notification, given in due time, of a proposed action where such notification is required by the contract to be given a specified interval of time (usually 48 hours or two working days) before the commencement of the contemplated action. Notification may be from Public Works Director to Contractor or from Contractor to Public Works Director.

Public Works Director – The City Public Works Director, or designee, as defined in the Greenbook. Unless otherwise provided, all correspondence and decisions made relative to the contract will be by the Public Works Director or designee.

PCC – California Public Contract Code.

Prompt – The briefest interval of time required for a considered reply, including time required for approval of a governing body.

☐ (Check if applicable) **State Standard Specifications (SSS)** - State of California Standard Specifications (<https://dot.ca.gov/programs/design/ccs-standard-plans-and-standard-specifications>).

Working Days – A working day is defined as any day, except Saturdays, Sundays, legal holidays and days when work is suspended by the Public Works Director.

4. ABBREVIATIONS

AAN	American Association of Nurserymen
AGC	Associated General Contractors of America
AISC	American Institute of Steel Construction
APWA	American Public Works Association
ASA	American Standard Association
ASME	American Society of Mechanical Engineers
IEEE	Institute of Electric and Electronic Engineers
NEC	National Electric Code
Greenbook	The most current edition of the Standard Specifications for Public Works Construction, and subsequent supplements prepared by Public Works Standards, Inc.
WATCH	Work Area Traffic Control Handbook
SPPWC	Standard Plans for Public Works Construction by the American Public Works Association
SSPWC	Standard Specifications for Public Works Construction by the American Public Works Association

5. ACCESS TO PROJECT SITE

Not later than the date designated in the Notice to Proceed, City will provide access to the real property and facilities upon which the Work is to be performed, including access to real property and facilities designated in the Contract Documents for Contractor's use.

6. SUBCONTRACTOR LISTING

Except as provided in PCC §§ 4100, *et seq.*, each bidder will file with its bid the name and location of the place of business of each subcontractor who will perform work or labor or render service to the prime contractor in or about the construction of the work or improvement, or a subcontractor licensed by the State of California who, under subcontract to the prime contractor, specifically fabricates and installs a portion of the work or improvement according to detailed drawings contained in the plans and specifications, in an amount in excess of one-half of one percent of the prime contractor's total bid. Only one subcontractor will be listed for each portion of the work, which portion will be defined in the bid. In each instance, the nature and extent of the work to be sublet will be described. The failure of Contractor to specify a subcontractor, or the listing of more than one subcontractor for the same portion of the work, constitutes an agreement by Contractor that it is fully qualified to perform that portion itself and that it will perform that portion itself.

Contractor must have the City Manager's written consent to substitute a subcontractor other than that designated in the original bid, to permit any subcontract to be assigned or transferred, or to allow a subcontract to be performed by other than the original subcontractor.

Subcontracting of work for which no subcontractor was designated in the original bid, and which is more than one-half of one percent of the work, will be allowed only in cases of public emergency or necessity, and then only after a finding reduced to writing as a public record of the City Manager setting forth the facts constituting the emergency or necessity.

Violation of any of the above provisions will be considered a breach of the Contract, and City may terminate Contractor's control over the Work, cancel the contract, or assess Contractor a penalty of not more than 10 percent of the subcontract involved.

All persons engaged in the work, including subcontractors and their employees will be considered as employees of Contractor. Contractor will be solely responsible for and have control over construction means, methods, techniques, sequences, procedures, and the coordination of all portions of the Work. City will deal directly with, and make all payments to, the prime Contractor.

When subcontracted work is not being prosecuted in a satisfactory manner, Contractor will be notified to take corrective action. The Public Works Director may report the facts to the City Manager. If the City Manager so orders, and on receipt by Contractor of written instructions from the Public Works Director, the subcontractor will be removed immediately from the Work. That subcontractor will not again be employed on the Work.

If licensure or proper licensure is controverted, then proof of licensure pursuant to this section must be made by production of a verified certificate of licensure from Contractors' State License Board which establishes that the individual or entity bringing the action was duly licensed in the proper classification of contractors at all times during the

performance of any act or contract covered by the action. Nothing in this subdivision requires any person or entity controverting licensure or proper licensure to produce a verified certificate. When licensure or proper licensure is controverted, the burden of proof to establish licensure or proper licensure is on the licensee.

Contractor will submit experience statements for each subcontractor who will perform contract work that amounts to more than 10% of the Work.

7. CONTRACT BONDS

The Faithful Performance Bond and the Labor and Materials Bond must be paid and in effect for one year after the acceptance of the job by City in accordance with the guarantee required by the Greenbook.

The term "surety bond," "guarantee," and "bond" also includes such other acceptable security, such as letters of credit or cash deposit agreements issued by responsible financial institutions, which are approved by the City Attorney. Sureties must be admitted to do business in California.

8. CONTRACT DOCUMENTS

Contractor will maintain the following at the Work site:

- One as-built copy of the Plans and Specifications, in good order and marked to record current changes and selections made during construction. As-built plans must be submitted to City representative for approval before City pays a final retention amount.
- The current accepted Contract Schedule.
- Shop Drawings, Product Data, and Samples.
- Approved permits from other agencies, including Cal-OSHA permits for trench shoring.
- All other required submittals.

The Plans, Specifications, and other Contract Documents will govern the Work. The Contract Documents are intended to be complementary and cooperative and to describe and provide for a complete project. Anything in the Specifications and not on the Plans, or on the Plans and not in the Specifications, will be as though shown or mentioned in both.

Payment for any items on the plans for which there is no specific bid item will be included in the various items of work or in any item to which it is appurtenant.

If Contractor performs any work which it knows or should know involves an error, inconsistency, or omission without notifying and obtaining written consent from the Public Works Director, Contractor will be responsible for the resulting losses, including, without limitation, the costs of correcting defective work.

9. PRECEDENCE OF CONTRACT DOCUMENTS

As the figured dimensions shown on the plans and in the specifications of the Contract may not in every case agree with scaled dimensions, the figured dimensions will be followed in preference to the scaled dimensions and plans to a large scale will be followed in preference to the plans to a small scale. Should it appear that the work to be done, or any of the matters relative thereto, are not sufficiently detailed or explained in the Contract, Contractor will apply to the Public Works Director for such further explanations as may be necessary and will conform thereto as part of the Contract so far as may be consistent with the terms thereof. Any items shown on drawings and not mentioned in the specifications will be of like effect as if shown or mentioned in both.

10. ACCURACY OF PLANS AND SPECIFICATIONS

Although it is believed that much of the information pertaining to conditions and existing utilities that may affect the cost of the Work will be shown on the Plans or indicated in the Specifications, City does not warrant the completeness or accuracy of such information.

Contractor will carefully study and compare each of the Contract Documents with the others and with information furnished by City and will promptly report in writing to the Public Works Director any errors, inconsistencies, or omissions in the Contract Documents or inconsistencies with applicable law observed by Contractor.

Contractor will take field measurements, verify field conditions, perform soil investigations, and carefully compare with the Contract Documents such field measurements, conditions, and other information known to Contractor before commencing the Work. Errors, inconsistencies, or omissions discovered at any time will be promptly reported in writing to the Public Works Director.

11. RIGHT-OF-WAY

When Contractor arranges for additional temporary work areas and facilities, Contractor will provide City with proof that the additional work areas or facilities were left in a condition satisfactory to the owner(s) of said work areas or facilities before acceptance of the work.

12. SURVEYING

Contractor will provide for all construction surveying required to layout, monitor and complete the work. The surveying will be performed by a Land Surveyor or Civil Engineer authorized to practice land surveying by the State of California.

The Project Benchmark is shown on the plans. Contractor will establish all necessary control lines based on the plans and record information on file with the County of Ventura Surveyor and the Public Works Director.

It is Contractor's responsibility to protect the survey control as shown on the plans. If the survey control is destroyed or disturbed during construction, Contractor will provide for resetting them and file appropriate documents with the County of Ventura at the direction of the Public Works Director.

Computations, survey notes, and other data used to accomplish the work will be neat, legible and accurate. Copies of all computations, survey notes, and other data (electronic format may be required) will be furnished to the Public Works Director before beginning work that requires their use.

13. MEASUREMENT AND PAYMENT

Construction Survey – Unless a separate bid item is provided, payment will be considered included in the other items of the bid and no additional payment will be made therefore.

14. BASIS FOR ESTABLISHING COSTS

Regardless of ownership, the rates to be used in determining the equipment usage costs will not exceed those listed for the same or similar equipment in the California State Department of Transportation publication of Labor Surcharge and Equipment Rates effective for the period of usage.

15. MARK UP

Work by Contractor. The following percentages will be added to Contractor's costs and will constitute the markup for all overhead and profits.

Labor	20
Materials	15
Equipment Rental	15
Other Items and Expenditures.....	15

To the sum of the costs and markups provided for in this subsection, 1 percent will be added as compensation for bonding. No other formula, e.g., the Eichleay or other method, may be used to calculate daily damages for office overhead, profit, or other purported loss.

Work by Subcontractors. When all or any part of the extra work is performed by a Subcontractor, the markup established in this Section will be applied to the Subcontractor's actual cost of such work. A markup of 10 percent on the first \$5,000 of the subcontracted portion of the extra work and a markup of five percent on work added

exceeding \$5,000 of the subcontracted portion of the extra work may be added by Contractor.

16. DAILY REPORTS BY CONTRACTOR

If disagreement continues regarding extra work, Contractor may seek compensation in accordance with the Claims procedure. Daily Reports required by this subsection must be made part of the Claim as supporting data for the Claim.

17. CHANGED CONDITIONS

If Contractor encounters concealed or unknown conditions that differ materially from those anticipated or expected ("changed conditions"), Contractor will immediately notify the Public Works Director in writing of such changed conditions (upon discovery and before disturbing such changed conditions), so that the Public Works Director can determine if such conditions require design details that differ from those design details shown in the Contract Documents. Notwithstanding any other time period, Contractor is liable to City for any extra costs incurred as a result of Contractor's failure to promptly give such notice.

Changed conditions include, without limitation, the following:

- Subsurface or latent physical conditions differing materially from those represented in the Contract Documents;
- Unknown physical conditions of an unusual nature differing materially from those ordinarily encountered and generally recognized as inherent in work of the character being performed; and
- Material differing from what is represented in the Contract which Contractor believes may be hazardous waste as defined in California Health & Safety Code § 25117 that is required to be removed to a Class I, II, or III disposal site in accordance with applicable law.

The Public Works Director will promptly investigate conditions that appear to be changed conditions. The Public Works Director's decision, and any dispute regarding that decision, will be made in accordance with the Greenbook except that the Public Works Director will render a decision promptly.

Any information provided pursuant to INFORMATION AVAILABLE TO BIDDERS is subject to the following provisions:

- Information is made available for the Bidders' convenience and is not a part of the Contract.

- City has not determined the accuracy or completeness of such information and all such information is made available to Bidders without any representation or warranty by City whatsoever as to its accuracy, completeness, or relevancy.
- Bidders will independently evaluate such information for their use and will be solely responsible for use or interpretation of such information. Any such use or interpretation will not be the basis of any claim against City.

18. PERMITS

If the work is proposed within State of California Department of Transportation right-of-way, City will obtain an Encroachment Permit. However, after contract award, Contractor must obtain and pay for an Encroachment Permit Rider at the State of California Department of Transportation, Permit Section, 100 S. Main Street, Los Angeles, CA 90012. Contractor must show evidence of possessing bonding that meets the requirements of the State of California Department of Transportation. Such bonding costs must be at Contractor's expense.

When work occurs in the right-of-way of other entities, Contractor must obtain and pay, as required, for an encroachment permit from that entity, and may not charge City an administrative fee for obtaining such permits.

19. DISPUTED WORK

If Contractor and City do not reach agreement on disputed work, City may direct Contractor to proceed with the work. Any payment for the disputed work will be determined pursuant to the claims procedures in these Standard Specifications. Although not to be construed as proceeding under extra work provisions, Contractor will keep and furnish records of disputed work as required by the Contract Documents.

20. INSPECTION REQUIREMENTS

Unless otherwise specified, inspection at the source of production for such materials and fabricated items as bituminous paving mixtures, structural concrete, fabricated metal products, cast metal products, welding, reinforced and unreinforced concrete pipe, application of protective coatings, and similar shop and plant operations is not required. A certificate of compliance, signed by an authorized officer of the producer, certifying compliance with the contract documents will be submitted for all of the following materials: steel pipe, sizes less than 18 inches; vitrified clay pipe; asbestos cement pipe; cast iron pipe; reinforced concrete pipe; non-reinforced concrete pipe; and PVC sewer and water pipe; subject to sampling and testing by City.

Standard items of equipment, such as electric motors, conveyors, plumbing fittings and fixtures, lumber, plywood, and so on, are subject to inspection at the job site.

All other equipment items will be inspected and tested in accordance with the contract documents.

City does not provide full time inspection. Contractor will provide 24-hour minimum notice for each inspection required by the work unless other arrangements have been agreed upon, in writing, with the Public Works Director. Any inspection required outside of normal working hours and days, including holidays, will be at Contractor's cost at rates established by City.

21. INSPECTION OF MATERIALS NOT PRODUCED LOCALLY

Contractor purchased materials, fabricated items, and equipment, produced at sources located more than 50 miles outside the corporate limits of City, and which are specified to be inspected in the Contract Documents, will be inspected by inspectors or testing laboratories arranged for and paid for by City. Report of such inspection must be submitted to City. If any item inspected fails to meet the specified criteria, Contractor will pay all costs for reinspection, and such costs may be deducted from payments due to Contractor.

22. TRADE NAMES OR EQUALS

Whenever any material, product, equipment, or service is specified by brand, trade, or proprietary name, the item so specified will be deemed to be followed by the words "or equal."

For City's consideration of a proposed "equal" item, the Bidder must submit, a minimum of 10 calendar days before the date of the bid opening, documentation of the particulars of the proposed "equal item." At a minimum, the submitted documentation will include:

- Written request with explanation of why the product should be considered as an equal product.
- Material specifications.
- Technical specifications.
- Test data.
- Samples.
- Comparison chart of key specifications of the "equal" item against similar specifications of the specified item.
- Work locations and reference telephone numbers of at least three (3) locations where the proposed "equal" item has been recently installed under similar conditions.
- Warranty data.

The Bidder will be notified by the Public Works Director whether or not the proposed "equal" product is acceptable to City five calendar days before the date of the bid opening. Failure to submit all required documentation and/or submittal of incomplete documents may result in City's rejection of the proposed "equal" product without further consideration.

23. PROTECTION

If Contractor, while performing the Work, discovers utility facilities not identified correctly or not shown in the contract plans or specifications by City, Contractor will immediately notify City and utility owner in writing.

24. RESPONSIBILITY OF UTILITY REMOVAL OR RELOCATION

City is responsible to arrange for the removal, repair, or relocation of existing utilities located within the project limits if such utilities are not correctly identified in the contract plans or specifications by City. City has sole discretion to perform repairs or relocation work or permit Contractor to do such repairs or relocation.

25. DELAYS

Actual loss is understood to include no items of expense other than idle time of equipment and necessary payments for idle time of workers, cost of extra moving of equipment, and cost of longer hauls. Compensation for idle time of equipment and idle time of workers will be determined by these Standard Specifications and no markup will be added in either case for overhead and profit. The cost of extra moving of equipment and the cost of longer hauls will be paid for as extra work.

26. CALCULATING IDLE TIME

Equipment and worker idle time is calculated in accordance with these Standard Specifications and the Greenbook; it is based upon the actual normal working time during which the delay condition exists, but in no case will exceed eight hours in any one day. The days for which compensation will be paid will be the calendar days, excluding Saturdays, Sundays and legal holidays, during the existence of the delay.

27. CONSTRUCTION SCHEDULE AND COMMENCEMENT OF WORK

A. Pre-Construction Meeting:

After contract award, City will arrange for a pre-construction meeting to discuss the construction of the project. City will invite utility agencies and Contractor will arrange for all of its sub-contractors to attend the meeting.

B. Contract Schedule

After notification of award and before starting any work, Contractor will submit a Contract Schedule to the Public Works Director for review, as required by these Standard Specifications within 1 calendar days of award.

C. Contract Schedule Content

The Contract Schedule, and any updated Contract Schedule, will meet the following requirements:

- Schedules must be suitable for monitoring progress of the Work.
- Schedules must provide necessary data about the time for the Public Works Director's decisions.
- Schedules must be sufficiently detailed to demonstrate adequate planning for the Work.
- Schedules must represent a practical plan to complete the Work within the Contract Time.
- Schedules must show the critical path method for completing the Work.

The Public Works Director's review of the form and general content of the Contract Schedule and any updated Contract Schedules is only for the purpose of determining if the listed requirements are satisfied, nothing more.

D. Effect of Contract Schedule

The Contract Schedule, and any updated Contract Schedules, will represent a practical plan to complete the Work within the Contract Time. Extension of any schedule beyond the Contract Time will not be acceptable. Schedules showing the Work completed in less than the Contract may be acceptable if judged by the Public Works Director to be practical. Acceptance of such a schedule by the Public Works Director will not change the Contract Time. The Contract Time, not the Contract Schedule, will control in determining liquidated damages payable by Contractor and in determining any delay.

If a schedule showing the Work completed in less than the Contract Time is accepted, Contractor will not be entitled to extensions of the Contract Time for Excusable Delays or Compensable Delays or to adjustments of the Contract Sum for Compensable Delays until such delays extend the completion of the Work beyond the expiration of the Contract Time.

Contractor will plan, develop, supervise, control, and coordinate the performance of the Work so that its progress and the sequence and timing of Work activities conform to the current accepted Contract Schedule. Contractor will continuously obtain from Subcontractors information and data about the planning for and progress of the Work and the delivery of equipment, will coordinate and integrate such information and data into updated Contract Schedules, and will monitor the progress of the Work and the delivery of equipment. Contractor will act as the expeditor of potential and actual delays, interruptions, hindrances, or disruptions for its own forces and those forces of Subcontractors. Contractor will cooperate with the Public Works Director in developing the Contract Schedule and updated Contract Schedules.

The Public Works Director's review and comments about any schedule or scheduling data will not relieve Contractor from its sole responsibility to plan for, perform, and complete the Work within the Contract Time. Review and comments about any schedule will not transfer responsibility for any schedule to the Public Works Director or City nor imply their agreement with (1) any assumption upon which such schedule is based or (2) any matter underlying or contained in such schedule.

The Public Works Director's failure to discover errors or omissions in schedules that have been reviewed, or to inform Contractor that Contractor, Subcontractors, or others are behind schedule, or to direct or enforce procedures for complying with the Contract Schedule will not relieve Contractor from its sole responsibility to perform and complete the Work within the Contract Time and will not be a cause for an adjustment of the Contract Time or the Contract Sum.

Contractor will perform the Work in accordance with the currently accepted Contract Schedule.

E. Commencement of Contract Time

The Contract Time will commence when City issues a Notice to Proceed. The Work will start on the date specified in the Notice to Proceed and within a maximum of 15 calendar days after the date of the Notice to Proceed and be diligently prosecuted to completion with the time provided in the Specifications.

28. DEFAULT BY CONTRACTOR

A. General

Should Contractor fail to begin delivery of material and equipment, to commence the Work within the time specified, to maintain the rate of delivery of material, to execute the Work in the manner and at such locations as specified, or fail to maintain the Work schedule (as determined by the current accepted Contract Schedule) which will ensure City's interest, or if Contractor is not carrying out the intent of the Contract, City may serve written notice upon Contractor and the Surety on its Faithful Performance Bond demanding satisfactory compliance with the Contract.

B. Termination of Contractor's Control Over the Work

City may terminate Contractor's control over the Work without liability for damages when, in City's opinion, Contractor is not complying in good faith, has become insolvent, or has assigned or subcontracted any part of the Work without City's consent. Should such termination occur, Contractor will be paid the actual amount due based on Contract Unit Prices or lump sums bid and the quantity and quality of the Work completed at the time of termination, less damages caused to City by Contractor's action or inaction.

In the event of such termination of control, City may do any one, or combination of, the following:

- Serve written notice upon the Surety on its Faithful Performance Bond demanding satisfactory compliance with the Contract. In such event the Surety will, within five days, assume control and perform the Work as successor to Contractor;
- City may perform the Work itself and deduct the cost thereof from any payment due to Contractor;

- City may replace Contractor with a different contractor to complete the work and deduct the cost thereof from any payment due to Contractor.

Nothing herein will waive, or serve as a limitation upon, any additional remedy City may have under these Contract Documents or applicable law.

C. Surety's Assumption of Control

Should the Surety assume any part of the Work, it will take Contractor's place in all respects for that part and will be paid by City for all work performed by it in accordance with the Contract. If the Surety assumes the entire Contract, all money due Contractor at the time of its default will be payable to the Surety as the Work progresses, subject to the terms of the Contract.

If the Surety does not assume control and perform the Work within five days after receiving notice of cancellation, or fails to continue to comply, City may exclude the Surety from the premises. City may then take possession of all material and equipment and complete the Work by City's forces, by letting the unfinished work to another contractor, or by a combination of such methods. In any event, the cost of completing the Work will be charged against Contractor and its Surety and may be deducted from any money due or becoming due from City. If the sums due under the Contract are insufficient for completion, Contractor or Surety will pay to City within five days of completion, all costs in excess of the sums due.

The provisions of this subsection will be in addition to all other rights and remedies available to City under applicable law.

29. DELAYS AND EXTENSIONS OF TIME

A. General

If delays are caused by unforeseen events beyond the control of Contractor, such delays will entitle Contractor to an extension of time as provided herein, but Contractor will not be entitled to damages or additional payment due to such delays except as otherwise provided herein. Excusable delay may include war, earthquakes exceeding 3.5 on the Richter Scale, government regulation, labor disputes outside the contemplation of the parties, strikes outside the contemplation of the parties, fires, floods, changes to the Work as identified herein, or other specific events that may be further described in the Specifications.

Delays to the project caused by labor disputes or strikes involving trades not directly related to the project, or involving trades not affecting the project as a whole will not warrant an extension of time.

City will not grant an extension of time for a delay by Contractor's inability to obtain materials unless Contractor furnishes to the Public Works Director documentary proof.

The proof must be provided in a timely manner in accordance with the sequence of Contractor's operations and accepted construction schedule.

Should delays be caused by events other than those included herein, the Public Works Director may, but is not required to, deem an extension of time to be in City's best interests.

B. Extensions of Time

If granted, extensions of time will be based upon the effect of delays to the critical path of the Work as determined by the current accepted Contract Schedule. Delays to minor portions of the Work that do not affect the critical path will not be eligible for extensions of time.

C. Payment for Delays to Contractor

Any payment for compensable delay will be based upon actual costs excluding, without limitation, what damages, if any, Contractor may have reasonably avoided. Contractor understands that this is the sole basis for recovering delay damages and explicitly waives any right to calculate daily damages for office overhead, profit, or other purported loss, using different formulas including, without limitation, the Eichleay Formula.

D. Written Notice and Report

If Contractor desires payment for a delay or an extension of time, it will give the Public Works Director written notice of such request not later than the time limit set forth in the Proposal for submitting a claim after the event or occurrence giving rise to a delay claim. Failure to submit a written request within such amount of time will result in Contractor waiving its delay claim.

Any claim for payment or an extension of time must be in the form required by the "Claims" sections of these Standard Specifications.

In no event will City grant Contractor an extension of time if the delay is within the Contract Time as identified by the Contract Documents.

30. WORKDAYS AND WORKING HOURS

- A. Except for work at signalized intersections, and as noted elsewhere in these Standard Specifications and Section 5000, "Special Conditions", of the Special Provisions, construction working hours are limited to the hours between 7:00 a.m. and 3:30 p.m. Monday through Friday, unless otherwise approved by the City Engineer in writing.
- B. Working hours in the vicinity of schools are limited to the hours between 9:00 a.m. and 2:00 p.m., unless otherwise specified in these Standard Specifications.

- C. Lane closures within 200 feet of a signalized intersection are limited to the hours between 9:00 a.m. and 3:00 p.m., except as otherwise indicated in Section 5002, "Traffic Control, Construction Signing and Traffic Maintenance," of the Special Provisions.
- D. Any overtime for construction survey, geotechnical/testing services, and inspection by City staff, outside of 9:00 p.m. to 6:00 a.m. for night work areas and 7:00 a.m. to 3:30 p.m. for day time work areas, Monday through Friday, and any work on Saturdays, Sundays and Holidays, is the responsibility of the Contractor, and such costs will be deducted from the progress payments to the Contractor. The Contractor must provide at least 48-hour notification for all his/her overtime work requests.
- E. The following days are recognized as holidays by the City:
 - 1. January 1st (New Year's Day)
 - 2. 3rd Monday in January (Martin Luther King, Jr. Day)
 - 3. 3rd Monday in February (President's Day)
 - 4. Last Monday in May (Memorial Day)
 - 5. July 4th (Independence Day)
 - 6. 1st Monday in September (Labor Day)
 - 7. November 11th (Veteran's Day)
 - 8. 4th Thursday in November (Thanksgiving Day)
 - 9. 4th Friday in November (Day after Thanksgiving)
 - 10. December 24th (Christmas Eve)
 - 11. December 25th (Christmas Day)
- F. When any of the above listed holidays falls on Sunday, the holiday may be observed on the following Monday. Whenever any holiday falls on a Saturday, the holiday may be observed on the preceding Friday. A calendar of City holidays is included in the Appendices.

31. COMPLETION AND ACCEPTANCE

The Work will be inspected by the Public Works Director for acceptance upon the Public Works Director receiving Contractor's written assertion that the Work is complete.

If, in the Public Works Director's judgment, the Work is complete and is ready for acceptance, the Public Works Director will accept the Work on behalf of City in the manner prescribed by City. Once a Notice of Completion is issued, Contractor is relieved from responsibility to protect the Work.

All work will be guaranteed by Contractor against defective workmanship and materials furnished by Contractor for a minimum period of one year from the date the Work was completed. Contractor will replace or repair any such defective work in a manner satisfactory to the Public Works Director, after notice to do so from the Public Works Director, and within the time specified in the notice. If Contractor fails to make such

replacement or repairs within the time specified in the notice, City may perform this work and Contractor's sureties will be liable for the cost thereof.

32. LIQUIDATED DAMAGES

If all the Work is not completed before or upon the expiration of the Contract Time, City will sustain damage. Since it is and will be impracticable to determine the actual damage which City will sustain in the event of and by reason of such delay, it is agreed that Contractor will pay to City the sum specified in the Proposal for each and every calendar day beyond the time prescribed to complete the work not as a penalty, but as a predetermined liquidated damage. Contractor agrees to pay such liquidated damages as are herein provided, and in case the same are not paid, agrees that City may deduct the amount thereof from any money due or that may become due to Contractor under the contract.

Unless otherwise specified, liquidated damages will be \$500 per calendar day.

33. DISPUTES AND CLAIMS; PROCEDURE

A. General

Consistent with PCC §§ 9204 and 10240.6, "Claim" means a written demand or assertion by Contractor that seeks an adjustment or interpretation of the terms of the Contract Documents, payment of money, extension of time, or other relief with respect to the Contract Documents, including a determination of disputes or matters in question between City and Contractor arising out of or related to the Contract Documents or the performance of the Work, and claims alleging an unforeseen condition or an act, error, or omission by City, the Public Works Director, their agents or employees. "Claim" does not mean, and the Claims procedures herein do not apply, to the following:

- Claims respecting penalties for forfeitures prescribed by statute or regulations, which a government agency is specifically authorized to administer, settle, or determine.
- Claims respecting personal injury, death, reimbursement, or other compensation arising out of or resulting from liability for personal injury or death.
- Claims respecting a latent defect, breach of warranty, or guarantee to repair.
- Claims respecting stop notices.

If a Claim is subject to the Change Order procedures, the Claim arises upon the issuance of a written final decision denying in whole or in part Contractor's Change Order Request. If a Claim is not subject to the Change Order Procedures, the Claim arises when Contractor discovers, or reasonably should discover, the condition or event giving rise to the Claim. The requirements of this Section are intended to supplement and implement PCC § 9204, a copy of which is attached for reference. Accordingly, pursuant to PCC § 9204(f), the parties agree to utilize these Standard Specifications.

B. Form

A Claim must include the following:

- A statement that it is a Claim and a request for a decision.
- A detailed description of the act, error, omission, unforeseen condition, event or other condition giving rise to the Claim.
- If the Claim is subject to the Change Order procedures, a statement demonstrating that a Change Order Request was timely submitted and denied.
- A detailed justification for any remedy or relief sought by the Claim, including to the extent applicable, the following:
 - If the Claim involves extra work, a detailed cost breakdown claimed. The breakdown must be provided even if the costs claimed have not been incurred when the Claim is submitted.
 - To the extent costs have been incurred when the Claim is submitted, the Claim must include actual cost records (including, without limitation, payroll records, material and rental invoices) demonstrating that costs claimed have actually been incurred.
 - To the extent costs have not yet been incurred at the time the Claim is submitted, actual cost records must be submitted on a current basis not less than once a week during any time period costs are incurred. A cost record will be considered current if submitted within seven calendar days of the date the cost reflected in the record is incurred. At the Public Works Director's request, claimed extra costs may be subject to further verification procedures (such as having an inspector verify the performance of alleged extra work on a daily basis).
- If the Claim involves an error or omission in the Contract Documents:
 - An affirmative representation that the error or omission was not discovered before submitting a bid for the Contract; and
 - A detailed statement demonstrating that the error or omission reasonably should not have been discovered by Contractor, its Subcontractors and suppliers, before submitting a bid for the Contract.
- If the Claim involves an extension of the Contract Time, written documentation demonstrating Contractor's entitlement to a time extension.
- If the Claim involves an adjustment of the Contract Sum for delay, written documentation demonstrating Contractor's entitlement to such an adjustment.

- A personal certification from Contractor that reads as follows:

"I, _____, BEING THE _____ (MUST BE AN OFFICER) OF _____ (CONTRACTOR NAME), DECLARE UNDER PENALTY OF PERJURY UNDER CALIFORNIA LAW, AND DO PERSONALLY CERTIFY AND ATTEST THAT I HAVE THOROUGHLY REVIEWED THE ATTACHED CLAIM FOR ADDITIONAL COMPENSATION OR EXTENSION OF TIME, AND KNOW ITS CONTENTS, AND SAID CLAIM IS MADE IN GOOD FAITH; THE SUPPORTING DATA IS TRUTHFUL AND ACCURATE; THAT THE AMOUNT REQUESTED ACCURATELY REFLECTS THE CONTRACT ADJUSTMENT FOR WHICH CONTRACTOR BELIEVES CITY IS LIABLE; AND, FURTHER, THAT I AM FAMILIAR WITH CALIFORNIA PENAL CODE § 72 AND CALIFORNIA GOVERNMENT CODE § 12650, ET SEQ., PERTAINING TO FALSE CLAIMS, AND FURTHER KNOW AND UNDERSTAND THAT SUBMITTING OR CERTIFYING A FALSE CLAIM MAY LEAD TO FINES, IMPRISONMENT, AND OTHER SEVERE LEGAL CONSEQUENCES."

C. Claims Submitted to Public Works Director

Within 30 calendar days after the circumstances giving rise to a Claim occur, Contractor will submit its Claim to the Public Works Director for a decision. Regardless of any Claim submittal, or any dispute regarding a Claim, unless otherwise directed by the Public Works Director, Contractor will not cause any delay, cessation, or termination of the Work, but will diligently proceed with the performing the Work in accordance with the Contract Documents. Except as otherwise provided, City will continue to make payments in accordance with the Contract Documents.

D. Claim Is Prerequisite to Other Remedy

Contractor certifies that it is familiar with PCC § 10240.2 and understands and agrees that submitting a Claim in accordance with these Specifications is an express condition precedent to Contractor's right to otherwise pursue a claim whether through alternative dispute resolution or by litigation. Should Contractor fail to submit a claim in accordance with these Specifications, including the time limits set forth herein, it will waive any right to a remedy, whether in law or equity, it might otherwise have pursuant to the Contract Documents or applicable law.

E. Decision on Claims

The Public Works Director will promptly review Claims submitted by Contractor in accordance with these Standard Specifications. Should the Public Works Director require additional supporting evidence to evaluate the claim, the Public Works Director will request such additional information in writing. Any such requested data will be furnished not later than 10 calendar days after Contractor receives the Public Works Director's request.

The Public Works Director will render a decision not later than 30 calendar days after either receiving the Claim or the deadline for furnishing additional supporting data,

whichever is later. If the Claim amount is more than \$50,000, the time period will be extended to 60 days. If the Public Works Director fails to render a decision within the time period established herein, then the Claim will be deemed denied. The Public Works Director's decision will be final and binding unless appealed in accordance with these Specifications.

The Public Works Director's decision on a Claim will include a statement substantially as follows:

"This is a decision pursuant to the Standard Specifications of your contract. If you are dissatisfied with the decision and have complied with the procedural requirements for asserting claims, you may have the right to alternative dispute resolution or litigation. Should you fail to take appropriate action within 30 calendar days of the date of this decision, the decision will become final and binding and not subject to further appeal."

F. Appeal of Public Works Director's Decision

Should Contractor dispute the Public Works Director's decision, then Contractor must appeal that decision to City Manager within 30 calendar days of receiving the Public Works Director's decision.

City Manager will address disputes or claims within 30 calendar days after receiving such request and all necessary supporting data. City Manager's decision on the dispute or claim will be City's final decision.

If Contractor disputes City Manager's decision, then Contractor must demand alternative dispute resolution in accordance with this Section and the PCC within 30 calendar days of City's final decision.

G. Mediation

If City and Contractor agree, disputes between the parties may be submitted to non-binding mediation. If the parties cannot agree to an alternative form of mediation, then mediation will be administered by the American Arbitration Association ("AAA") under its Construction Industry Mediation Rules, unless the use of such rules are waived by mutual stipulation of both parties.

The parties may, but are not required to be, represented by counsel in mediation.

The requirement for mediation will not alter or modify the time limitations otherwise provided for claims and no conduct or settlement negotiation during mediation will be considered a waiver of City's right to assert that claim procedures were not followed.

H. Arbitration

If City and Contractor do not agree to mediation, then disputes will be submitted to neutral non-binding (except as provided herein) arbitration. Arbitration will be conducted

in accordance with PCC § 10240.3. Any decision rendered by an arbitrator will be consistent with PCC § 10240.8.

The exclusive venue for any arbitration will be in Ventura County.

The expenses and fees of the arbitrators and the administrative fees, if any, will be divided among the parties equally. Each party will pay its own counsel fees, witness fees, and other expenses incurred for its own benefit.

I. When Arbitration Decision Becomes Binding

The decision rendered by the arbitrator will become binding upon the parties unless appealed to the Ventura County Superior Court pursuant to PCC § 10240.12 within 30 calendar days of the decision. If subsequent litigation results in an award to the party appealing the arbitration that is less than or equal to that of the arbitration decision, or if the litigation results in a decision in favor of the nonappealing party, then the party appealing the arbitration will pay the nonappealing party's attorney's fees and court costs.

J. Appeal to Superior Court; Waiver of Jury Trial

Should a party timely object to the arbitration decision, it may file a petition with the Ventura County Superior Court in accordance with California Code of Civil Procedure ("CCP") §§ 1285, et seq. Notwithstanding the limitations set forth in CCP § 1286.2, the court may vacate, correct, or adjust an arbitration award, and enter judgment in accordance with CCP § 1287.4, for any legal or equitable basis including, without limitation, error of law. The court will apply the substantial evidence standard of review when considering the appeal of an objecting party.

BY EXECUTING THESE CONTRACT DOCUMENTS, CONTRACTOR AGREES TO HAVE DISPUTES OR CONTROVERSY CONCERNING THE CONSTRUCTION, INTERPRETATION, PERFORMANCE, OR BREACH OF THESE CONTRACT DOCUMENTS, INCLUDING CLAIMS FOR BREACH OF CONTRACT OR ISSUES OF BAD FAITH DECIDED IN ACCORDANCE WITH THIS SECTION. BOTH CITY AND CONTRACTOR WAIVE THEIR RIGHT TO A JURY TRIAL FOR THESE DISPUTES OR ISSUES.

34. PREVAILING WAGES

Contractor will post at appropriate conspicuous points at the site of the project a schedule showing determinations of the Director of Industrial Relations of the prevailing rate of per diem wages. It will be Contractor's responsibility to obtain copies of the prevailing rate of per diem wages. One source that may be used is the California Department of Industrial Relations website which is currently located at www.dir.ca.gov, or by calling the Prevailing Wage Unit at (415) 703-4774.

Attention is directed to Labor Code §§ 1777.5, 1777.6 and 3098 concerning the employment of apprentices by Contractor or any subcontractor.

Labor Code § 1777.5 requires Contractor or subcontractor employing tradesmen in any apprenticeship occupation to apply to the joint apprenticeship committee nearest the site of the public works project and which administers the apprenticeship program in that trade for a certificate of approval. The certificate will also fix the ratio of apprentices to journeymen that will be used in the performance of the contract. The ratio of apprentices to journeymen in such cases will not be less than one to five except:

- When employment in the area of coverage by the joint apprenticeship committee has exceeded an average of 15 percent in the 90 calendar days before the request for certificate, or
- When the number of apprentices in training in the area exceeds a ratio of one to five, or
- When the trade can show that it is replacing at least 1/30 of its membership through apprenticeship training on an annual basis state-wide or locally, or
- When Contractor provides evidence that Contractor employs registered apprentices on all of his contracts on an annual average of not less than one apprentice to eight journeymen.

Contractor is required to make contributions to funds established for the administration of apprenticeship programs if Contractor employs registered apprentices or journeymen in any apprenticeable trade on such contracts and if other contractors on the public works site are making such contributions.

Contractor and any subcontractor will comply with Labor Code §§ 1777.5 and 1777.6 in the employment of apprentices.

Information relative to apprenticeship standards, wage schedules and other requirements may be obtained from the Director of Industrial Relations, ex-officio the Administrator of Apprenticeship, San Francisco, California, or from the Division of Apprenticeship Standards and its branch offices.

35. RECORD OF WAGES PAID: INSPECTION

Every Contractor and subcontractor will keep an accurate certified payroll records showing the name, occupation, and the actual per diem wages paid to each worker employed in connection with the Work. The record will be kept open at all reasonable hours to the inspection of the body awarding the contract and to the Department of Industrial Relations. If requested by City, Contractor will provide copies of the records at its cost.

36. LIABILITY INSURANCE

Contractor must comply with City's insurance requirements for public works projects which are adopted by City Council resolution.

The cost of such insurance will be included in the various items of work in Contractor's bid and no additional compensation for purchasing insurance or additional coverage needed to meet these requirements will be allowed.

In the event that any required insurance is reduced in coverage, cancelled for any reason, voided or suspended, Contractor agrees that City may arrange for insurance coverage as specified, and Contractor further agrees that administrative and premium costs may be deducted from payments due to Contractor. Contractor will not be allowed to work until alternate coverage is arranged.

Coverage will not extend to any indemnity coverage for the active negligence of the additional insured if the agreement to indemnify the additional insured would be invalid under Civil Code § 2782(b).

Subcontractors

Contractor must require and verify that all subcontractors maintain insurance meeting City's insurance requirements.

37. INDEMNIFICATION AND DEFENSE

In addition to all other provisions of the Contract Documents including, without limitation, the Greenbook, as between City and Contractor, Contractor will take and assume all responsibility for the work as stated herein or shown on the plans.

Contractor will bear all losses and damages directly or indirectly resulting to it, to City, its officers, employees, and agents, or to others on account of the performance or character of the work, unforeseen difficulties, accidents, traffic control, job site maintenance, or any other causes whatsoever.

Contractor will assume the defense of and indemnify and save harmless the City of Simi Valley, its officers, employees, and agents, from and against any and all claims, losses, damage, expenses and liability of every kind, nature, and description, directly or indirectly arising from the performance of the contract or work, regardless of responsibility for negligence, and from any and all claims, losses, damage, expenses, and liability, howsoever the same may be caused, resulting directly, or indirectly from the nature of the work covered by the contract, regardless of responsibility for negligence, to the fullest extent permitted by law. In accordance with Civil Code § 2782, nothing in this Section will require defense or indemnification for death, bodily injury, injury to property, or any other loss, damage or expense arising from the sole negligence or willful misconduct of City, or its agents, servants or independent contractors who are directly responsible to City, or for defects in design furnished by such persons. Moreover, nothing in this Section will apply to impose on Contractor, or to relieve City from, liability for active negligence of City.

City does not, and will not, waive any rights against Contractor which it may have by reason of the aforesaid hold harmless agreements because of the acceptance by City,

or deposit with City by Contractor, of any insurance policies. This hold harmless agreement by Contractor applies to all damages and claims for damages of every kind suffered or alleged to have been suffered by reasons of any of the aforesaid operations of Contractor, or any subcontractor, regardless of whether or not such insurance policies are determined to be applicable to any of such damages or claims for damages.

No act by City, or its representatives in processing or accepting any plans, in releasing any bond, in inspecting or accepting any work, or of any other nature, will in any respect relieve Contractor or anyone else from any legal responsibility, obligation or liability he might otherwise have.

38. PERMITS

Contractor will apply for permits required by City. These permits including, without limitation, a business license, will be issued on a “no-fee” basis. However, Contractor must pay for and obtain all other permits from other governmental and utility agencies necessitated by their operations but cannot charge City an administrative fee for obtaining such permits.

All bonding fees, (overweight and oversized vehicle permit fees) inspection permit fees or other fees charged or required for such permits must be paid by Contractor. These costs will be included in the bid item provided. If no bid item is included, costs will be included in the various items of work, and no additional payment will be allowed.

39. CLEANUP AND DUST CONTROL

On any construction project requiring trenching within public streets and for which total trenching is in excess of 500 feet, Contractor will be required to sweep the worksite utilizing a pick-up type of street sweeper a minimum of once daily.

40. WATERING

Water for dust control caused by Contractor’s operations or the passage of traffic through the work will be applied as necessary or as directed by the Public Works Director. The Contractor is required to obtain a construction water meter from the appropriate water company either from Ventura County Water Works District No. 8 or Golden State Water Company.

41. WATER POLLUTION CONTROL

The following requirements are added to establish storm water and urban runoff pollution prevention controls.

Storm or construction generated water containing sediment such as, construction waste, soil, slurry from concrete/asphalt concrete saw cutting operations, clean-up of concrete transit mixers or other pollutants from construction sites and parking areas will be retained or controlled on site and will not be permitted to enter the storm drain system.

Temporary sediment filtering systems such as sandbags, silt fences, or gravel berms will be utilized to trap sediment so that only filtered water enters City's storm drain system. Proper clean up and disposal of settled sediment and the filtering system will be the responsibility of Contractor.

Discharge of concrete transit mixer wash water on to approved dirt areas (sub-grade area designated for new concrete construction for example) is acceptable. Discharge on to private property, parkway areas, or the street is not permitted.

Plastic or other impervious covering will be installed where appropriate to prevent erosion of an otherwise unprotected area, along with any other runoff control devices deemed appropriate by City.

Excavated soil stored on the site will be covered in a manner that minimizes the amount of sediments running into the storm drain system, street or adjoining properties.

No washing of construction or other industrial vehicles and equipment will be allowed adjacent to a construction site. During the rainy season (October 15 to April 15), Contractor will keep at the construction site sufficient materials and labor to install temporary sediment filtering systems and other water pollution prevention control measures. These control measures will be in place and maintained by Contractor on a daily basis on days when construction is not in progress due to rain.

All costs associated with water pollution control will be borne by Contractor. Any expense incurred by City to expeditiously respond to storm drain contamination resulting from Contractor's failure to implement water pollution control measures will be charged to Contractor.

42. PROTECTION AND RESTORATION OF EXISTING IMPROVEMENTS

Where existing traffic striping, pavement markings, and curb markings are damaged or their reflectivity reduced by Contractor's operations, such striping or markings will also be considered as existing improvements and Contractor will replace such improvements.

Relocations, repairs, replacements, or re-establishments will be at least equal to the existing improvements and will match such improvements in finish and dimensions unless otherwise specified.

43. PUBLIC CONVENIENCE AND SAFETY

Unless otherwise specified all traffic control will be performed in accordance with the California Manual on Uniform Traffic Control Devices (CA MUTCD), Latest Edition, published by the California Department of Transportation (Caltrans).

44. TRAFFIC AND ACCESS

Contractor will notify the occupants of all affected properties at least 48 hours before any temporary obstruction of access. Vehicular access to property line will be maintained except as required for construction for a reasonable period of time. No overnight closure of any driveway will be allowed except as permitted by the Public Works Director.

At least one, 12 foot wide, traffic lane will be provided for each direction of travel on all streets at all times except as permitted by the Public Works Director. The traffic lanes will be maintained on pavement and will remain unobstructed. All work requiring that a lane be closed, or a lane moved right or left will be noticed to the traveling public by use of City approved lighted arrow boards.

Clearances from traffic lanes will be five feet to the edge of any excavation and two feet to the face of any curb, pole, barricade, delineator, or other vertical obstruction.

One four-foot-wide paved pedestrian walkway will be maintained in the parkway area on each side of all streets. The clearance from the pedestrian walkway to any traffic lane will be five feet. Pedestrians and vehicles will be protected from all excavations, material storage, and/or obstructions by the placement of an adequate number of lighted barricades (minimum two) at each location, one at each end of the obstruction or excavation), which will have flashing lights during darkness. Barricades will be Type II accordance with the California Manual on Uniform Traffic Control Devices (CA MUTCD).

45. STREET CLOSURES, DETOURS, BARRICADES

Street closures will not be allowed except as specifically permitted by the Public Works Director.

Contractor will prepare any traffic control or detour plans that may be required as directed by the Public Works Director. Lane transitions will not be sharper than a taper of 30 to one.

Temporary traffic channelization will be accomplished with barricades or delineators. Temporary striping will not be allowed unless specifically permitted by the Public Works Director. Contractor will prepare any plans that may be required for temporary striping to the satisfaction of the Public Works Director. In no event will temporary striping be allowed on finish pavement surfaces, which are to remain.

Where access to driveway or street crossings need to be maintained, minimum 1 1/4-inch-thick steel plating will be used to bridge the trench. All steel plating will have temporary asphalt concrete 1:12 minimum sloped ramps to assist vehicles to cross comfortably over the plates and have a non-skid surface. Plates subject to vehicle high traffic speeds and in residential areas will be secured by welding at the discretion of the Public Works Director.

46. PROTECTION OF THE PUBLIC

It is part of the service required of Contractor to make whatever provisions are necessary to protect the public. Contractor will use foresight and will take such steps and precautions as his operations warrant to protect the public from danger, loss of life or loss of property, which would result from interruption or contamination of public water supply, interruption of other public service, or from the failure of partly completed work or partially removed facilities. Unusual conditions may arise on the Project which will require that immediate and unusual provisions be made to protect the public from danger or loss of life, or damage to life and property, due directly or indirectly to prosecution of work under this contract.

Whenever, in the opinion of the Public Works Director, an emergency exists against which Contractor has not taken sufficient precaution for the public safety, protection of utilities and protection of adjacent structures or property, which may be damaged by Contractor's operations and when, in the opinion of the Public Works Director, immediate action will be considered necessary in order to protect the public or property due to Contractor's operations under this contract, the Public Works Director will order Contractor to provide a remedy for the unsafe condition. If Contractor fails to act on the situation immediately, the Public Works Director may provide suitable protection to said interests by causing such work to be done and material to be furnished as, in the opinion of the Public Works Director, may seem reasonable and necessary.

The cost and expense of said labor and material, together with the cost and expense of such repairs as are deemed necessary, will be borne by Contractor. All expenses incurred by City for emergency repairs will be deducted from the progress payments and the final payment due to Contractor. Such remedial measures by City will not relieve Contractor from full responsibility for public safety.

47. HAZARDOUS MATERIAL

For any excavation, which extends more than four feet below existing grade, Contractor will promptly, and before the conditions are disturbed, notify the Public Works Director, in writing, of 1) any material that Contractor believes may be hazardous waste, as defined in Health and Safety Code § 25117, which is required to be removed to a Class I, Class II, or Class III disposal site in accordance with provisions of existing law, 2) subsurface or latent physical conditions at the site differing from those indicated, or 3) unknown physical conditions at the site of any unusual nature, different materially from those ordinarily encountered and generally recognized as inherent in work of the character provided for in the Contract Documents.

After receiving notice from Contractor, the Public Works Director will promptly investigate any condition identified by Contractor as being hazardous. The rights and obligations of City and Contractor with regard to such conditions (including, without limitation, the procedures for procuring change orders and filing claims) will be specified by the provisions of these Standard Specifications regarding Changed Conditions.

If a dispute arises between City and Contractor whether the conditions materially differ, involve hazardous waste, or cause a change in Contractor's cost or time required for

performance of the work, Contractor will not be excused from any scheduled completion date provided for by the contract, but will proceed with all work to be performed under the contract.

If the Public Works Director determines that material called to the Public Works Director's attention by Contractor is hazardous waste, or if the Public Works Director otherwise discovers the existence of hazardous waste, Contractor will be responsible for removal and disposal of the hazardous waste by qualified personnel and appropriate equipment in the manner required by law as directed by the Public Works Director.

48. SUSPENSION OF THE WORK

If the Public Works Director suspends work, Contractor must do all the work necessary to provide a safe, smooth, and unobstructed passageway through the construction for use by traffic during the period of such suspension. Should Contractor fail to perform the work above specified, City will perform such work and the cost will be deducted from monies due or to become due to Contractor.

If the Public Works Director orders a suspension of all of the work or a portion of the work, due to unsuitable weather or to such other conditions as are considered unfavorable to the suitable prosecution of the work, the days on which the suspension is in effect is not a working day.

49. LUMP SUM WORK

Items for which quantities are indicated as "Lump Sum," "L.S.," or "Job" will be paid for at the price indicated in the Proposal. Such payment will be full compensation for all costs for labor, equipment, materials and plant necessary to furnish, construct and install the lump sum item of work, complete, in place, and for all necessary appurtenant work, including, but not limited to, all necessary cutting, patching, repair and modification of existing facilities, and clean-up of site.

Contractor will furnish three copies of a detailed schedule, which breaks down the lump sum work into its component parts and cost for each part, in a form and sufficiently detailed as to satisfy Public Works Director that it correctly represents a reasonable apportionment of the lump sum. This schedule is subject to approval by Public Works Director as to both the components into which the lump sum item is broken down, and the proportion of cost attributable to each component.

This schedule will be the basis for progress payments for the lump sum work.

50. PARTIAL AND FINAL PAYMENTS

The closure date for the purpose of making partial progress payments will be the last working day of each month. Contractor will prepare the partial payment invoice with measurement of the work performed through the closure date and submit it to City for approval.

When work is complete, Contractor will determine the final quantities of the work performed and prepare the final progress payment and submit it to the Public Works Director for approval.

It will take a minimum of 35 calendar days from the date of approving Contractor's invoice to make the payment to Contractor. However, payments will be withheld pending receipt of any outstanding reports required by the contract documents, or legal release of filed Stop Payment Notices against Contractor. In addition, the final progress payment will not be released until Contractor returns the control set of Plans and Specifications showing the as-built conditions.

The full five percent (5%) retention will be deducted from all progress payments. Contractor will make a payment request for the retained amount, for approval by City, upon field acceptance of the work by the Public Works Director. The Public Works Director upon field acceptance and receipt of the final as-built plans and any other reports or documents required to be provided by Contractor will process a Notice of Completion. Not less than 35 calendar days from City Manager acceptance of the work, Contractor's final payment will be made provided Stop Payment Notices or other claims have not been filed against Contractor and/or City by material suppliers, sub-contractors, other governmental agencies, and private property owners. Until these Stop Payment Notices are released, and claims are resolved the stop payment/claim amount will be withheld from the final payment.

Contractor, however, may receive interest on the retention for the length of construction, or receive the retention itself as long as the retention is substituted with escrow holder surety or equal value.

At the request and expense of Contractor, surety equivalent to the retention may be deposited with the State Treasurer, or a State or Federally chartered bank, as the escrow agent, who will pay such surety to Contractor upon satisfactory completion of the contract.

Pursuant to PCC § 22300, Contractor may substitute securities for retention monies held by City or request that City place such monies into an escrow account. Contractor is notified, pursuant to PCC § 22300, that any such election will be at Contractor's own expense and will include costs incurred by City to accommodate Contractor's request.

Progress payment paid by City as contemplated herein, will be contingent upon Contractor submitting, in addition to any additional documents, an updated Contract Schedule in the form prescribed by these Contract Documents. Failure of Contractor to submit an acceptable updated Contract Schedule will result in City withholding partial payment, without liability to City, until such an acceptable updated Contract Schedule is submitted. Nothing herein will allow Contractor to suspend or slow progress of the Work.

A City Council resolution established a Project Payment Account, encumbered money in the current budget, and assigned that money to the Project Payment Account which is the sole source of funds available for payment of the Contract Sum. Contractor understands and agrees that Contractor will be paid only from this special fund and if for

any reason this fund is not sufficient to pay Contractor, Contractor will not be entitled to payment. The availability of money in this fund, and City's ability to draw from this fund, are conditions precedent to City's obligation to make payments to Contractor.

51. DELIVERED MATERIALS

Materials and equipment delivered or stored, but not incorporated into the work, will not be approved for progress payments.

52. TERMINATION OF AGENCY LIABILITY

Before receiving final payment, Contractor will execute a "Release on Contract" form which will operate as, and will be a release to City, the City Council, and each member of the City Council and their agencies, from all claims and liability to Contractor for anything done or furnished for, or relating to, the work or for any act of neglect of City of any person relating to or affecting the work, except the claim against City for the remainder, if any there be, of the amounts kept or retained as in these Standard Specifications and except for any unsettled claims listed on said form which have been filed in compliance with the requirements for making claims.

Another requirement before receiving the final payment is that Contractor must file with the Public Works Director the completed attached affidavit sworn to before a Notary Public stating that all workers and persons employed, all firms supplying materials and all subcontractors upon the project, have been paid in full, and that there are no bills outstanding against the project for either labor or materials except certain items, if any, to be set forth in such affidavit, covering disputed claims or items in connection with which Notices to Withhold have been filed under the provisions of the Code of Civil Procedure. The filing of such notarized affidavit by Contractor is required before City makes final payment on the Contract.

53. UTILITIES

Work must conform to the provisions in Section 402 of the Greenbook. Manhole covers, water valve covers and grates of existing facilities will be adjusted to grade by the respective utility companies if such facilities are not included in the Contract. Contractor must cover grates with material suitable for preventing any paving material from passing through the grate. Contractor must mark the location of all existing covers by inscribing a cross in the new pavement or overlay. The cross mark must be clear and legible after final rolling.

Contractor must remove extraneous material from the interior and exterior of manholes, valve boxes, storm drains, gutters or other facilities. Covers which are partially exposed must be cleaned to the satisfaction of the Engineer.

Immediately before placing asphalt emulsion, Contractor must wrap all utility covers in a 3 mm plastic bag. Contractor must take care not to allow asphalt emulsion to run onto the covers. Diesel fuel application to the covers will not be allowed.

Contractor must contact the respective utility companies and other agencies listed below forty-eight (48) hours before starting any work on each road by which those companies are affected.

UTILITY/AGENCIES TELEPHONE CONTACT LIST

AT&T
(805) 583-6559

AT&T LONG DISTANCE FIBER OPTIC
(704) 963-7964

CALIFORNIA HIGHWAY PATROL
(805) 654-4710 (4571)

CALLEGUAS MUNICIPAL WATER DISTRICT
(805) 526-9323

CENTURYLINK
(800) 244-1111

CITY ENGINEER
(805) 583-6786

CITY POLICE DEPARTMENT
(805) 583-6950

CITY SANITATION DIVISION
(805) 583-6442

CITY TRAFFIC ENGINEER
(805) 583-6786

CITY TRANSIT DIVISION
(805) 583-6456

CRIMSON PIPELINE
(805) 525-6312

EDISON INTERNATIONAL COMPANY
(805) 494-7013

EQUILON CORPORATION
(310) 816-2063

GOLDEN STATE WATER COMPANY
(805) 527-9393

MED TRANS AMBULANCE
(805) 495-4666

RANCHO SIMI RECREATION AND
PARK DISTRICT
(805) 584-4400

SIMI VALLEY UNIFIED SCHOOL
DISTRICT
(805) 306-4500

SOUTHERN CALIFORNIA GAS CO.
(818) 701-3468

SPECTRUM
(805) 732-8160

SPRINT NEXTEL
(949) 842-9315

UNDERGROUND SERVICE ALERT
1-800-422-4133 OR 811

UNION PACIFIC RAILROAD
(800) 336-9193

U.S. POST OFFICE
(805) 526-9819 OR (800) 275-8777

VENTURA COUNTY FIRE DEPARTMENT
(805) 389-9738, ext. 1

VENTURA COUNTY SHERIFF
(805) 494-8200

VENTURA COUNTY WATERSHED
PROTECTION DISTRICT
(805) 378-3033

VENTURA COUNTY WATERWORKS
DISTRICT NO. 8
(805) 583-6076

VERIZON
(909) 421-3312 or (909) 421-3316

WASTE MANAGEMENT
(805) 522-9400 EXT. 4360

CITY OF SIMI VALLEY
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION
SPECIAL PROVISIONS
FOR
SANDY FIRE DEBRIS FLOW MITIGATION PROJECT, GT29800001

SPECIFICATION NO. SV 27-16

SECTION 5000

SPECIAL CONDITIONS

(Not a Bid Item)

5000-1 SUBMITTALS

- A. Working drawings must be submitted to the Engineer for review one week prior to the Pre-Construction Meeting, and must include the following:
 - 1. A Traffic Control Plan addressing the requirements of Section 5002, "Traffic Control, Construction Signing and Traffic Maintenance."
 - 2. A Stormwater Pollution Control Plan (SWPCP) addressing the requirements of Section 5003, "Stormwater Pollution Control," of these Special Provisions for the affected project sites.
 - 3. A Construction Phasing Plan including the construction operations for each segment.
 - 4. A project schedule must be submitted immediately by the contractor once the project is awarded.
- B. Submittal of supporting information must be in accordance with SSPWC Subsection 3-8.4, "Supporting Information," except as modified herein. Supporting information must be submitted to the Engineer for review at least three weeks prior to the use of any material, and the Contractor may not deliver or use any material prior to the approval of the Engineer in writing. Supporting information must include written certifications, shop drawings, and mix designs of all materials to be incorporated in the work.

5000-2 GENERAL

- A. Locations requiring a right of entry may be removed at any time at no additional cost to the City.
- B. Working hours will be from 7:00 a.m. to 4:00 p.m. Monday through Saturday.
- C. Various terrain is anticipated to be encountered during construction. Contractor must verify the existing site condition within all construction areas prior to submitting bids and starting construction. No additional payment will be made for variations in existing site conditions.
- D. Some work is anticipated to be constructed on private property. The City reserves the right to remove any work without penalty to the City due to Right-of-Entry or Easement related issues or concerns.

SECTION 5002

**TRAFFIC CONTROL, CONSTRUCTION SIGNING
AND TRAFFIC MAINTENANCE**

5002-1 **GENERAL**

- A. Traffic control, construction signing and traffic maintenance consists of all traffic control involved in the Contractor's operations as required by these Special Provisions, and includes preparation of traffic control plans, notices, signs, barricades, delineators, sign relocations and maintenance, flaggers, and auxiliary police services.
- B. Traffic control must comply with the most recent edition of the California Manual of Uniform Traffic Control Devices and Caltrans "Standard Plans", and the SSS Subsections 7-1.03, "Public Convenience," 7-1.04, "Public Safety," and Section 12, "Temporary Traffic Control."
- C. Nothing in these specifications must be construed as relieving the Contractor from his/her responsibility as provided in the SSS Subsection 7-1.04.
- D. All measurement and payment clauses of the SSS are hereby deleted and modified herein.

5002-2 **CONSTRUCTION - TRAFFIC CONTROL DEVICES**

- A. Construction signing consists of furnishing, installing, maintaining, and removing construction signs, barricades, and arrow boards in accordance with the most recent edition of the California Manual of Uniform Traffic Control Devices and Caltrans "Standard Plans." The traffic control system must be installed prior to starting work at each location and may not be removed until all work has been completed. The Contractor must post and maintain all necessary construction signs and flaggers. Interchangeable message signs (IMS) and Flagger(s) must be provided whenever deemed necessary by the Engineer at no cost to the City.
- B. The Contractor must furnish, erect, maintain, and remove when no longer necessary traffic control devices, including fences and barriers, when and where it may be necessary to do so, in order to give adequate warning to the public of conditions resulting from the Contractor's operations and to guide traffic through or around the construction area. If the Contractor's operations interfere with existing traffic, and regulatory measures and traffic control devices are not adequate to safely control traffic, or if the nature of the work requires additional control, the Contractor must provide experienced flaggers to perform the function of traffic control. While on duty, flaggers must be properly attired and equipped. If in the opinion of the Engineer, the Contractor fails to adequately control the flow of

traffic, the City Police will be engaged to safely direct the vehicular traffic. Such added cost will be at the expense of the Contractor.

- C. The Contractor must place and maintain barricades at each end of and along an excavation, obstruction, or other restrictive condition and at distances of not more than fifty feet apart along the length thereof. In addition, flashers or other approved warning devices must be placed at the same intervals/locations as the barricades and must be illuminated from sunset each day until sunrise of the following day.

5002-3 ROAD CONSTRUCTION SIGNS

- A. The Contractor will be required to furnish, install, remove and reinstall as necessary up to four off-site road construction signs per each street location as shown in the appendices.
- B. The Contractor will be required to furnish install, remove, and reinstall as needed a minimum of 2 interchangeable message boards for arterial street work.
- C. These signs must be placed at the vicinity of the project limits facing each direction of approaching traffic, or as directed by the Engineer.
- D. These signs must be in place seven (7) days prior to the start of construction for each schedule and must be maintained for the duration of the project. These signs will advise motorists as stated and shown in appendices.

5002-4 "NO PARKING" SIGNS

- A. The Contractor, where directed and as approved by the Engineer, must furnish and place temporary "No Parking" signs, 12 inches x 18 inches minimum size, along the affected streets, at a spacing not exceeding 50 feet.
- B. The signs must be placed two (2) working days in advance of any work. The signs must include the day and the time during which parking will not be permitted and must be as shown in the traffic control exhibits in the appendices of these Specifications. Writing must be legible, visible and maintained for the entire duration that the sign is to be posted. Contractor must not cross out or write over the text of previous signs.
- C. These signs must be posted on laths only, and may not be posted anywhere on private property. Trees, mailboxes, utility posts, etc., must not be used. Immediately after the placement of signs, the Contractor must contact the Simi Valley Police Department, Traffic Bureau at (805) 583-6997 and provide the dates and times during which parking will not be permitted. The Contractor must remove these signs immediately when they are no longer needed.

5002-5 TRAFFIC MAINTENANCE

- A. The Contractor must provide a traffic control plan (TCP) prepared by a Registered Traffic Engineer for each street and submit it to the Engineer for approval. The TCP must show the locations of all traffic control devices, address the movement of traffic, especially in intersections, and include the flashing of traffic signals in red by City inspection staff during paving in intersection areas. If prior approval of the Traffic Engineer is received, standard traffic control drawings from the California Manual of Uniform Traffic Control Devices or Standard Plans may be substituted for engineered plans for typical locations and must include written details regarding the street segment affected and the hours of operation.
- B. The Contractor must cooperate with the Engineer relative to handling traffic through all work areas, and must make his/her own arrangements relative to keeping the working area clear of parked vehicles, and in maintaining clear and continuous access to adjacent properties.
- C. The Contractor must provide for controlled pedestrian crossings through the work area. Crossings must provide pedestrians the means of passing over or through the work without tracking either tack coat or hot asphalt concrete, or endangering pedestrian safety.
- D. Throughout the life of the project, safe, unobstructed and adequate pedestrian and vehicular access must be continuously provided and maintained to fire hydrants, bus stops, and all affected property and all affected intersecting streets and driveways, unless otherwise approved in advance on a specific location basis by the Engineer. Care must be taken to comply with access requirements, for those access points that serve as the sole access to one or more properties.
- E. Where non-motorized (pedestrian, equestrian, or bicycle) facilities exist, they must be maintained in passable condition or other facilities must be provided. Passage between facilities at intersections must likewise be provided. In areas of high volume non-motorized traffic, such as shopping centers, the Contractor must provide for controlled pedestrian crossings through the work or schedule work to avoid peak non-motorized volumes. Crossings must provide for the existing non-motorized volumes. The crossings must provide a means of passing over or through the work without tracking construction materials such as tack coat or hot asphalt concrete.
- F. The Contractor's equipment, and personal vehicles of the Contractor's employees, must not be parked on the traveled way nor on any section where traffic is restricted at any time.
- G. When material excavated for substructure construction is placed adjacent to the trench or excavation, it must be placed in such manner as to economize space and minimize interference with traffic. If necessary, such material must be confined by suitable bulkheads or other devices. If the street is not of sufficient width to hold excavated material without using part of an adjacent walkway, a passageway at least one-half the width of such walkway must be kept open at all

times.

- H. The Contractor must cooperate with the Engineer in locating all traffic control devices required. If the Contractor fails to promptly provide traffic control devices as required under this Section, the City may, at its option, so provide them at the Contractor's expense. The Contractor must pay to the City, or the City may deduct, the cost of such work from any moneys due the Contractor from the City.

5002-6 PUBLIC RELATIONS, CONSTRUCTION PHASING, AND ACCESS

- A. Contractor must complete the work on one street at a time before moving to another street.
- B. Project construction must be phased to facilitate safe and efficient traffic flow, and to maintain public relations and minimize the inconvenience to the public. In an effort to meet this objective, the construction operations throughout the length of each street segment must be performed to accommodate a two-way lane (12 feet wide) with an experienced flagger on each end to control the flow of traffic to the satisfaction of the Traffic Engineer.
- C. Access to driveways must be maintained at all times. The contractor must minimize inconvenience to public vehicular traffic while conducting operations.

5002-7 ACCESS TO LOCAL RESIDENCES

- A. Access to adjacent streets and residences driveways must be maintained at all times. Steps to accommodate the ingress and egress to these adjacent properties must be implemented, especially during the morning and late afternoon peak traffic periods. The required traffic control plan must incorporate provisions or steps for the accommodation of the access needs.

5002-8 RESTRICTIONS ON CLOSURE OF STREETS AND TRAFFIC LANES

- A. The Contractor must at all times provide a minimum of one (1) traffic lane in each direction during working hours. Each lane must have a minimum width of twelve (12) feet and clearance of two (2) feet to curbs, barricades, or other vertical obstructions, and five (5) feet to open excavations. Such traffic must be routed onto new or existing paved surfaces if the roadway width does not accommodate a twelve (12) foot lane in each direction, a two (2) way lane (twelve (12) feet wide) must be provided with an experienced flagger at each end to control the flow of traffic to the satisfaction of the Traffic Engineer.
- B. The full width of the traveled way must be open for use by public traffic on Saturday, Sunday and any day designated by the City as a legal holiday; after 3:00 p.m. on Friday, after 3:00 p.m. on the day proceeding a designated legal holiday; and when construction operations are not actively in progress on working days.
- C. When a section of pavement has been completed, it must, when ordered by the

Engineer, be opened for use by traffic.

5002-9 MEASUREMENT AND PAYMENT

- A. Measurement and payment for traffic control, construction signing, and traffic maintenance, including special traffic advisory signs, complete in place, will be made at the Contract lump sum price bid as shown in the Bid Schedule.
- B. The Contract price and payment is full compensation for furnishing all labor, materials, equipment, tools, transportation and incidentals, and for doing all the work involved and necessary for traffic control, construction signing and traffic maintenance, complete in place, as specified in the SSPWC and these Special Provisions, and as directed by the Engineer.

SECTION 5003

STORMWATER POLLUTION CONTROL

5003-1 **DESCRIPTION**

- A. The work described in this section consists of furnishing all labor, materials, tools, equipment and incidentals necessary for stormwater pollution control, including good housekeeping practices, containment of waste, control of the construction site perimeter, vehicle and equipment management, management of concrete and mortar products, management of asphalt and bituminous products, stockpiles, paint, solvents, solutions, dust control, and the preparation of the Stormwater Pollution Control Plan (SWPCP), as specified in these Special Provisions, as required by the federal NPDES for Stormwater Pollution Control Program, and as directed by the Engineer.
- B. This project is subject to the conditions and requirements of the Ventura Countywide Stormwater Quality Management Program, National Pollutant Discharge Elimination System (NPDES) Permit No. CAS004004, Order No. R4-2021-0105 (MS4 Permit). The Contractor is responsible for compliance with all requirements that are effective during the life of the project.
- C. The Contractor must take all necessary steps during the project construction period to prevent or reduce discharge of pollutants from the work sites to the City storm drain system utilizing the following prevention measures:
 - 1. Maintain clean work sites through good housekeeping measures and regular clean-up and disposal of all debris, storage materials, saw-cut slurry, waste, etc.
 - 2. Eliminate discharge of sanitary water/septic waste to storm drain system by providing convenient and well-maintained facilities, and regular service and disposal.
 - 3. Manage and operate construction vehicles and equipment in a manner to prevent leaks, spills, and waste.
 - 4. Prevent and control the discharge of soil sediments; concrete and mortar waste; asphalt and bituminous materials; chemicals from treated wood products, paints, solvents, adhesives, and cleaning solutions; soil, trimmings and garden chemicals; construction water from collecting and transporting pollutants; and saw-cut slurry materials.
 - 5. Prevent pollution of the storm drain system during import, export, stockpiling, and spreading or grading of earthwork materials.
- D. For more detailed information and specifications for stormwater pollution control at

construction sites, refer to document entitled, "Stormwater Pollution Control Guidelines For Construction Sites," which by reference forms a part of these Special Provisions and is available at the Public Works counter.

- E. To assure achieving the above requirements, a Stormwater Pollution Control Plan (SWPCP) must be submitted with the contract documents at least one week prior to the Pre-Construction Conference for the Engineer's review. The SWPCP must include the Contractor's proposed provisions for diverting and controlling water around the project site, and the prevention of pollutant discharge as described herein.

5003-2 ADDITIONAL MISCELLANEOUS REQUIREMENTS IN THE MS4 PERMIT

- A. **Best Management Practices (BMP)s for Roadway Paving/Repaving Operations** - Contractor must implement the following BMPs for all roadway paving or repaving operations:

1. Restrict paving and repaving activity to exclude periods of rainfall or predicted rainfall unless required by emergency conditions.
2. Install sand bags or gravel bags and filter fabric at all susceptible storm drain inlets and at manholes to prevent spills of paving products and tack coat.
3. Prevent the discharge of release agents including soybean oil, other oils, or diesel to the storm water drainage system or receiving waters.
4. Minimize non-storm water runoff from water use for the roller and for evaporative cooling of the asphalt.
5. Clean equipment over absorbent pads, drip pans, plastic sheeting or other material to capture all spillage and dispose of properly.
6. Collect liquid waste in a container, with a secure lid, for transport to a maintenance facility to be reused, recycled, or disposed of properly.
7. Collect solid waste by vacuuming or sweeping and securing in an appropriate container for transport to a maintenance facility to be reused, recycled, or disposed of properly.
8. Cover the "cold-mix" asphalt (i.e., pre-mixed aggregate and asphalt binder) with protective sheeting during a rainstorm.
9. Cover loads with tarp before haul-off to a storage site, and do not overload trucks.
10. Minimize airborne dust by using water spray during grinding.

11. Avoid stockpiling soil, sand, sediment, asphalt material and asphalt grindings materials or rubble in or near storm water drainage system or receiving waters.

12. Protect stockpiles with a cover or sediment barriers during a rain event.

- B. **Pesticide/Herbicide Application & Landscape Activities** - Use fertilizers and pesticides as directed; keep them away from drainage facilities. Follow the standard protocol for routine and non-routine application of pesticides, herbicides, and fertilizers as per the Ventura County Stormwater Management Plan (A copy of the Pesticide Program Protocol can be obtained at the following website: www.vcstormwater.org). Protect stockpiles and materials from wind and rain by storing them under tarps or secured plastic sheeting. Do not deposit leaves or landscape debris into the street, gutter, or storm drain system.
- C. **Employee BMP Training** - Contractor must train employees and subcontractors on BMP implementation, general good housekeeping, and proper spill containment and cleanup.
- D. **Removal of Accumulated Rainwater** - The Contractor must follow the City of Simi Valley Guidelines for Removal of Rainwater that has accumulated on the job site. The preferred method is to filter the rainwater into a water truck for use in dust control or irrigation. If it is necessary to remove rainwater from the site to the street, gutter, or storm drainage system, Contractor must use BMPs to insure that the water does not exceed 100 mg/1 of Total Suspended Solids and no other construction waste is present in the water to be discharged before discharging to drainage facilities.
- E. **Inspections/BMP Repair/Modification** - Contractor or his designee must inspect and repair or replace the job site BMPs weekly and at least once each 24 hour period during extended storm events to identify and record BMPs that need maintenance or have failed. Contractor must implement repairs or begin design changes to BMPs within 72 hours of identification and complete the changes as soon as possible. All inspections must be documented on the required form in the SWPCP.

5003-3 FINES

- A. Fines from regulatory agencies levied against the City because of the Contractor's actions or inactions in failing to comply with all regulations are the sole responsibility of the Contractor.

5003-4 MEASUREMENT AND PAYMENT

- A. The measurement and payment for Stormwater Pollution Control will be made at the Contract lump sum price bid as shown in the Bid Schedule.

- B. The Contract price and payment is full compensation for furnishing all labor, materials, equipment, tools, transportation and incidentals, and for doing all the work involved and necessary to accomplish the prevention and control of pollutant discharge to stormwater, as specified in these Special Provisions, as required by the federal NPDES for Stormwater Pollution Control Program, and as directed by the Engineer.

SECTION 5006

CONSTRUCTION SURVEYING

5006-1 **GENERAL**

- A. Subsections 3-10, "Surveying" and 400-3, "Payment" of the SSPWC and Sections 5000-9, "Surveying" and 5000-26 "Survey Monument Tie Adjustments" of these Special Provisions are hereby deleted and replaced as follows.
- B. The work described in this section consists of furnishing all labor, materials, tools, equipment and incidentals necessary for construction surveying as directed by the Engineer.
- C. The Contractor must perform all Construction staking and restaking for all required construction items, including storm drains, fiber rolls, rail and timber barriers, sand bags, perforated CMP, and temporary railings.
- D. The Contractor must locate, protect, and save any and all survey monuments and ties that will be, or may be damaged or destroyed by the Contractor's operation, in accordance with SSPWC Subsection 400-2, "Permanent Survey Markers."
- E. All affected survey monuments and markers within the limits of sidewalks, curbs, curb/gutters, curb ramps and streets must be tied down by the Contractor prior to such removals for subsequent adjustment and/or installation.
- F. Required corner records must be prepared with all applicable Ventura County standards and requirements and filed with the Ventura County Surveyor.
- G. Where a survey monument and/or property corner tie will be removed due to this construction, the Contractor must save the monuments, markers, and appurtenances. The reinstallation of the actual monuments and/or property corners must be accomplished by the Contractor at the Contractor's expense.
- H. A 72-hour notification to the City is required before removal of a survey monument tie.
- I. All data must be taken with an Electronic Distance Measuring (EDM) device using actual elevations.
- J. The locations and limits of removal and construction of asphalt concrete facilities will be staked or marked by the Engineer in the field.

5006-2 **MEASUREMENT AND PAYMENT**

- A. Measurement and payment for construction surveying will be made at the Contract lump sum price bid as shown in the Bid Schedule.

- B. No separate or additional payment will be made for protection and restoration of existing improvements.
- C. The Contract price and payment is full compensation for furnishing all labor, materials, equipment, tools, transportation and incidentals, and for doing all the work involved and necessary for construction surveying, as shown on the Plans and the standard plates/details of the Appendices of these Special Provisions, as specified in the SSPWC and these Special Provisions, and as directed by the Engineer.

SECTION 5081

ROCK GABIONS

5081-1 GENERAL

- A. The work described in this section consists of furnishing all labor, materials, tools, equipment and incidentals necessary for furnishing, assembling and installing rock filled wire mesh gabion baskets and mattresses, including all trenching, excavation, shoring crushed rock foundation, backfill, compaction, and filter fabric as shown on the Plans, as specified in the SSPWC and these Special Provisions, and as directed by the Engineer.

5081-2 TYPES

- A. Gabions must consist of rectangular wire mesh formed containers filled with rock. Gabions will conform to one of the following mesh types:
 - a. Woven Mesh - Non-raveling double twisted hexagonal wire mesh, consisting of two wires twisted together in two 180-degree turns.
 - b. Welded Mesh - Welded-wire mesh with a uniform square or rectangular pattern and a resistance weld at each intersection. The welded wire connections must conform to the requirements of ASTM A 185, including wire smaller than W1.2 (0.124 in.); except that the welded connections must have a minimum average shear strength of 70% and a minimum shear strength of 60% of the minimum ultimate tensile strength of the wire.
- B. Gabions must be furnished as baskets or mattresses, as shown in the construction plans. Baskets have a height of 12 inches or greater. Mattresses have a thickness of 12 inches or less.
- C. Baskets and mattresses must be fabricated within a dimension tolerance of plus or minus 5 percent, except that the mattress height must be within 10 percent.

5081-3 MATERIALS

- A. Gabions must be fabricated, assembled and installed in accordance with the nominal wire sizes and dimensions found in Tables 1 and 2.
- B. Wire for fabrication and assembly must be hot-dipped galvanized. The wire must have a minimum tensile strength of 60,000 psi. Galvanized steel wire must conform to ASTM A 641, Class 3, Soft Temper.
- C. Spiral binders are the standard fastener for welded-mesh gabion baskets and mattresses, and must be formed from wire meeting the same quality and coating thickness requirements as specified for the gabion baskets and mattresses.

Alternate fasteners for use with wire mesh gabions, such as ring fasteners, must be formed from wire meeting the same quality and coating thickness requirements as specified for the gabions.

- D. Gabion baskets or mattresses must be installed with PVC coating and must be interconnected using ring fasteners made of stainless steel or PVC-coated spiral fasteners. All fasteners must meet the closing requirements of the gabion manufacturer.

Table 1*

Gabion Baskets

Height 12, 18, or 36 Inches; Length as Specified

Type of wire	Mesh Size (Inches)	Wire Diameter (Inches)	PVC Coating (inches)	Total Diameter (inches)	Galvanized Coating (Oz/SF)
Woven Mesh	3 1/4 x 4 1/2	0.118	None	0.118	0.80
	3 1/4 x 4 1/2	0.105	0.02	0.145	0.80
Selvage		0.153	None	0.153	0.80
		0.13	0.02	0.172	0.80
Lacing and Internal Connecting Wire		0.086	0.02	0.126	0.70
Welded Mesh	3 x 3	0.118	None	0.118	0.80
	3 x 3	0.105	0.02	0.145	0.80
Spiral Binder		0.105	0.02	0.145	0.80

Table 2*

Gabion Mattresses

Height 6, 9, or 12 Inches; Length as Specified

Type of wire	Mesh Size (Inches)	Wire Diameter (Inches)	PVC Coating (inches)	Total Diameter (inches)	Galvanized Coating (Oz/SF)
Woven Mesh	2 1/2 x 3 1/4	0.086	0.02	0.126	0.70
		0.105			
Selvage		0.105	0.02	0.145	0.80
Lacing and Internal Connecting Wire		0.086	0.02	0.126	0.70
Welded Mesh	1 1/2 x 3	0.080	0.02	0.120	0.70
Spiral Binder		0.105	0.02	0.145	0.80

*NOTE: The wire sizes and PVC coating thickness shown are nominal sizes. The wire diameter includes the galvanizing coating thickness.

- E. When Epoxy or Polyvinyl Chloride (PVC) coated wire is used, the galvanized wire must be coated by fusion-bonded epoxy; or fusion bonded, extruded, or extruded and bonded PVC material. The wire coating must be colored black, gray, green or silvery; and the initial properties of the PVC coating must meet the following requirements:
- Specific Gravity. In the range of 1.25 to 1.35, ASTM D 792.
 - Abrasion Resistance. The percentage of weight loss must be less than 12%, when tested according to ASTM D 1242, Method B at 200 cycles, CSI-A Abrader Tape, 80 Grit.
 - Brittleness Temperature. Not higher than 15 degree F, ASTM D 746.
 - Tensile Strength. Extruded Coating (not less than 2,980 psi., ASTM D 412). Fusion Bonded Coating (not less than 2,275 psi., ASTM D 638).
 - Modulus of Elasticity. Extruded Coating (not less than 2,700 psi. at 100 percent strain, ASTM D 412). Fusion Bonded Coating (not less than 2050 psi. at 100 percent strain, ASTM D 638).
 - Ultraviolet Light Exposure. A test period of not less than 3000 hours, using apparatus Type E at 63 degree C, ASTM G 23.
 - Salt Spray Test. A test period of not less than 3000 hours, ASTM B 117.
- F. Rock must conform to the quality requirements in SSPWC Subsection 200-1.6, "Stone for Rip Rap," unless otherwise specified in the construction plan. At least 85 percent of the rock particles, by weight, must be within the predominant rock size range shown in Table 3.

Table 3
Rock Requirements

Gabion Basket	Predominant Rock Size (Inches)	Minimum Rock Dimension (Inches)	Max Dimension (Inches)	Rock
18 or 36 Inch Basket	4 to 8	4	9	
12 Inch Basket or Mattress	4 to 6	3	8	
6 or 9 Inch Mattress	3 to 6	3	6	

- G. Prior to delivery to the site, the Contractor must inform the Engineer in writing of the source from which the rock will be obtained, and provide the test data by which the material was determined by the Contractor to meet the specification.
- H. Bedding or filter material, when specified, must meet the gradation shown on the plans or as specified in Geotextile, when specified, must conform to the requirements specified in SSPWC Subsection 200, "Rock Products."

5081-4 FOUNDATION PREPARATION

- A. The foundation on which the gabions are to be placed must be cut or filled and graded to the lines and grades shown on the drawings. Surface irregularities, loose material, vegetation, and all foreign matter must be removed from foundations. When fill is required, it must consist of materials conforming to the specified requirements. Gabions and bedding or specified geotextiles must not be placed until the foundation preparation is completed, and the subgrade surfaces have been inspected and approved by the City. Bedding material for gabions must be 3/4-inch crushed rock encased in Mirafi 140N drainage fabric or approved equal.
- B. Subgrade must be compacted to a minimum of 90 percent, and bedding material must be compacted to a minimum of 95 percent. The surface of the finished material must be to grade and free of mounds, dips or windrows. Mirafi 140N drainage fabric must be installed in accordance with the requirements of SSPWC Subsection 300-8, "Geotextiles for Drainage."

5081-5 ASSEMBLY AND PLACEMENT

- A. Unless otherwise specified in the construction plan, the assembly and placement of gabions must be in accordance with the following procedures:
 - a. Assembly - Rotate the gabion panels into position and join the vertical edges with fasteners for gabion assembly. Where lacing wire is used, wrap the wire with alternating single and double half-hitches at intervals between four (4) to five (5) inches. Where spiral fasteners are used for welded wire mesh, crimp the ends to secure the spirals in place. Where ring type fasteners are used for basket assembly, install the fasteners at a maximum spacing of 6 inches. Use the same fastening procedures to install interior diaphragms where they are required.
 - b. Interior diaphragms will be installed to assure that no open intervals are present that exceed three (3) feet.
 - c. Placement - Place the empty gabions on the foundation and interconnect the adjacent gabions along the top, bottom, and vertical edges using lacing wire, spiral fasteners, or ring fasteners. Wrap the wire with alternating single and double half-hitches at intervals between four (4) to six (6) inches.

Ring fasteners must not be spaced more than six (6) inches apart. Spirals are screwed down at the connecting edges, and then each end of the spiral is crimped to secure it in place. Lacing wire will be used as needed to supplement the interconnection of welded mesh gabions, and the closing of lids.

- d. Interconnect each layer of gabions to the underlying layer of gabions along the front, back, and sides. Stagger the vertical joints between the gabions of adjacent rows and layers by at least one-half of a cell length.
- e. Contractor must modify Gabion baskets as required to conform to field dimensions.

5081-6 FILLING OPERATION

- A. After adjacent empty woven wire gabion units are set to line and grade and common sides properly connected, they must be placed in straight line tension and stretched to remove any kinks from the mesh and to gain a uniform alignment. Staking of the gabions may be done to maintain the established proper alignment prior to the placement of rock. No stakes must be placed through geotextile material.
- B. Internal connecting cross-tie wires must be placed in each unrestrained gabion cell greater than 18 inches in height, including gabion cells left temporarily unrestrained. Two internal connecting wires must be placed concurrently with rock placement, at each 12-inch interval of depth.
- C. In woven mesh gabions, these cross-ties will be placed evenly spaced along the front face and connecting to the back face. All cross-tie wires must be looped around two mesh openings and each wire end must be secured by a minimum of five 180-degree twists around itself after looping.
- D. In welded mesh gabions, these cross-ties or stiffeners will be placed across the corners of the gabions (at 12 inches from the corners) providing diagonal bracing. Preformed hooked wire stiffeners will be used.
- E. The gabions must be carefully filled with rock, either by machine or hand methods, maintaining alignment, avoiding bulges, and providing a compact mass that minimizes voids. Machine placement will require supplementing with hand work to ensure the desired results. The cells in any row must be filled in stages so that the depth of rock placed in any one cell does not exceed the depth of rock in any adjoining cell by more than 12 inches. Along the exposed faces, the outer layer of stone must be carefully placed and arranged by hand to ensure a neat, compact placement with a uniform appearance.
- F. The last layer of rock must be uniformly overfilled 1-2 inches for gabions and 0.5-1 inch for gabion mattresses to allow for rock settlement. Lids must be stretched tight over the rock fill using only approved lid closing tools. The use of crowbars or other single point leverage bars for lid closing is prohibited. The lid must be

stretched until it meets the perimeter edges of the front and end panels. The gabion lid must then be secured to the sides, ends, and diaphragms with spiral binders or lacing wire wrapped with alternating single and double half-hitches in the mesh openings. Ring fasteners spaced not more than six (6) inches apart may be used for lid closure.

- G. Any damage to the wire or coatings during assembly, placement and filling must be repaired promptly in accordance with the manufacturer's recommendations or replaced with undamaged gabion baskets.
- H. After installation of Gabion Baskets and rock material, Contractor must backfill and compact soil material around Gabion assembly to the grades and channel section shown on the plans. Grading must be completed so as to not damage gabion structure or disturb the placement of the Gabion. Damage to the Gabion fabric during installation and grading must be repaired by the Contractor prior to acceptance of the work at no additional cost to the City.

5081-7 MEASUREMENT AND PAYMENT

- A. Measurement and payment for construction and installation of the rock gabions, complete in place, will be made at the Contract unit price bid per linear foot of rock filled gabions constructed as shown in the Bid Schedule.
- B. Measurement and payment for excavation will be made at the Contract unit price bid per cubic yard as shown in the Bid Schedule.
- C. The Contract price and payment is full compensation for furnishing all labor, materials, tools, equipment, transportation and incidentals, and for doing all the work involved and necessary for construction and installation of the rock gabions, complete in place as shown on the plans, as specified in the Standard plans, reference plans, construction details, and these special provisions and as directed by the Engineer except as otherwise provided.

SECTION 5097

DEBRIS FLOW MITIGATION DEVICES

5097-1 **DESCRIPTION**

- F. The work described in this section consists of furnishing all labor, materials, tools, equipment and incidentals necessary for debris flow mitigation devices, including fiber rolls, sandbag barriers, temporary rails, and perforated corrugated metal pipes (CMP) and as directed by the Engineer.

5097-2 **FIBER ROLLS**

- A. Contractor must install 20" diameter fiber rolls as large sediment barriers per Caltrans BMP SC-5 unless otherwise instructed by Engineer.

5097-3 **SANDBAG BARRIERS**

- A. Contractor must install sandbags 8" high or 24" high as mentioned on the project plans or otherwise instructed by Engineer.
- B. Contractor must install a 8" diameter SCH 40 PVC flex pipe for every 24" high sandbag barrier for drainage.

5097-4 **TEMPORARY RAILS**

- A. Contractor must install temporary railing per Caltrans Standard Plan T3A and T3B. The temporary railing must be Type K unless otherwise instructed by Engineer.

5097-5 **PERFORATED CORRUGATED METAL PIPE (CMP)**

- A. Contractor must install 27" galvanized CMP with 5 – 5" perforations unless otherwise instructed by Engineer.
- B. Contractor must connect the new 27" galvanized CMP using a Contech H-6 Hugger Band per manufacturer's installation instructions or Engineer approved equal.

5097-6 **MEASUREMENT AND PAYMENT**

- C. Measurement and payment for Fiber Rolls, complete in place per project plans, will be made at the Contract unit price bid per linear foot as shown in the Bid Schedule.
- D. Measurement and payment for Sandbag Barriers, complete in place per project plans, will be made at the Contract unit price bid per linear foot as shown in the Bid Schedule.

- E. Measurement and payment for Temporary Rails, complete in place per project plans, will be made at the Contract unit price bid per linear foot as shown in the Bid Schedule.
- F. Measurement and payment for Perforated Corrugated Metal Pipe (CMP), complete in place per project plans, will be made at the Contract unit price bid per linear foot as shown in the Bid Schedule.
- G. The Contract price and payment is full compensation for furnishing all labor, tools, equipment, materials, transportation and incidentals, and for doing all the work involved and necessary for construction of fiber rolls, sandbag barriers, temporary rails, perforated corrugated metal pipe (CMP), complete in place, as specified in these Special Provisions, and as directed by the Engineer.

APPENDIX A

Notice to Property Owners/Business Owners/Residents

NOTICE TO PROPERTY OWNERS/BUSINESS OWNERS/RESIDENTS

Date: [Click or tap to enter a date.](#)

In approximately four days, [Click or tap here to enter text.](#), a Contractor for the City of Simi Valley, Department of Public Works, will begin construction on:
SANDY FIRE DEBRIS FLOW MITIGATION PROJECT, GT29800001
Specification No.: SV 27-16

The scope of work for this project includes

A minimum of 48 hours prior to each operation, no parking/driving signs will be placed along affected areas. Barricade signs will be placed on your street with parking and/or driving date restrictions listed for the final resurfacing materials to be placed. In case of inclement weather, it may be necessary to reschedule the Contractor's operation. Typical hours of operation are between 7:30 a.m. and 3:00 p.m.

During this construction, we request your cooperation in find alternative routes away from the construction zone by using other nearby street(s) not under construction. We also request that children refrain from playing in or around the construction zones for their safety.

We regret any inconvenience this work may cause, and we thank you in advance for your cooperation and understanding in assisting us in improving your neighborhood in the most efficient way possible.

Should you have any questions regarding the project, please call:

General Contractor: [Click or tap here to enter text.](#)
[Click or tap here to enter text.](#)
[Click or tap here to enter text.](#)

City Contact: Ashique Khandaker
Senior Engineer / Capital Projects
Department of Public Works
(805) 583-6791

Additional information, including the construction schedule when available, can be found on the City's website under 'Current Capital Projects':

<https://www.simivalley.org/departments/public-works/public-works-engineering/capital-projects>

APPENDIX B

Release on Contract
and
Contractor's Affidavit of Payment

RELEASE ON CONTRACT

PROJECT NAME: SANDY FIRE DEBRIS FLOW MITIGATION PROJECT

SPECIFICATION NO.: SV 27-16

By the terms of the Contract dated _____, entered into by the City of Simi Valley and the undersigned, the Contractor agreed to perform certain work for the compensation specified in said Contract; and

The Contractor represents that the Work is fully completed and that final payment is due to the Contractor under terms of said Contract.

The Contractor releases and forever discharges the City of Simi Valley, its elected and appointed officials, and employees of and from all manner of debts, dues, demands, sum or sums of money, accounts, claims, and causes of action, in law and in equity, under or by virtue of said Contract, except as follows (if none, leave blank):

IN WITNESS WHEREOF, the hand and seal of the Contractor have been hereunto set this _____ day of _____, 20____.

This form must be notarized using proper acknowledgment form (see Civil Code Sections 1189 and 1190).

Contractor

By

Title

By

Title

CONTRACTOR'S AFFIDAVIT OF PAYMENT

PROJECT NAME: SANDY FIRE DEBRIS FLOW MITIGATION PROJECT

SPECIFICATION NO.: SV 27-16

DATE: _____

The undersigned hereby certifies that all workers, and persons employed, all firms supplying materials, and all subcontractors working on the above named project have been paid in full, and there are no bills, invoices, or obligations outstanding against the project for either labor, materials, or equipment furnished except for the following disputed claims for which Notices to Withhold have been filed under the provisions of the Code of Civil Procedure: (If none, leave blank) _____

_____.

IN WITNESS WHEREOF, the hand and seal of the Contractor have been hereunto set this _____ day of _____, 20 _____.

This form must be notarized using proper acknowledgment form (see Civil Code Sections 1189 and 1190).

Contractor Name:

By: _____
Signature of Authorized Representative

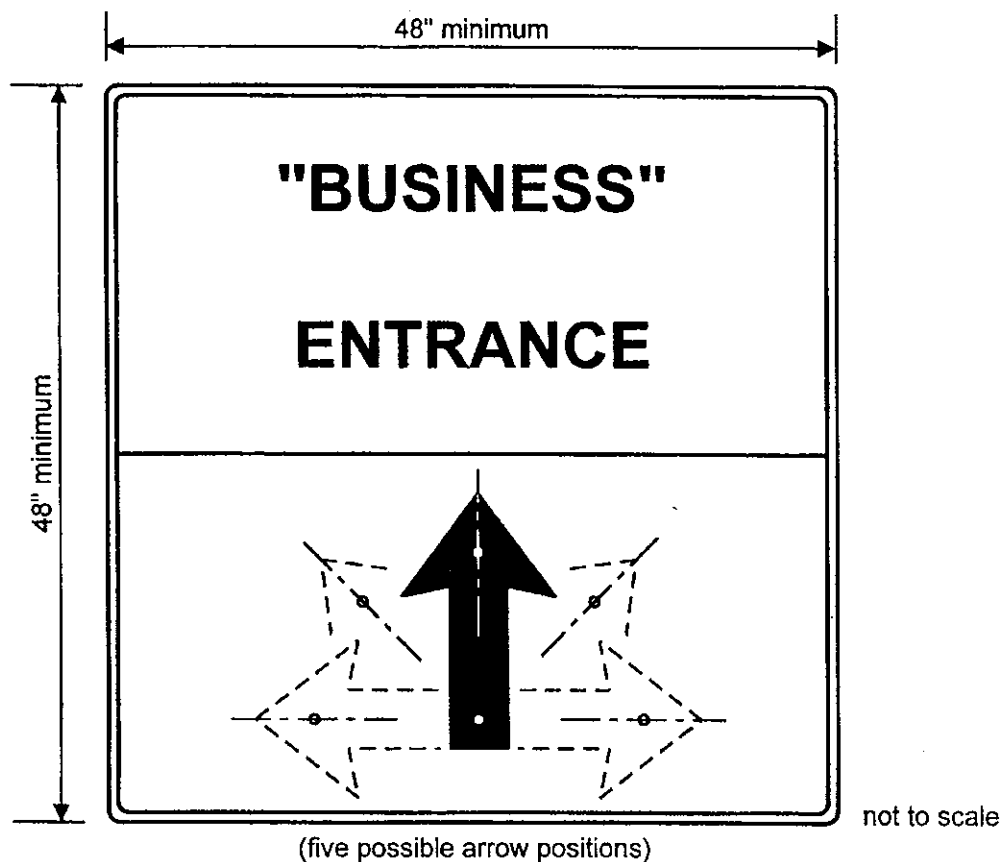
Title: _____

By: _____
Signature of Authorized Representative

Title: _____

APPENDIX C

Traffic Control Exhibits



FABRICATION NOTES:

1. Black letters and borders on orange non-reflective background.
2. 6" capital letters and numerals for business names.
3. 8" capital letters for the word "ENTRANCE".
4. 5" space between lines.
5. 6½" minimum space between border and letters.
6. ½" black border with 1½" corner radius.
7. Sign back may be plywood and may be mounted on a Type II barricade.
8. Black arrow, size per G36-2 sign, shall be rotatable to vertical, 45° left and right, and 90° left and right with six predrilled holes and two bolts, each sign.
9. Ten (10) signs will be needed.
10. All BUSINESSES/ENTRANCE signs are to be turned over to the City at the end of the project.

Simi Valley

Department of Public Works

TRAFFIC ENGINEERING

JOB TITLE:

TEMPORARY BUSINESS ENTRANCE SIGN

PROJECT NO.: SV 97-01

PLAN NO.:

SHEET NO. 1 OF 1

DESIGNED: D. L.

CHECKED: H. H.

DATE: 3 - 6 - 97

TOW AWAY

NO

DATE: _____ DAY: _____

TIME: _____

PURPOSE: _____

PARKING

ANY

TIME

CVC 22651 SVMC 7220 & 7235

FOR TOWED VEHICLES

PHONE SVPD 805-583-6950

APPENDIX D

Standard Plates, Details and Forms



Standard Symbol

BMP Objectives	
Soil Stabilization	☒
Sediment Control	☒
Tracking Control	☐
Wind Erosion Control	☐
Non-Stormwater Management	☐
Materials and Waste Management	☐

Definition and Purpose

A fiber roll consists of wood excelsior, rice or wheat straw, or coconut fibers that is rolled or bound into a tight tubular roll and placed on the toe and face of slopes to intercept runoff, reduce its flow velocity, release the runoff as sheet flow and provide removal of sediment from the runoff. Fiber rolls may also be used for drainage inlet protection and as check dams under certain situations.

Appropriate Applications

This BMP may be implemented on a project-by-project basis with other BMPs when determined necessary and feasible by the RE.

Fiber rolls may be applied as both temporary and permanent sediment controls.

Along the toe, top, face, and at grade breaks of exposed and erodible slopes to shorten slope length and spread runoff as sheet flow.

Below the toe of exposed and erodible slopes.

Fiber rolls may be used as check dams in unlined ditches or as temporary drainage inlet protection Down-slope of exposed soil areas.

Around temporary stockpiles.

Along the perimeter of a project.

Limitations

Runoff and erosion may occur if fiber roll is not adequately trenched in.

Fiber rolls at the toe of slopes greater than 5:1 (H:V) may require the use of a large sediment barrier as specified in Standard Specifications Section 13-10.03D Temporary Large Sediment Barrier or installations achieving the same protection (i.e., stacked smaller diameter fiber rolls, etc.).

Difficult to move once saturated.

Fiber rolls could be transported by high flows if not properly staked and trenched in.

Fiber rolls have limited sediment capture zone.

Do not use fiber rolls on slopes subject to creep, slumping, or landslide.

Plastic netting should not be used when regulatory permits prohibit their use or if there is a potential for plastic netting to endanger wildlife.

Plastic netting is only allowed where fiber rolls will be for short duration and will be removed.

Standards and Specifications

Materials

Fiber rolls must be premanufactured and filled with weed-free rice or wheat straw, wood excelsior, or coconut fiber. Fiber roll must be covered with biodegradable jute, sisal, or coir fiber netting secured tightly at each end.

Fiber rolls must have a minimum functional longevity of 1 year.

Fiber rolls must be:

- 8 to 10 inches in diameter and at least 1.1 lb/ft
- 10 to 12 inches in diameter and at least 3 lb/ft

Large sediment barriers are a subset of fiber rolls. Large sediment barriers must be:

- 18 to 22 inches in diameter
- At least 8 ft in length
- At least 6.5 lb/ft

Fiber rolls used within the jurisdiction of the Lahontan RWQCB must be made entirely of biodegradable materials if the project is near an ESA area, they are intended to be left in place after construction is completed or there are regulatory permits prohibiting the use of non-photo/biodegradable fiber rolls.

Submit a Certificate of Compliance for fiber rolls.

Rope to fasten fiber rolls must be 1/4 inch in diameter and biodegradable, such as sisal or manila.

Wood stakes must be untreated fir, redwood, cedar, or pine and cut from sound timber. The ends must be pointed for driving into the ground. Notched stakes must be at least 1 by 2 by 24 inches in size. Stakes without notches must be at least 1 by 1 by 24 inches.

Typical Fiber Roll Installation

Before installing fiber roll, remove obstructions from the ground, including rocks, clods, and debris greater than 1 inch in diameter.

For any 20-foot section of fiber roll, prevent the fiber roll from varying more than 5 percent from level.

Use the following spacing unless otherwise noted on the project plans or special provisions:

- 10 feet apart for slopes steeper than 2:1 (H:V)
- 15 feet apart for slopes from 2:1 to 4:1 (H:V)
- 20 feet apart for slopes from 4:1 to 10:1 (H:V)
- 50 feet apart for slopes flatter than 10:1 (H:V)

For Type 1 installations:

- Place in a furrow that is from 2 to 4 inches deep.
- Fasten with wood stakes every 4 feet along the length of the fiber roll.
- Fasten the ends of the fiber roll by placing a stake 6 inches from the end of the roll.
- Drive the stakes into the soil so the top of the stake is less than 2 inches above the top of the fiber roll.

For Type 2 installations:

- Fasten with notched wood stakes and rope.
- Drive stakes into the soil until the notch is even with the top of the fiber roll.
- Lace the rope between stakes and over the fiber roll. Knot the rope at each stake.
- Tighten the fiber roll to the surface of the slope by driving the stakes further into the soil.

If more than one fiber roll is placed in a row, the rolls should be overlapped; not abutted. Stagger overlapping joints in adjacent rows by 5 to 10 feet.

Typical Large Sediment Barrier Installation

Place a single row of fiber rolls end-to-end, approximately parallel with the slope contour. For any 20-foot section of fiber roll, do not allow the fiber roll to vary by more than 5 percent from level.

Place the fiber rolls in a furrow that is from 6 to 8 inches deep.

Secure the fiber rolls with wood stakes 4 feet apart.

Place a stake 18 inches from each end of each fiber roll.

Drive the stakes into the soil such that the top of the stakes are less than 2 inches above the top of the fiber rolls.

Angle the last 6 feet upslope at the downhill end of the run.

Removal

For permanent installations, do not remove fiber rolls. Fiber rolls will degrade over time, while underlying soils are stabilized by other BMPs.

For temporary installations, remove fiber rolls, collect and dispose of sediment accumulation, and fill and compact holes, trenches, depressions or any other ground disturbance to blend with adjacent ground.

Maintenance and Inspection

Remove sediment from behind the fiber roll if sediment is 1/3 of fiber roll height above ground.

Repair or adjust the fiber roll if rills or other evidence of concentrated runoff occur beneath the fiber roll.

Repair or replace the fiber roll if they become split, torn, or unraveled.

Add stakes if the fiber roll slumps or sags.

Replace broken or split wood stakes.

Remove sediment deposits, trash, and debris from fiber roll as needed. If removed sediment is deposited within project limits, it must be stabilized and not exposed to erosion by wind or water.

Perform maintenance as needed or as required by the RE or CGP or LTCGP requirements.

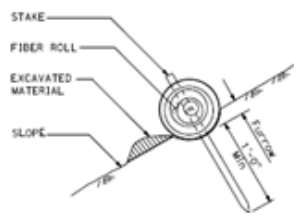
Inspect fiber rolls before and following rainfall events and at least daily during prolonged rainfall. Perform maintenance as needed or as required by the RE.

Maintain fiber rolls to provide an adequate sediment holding capacity and runoff velocity reduction.

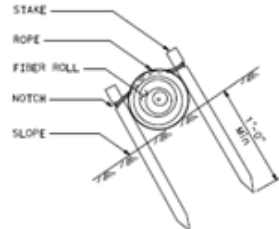
Fiber roll placement must be shown on the WPCDs.

SWPPP or WPCP

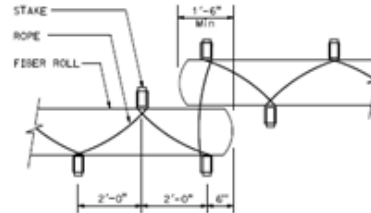
Fiber rolls must be discussed in Section 500.3 of the SWPPP or Section 30.2 of the WPCP.



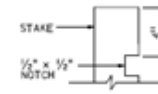
SECTION
TEMPORARY FIBER ROLL
(TYPE 1)



SECTION
TEMPORARY FIBER ROLL
(TYPE 2)



PLAN
TEMPORARY FIBER ROLL
(TYPE 2)



ELEVATION
STAKE NOTCH DETAIL

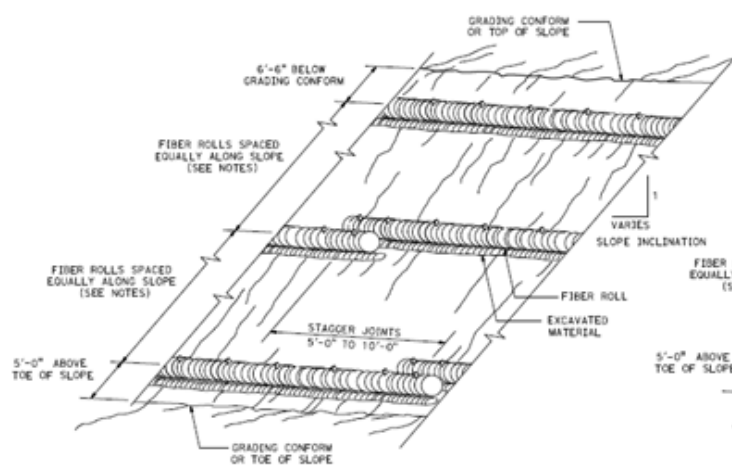
SHEET	COUNTY	ROUTE	POST MILES	SHEET
			TOTAL PROJECT	

Robert D. Smith
LICENSED LANDSCAPE ARCHITECT

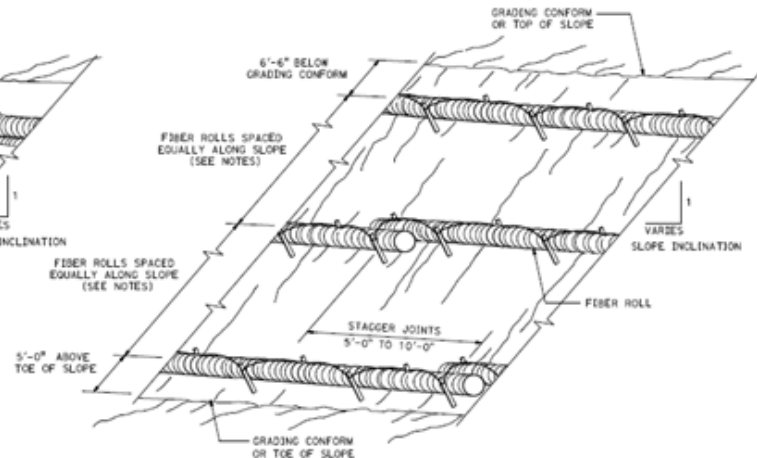
October 30, 2015
PROJECT APPROVAL DATE

THE STATE OF CALIFORNIA, BY ITS OFFICIALS,
OR AGENTS, SHALL NOT BE RESPONSIBLE FOR
THE ACCURACY OR COMPLETENESS OF ANY
COPIES OF THIS PLAN SHEET.

- NOTES:**
1. Temporary fiber roll spacing varies depending upon slope inclination.
 2. Installations shown in the perspectives are for slope inclination of 10:1 and steeper.



PERSPECTIVE
TEMPORARY FIBER ROLL (TYPE 1)



PERSPECTIVE
TEMPORARY FIBER ROLL (TYPE 2)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**TEMPORARY WATER POLLUTION
CONTROL DETAILS
(TEMPORARY FIBER ROLL)**

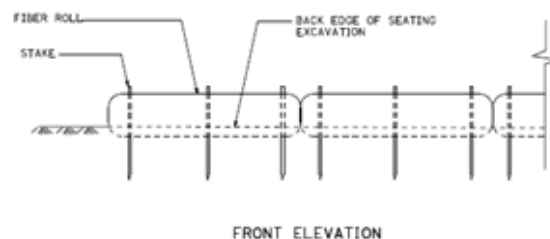
NO SCALE

T56

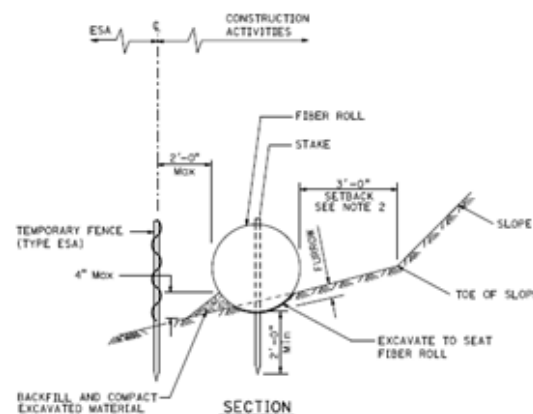
SHEET	COUNTY	ROUTE	POST MILES	SHEET
			TOTAL PROJECT	
<i>Robert D. Smith</i> LICENSED LANDSCAPE ARCHITECT				
October 30, 2015 PLEASE APPROVAL DATE				
THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION AND AGENCIES SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.				

NOTES:

1. Temporary fence (Type ESA) shown for reference purposes only.
2. Setback dimension may vary according to field conditions or as designated on plans.



TEMPORARY LARGE SEDIMENT BARRIER



**PLACEMENT DETAIL
FOR TEMPORARY FENCE (TYPE ESA)
USED WITH TEMPORARY LARGE SEDIMENT BARRIER**

(See Note 1)

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

**TEMPORARY WATER POLLUTION
CONTROL DETAILS
(TEMPORARY LARGE SEDIMENT BARRIER)**

NO SCALE

T66

Sandbag Barrier



BMP Objectives	
Soil Stabilization	☐
Sediment Control	☒
Tracking Control	☐
Wind Erosion Control	☐
Non-Stormwater Management	☐
Materials and Waste Management	☐

Definition and Purpose

A sandbag barrier is a temporary linear sediment barrier that consists of stacked sandbags designed to intercept and slow the flow of sediment-laden sheet flow runoff. Sandbag barriers allow sediment to settle from runoff before water leaves the construction site.

Appropriate Applications

- Along the perimeter of a site.
- Along streams and channels.
- Below the toe of exposed and erodible slopes.
- Down slope of exposed soil areas.
- Around stockpiles.
- Across channels to serve as a barrier for utility trenches or provide a temporary channel crossing for construction equipment, and to reduce stream impacts in accordance with the approved Temporary Creek Diversion Plan.
- Parallel to a roadway to keep sediment off paved areas.
- At the top of slopes to divert roadway runoff away from disturbed slopes.
- To divert or direct flow or create a temporary sediment/desilting basin.
- During construction activities, in stream beds when the contributing drainage area is less than 5 acres.
- When extended construction period limits the use of either silt fences or straw bale barriers.
- Along the perimeter of vehicle and equipment fueling and maintenance areas or chemical storage areas.

- To capture and detain non-stormwater flows until proper cleaning operations occur.
- When site conditions or construction sequencing require adjustments or relocation of the barrier to meet changing field conditions and needs during construction.
- To temporarily close or continue broken, damaged, or incomplete curbs.

Standards and Specification

Materials

- **Sandbag Material:** Sandbags can be woven polypropylene, polyethylene, or polyamide fabric with (1) a minimum unit weight of 4 ounces per square yard, (2) mullen burst strength exceeding 300 pounds per square inch in conformance with the requirements in ASTM designation D3786, and (3) ultraviolet stability exceeding 70 percent in conformance with the requirements in ASTM designation D4355. Use of burlap is not acceptable.
- **Sandbag Size:** Each sand-filled bag should be 18 inches long, 12 inches wide, and 3 inches thick, and have a mass of approximately 33 pounds. Bag dimensions are nominal and may vary based on locally available materials. Alternative bag sizes must be submitted to the RE for approval prior to deployment.
- **Fill Material:** All sandbag fill material can be non-cohesive, Class 1 or Class 2 permeable material free from clay and deleterious material, conforming to the provisions in Standard Specifications Section 47-2.02D – “Permeable Material.” The requirements for the Durability Index and Sand Equivalent do not apply. Fill material is subject to approval by the Resident Engineer (RE).

Installation

- When used as a linear sediment control:
 - Install along a level contour.
 - Turn ends of sandbag row upslope to prevent flow around the ends.
 - Generally, sandbag barriers may be used in conjunction with temporary soil stabilization controls upslope to provide effective erosion and sediment control.
- Construct sandbag barriers with a setback of at least 3 feet from the toe of a slope. Where it is determined to be not practical due to specific site conditions, the sandbag barrier may be constructed at the toe of the slope, but should be constructed as far from the slope toe as practicable.

Limitations

- Limit the drainage area upstream of the barrier to 5 acres.
- Degraded sandbags may rupture when removed, spilling sand.
- Installation can be labor intensive.
- Limited durability for long-term projects.
- When used to detain concentrated flows, maintenance requirements increase.

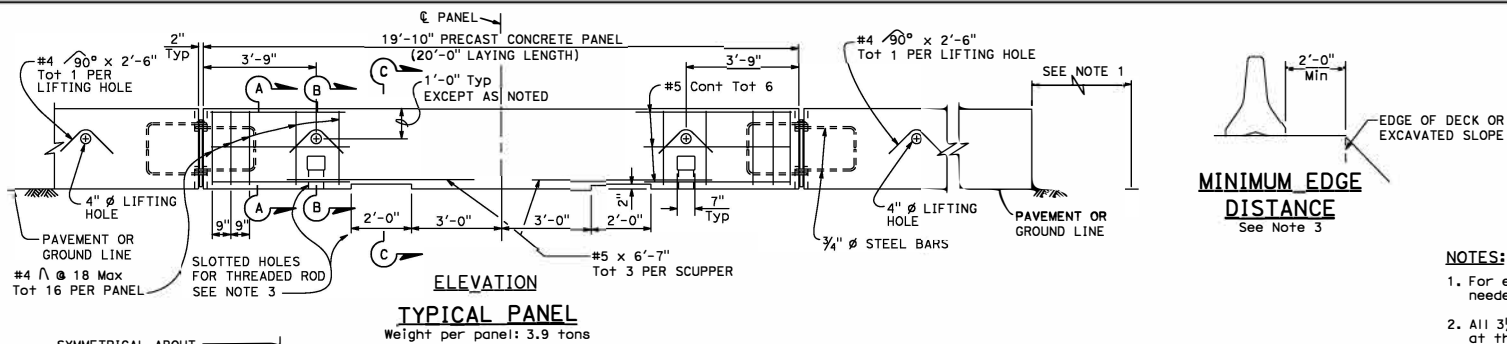
- Consider using gravel bags whenever possible since they often do not require as much maintenance or impact wildlife when used near environmentally sensitive areas.

Maintenance and Inspection

- Inspect sandbag barriers before and after each rainfall event, and weekly year-round.
- Reshape or replace sandbags as needed, or as directed by the RE.
- Repair washouts or other damages as needed, or as directed by the RE.
- Inspect sandbag barriers for sediment accumulations and remove sediments when accumulation reaches one-third the barrier height. Removed sediment can be incorporated in the project at locations designated by the RE or disposed outside the highway right of way in conformance with the Standard Specifications 14-10.
- Remove sandbags when no longer needed. Remove sediment accumulation and clean, re-grade, and stabilized the area. No sandbags should be left in place after construction activities are complete.

SWPPP or WPCP

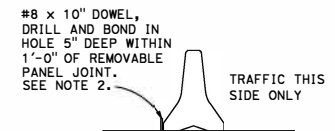
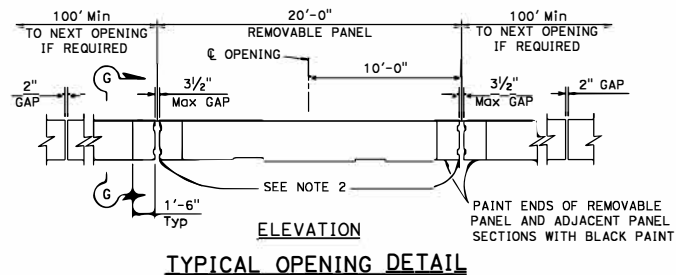
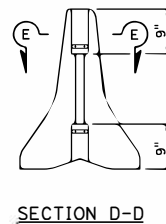
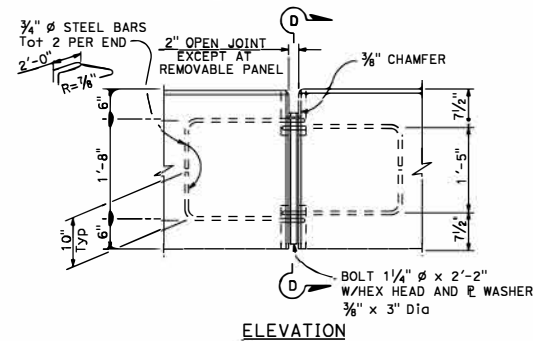
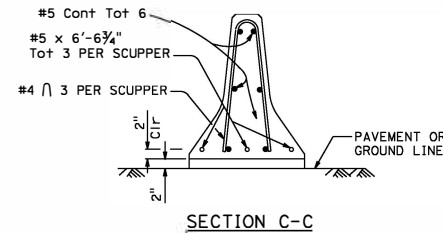
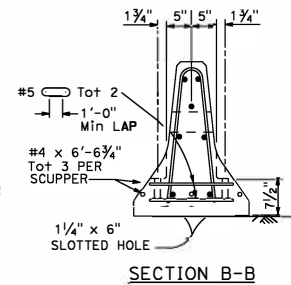
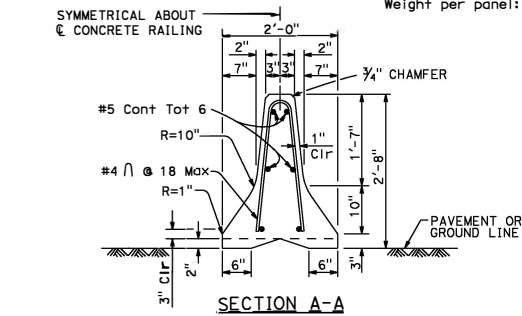
- Sandbag barriers must be discussed in Sections 600.1.1 and 600.1.3 of the SWPPP or Section 30.2.2 of the WPCP.



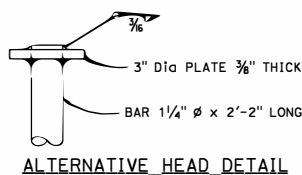
DIST	COUNTY	ROUTE	POST MILES	SHEET TOTAL
			TOTAL PROJECT	NO. SHEETS
Malik Rehman REGISTERED CIVIL ENGINEER September 19, 2025 PLANS APPROVAL DATE THE STATE OF CALIFORNIA ON ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET. Malik Rehman No. C83390 Exp. 3-31-27 CIVIL STATE OF CALIFORNIA				

NOTES:

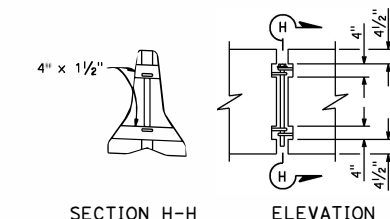
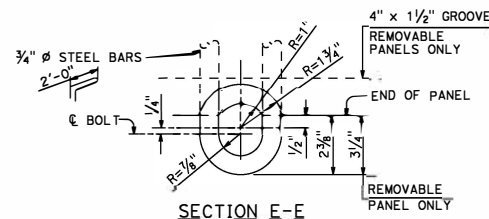
- For end treatment, layout and crash cushions, where needed, see Project Plans or Special Provisions.
- All 3/2" gaps at removable panels are to be backed at the base with #8 x 10" dowel or 1" Ø pin each side of joint, see Section G-G.
- Where the offset distance from the exposed edge of deck to the closest edge of the temporary railing is less than 2'-0", attach each panel to deck slab with 1" diameter threaded rods (total four per panel) inserted through the slotted holes of the panel and bond in drilled holes 6" deep in the deck slabs. See "Bridge Memo to Designers" manual.



* Section G-G is for concrete pavement. Alternative detail, 1" Ø pins 2'-0" long driven in existing AC or HMA.



BOLT CONNECTION DETAIL



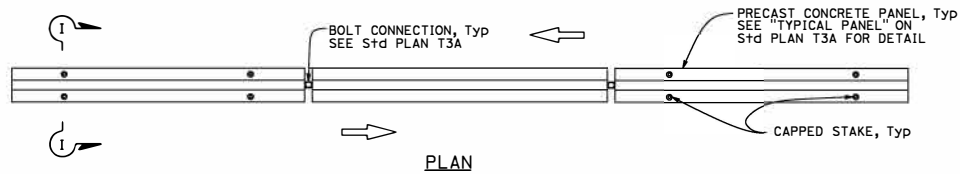
REMOVABLE PANEL GROOVE DETAILS

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

TEMPORARY RAILING (TYPE K)

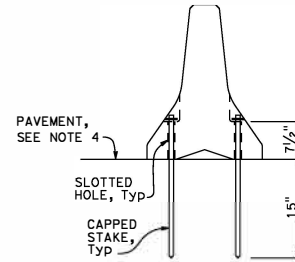
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T3A

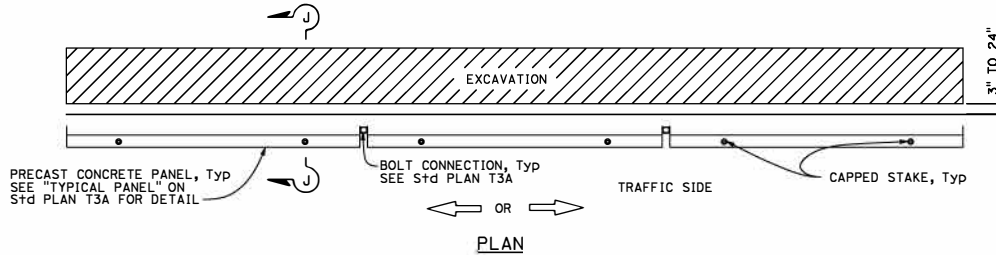


RAILING STAKING CONFIGURATION FOR TWO-WAY TRAFFIC

See Note 2

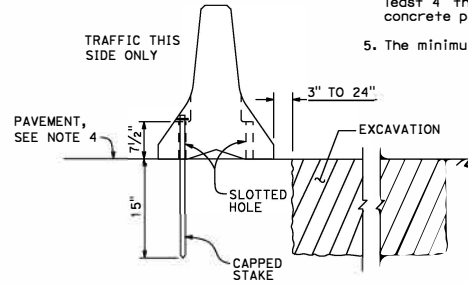


SECTION I-I

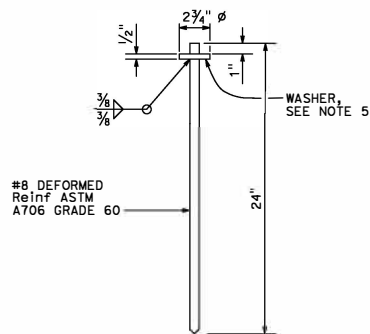


RAILING STAKING CONFIGURATION ADJACENT TO AN EXCAVATION

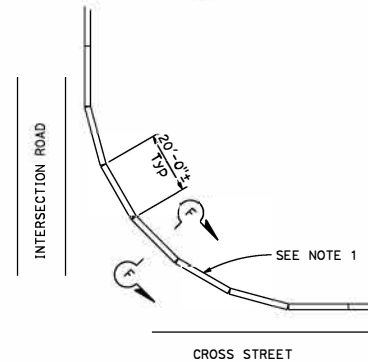
See Note 3



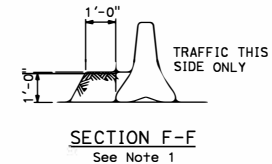
SECTION J-J



CAPPED STAKE DETAIL



CURVED LAYOUT



SECTION F-F

See Note 1

STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION TEMPORARY RAILING (TYPE K)

NO SCALE

T3B

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS

Malik Rehman
 REGISTERED CIVIL ENGINEER
 September 19, 2025
 PLANS APPROVAL DATE: _____
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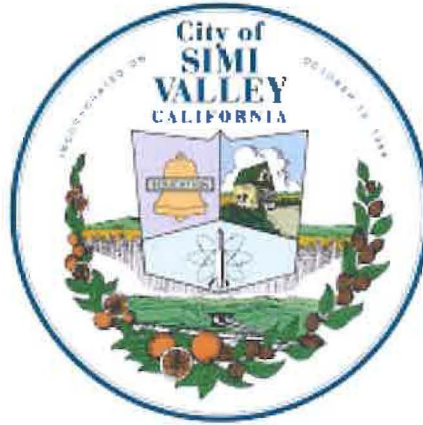
REGISTERED PROFESSIONAL ENGINEER
 Malik Rehman
 No. C83390
 Exp. 3-31-27
 CIVIL
 STATE OF CALIFORNIA

NOTES:

- Where Type K temporary railing is placed on curves and radii that are too severe to connect panels with bolted joints, the railing must be backed continuously with earth fill. See Section F-F.
- Where Type K temporary railing is placed as a temporary or long term barrier in two-way traffic on highways with less than 24" from the edge of traveled way, use four capped stakes per every other panel with end panels staked.
- Where Type K temporary railing is placed 3" to 24" from the edge of an excavation on highways, use two capped stakes per panel along the traffic side.
- Staked Type K temporary railing must be supported by at least 4" thick concrete, hot mix asphalt or existing asphalt concrete pavement.
- The minimum yield strength for the washer must be 60,000 psi.

APPENDIX E

Quality Assurance Program (QAP)



CITY OF SIMI VALLEY
QUALITY ASSURANCE PROGRAM (QAP)

DEPARTMENT OF PUBLIC WORKS
2929 TAPO CANYON ROAD
SIMI VALLEY, CALIFORNIA 93063
(805) 583-6786

This program provides quality assurance guidelines for materials used in Federal-aid projects and other designated projects within the City of Simi Valley.

APPROVED BY:

Ronald K. Fuchiwaki, PE
Public Works Director
City of Simi Valley



11/18/24
Date

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Appendix 1 – Testing & Frequency Tables, Caltrans *LAPM Exhibit 16-R*

Appendix 2 – Acceptance Testing Results Summary Log, Caltrans *LAPM Exhibit 16-Z2*

Appendix 3 – COC Materials Acceptance, Caltrans, Caltrans *LAPM Exhibit 16-T1*

Appendix 4 – COC Materials Acceptance, Greenbook, Caltrans *LAPM Exhibit 16-T2*

Appendix 5 – Materials Certificate, Caltrans *LAPM Exhibit 17-G*

Appendix 6 – Caltrans Test Method/ASTM Test Method Conversion Chart, Caltrans *LAPM Exhibit 16-S*

CITY OF SIMI VALLEY
QUALITY ASSURANCE PROGRAM (QAP)

1. PURPOSE AND SCOPE

The purpose of this Quality Assurance Program (QAP) is to provide assurance that the materials incorporated into construction projects are in conformance with the contract specifications. This QAP is intended to be used for routine Federal-aid and other designated projects located off the State Highway System (SHS) within the City of Simi Valley (City). This QAP will be updated every 5 years.

2. DEFINITION OF TERMS

Acceptance Testing (AT) – Sampling and testing, or inspection, to determine the degree of compliance with contract requirements.

Independent Assurance Program (IAP) – Verification that AT is being performed correctly by qualified testers and laboratories.

Quality Assurance Program (QAP) – A sampling and testing program that will provide assurance that the materials and workmanship incorporated into the construction project are in conformance with the contract specifications. The main elements of a QAP are the AT, and IAP.

Source Inspection – AT of manufactured and prefabricated materials at locations other than the job site, generally at the manufactured location.

3. VARIATIONS FOR PROJECTS ON THE SHS AND NHS

When transportation projects are constructed on the National Highway System (NHS), it is required by federal regulations that each State Transportation Department, including the California Department of Transportation (Caltrans) has a QAP that meets federal requirements. The project variations may be summarized as follows.

3.1 On the SHS and On the NHS – Use Caltrans QAP and IAP

In accordance with Chapter 16.11 of the Caltrans *Local Assistance Procedures Manual (LAPM 16.11)* the City is required to adopt the Caltrans QAP for projects on the SHS. The Caltrans QAP and IAP are detailed in the following manuals and guides.

- Caltrans Construction Manual
(<https://dot.ca.gov/programs/construction/construction-manual>)
- Caltrans Independent Assurance (IA) Manual
(<https://dot.ca.gov/programs/engineering-services/independent-assurance-program>)
- Construction Manual Supplement for Local Agency RE's
(<https://dot.ca.gov/-/media/dot-media/programs/construction/documents/policies-procedures-publications/construction-manual/cm-supplement-lare-a11y.pdf>)

The Caltrans *Construction Manual* provides the frequency of AT and outlines the AT program. The Caltrans IA Manual details the Caltrans Independent Assurance Program to be followed that has been approved by FHWA.

Additionally, the current Caltrans *Standard Plans and Specifications* must be part of the Plans, Specifications and Estimate. Test methods used must be specified in the Caltrans *Standard Plans and Specifications* and the project *Special Provisions*.

3.2 Off the SHS and Off the NHS – Use This Local QAP and IAP

For federally or locally funded projects off the NHS and off the SHS, the City has adopted this local QAP created in accordance with the *LAPM 16.11*.

3.3 Off the SHS and On the NHS – Use Caltrans or Greenbook

For federally funded projects off the SHS and on the NHS, in accordance with *LAPM 16.11*, the City must use the current Caltrans or *Standard Plans and Specifications for Public Works Construction (Greenbook)*, and it must be specified in the contract documents. If the contract documents specify Caltrans *Standard Plans and Specifications*, refer to Section 3.1. If the contract documents specify *Greenbook*, refer to Section 3.2. This local QAP is in general conformance with *Greenbook* required AT. However, if not specified herein, the most recent *Greenbook* publication should be consulted for additional materials testing and acceptance requirements.

4. MATERIALS ACCEPTANCE PROGRAM

Materials incorporated into the construction of City street improvements shall meet the requirements of this Materials Acceptance Program, as specified in the contract specifications and this document. The Materials Acceptance Program requirements are detailed in this section.

4.1 Acceptance Testing of Unprocessed and Processed Soils and Aggregates

AT will be performed by a private consultant materials laboratory chosen by the City that is certified to perform the required tests. The test results will be used to ensure that all materials incorporated into the project are in compliance with the contract specifications.

The acceptance of processed and unprocessed soils and aggregates includes verification sampling, testing, and inspection, and, in special cases, may include the results of quality control sampling and testing. Examples of unprocessed materials include sand, rip rap, subgrade, and embankment and backfill materials. Examples of processed materials include aggregates, bases, PCC, and HMA. The required AT is dependent on the project plans and specifications and is summarized in Sections 4.1.1, 4.1.2 and 4.1.3.

4.1.1 Acceptance Testing Standards for Projects on the SHS

Testing and sampling methods will be in accordance with the Caltrans *Standard Plans and Specifications*, and the project *Special Provisions*, using Caltrans Test Methods (CTM) unless otherwise specified in the project specifications. Sample locations and frequencies will be made in accordance with the Caltrans *Construction Manual*, Chapter 6, available at the referenced web address in Section 3.1. As a general guideline, for projects on the SHS, the required AT testing includes the following:

- Aggregate Base - Sieve Analysis, Sand Equivalent, R-Value, and Durability for each new source.
- Aggregate Subbase - Sieve Analysis, Sand Equivalent, and R-Value.

- Asphalt Concrete - Sieve Analysis for aggregate sampled at the plant. Asphalt content, Maximum Density and In-Place Density for asphalt concrete sampled at the site (A Certificate of Compliance may be accepted for Liquid Asphalt).
- Soil - Maximum Density, In-Place Density (relative compaction) at the site.
- Portland Cement Concrete - Sieve Analysis for aggregate sampled at the plant (A Certificate of Compliance may be accepted for aggregate cleanliness value, aggregate sand equivalent, specific gravity, percentage wear, soundness, admixtures, and Portland cement concrete, compressive strength [cylinders], and for Portland cement concrete sampled at the site, slump, and air content).

4.1.2 Acceptance Testing Standards for Projects off the SHS and off the NHS

Testing and sampling methods will be in accordance with CTM, AASHTO, or ASTM methods, as specified in the project specifications. Sample locations and frequencies may be in accordance with the project specifications. If not specified in the project specifications, samples shall be taken at the locations and frequencies as shown in Appendix 1, *LAPM Exhibit 16-R* and in accordance with *Greenbook*. Testing and testing frequencies may be modified in writing by the Director of Public Works. A conversion chart for Caltrans test methods to ASTM test methods is presented in Appendix 6, *LAPM Exhibit 16-S*.

As a general guideline, for projects off the SHS and off the NHS, the required AT testing includes the following:

- Aggregate Base - Sieve Analysis, Sand Equivalent, R-Value, and Durability for each new source.
- Aggregate Subbase - Sieve Analysis, Sand Equivalent, and R-Value.
- Asphalt Concrete - Sieve Analysis, Asphalt content, Maximum Density, and In-Place Density for asphalt concrete sampled at the site (a COC may be accepted for Liquid Asphalt).
- Soil - Maximum Density, In-Place Density (relative compaction) at the site.
- Portland Cement Concrete – Slump and compressive strength (cylinders) sampled at the site.

4.1.3 Acceptance Testing Standards for Projects off the SHS and on the NHS

AT for projects off the SHS and on the NHS may be in conformance with either Caltrans or *Greenbook*, and shall be specified in the contract documents. For AT to be in conformance with Caltrans, refer to Section 4.1.1. For AT to be in conformance with *Greenbook*, refer to Section 4.1.2.

4.2 Responsibilities of the Resident Engineer (RE)

It is the responsibility of the City Resident Engineer (RE) to ensure the correct criteria is used to determine if the material passed or failed. The passing criteria is found in the contract specifications, but in some cases, the specifications allow the contractor to submit mix designs which establish the criteria.

The RE must ensure the correct test method is used as specified in the contract. CTM, AASTHO or ASTM methods are all acceptable test methods. The test method to be used must be specified in the contract documents at bid time.

The RE must ensure that field personnel who perform tests for compliance with the specifications are certified to conduct the test method indicated by the contract.

4.3 Acceptance Testing Laboratory

The City will use a private consultant materials laboratory to perform AT. The materials laboratory shall possess a current certificate of qualification and shall be under the responsible management of a California Registered Professional Engineer with experience in sampling, inspection and testing of construction materials. The Engineer shall certify the results of all tests performed by laboratory personnel under the Engineer's supervision.

The materials laboratory used shall provide documentation that the laboratory complies with the following procedures:

- 1) **Correlation/Proficiency Testing Program** - The materials laboratory shall be a participant in one or more of the following testing programs:
 - AASHTO Materials Reference Laboratory (AMRL)
 - Cement and Concrete Reference Laboratory (CCRL)
 - Caltrans' Reference Samples Program (RSP)
- 2) **Certification of Laboratory/Personnel** - The materials laboratory shall be accredited and employ personnel who are certified by California Department of Transportation (Caltrans) or other nationally recognized non-Caltrans organizations, such as the American Concrete Institute (ACI), Asphalt Institute, National Institute of Certification of Engineering Technologies, etc.
- 3) **Laboratory and Testing Equipment Calibration** - The materials laboratory and personnel must calibrate field testing equipment prior to use on construction projects and re-calibrate as frequently as required. The maximum interval between calibrations is one year unless otherwise noted in the associated test method requiring a more frequent interval. Calibration of test equipment must conform to Section 6-3 of the Caltrans *Construction Manual*. Upon proper calibration, a decal must be firmly affixed to each piece of calibrated equipment. The nuclear gauges used by AT personnel must be calibrated on National Institute for Standards and Technology (NIST) traceable blocks and have current calibration stickers.

4.4 Timely Reporting of Acceptance Testing Results

Laboratory test results shall be reported as soon as practical as allowed by the specific test procedure. In general, the following are time periods for reporting material test results to the RE:

- 1) When the aggregate is sampled at material plants, test results for Sieve Analysis, Sand Equivalent and Cleanness Value should be submitted to the RE within 24 hours after sampling. If collected at the project site, results should be submitted to the RE within 72 hours after sampling.
- 2) When materials are sampled at the job site, test results for relative compaction and maximum density should be submitted to the RE within 48 hours after sampling. Test results for "R" Value and asphalt concrete extraction (oil content) should be submitted to the RE within 96 hours after sampling.

When sampling products such as Portland Cement Concrete (PCC), cement-treated base (CTB), hot mix asphalt (HMA), and other such materials; the time of such sampling shall be varied with respect to the time of the day insofar as possible, in order to avoid a predictable sampling routine.

4.5 Test Data and Summary Logs

The RE must keep a test results summary log for each test method performed more than once. Use *LAPM* Exhibit 16-Z2, presented herein in Appendix 2. On larger projects, it may be necessary to keep multiple logs for the same test method, broken out by salient features such as “compaction tests performed on the roadway structural section” on one log, and those “performed on structural backfill” on a separate log.

4.6 Failing Tests

Whenever failing tests occur, sufficient additional acceptance tests must be taken to isolate the affected work. Documentation of the results of such additional tests must be included in the records, including a description of the corrective measures taken. Corrective action or retesting of failing tests must be noted in the remarks column of the test summary log. Documentation of the reason that materials represented by failing tests were incorporated into the project must be in the project files.

4.7 Mix Design Approval and Checking

Mix designs must be submitted by the Contractor and include the name of the material plant, the product name, a mix design ID number, and item of work in which it is to be used. The RE must review and approve the mix design in writing. A copy of the approved mix design must be placed in the files. Field inspectors must verify that the mix delivered to the job site matches the approved mix design. The inspector must place a check mark adjacent to the mix ID shown on the batch ticket. Batch tickets are to be collected at the point of delivery to the jobsite.

4.8 Acceptance of Minor Quantities without Testing

Relatively minor quantities of construction materials may be accepted without testing provided the following three conditions are met:

- 1) Visual examination of the material is performed.
- 2) The manufacturer or supplier has recently furnished similar materials found to be satisfactory using normal sampling and testing requirements.
- 3) The manufacturer (or supplier in the case of HMA or concrete) provides certification that the material furnished complies with the contract specifications.

The following list suggests approximate maximum quantities of materials that may be accepted under the conditions indicated above:

- 1) Aggregates other than for use in Portland Cement Concrete; not to exceed 100 tons per day nor more than 500 tons per project.
- 2) Bituminous mixtures (includes HMA); not to exceed 50 tons per day (sample at RE’s discretion if project total is less than 500 tons).
- 3) Bituminous materials (includes asphalt); not to exceed 100 gallons per project.

The RE must keep a summary log of all construction materials that were accepted without testing based on the conditions described in this section. The summary log presented in Appendix 2 may be used.

4.9 Acceptance of Manufactured or Fabricated Materials

The acceptance of manufactured and fabricated materials is most frequently based on one of the following 3 methods:

Source Inspection

As an alternative to a Certificate of Compliance (COC), the City or its consultant may perform a source inspection in accordance with the Caltrans *LAPM 16.11*, beginning on page 42. The RE must inspect the material upon arrival to be sure it meets the requirements of the project specifications. The RE must obtain and file the source inspectors report.

Materials Accepted on the Basis of Authorized Materials List

The Caltrans *Standard Specifications* identifies some materials that must be on an authorized materials list. The list is available at: <https://dot.ca.gov/programs/engineering-services/authorized-materials-lists>. For contracts using the Caltrans *Standard Plans and Specifications* the RE must verify the materials furnished are shown on the appropriate authorized materials list before the material is used on the project. Materials shown on the authorized materials list may also require a certificate of compliance or sampling and testing for acceptance.

Materials Accepted by Certificate of Compliance (COC)

The City may accept manufactured products, materials, or assemblies if accompanied by a COC provided they do not involve structural integrity or public safety. Such certificates shall be signed by the manufacturer and shall state that the materials and workmanship conform to the project specifications. The contractor must submit a COC per the respective project specifications. Appendix 3 presents the list of required COC's per Caltrans *LAPM*, Exhibit 16-T1. Appendix 4 presents the list of required COC's per *Greenbook* (Caltrans *LAPM*, Exhibit 16-T2). All materials accepted on the basis of a signed COC must be documented in the inspector's daily reports. A COC for each item accepted must be kept in the RE's file.

Materials Requiring a Buy America Certification

In accordance with the Caltrans *LAPM 16.11*, pages 43 and 44, iron and steel, manufactured products, and construction materials permanently incorporated into the project must comply with Buy America requirements per 23 CFR 635.410 and Section 70914 of the Build America, Buy America (BABA) Act. All steel and iron products must be delivered with a COC stating all manufacturing processes involved in the production of the products occurred within the United States.

The Buy America requirements apply to the entire construction contract if any federal-aid money has been authorized for any phase of the project, not just the construction phase. This policy is applicable to all phases of a project (such as design, environmental, right-of-way, or construction) covered under the National Environmental Policy Act (NEPA) document, regardless of the funding sources. Therefore, the City cannot circumvent the Buy America requirement by declaring that the material is being paid for with the non-federal portion of the funding. Refer to Caltrans *LAPM 16.11* for additional information.

5. INDEPENDENT ASSURANCE (IA) PROGRAM

IA shall be provided by personnel from Caltrans (in accordance with the Caltrans IA Manual) or by an independent certified materials laboratory chosen by the City. IA personnel will observe that sampling and testing procedures are being performed properly and that all testing equipment is in good condition and properly calibrated. IA personnel shall not be involved in any aspect of AT.

5.1 Responsibilities of the RE

During project construction, the RE must verify that the IAP is being executed by performing the following tasks:

- 1) Obtain certifications of all sampling and testing personnel.
- 2) Obtain qualifications of all laboratories.
- 3) Verify testing equipment is calibrated.

5.2 Certification of Sampling and Testing Personnel

All samplers and testers, including project, laboratory, and consultant personnel, must possess a current certificate of proficiency for the tests performed. A copy of the certificate must be in the project files. It is important that samplers as well as testers are certified to ensure the integrity of the sample and that the sample was taken at the right time, from the right location, using the correct method, and is properly labeled.

The Joint Training and Certification Program (JTCP) was established by Caltrans, local public agencies, and industry to make the certification process more efficient and to obtain consistent, reliable quality testing. The JTCP offers training and certification in hot mix asphalt, soils and aggregates, and Portland cement concrete.

For Caltrans test methods not covered by the JTCP, Caltrans will still provide certification. When test methods not covered by the JTCP or Caltrans are used, certifications must be obtained from other acceptable organizations such as ACI, or the agency/testing consultant may need to hire a second lab to perform IA.

IA sampling and testing is not to be used for determining quality and acceptability of material incorporated into the job. Such tests are used only for the purpose of determining the reliability of testing personnel.

5.3 Qualification of Laboratory

All laboratories providing testing services for projects located in California must:

- 1) Possess a current certificate of qualification.
- 2) Be under the responsible engineering management of a California registered Professional Engineer with experience in inspection and testing of construction materials. The Engineer must certify the results of all tests performed by laboratory personnel under his or her supervision.
- 3) Maintain their laboratory testing equipment in accordance with recognized national calibration standards.

- 4) Participate in one or all of the following:
 - a. The AASHTO Materials Reference Laboratory (AMRL)
 - b. The Cement and Concrete Reference Laboratory (CCRL) inspection programs
 - c. The Caltrans Reference Sample Program

These proficiency sample testing programs conform to the FHWA requirement that each State Transportation Agency must participate in an approved laboratory inspection and comparative sample testing program.

All laboratories which use CTMs must participate in the Caltrans Reference Sample Program. Upon request, if CTMs are being used, Caltrans Materials Engineers will qualify the City's (or consultant's) laboratories. Caltrans IA staff will issue Form TL-0113: Caltrans Accredited Laboratory Inspection Report valid for one year. Those laboratories which do not use Caltrans test methods must participate in the AMRL and CCRL programs to fulfill proficiency sample testing program requirements.

5.4 Dispute Resolution

Poor correlation between acceptance tester's results and other test results may indicate probable deficiencies with the acceptance sampling and testing procedures. In cases of unresolved discrepancies, a complete review of AT shall be performed by IA personnel, or an independent materials laboratory chosen by the City. IA samples and tests are not to be used for determining compliance with contract requirements. Compliance with contract requirements is determined only by AT.

6. PROJECT CERTIFICATION

Upon completion of the project, the RE must complete the Materials Certificate, Caltrans *LAPM Exhibit 17-G*, presented in Appendix 5. The City's Person in Responsible Charge must sign the certificate. All materials incorporated into the work which did not conform to specifications must be explained and justified on the Materials Certificate, including changes by virtue of change order.

A copy of the Materials Certificate should be placed in the project file and submitted for review to the applicable agencies, if necessary. The original is submitted to the District Local Assistance Engineer (DLAE) in the Report of Expenditures and a copy is placed in the project file.

7. RECORDS

All material records of samples and tests, material releases and certificates of compliance for the construction project shall be incorporated into the RE's project file. For Federal-aid projects:

- 1) The files shall be organized as described in Section 16.3 "Project Files" of the *LAPM 16.11*.
- 2) It is recommended that the complete project file be available at a single location for inspection by Caltrans and/or FHWA personnel, if required.
- 3) The project files shall be available for at least three years following the date of final project voucher.
- 4) The use of a Log Summary, presented in Appendix 2 facilitates reviews of material sampling and testing by Caltrans and/or FHWA, and assists the RE in tracking the frequency of testing.

When two or more projects are being furnished identical materials simultaneously from the same plant, it is not necessary to take separate samples or perform separate tests for each project; however, copies of the test reports are to be provided for each of the projects to complete the records.

8. REFERENCES

- 1) California Department of Transportation (Caltrans), 2024, *Independent Assurance Manual*, dated April. <https://dot.ca.gov/programs/engineering-services/independent-assurance-program#ia-manual>
- 2) California Department of Transportation (Caltrans), 2024, *Local Assistance Procedures Manual Chapter 16.11 (LAPM 16.11)*, dated January. <https://dot.ca.gov/programs/local-assistance/guidelines-and-procedures/local-assistance-procedures-manual-lapm>
- 3) California Department of Transportation (Caltrans), 2023, *Construction Manual*. <https://dot.ca.gov/programs/construction/construction-manual>
- 4) California Department of Transportation (Caltrans), 2017, *Construction Manual Supplement for Local Agency Resident Engineers*, dated February. <https://dot.ca.gov/-/media/dot-media/programs/construction/documents/policies-procedures-publications/construction-manual/cm-supplement-lare-a11y.pdf>
- 5) California Department of Transportation (Caltrans), *Standard Specifications*, editions vary per project specifications. <https://dot.ca.gov/programs/design/october-2024-ccs-standard-plans-and-standard-specifications>
- 6) Public Works Standards, Inc., 2024, *“Greenbook” Standard Specifications for Public Works Construction (Greenbook)*.

Appendix 1

Testing & Frequency Tables

Caltrans Local Assistance Procedures Manual, Exhibit 16-R

(Modified to include ASTM and AASHTO test methods, and
additional requirements by the City of Simi Valley and Greenbook)

QUALITY ASSURANCE PROGRAM (QAP)

CITY OF SIMI VALLEY

Exhibit 16-R Sampling and Testing Frequency Table
for projects OFF the SHS

Sample for Local Agency QAPs

Sampling and Testing Frequency Table
for projects OFF the SHS.

HOT MIX ASPHALT (HMA) / ASPHALT CONCRETE (AC) / SLURRY SEALS

Quality Characteristic	Test Method	Minimum Sampling and Testing Frequency	Location/Time of Sampling
Aggregate Gradation (Sieve)	CT 202, ASTM C136/C117	1 Per 1000 Tons or Part Thereof ; Minimum 1 per day during production/placement of at least 300 tons per day.	At Plant Per CT 125 (a)
Sand Equivalent	CT 217		Loose Mix Behind Paver Per CT 125
Asphalt Binder Content	CT 382		
In-Place Density and Relative Compaction (Nuclear)	Nuclear (b) CT 375 or ASTM D2950 (c)	1 Per 1000 Tons or Part Thereof ; Minimum 1 per day during production/placement of at least 300 tons per day. (b)	Random Locations Per CT 375 (c)
Theoretical Maximum Specific Gravity and Density (Rice)	CT 309	Per Day During Production/Placement of At Least 300 Tons Per Day	Loose Mix Behind Paver Per CT 125
HMA Moisture Content	CT 226/CT 370, ASTM D4643/C566		
Stabilometer Value (d)	CT 366		
Asphalt Binder	Sample per Section 92	Sample 1 min. per day for production over 300 tons per day; See (f) regarding testing.	At Plant Per CT 125
Smoothness	12-foot Straightedge	As necessary to confirm contract compliance.	Final Pavement Surface

- (a) Exact tonnage of sample location to be determined by Random Sampling Plans
- (b) Compaction determined by Nuclear Density Device. Core testing required if compaction fails the nuclear test
- (c) Correlation between core densities and nuclear device required only if compaction fails the nuclear test
- (d) Report the average of 3 tested briquettes from a single split source
- (e) Use CT 309 to determine maximum theoretical density in lieu of CT 367 calculated maximum theoretical density
- (f) No testing required unless warranted by concern ; sample and store until completion of project

SUBGRADE (DISTURBED BASEMENT SOIL) OR EMBANKMENT

Quality Characteristic	Acceptable Test Methods	Minimum Sampling and Testing Frequency	Location/Time of Sampling
Maximum Density and Relative Compaction	CT 216, ASTM D1556/D1557 or CT 231, ASTM D2922	1 Min. Test per 5000 sq ft under vehicle traveled way and shoulder 1 Min. Test Per 300 linear foot under sidewalk	Random locations as determined by the Engineer in place after compaction.

AGGREGATE BASES AND SUBBASES, IMPORTED BORROW

Quality Characteristic	Acceptable Test Methods	Minimum Sampling and Testing Frequency	Location/Time of Sampling
Sieve Analysis	CT 202, ASTM C136/C117	1 Min. Test Per Material Source	Sample from site stockpile/plant prior to placement.
R-Value	CT 301, ASTM D2844		
Sand Equivalent	CT 217		
Maximum Density and Relative Compaction	CT 216, ASTM D1556/D1557 or CT 231, ASTM D2922	1 Min. Test per 5000 sq ft	Random locations as determined by the Engineer in place after compaction.

STRUCTURE BACKFILL, SELECT BACKFILL

Quality Characteristic	Acceptable Test Methods	Minimum Sampling and Testing Frequency	Location/Time of Sampling
Sieve Analysis	CT 202, ASTM C136/C117	1 Min. Test Per Material Source	Sample from site stockpile/plant prior to placement
R-Value	CT 301, ASTM D2844		
Sand Equivalent	CT 217		
Maximum Density and Relative Compaction	CT 216, ASTM D1556/D1557 or CT 231, ASTM D2922	1 Min. Test Per 2 Vertical Lifts of Placement	Random locations as determined by the Engineer in place after compaction.

PORTLAND CEMENT CONCRETE (PCC) - STRUCTURAL AND SIGNAL/LIGHTING FOUNDATIONS

COARSE AGGREGATE

Quality Characteristic	Acceptable Test Methods		
Sieve Analysis	CT 202, ASTM C136/C117	1 min. test per 500 cu yds and per each material source ; 1 min. test on smaller projects; If bridge, 1 min. set per separate pour per abutment/pier/deck.	Sample from site stockpile/plant prior to placement
Cleanness Value	CT 227		

FINE AGGREGATE

Quality Characteristic	Acceptable Test Methods		
Sieve Analysis	CT 202, ASTM C136/C117	1 min. test per 500 cu yds and per each material source ; 1 min. test on smaller projects; If bridge, 1 min. set per separate pour per abutment/pier/deck.	Sample from site stockpile/plant prior to placement
Sand Equivalent	CT 217		

WET MIX

Quality Characteristic	Acceptable Test Methods	Minimum Sampling and Testing Frequency	Location/Time of Sampling
Slump/Penetration	CT 533, ASTM C360/C143	2 per day	Sample from truck/work site
Cylinders	CT 539/CT 540, ASTM C172/C31	1 min. set of 3 per day; If bridge, 1 min. set per separate pour of abutment/pier/deck.	

PORTLAND CEMENT CONCRETE (PCC) - STRUCTURAL AND SIGNAL/LIGHTING FOUNDATIONS

COARSE AGGREGATE

Quality Characteristic	Acceptable Test Methods		
Sieve Analysis	CT 202, ASTM C136/C117	1 min. test per 500 cu yds and per each material source ; 1 min. test on smaller projects; If bridge, 1 min. set per separate pour per abutment/pier/deck.	Sample from site stockpile/plant prior to placement
Cleanness Value	CT 227		

FINE AGGREGATE

Quality Characteristic	Acceptable Test Methods		
Sieve Analysis	CT 202, ASTM C136/C117	1 min. test per 500 cu yds and per each material source ; 1 min. test on smaller projects; If bridge, 1 min. set per separate pour per abutment/pier/deck.	Sample from site stockpile/plant prior to placement
Sand Equivalent	CT 217		

WET MIX

Quality Characteristic	Acceptable Test Methods	Minimum Sampling and Testing Frequency	Location/Time of Sampling
Slump/Penetration	CT 533, ASTM C360/C143	2 per day	Sample from truck/work site
Cylinders	CT 539/CT 540, ASTM C172/C31	1 min. set of 3 per day; If bridge, 1 min. set per separate pour of abutment/pier/deck.	

Appendix 2

Acceptance Testing Results Summary Log

Caltrans *Local Assistance Procedures Manual*, Exhibit 16-22

**QUALITY ASSURANCE PROGRAM (QAP)
CITY OF SIMI VALLEY**

Exhibit 16-Z2 Acceptance Testing Results Summary Log

Test Method Name: _____

Test Method Number: _____

Project Name: _____

Contract Number: _____

Test Number	Date Sampled	Name of Sampler or Tester	Production	Test Results			Remarks	
		Tester Certification on file?	Location (Stations, depths, etc)	Production Quantity Represented	Required Result	Actual Result	Pass/Fail	Include action taken for any failing test result; note test number of any retest.
1								
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								

Appendix 3

COC Materials Acceptance, Caltrans

Caltrans Local Assistance Procedures Manual, Exhibit 16-T1

QUALITY ASSURANCE PROGRAM (QAP)

CITY OF SIMI VALLEY

Exhibit 16-T1: Materials Requiring a Certificate of Compliance per Caltrans Standard Specifications

Caltrans 2018 Standard Specifications	Material	Additional Info and/or Attachments Required*
6-1.04 BUY AMERICA		
6-1.04B	Crumb rubber	COC
6-1.04C	Steel and iron materials	COC + cert. mill test reports
11-2 WELDING QUALITY CONTROL		
11-2.03D	Welding	COC
12-3 TEMP. TRAFFIC CONTROL DEVICES		
12-3.03A(3)	Plastic traffic drums	COC
12-3.20A(3)	Type K temporary railing	COC
12-3.23A(3)	Attenuator	COC
12-3.32A(3)	Portable CMS	COC
13-2 WATER POLLUTION CONTROL PROGRAM		
13-9 TEMP. CONCRETE WASHOUTS		
13-9.01C	Fabric bags for gravel-filled bags	COC
	Plastic liner	COC
13-10 TEMP. LINEAR SEDIMENT BARRIERS		
13-10.01C	Fiber rolls	COC
	Silt fence fabrics	COC
	Sediment filter bags	COC
	Foam barriers	COC
	Fabric for gravel-filled bags	COC
16-2.03 TEMP. HIGH-VISIBILITY FENCES		
16-2.03A(3)	High-visibility fabric	COC
18 DUST PALLIATIVES		
18-1.01C	Dust suppressant	COC
	Dust control binders	COC
	Fibers	COC
20 LANDSCAPE		
20-2 IRRIGATION		
20-2.08A(3)	Polyethylene pipe	COC
	Plastic pipe supply line	COC

* For those materials requiring additional information on or with the COC, see specification.

Caltrans 2018 Standard Specifications	Material	Additional Info and/or Attachments Required*
20-3 PLANTING		
20-2.08A(3)	Sod	COC
	Soil amendment	COC
20-5 LANDSCAPE ELEMENTS		
20-5.03A(1)(c)	Filter fabric	COC + product data
20-5.03D(1)(c)	Solidifying emulsion	COC + product data & samples
20-5.04A(3)	Wood mulch	COC + sample & authorization
21-2 EROSION CONTROL WORK		
21-2.01C(1)	Straw	COC
	Weed-free straw	COC + cert. of quarantine
	Fiber	COC
	RECP	COC
	Fasteners	COC
	Hydraulically applied erosion control materials	Submit records
21-2.01C(2)	Compost	Submit reports
21-2.01C(3)	Seed	Submit reports
21-2.01C(4)	Tackifier	COC
	Bonded fiber matrix	COC
24 STABILIZED SOILS		
24-1.01C(1)	Stabilizing agent	COC + sample
24-3 CEMENT STABILIZED SOIL		
24-3.01C	Cement	COC + sample
36-2 BASE BOND BREAKER		
36-2.01C	Base bond breaker	COC
37 BITUMINOUS SEALS		
37-1.01C	Asphalt binder	COC + test results
	Asphalt emulsion	COC + test results
37-3 SLURRY SEALS AND MICRO-SURFACINGS		
37-3.01A(3)	Asphaltic emulsion	COC + samples & test results
	Polymer modified asphaltic emulsion	COC + samples & test results
	Micro-surfacing emulsion	COC + sample & test results
37-2.04 ASPHALT RUBBER BINDER CHIP SEALS		
37-2.04A(3)	Asphalt rubber binder ingredients	COC + permits & submittals

* For those materials requiring additional information on or with the COC, see specification.

Caltrans 2018 Standard Specifications	Material	Additional Info and/or Attachments Required*
37-5 PARKING AREA SEALS		
37-5.01C	Parking area seal material	COC + sample & test results
37-6 CRACK TREATMENTS		
37-6.01C	Crack treatment materials	COC or sample & test results
39-2 HOT MIX ASPHALT		
39-2.01A(3)(f)	Liquid antistrip	COC + sample & production data
39-2.03A(3)(c)	Crumb rubber modifier	COC + test results
	Asphalt modifier	COC + test results
39-2.05A(1)(c)	Asphaltic emulsion	COC + test results
40 CONCRETE PAVEMENT		
40-1.01C(2)	Tie bars	COC
	Splice couplers for threaded bars	COC
	Dowel bars	COC
	Tie bar baskets	COC
	Joint filler	COC
	Epoxy-powder coating	COC
41 EXISTING CONCRETE PAVEMENT		
41-5 JOINT SEALS		
41-5.01C	Liquid joint sealant	COC + SDS & instructions
	Backer rods	COC + SDS & instructions
	Compression joint seal	COC + SDS & instructions
	Lubricant adhesives	COC + SDS & instructions
41-10 DRILL AND BOND BARS		
41-10.01C	Tie bars	COC
	Dowel bars	COC
	Dowel bar lubricant	COC
	Chemical adhesive	COC
	Epoxy powder coating	COC
48-2 FALSEWORK		
48-2.01C(1)	Structural composite lumber	COC + submittals
49-2 DRIVEN PILING		
49-2.02A(3)(d)	Steel pipe piles	COC + tests & mill reports
49-2.03A(3)	Structural shape steel piling	COC + test reports

* For those materials requiring additional information on or with the COC, see specification.

Caltrans 2018 Standard Specifications	Material	Additional Info and/or Attachments Required*
51 CONCRETE STRUCTURES		
51-1.01C(3)	Bonding materials	COC or sample & authorization
51-2 JOINTS		
51-2.01A(3)	Polyethylene material for snowplow deflectors	COC
51-2.02B(1)(c)	Sealant	COC + test reports & samples
51-2.02C(1)(c)	Elastomeric joint seal	COC + test reports
	Lubricant-adhesive	COC + test reports
51-2.02D(1)(c)	Joint seal materials	COC + authorization
51-2.02E(1)(c)(iii)	Joint seal assembly materials	COC
51-2.02F(1)(c)(iv)	Material used in the joint seals	COC + test reports
51-2.04A(3)	Waterstop material	COC + a statement
51-3 BEARINGS		
51-3.02A(3)(c)	Elastomer for bearing pads	COC + test reports
51-4 PRECAST CONCRETE MEMBERS		
51-4.01C(1)	Concrete box culvert	COC
52 REINFORCEMENT		
52-1.01C(3)	Reinforcement (rebar)	COC + mill test report
52-2 EPOXY-COATED REINFORCEMENT		
52-2.02A(3)(c)	Epoxy-coated reinforcement	COC + submittals
	Patching material	COC + a statement
52-5.01C(4)	Headed bar reinforcement	COC + test reports
52-6 SPLICING		
52-6.01C(5)	Service or butt splice material	COC + submittals
54 WATERPROOFING		
54-3 PREFORMED MEMBRANE WATERPROOFING		
54-3.01C	Preformed membrane sheet	COC + report
54-5 DECK SEAL		
54-5.01C	Preformed membrane sheet	COC + report
57-2 WOOD STRUCTURES		
57-2.01A(3)	Timber and lumber	COC + report
	Glued laminated timbers/decking	COC
57-3 PLASTIC LUMBER STRUCTURES		
57-3.01C(1)	Plastic lumber	COC + test report & sample

* For those materials requiring additional information on or with the COC, see specification.

Caltrans 2018 Standard Specifications	Material	Additional Info and/or Attachments Required*
58-2 MASONRY BLOCK		
58-2.01C(7)	CMUs	COC
	Aggregate for grout	COC
	Grout	COC
59 STRUCTURAL STEEL COATINGS		
59-1.01C	Blast cleaning material	COC + SDS
59-5 THERMAL SPRAY COAT STRUCTURAL STEEL		
59-5.01C(1)	Wire feedstock	COC
60-3.04B POLYESTER CONCRETE OVERLAYS		
60-3.04B(1)(c)	Methacrylate resins	COC + samples & test report
	Polyester resins	COC + samples & test report
	Aggregates	COC + samples & test report
61-2 CULVERT AND DRAINAGE PIPE JOINTS		
61-2.01C	Joint systems	COC + test results & reports
	Couplers	COC
64 PLASTIC PIPE		
64-1.01C	Plastic pipe	COC + report
65-2 REINFORCED CONCRETE PIPE		
65-2.01C	RCP, direct design method	COC + report
66 CORRUGATED METAL PIPE		
66-1.01C	Corrugated steel materials	COC
	Corrugated aluminum materials	COC
67-3 METAL LINE PLATE PIPE		
67-3.01C	Metal liner plate pipe	COC + mill test reports
68 SUBSURFACE DRAINS		
68-1.01C	Subsurface drain	COC
68-2 UNDERDRAINS		
68-2.01C	Pipe	COC
	Tubing	COC
	Fittings	COC
68-7 GEOCOMPOSITE DRAIN SYSTEMS		
68-7.01C	Geocomposite drain	COC + flow capability graph

* For those materials requiring additional information on or with the COC, see specification.

Caltrans 2018 Standard Specifications	Material	Additional Info and/or Attachments Required*
69 OVERSIDE DRAINS		
69-1.01C	Steel pipe piles	COC
	Aluminum	COC
	Plastic	COC
70-6 GRATED LINE DRAINS		
70-6.01C	Grated line drains	COC + docu. & inspec. report
71-3.09 MACHINE SPIRAL WOUND PVC PIPELINERS		
71-3.09A(1)(c)	Reel of PVC strip	COC + report
72-16 GABIONS		
72-16.01C	Gabion basket	COC
	PVC coating	COC + identify
75-3 MISCELLANEOUS BRIDGE METAL		
75-3.01C(1)	Anchorage devices	COC
75-3.01C(2) BRIDGE DECK DRAINAGE SYSTEM		
75-3.01C(2)	Fiberglass pipe and fittings	COC
80-3 CHAIN LINK FENCES		
80-3.01C	Protective coating system	COC
	Posts and braces	COC + test results
81 MISCELLANEOUS TRAFFIC CONTROL DEVICES		
81-2 DELINEATORS		
81-2.01C	Metal target plates	COC
	Enamel coating	COC
81-3 PAVEMENT MARKERS		
81-3.01C	Pavement markers	COC
82 SIGNS AND MARKERS		
82-2 SIGN PANELS		
82-2.01C	Aluminum sheeting	COC
	Retroreflective sheeting	COC
	Screened-process colors	COC
	Nonreflective, opaque, black film	COC
	Protective overlay film	COC

* For those materials requiring additional information on or with the COC, see specification.

Caltrans 2018 Standard Specifications	Material	Additional Info and/or Attachments Required*
82-5 MARKERS		
82-5.01C	Metal target plates	COC
	Enamel coating	COC
	Retroreflective sheeting	COC
83-3 CONCRETE BARRIERS		
83-3.01C	Type 60K portable concrete barrier	COC or test reports
84-2 TRAFFIC STRIPES AND PAVEMENT MARKINGS		
84-2.01C	Thermoplastic	COC + autho., SDS & data sheet
	Paint	COC + autho., SDS & data sheet
	Glass beads	COC + autho., SDS & data sheet
	Thermoplastic primer	COC + test results
DIVISION X ELECTRICAL WORK		
86-1.01C(6)	Signal heads	COC + test data
	Visors	COC + test data
87-2 LIGHTING SYSTEMS		
87-2.01C	High mast lighting luminaires	COC + test data
90 CONCRETE		
90-1.01C(3)	Cementitious materials	COC + app. signature
	Blended cement	COC + app. signature
90-1.01C(4)	Admixture	COC + authorization
90-1.01C(5)	Curing compound	COC + test samples
90-2 MINOR CONCRETE		
90-2.01C	Minor concrete	COC + weighmaster cert
90-3 RAPID STRENGTH CONCRETE		
90-3.01C(3)	Aggregate	COC + certified weight
	Cementitious materials	COC + certified weight
	Admixtures	COC + certified weight
90-4 PRECAST CONCRETE		
90-4.01C(2) and 90-4.01D(2)(a)	Cementitious materials	COC + app. signature
	Precast members (each)	COC + app. signature
	Curing compound	COC + test samples
94 ASPHALTIC EMULSIONS		
94-1.01C	Asphaltic emulsion	COC + reports

* For those materials requiring additional information on or with the COC, see specification.

Caltrans 2018 Standard Specifications	Material	Additional Info and/or Attachments Required*
95 EPOXY		
95-1.01C	Epoxy	COC
96 GEOSYNTHETICS		
95-1.01C(1)	Geosynthetic	COC + test samples

* For those materials requiring additional information on or with the COC, see specification.

Appendix 4

COC Materials Acceptance, Greenbook

Caltrans Local Assistance Procedures Manual, Exhibit 16-T2

QUALITY ASSURANCE PROGRAM (QAP)

CITY OF SIMI VALLEY

Greenbook 2018
Materials Requiring a Certificate of Compliance or Certified Test Reports

	Material	Section #	Section Title	Additional Comments
1		4-5	Certificate of Compliance	General Requirements
2	Weighing and Metering Equip.	4-7	Weighing and Metering Equipment	Engineer to "approve" prior to operation.
3	Cement	201-1.21	Cement	
4	Fly Ash	201-1.2.5.3	Fly Ash	Specific language/info required on the COC. Must also submit test data upon request.
5	Pozzolans	201-1.2.5.4	Class N Pozzolans	Specific language/info required on the COC. Must also submit test data upon request.
6	Joint Sealant , Type E	201-3.9	Test Report and Certification	Specific language/info required on certified test reports.
7	Curing Compound	201--4.3	Test Report and Certification	Must submit certified test report upon request.
8	Paving Asphalt	203-1.3	Test Report and Certification	Specific language/info required on certified test reports.
9	Liquid Asphalt	203-2.2	Test Report and Certification	Specific language/info required on certified test reports.
10	Microsurfacing Emulsion (MSE)	203-3.5	Certificate of Compliance	With each load. Must also submit test data upon request.
11	Latex	203-10.2.2	Latex	Specific language/info required on the COC.
12	Asphalt Rubber Hot Mix (ARHM)	203-11.2	Materials	Must also submit test reports with the COC.
13	Crumb Rubber Modifier (CRM)	203-11.2.3.1	General (Crumb Rubber Modifier)	Specific language/info required on the COC.
14	Treated Wood	204-2.4	Quality Control	Specific language/info required on the COC.
15	Structural Steel , Rivets, Bolts, Pins	206-1.1.2	Certification	Specific language/info required on certified test reports.
16	Gray Iron and Ductile Iron Castings	206-3.4.2.1	General (Tensile Testing)	Must also submit test reports with the COC.
17	Gray Cast Iron Castings	206-3.4.2.2	Gray Cast Iron Castings	Specific language/info required on the COC and must submit certified test results.
18	Ductile Iron Castings	206-3.4.2.3	Ductile Iron Castings	Specific language/info required on the COC and must submit certified test results.
19	Corrugated Steel Pipe, pipe arches.	207-11.2.1	General (Materials)	

20	Structural Steel Products	207-12.2.1	General (Materials)	Specific language/info required on the COC.
21	Structural Aluminum Products	207-14.2.1	General (Materials)	Specific language/info required on the COC.
22	PVC Pipe	207-17.4.1	General (Test Requirements)	
23	PolyPropylene Pipe	207-25.6.1	General (Man. Facility Testing)	
24	Materials used in Sewers	211-2	Chemical Resistance (Pickle Jar) Test	Specific language/info required on the COC.
25	Viscometer Calibration	211-4.2	Calibration	
26	Engineering Geosynthetics	213-1	General (Engineering Geosynthetics)	Specific language/info required on the COC.
27	Traffic Paint, Thermo and Markers	214-2	Test Reports And Cert. of Compliance	Specific language/info required on certified test reports OR COC
28	Precast Reinforced Concrete Box	216-8	Basis of Acceptance	
29	Fiberglass Standards	700-3.3.4	Fiberglass Standards	Specific language/info required on the COC and test reports.
30	Conductors for Series Circuits, 5000V	700-4.2.2	Conductors for Series Circuits	
31	Conductors and Cable	700-5.3.1	General (Conductors and Cable)	
32	Lamp Receptable Conductors	700-5.5.7	Electrical Components	COC Required if required information is not marked on the insulation.
33	LED Signal Modules	700-5.5.11.8	Certificate of Compliance	
34	LED Pedestrian Signal Module	700-5.6.6.7	Certificate of Compliance	

Appendix 5
Materials Certificate
Caltrans Local Assistance Procedures Manual, Exhibit 17-G

QUALITY ASSURANCE PROGRAM (QAP)
CITY OF SIMI VALLEY

Exhibit 17-G: Materials Certificate

MATERIALS CERTIFICATE

CITY/COUNTY LETTERHEAD
(Sample)

Date: _____
Federal-Aid Project Number: _____
Caltrans File Category 61: N/A - Caltrans Use
Job Stamp: N/A - Caltrans Use

Subject: Materials Certification

This is to certify that:

The results of the tests on acceptance samples indicate that the materials incorporated in the construction work and the construction operations controlled by sampling and testing were in conformity with the approved plans and specifications.

- ☐ Exceptions to the plans and specifications are explained on the back of this memorandum (or on attached sheet).
- ☐ No exceptions to the plans and specifications were found.

Signature of local agency engineer in responsible charge of project and title

Distribution: (For all projects) 1) Local agency Project Files (original)
2) DLAE (1 copy in Report of Expenditures)
(For projects on the NHS) 3) FHWA (1 copy)

Appendix 6

Caltrans Test Method/ASTM Test Method Conversion Chart

Caltrans *Local Assistance Procedures Manual*, Exhibit 16-S

QUALITY ASSURANCE PROGRAM (QAP)

CITY OF SIMI VALLEY

Caltrans Test Method- ASTM Test Method Conversion Chart

CALTRANS TEST METHOD - ASTM TEST METHOD CONVERSION CHART**Testing Procedures - for local agency use only**

Use this CTM - ASTM conversion chart to assist you in determining acceptance test requirements and frequencies, as detailed in Caltrans *Construction Manual* Chapter 6, "Sampling and Testing." Refer to the Agency, special provisions, contract plans, and applicable standard specifications, for correct sampling and test methods (ASTM-CTM).

CTM	ASTM	Book of Standar	TEST PROCEDURE	NOTE S
105			Calculations Pertaining to Gradings and Specific Gravities	2
125	D75 D979	4.02 4.03	Sampling Highway Materials (when approved) Standard Practice for Sampling Aggregates Practice for Sampling Bituminous Paving Mixtures	3 3
201	C702	4.02	Soil & Aggregate Sample Preparation Reducing Field Samples of Aggregate to Testing Size	13
202	C136 C117	4.02 4.03	Sieve Analysis of Fine and Coarse Aggregate Sieve Analysis of Fine and Coarse Aggregate Material Finer Than 75-um (#200) Sieve in Mineral Aggregates by Washing	
205			Percentage of Crushed Particles	1
206	C127	4.02	Specific Gravity and Absorption of Coarse Aggregate Specific Gravity and Absorption of Coarse Aggregate	
207	C128	4.02	Specific Gravity and Absorption, Fine Aggregate Specific Gravity and Absorption, Fine Aggregate	
208			Apparent Specific Gravity of Fine Aggregate	1
211	C131	4.02	Abrasion of Coarse Aggregate by Use of the Los Angeles Rattler Machine Resistance to Degradation, Small-Size Coarse Agg. by Abrasion & Impact, L.A. Machine	
213	C40	4.02	Organic Impurities in Concrete Sand Organic Impurities in Fine Aggregate for Concrete	
214	C88	4.02	Soundness of Aggregates by Use of Sodium Sulfate Soundness of Aggregates by Use of Sodium Sulfate or Magnesium Sulfate	1
216	D1556 D1557	4.08 4.08	Relative Compaction of Untreated and Treated, Soils & Aggregates Density of Soil In-place by the Sand Cone Method Moisture-Density Relations of Soils & Soil-Agg. Mixtures, 10-lb. Rammer, 18-in	11
217			Sand Equivalent (only authorized method per Caltrans 07, District Materials	1,9
223			Surface Moisture in Concrete Aggregate	1
226	C566	4.02	Moisture Content in Soils by Oven Drying Total Moisture Content of Aggregate by Drying	
227			Evaluating Cleanness of Coarse Aggregate	1
229	D3744	4.03	Durability Index Aggregate Durability Index	1
231	D2922	4.08	Relative Compaction of Soils by the Area Concept Utilizing Nuclear Gages Density of Soil & Soil-Aggregate In-place by the Nuclear Method	4 4

CTM - ASTM Testing Procedures - for local agency use only

Use this CTM - ASTM conversion chart to assist you in determining acceptance test requirements and frequencies, as detailed in Caltrans *Construction Manual* Chapter 6, "Sampling and Testing." Refer to the Agency, special provisions, contract plans, and applicable standard specifications, for correct sampling and test methods (ASTM-CTM).

CTM	ASTM	Book of Standards	TEST PROCEDURE	NOTES
301	D2844	4.08	R-Value of Treated & Untreated, Bases, Subbases & Basement Soils R-Value and Expansion Pressure of Compacted Soils	1
302	D1664	4.03	Film Stripping Coating and Stripping of Bitumen-Aggregate Mixtures	
303			Centrifuge Kerosene Equivalent	1
304	D1561	4.03	Preparation of Bituminous Mixtures for Testing Prep. of Bituminous Mixture Test Specimens by Means of Calif. Kneading Compactor	1
305			Swell of Bituminous Mixtures	1
307			Moisture Vapor Susceptibility of Bituminous Mixtures	1
308	D1188	4.03	Bulk Specific Gravity and Weight Per Cubic Foot of Bituminous Mixtures Bulk Sp.G. and Density of Compacted Bituminous Mixtures, Paraffin-Coated Specimens	
310	D2172	4.03	Asphalt and Moisture Contents of Bituminous Mixtures by Hot Solvent Extraction of Bitumen from Bituminous Paving Mixtures (Method A, B, or C)	5 6,10
312			Design and Testing of Class "A" and "B" Cement Treated Base	1
338			Cement or Lime Content in Treated Aggregate by the Titration Method	1
339	D2995	4.03	Determination of Distributor Spread Rate Determining Application Rate of Bituminous Distributors	
362	D2172	4.03	Asphalt Content of Bituminous Mixtures by Vacuum Extraction Quantitative Extraction of Bitumen from Bituminous Paving Mixtures	5 6
366			Stabilometer Value	1
367			Recommending Optimum Bitumen Content (OBC.)	1
370	D4643	4.08	Determining Moisture Content of Asphalt Mixtures or Mineral Agg., Microwave Ovens Determination of Water (Moisture) Content of Soil by the Microwave Oven	
375	D2950	4.03	In-place Density & Relative Compaction of AC Pavement (nuclear) Density of Bituminous Concrete In-place by the Nuclear Method	5,7,12 6,7
379	D4125	4.03	Asphalt Content of Bituminous Mixtures by use of the Troxler Nuclear Gage Asphalt Content of Bituminous Mixtures by the Nuclear Method	5,8 6,8
405			Chemical Analysis of Water	1
415			Chloride Content in Organic Additives for Portland Cement Concrete	1

CTM - ASTM Testing Procedures - for local agency use only

Use this CTM - ASTM conversion chart to assist you in determining acceptance test requirements and frequencies, as detailed in Caltrans *Construction Manual* Chapter 6, "Sampling and Testing." Refer to the Agency, special provisions, contract plans, and applicable standard specifications, for correct sampling and test methods (ASTM-CTM).

CTM	ASTM	Book of Standard	TEST PROCEDURE	NOTES
504	C231	^s 4.02	Air Content of Freshly Mixed Concrete by the Pressure Method Air Content of Freshly Mixed Concrete by the Pressure Method	
515			Relative Mortar Strength of Portland Cement Concrete Sand	1
518	C138	4.02	Unit Weight of Fresh Concrete Unit Weight, Yield, and Air Content (Gravimetric) of Concrete	
521	C39	4.02	Compressive Strength of Molded Concrete Cylinders Compressive Strength of Cylindrical Concrete Specimens	
523	C293 C78	4.02 4.02	Flexural Strength of Concrete (using simple beam with center-point loading) Flexural Strength of Concrete (using simple beam with center-point loading) Flexural Strength of Concrete (using simple beam with third-point loading)	1
528			Freeze Thaw Resistance of Aggregates in Air-Entrained Concrete	1
529			Proportions of Coarse Aggregate in Fresh Concrete	1
530			Determining the Effect of H ₂ O-Reducing and Set-Retard. Admix. Drying Shrinkage PCC	1
533	C360 C143	4.03 4.02	Ball Penetration in Fresh Portland Cement Concrete Ball Penetration in Fresh Portland Cement Concrete Slump of Freshly Mixed PCC	
539	C172	4.02	Sampling Fresh Concrete Sampling Freshly Mixed Concrete	
540	C31	4.02	Making, Handling, & Storing Concrete Compressive. Test Specimens in the Field Making & Curing Concrete Test Specimens in the Field	
541			Flow of Grout Mixtures (flow cone method)	1
543	C173	4.02	Air Content of Freshly Mixed Concrete by the Volumetric Method Air Content of Freshly Mixed Concrete by the Volumetric Method	
548			Evaluation of Aggregate for Lean Concrete Base (LCB.)	1

Notes

1. Use the CALTRANS Method.
2. Use the methods of calculation within the applicable test method first. Refer to CTM 105 as necessary.
3. Use the Caltrans Construction Manual procedures as necessary when ASTM D75 or D979 do not adequately cover the item to be sampled.
4. Use the direct transmission method only, the air gap method shall not be used. All nuclear gages must have local Caltrans District calibration within the last year. The data sheets provided by the local Caltrans District shall be used when determining the in-place density.
5. Sample from the job site, across the mat, immediately behind the paving machine (Caltrans Construction Manual).
6. Sample per ASTM D 979 paragraph 4.2.3., sample from the job site, across the mat, immediately behind the paving machine.
7. All nuclear gages used for this test must be calibrated on the six (6) DNTM&R AC Standard Blocks. The Data sheets provided by the local Caltrans District shall be used when determining the in-place density.
8. Recommended Percent (%) AC method for Rubberized Bituminous Paving mixtures.
9. The hand method of shaking is not authorized and shall not be used. An electro-mechanical or hand- operated mechanical. Sand Equivalent shaker must be utilized for this test.
10. This Method covers hot solvent, centrifuge, and vacuum extraction.
11. Compaction Apparatus shall be calibrated in accordance with ASTM D 2168, Method B (ASTM Book 4.08).
12. Test Maximum Density (TMD) shall be performed by Caltrans Test Method 375, Section F. Test Max. Density.
13. Splitters must be of the fixed riffle type (no adjustable splitters).

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES
 MATERIALS ENGINEERING TESTING SERVICES AND GEOTECHNICAL SERVICES
 OFFICE OF MATERIALS MANAGEMENT AND INDEPENDENT ASSURANCE
 TRANSPORTATION LABORATORY-MS 5
 5900 FOLSOM BLVD.
 SACRAMENTO, CA 95819-4612



Making Conservation
 A California Way of Life!

Expiration Date: 10/31/2029

Status: In Compliance**Quality Assurance Program Acceptance Letter**DATE: 12/3/2024Name of Agency: City of Simi ValleyAddress: 2929 Tapo Canyon Rd Simi Valley 93063Telephone Number: 805-583-6808 Fax/Email: rfuchiwaki@simivalley.orgName and Title of person In Charge: Ronald K. Fuchiwaki Lic# 34663
Public Works Director

The document will be reviewed for compliance to California Department of Transportation, Quality Assurance (QAP) Manual for Use by Local Agencies (January, 2024 revision) and Federal Highway Administration, 23 CFR 637.

A. Document Reviewed

ITEM NO.	DESCRIPTION
1	City of Simi Valley Quality Assurance Program (QAP) dated : 12/03/24
2	Caltrans Local Assistance District: District 7
3	Local Assistance area engineer -Buu Luu, Buu.Luu@dot.ca.gov Phone: (213)-503-2482

B. Conditions of acceptance

ITEM NO.	DESCRIPTION
1	Document was reviewed and found to be in <u>COMPLIANCE</u> to our requirements
2	Acceptance Sampling & Testing: will be done by a certified materials laboratory.
3	Independent Assurance Program: will be done by Caltrans or a consultant-certified materials laboratory.
4	Per section 16.11 of Local Assistance Procedure Manual (LAPM), this QAP must be updated at least every five years.
5	Caltrans District Local Assistance must be notified if there is any change or deviation from this QAP.
6	Caltrans no longer provides source inspection services for projects off the SHS.
7	Provide a signed hard copy to the District 7 area engineer and DLAE for archive.

C. Reviewed by

Babak Rezaei. Email: Babak.Rezaei@dot.ca.gov
 Caltrans, METS/OMMIA SOUTH - (916) 204-6077

Babak Rezaei

CERTIFIED Independent Assurance Engineer

12/3/2024

DATE.

APPENDIX F

Project Plans

LEGEND:

- GABION WALL
- SANDBAGS
- FIBER ROLLS
- PROPERTY LINE
- V-DITCH (EXISTING)

APN: 685004042
RANCHO SIMI REC & PARK DIST

APN: 685004052
RANCHO SIMI REC & PARK DIST

APN: 634039034
VENTURA COUNTY WATERSHED

BMP069

DB036

HT. 6'
27 LF

HT. 6'
27 LF

STAGING AREAS 4

APN: 634039029
RUNKLE CANYON

- 1 INSTALL GABION WALL PER DETAIL A, HEIGHT AND LENGTH PER PLAN.
- 3 INSTALL 570 LF SANDBAGS, 24" HIGH.
- 4 INSTALL 3,130 LF OF TEMPORARY FIBER ROLLS PER CALTRANS CONSTRUCTION SITE BMP MANUAL SC-5.

BMP070

APN: 634039032
RUNKLE CANYON LLC

DB038

WOODLANDS HOA

WOODLANDS HOA

WOODLANDS HOA

APN: 634040065
RUNKLE CANYON LLC

DB039

WOODLANDS HOA

DRAINAGE INLET

STAGING AREA 2

ACCESS GATE

STAGING AREA 3

STAGING AREA

V-DITCH, TYP.

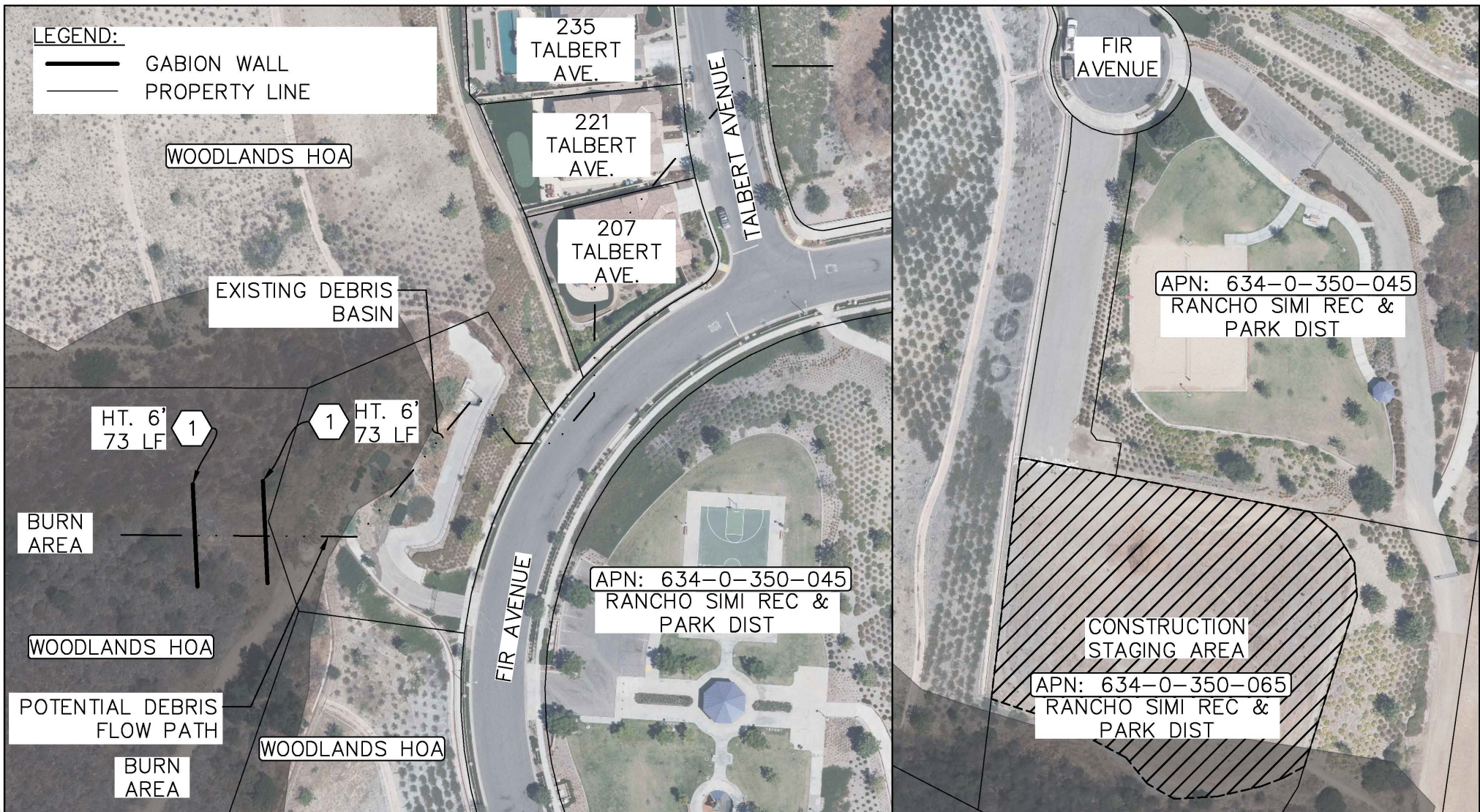
FLOW

WOODLANDS HOA

DEBRIS FLOW



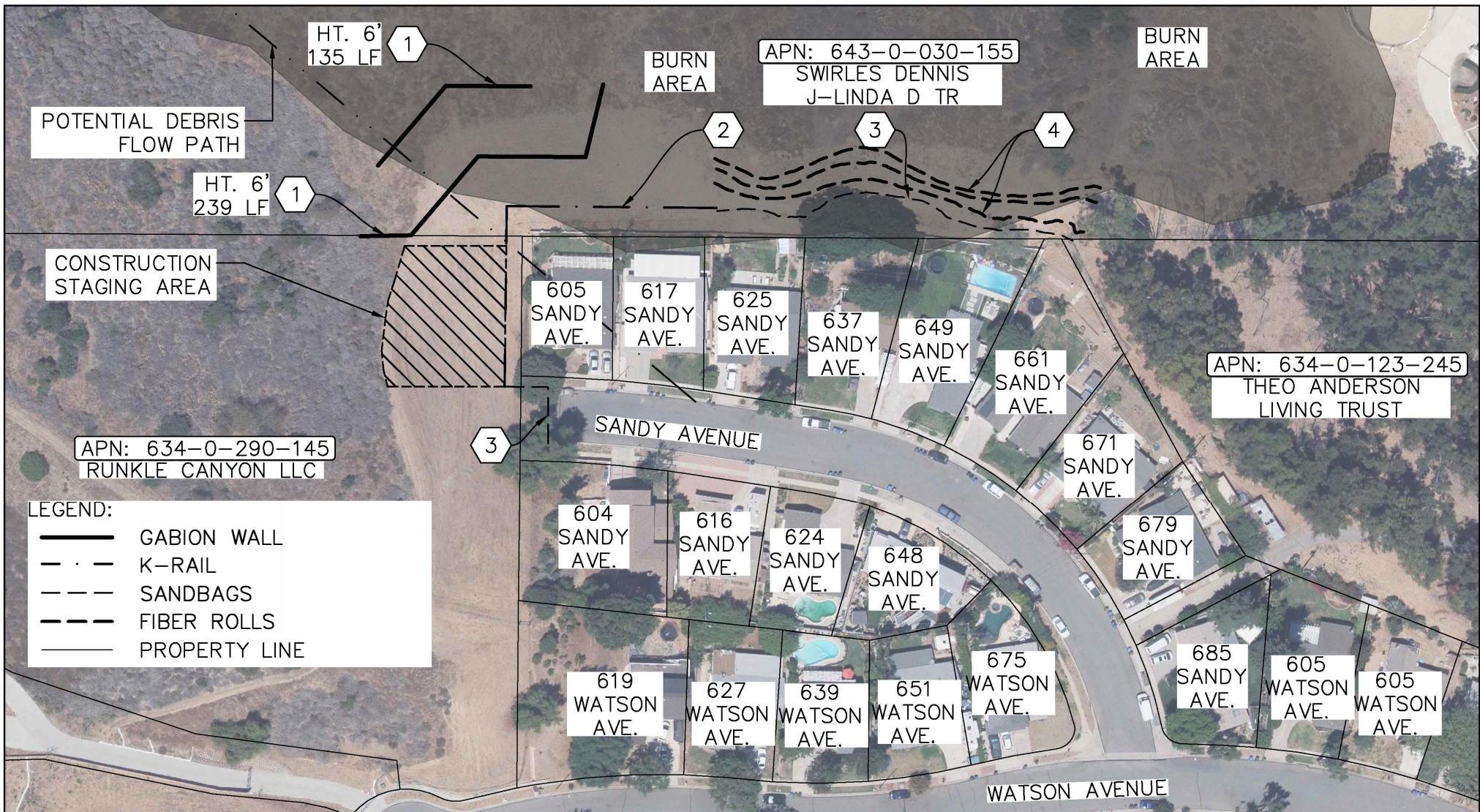
DRAWN BY	SCALE	DATE	SANDY FIRE DEBRIS FLOW MITIGATION AREA 1C - RUNKLE CANYON	CITY OF SIMI VALLEY DEPARTMENT OF PUBLIC WORKS	DRAWING NO.	SHEET NO.
R.C.	1"=200'	10/02/26			SANDY FIRE EWPP PLAN - AREA 1.DWG	2 OF 15



1 INSTALL GABION WALL PER DETAIL A, HEIGHT AND LENGTH PER PLAN.



DRAWN BY	SCALE	DATE	SANDY FIRE DEBRIS FLOW MITIGATION AREA 2A — FIR AVE.	CITY OF SIMI VALLEY DEPARTMENT OF PUBLIC WORKS	DRAWING NO.	SHEET NO.
B.Z.	1"=100'	10/02/26			SANDY FIRE EWPP PLAN — AREAS 2 4.DWG	5 OF 15



- ① INSTALL GABION WALL PER DETAIL A, HEIGHT AND LENGTH PER PLAN.
- ② INSTALL 278 LF OF CALTRANS TEMPORARY RAILING (TYPE K).
- ③ INSTALL 338 LF OF SANDBAGS, 8" HIGH.
- ④ INSTALL 852 LF OF TEMPORARY FIBER ROLLS PER CALTRANS CONSTRUCTION SITE BMP MANUAL SC-5.



DRAWN BY	SCALE	DATE	SANDY FIRE DEBRIS FLOW MITIGATION AREA 2B - SANDY AVE.	CITY OF SIMI VALLEY DEPARTMENT OF PUBLIC WORKS	DRAWING NO.	SHEET NO.
B.Z.	1"=100'	10/02/26			SANDY FIRE EWPP PLAN - AREAS 2 4.DWG	6 OF 15

LEGEND:

- SANDBAGS
- FIBER ROLLS
- PROPERTY LINE
- V-DITCH (EXISTING)

(APN: 643-0-030-155)
SWIRLES DENNIS J-LINDA
D TR

(APN: 643-0-030-185)
BUERGE JOHN R-JOY B TR

BURN
AREA

FLOW
(SANDY AREA)

FLOW

FLOW

FLOW

FLOW

FLOW

2604
RUDOLPH
DR

2590
RUDOLPH
DR

2576
RUDOLPH
DR

2562
RUDOLPH
DR

2548
RUDOLPH
DR

CAMDEN VISTA COURT

3 INSTALL 420 LF OF SANDBAGS, 8" HIGH.

4 INSTALL 8,685 LF OF TEMPORARY FIBER ROLLS PER CALTRANS CONSTRUCTION SITE BMP MANUAL SC-5.



DRAWN BY
J.I.

SCALE
1"=100'

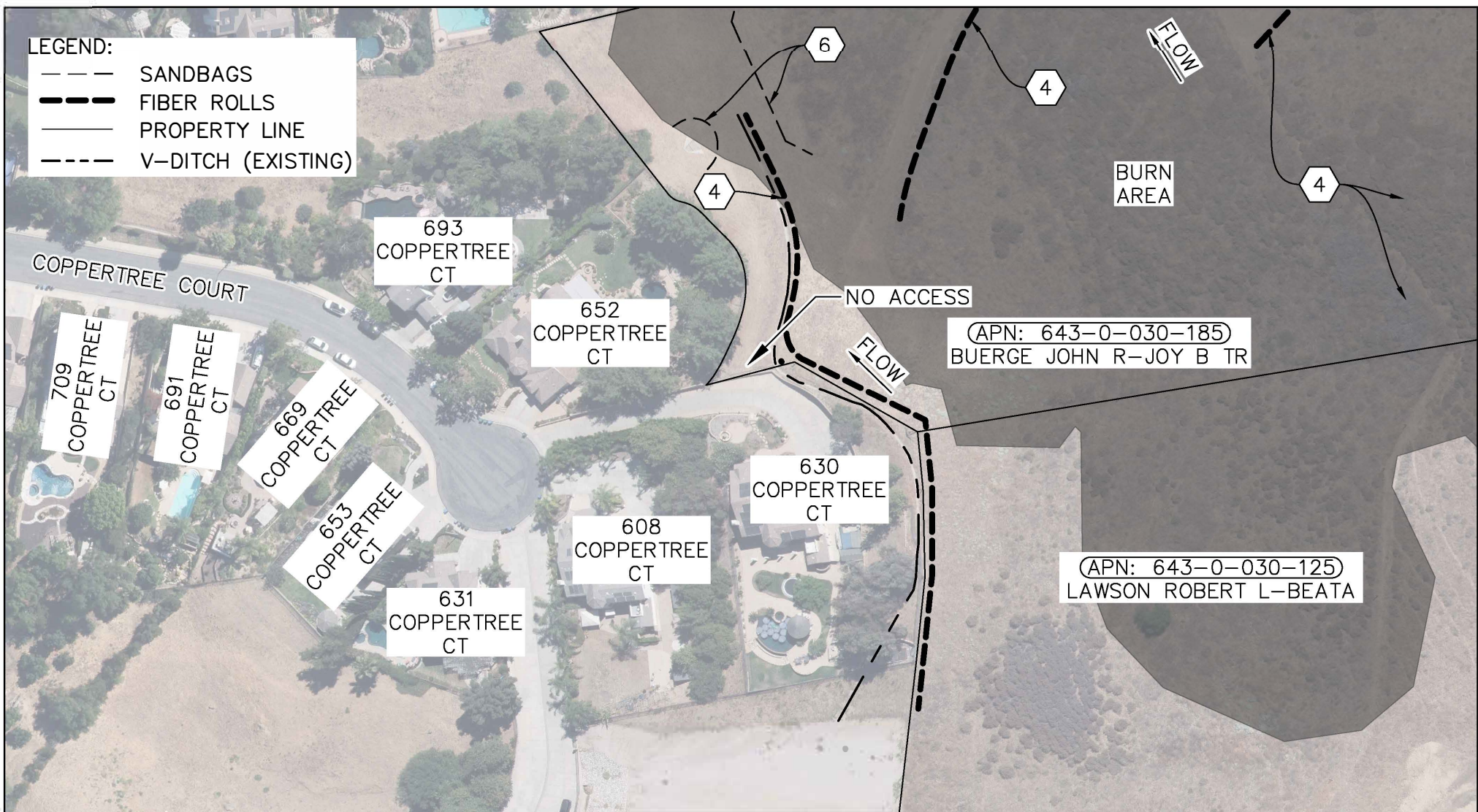
DATE
10/02/26

SANDY FIRE DEBRIS FLOW MITIGATION
AREA 3A
CAMDEN VISTA CITY RESERVOIR

CITY OF SIMI VALLEY
DEPARTMENT OF PUBLIC WORKS

DRAWING NO.
SANDY FIRE EWPP
PLAN - AREA 3.DWG

SHEET NO.
7 OF 15

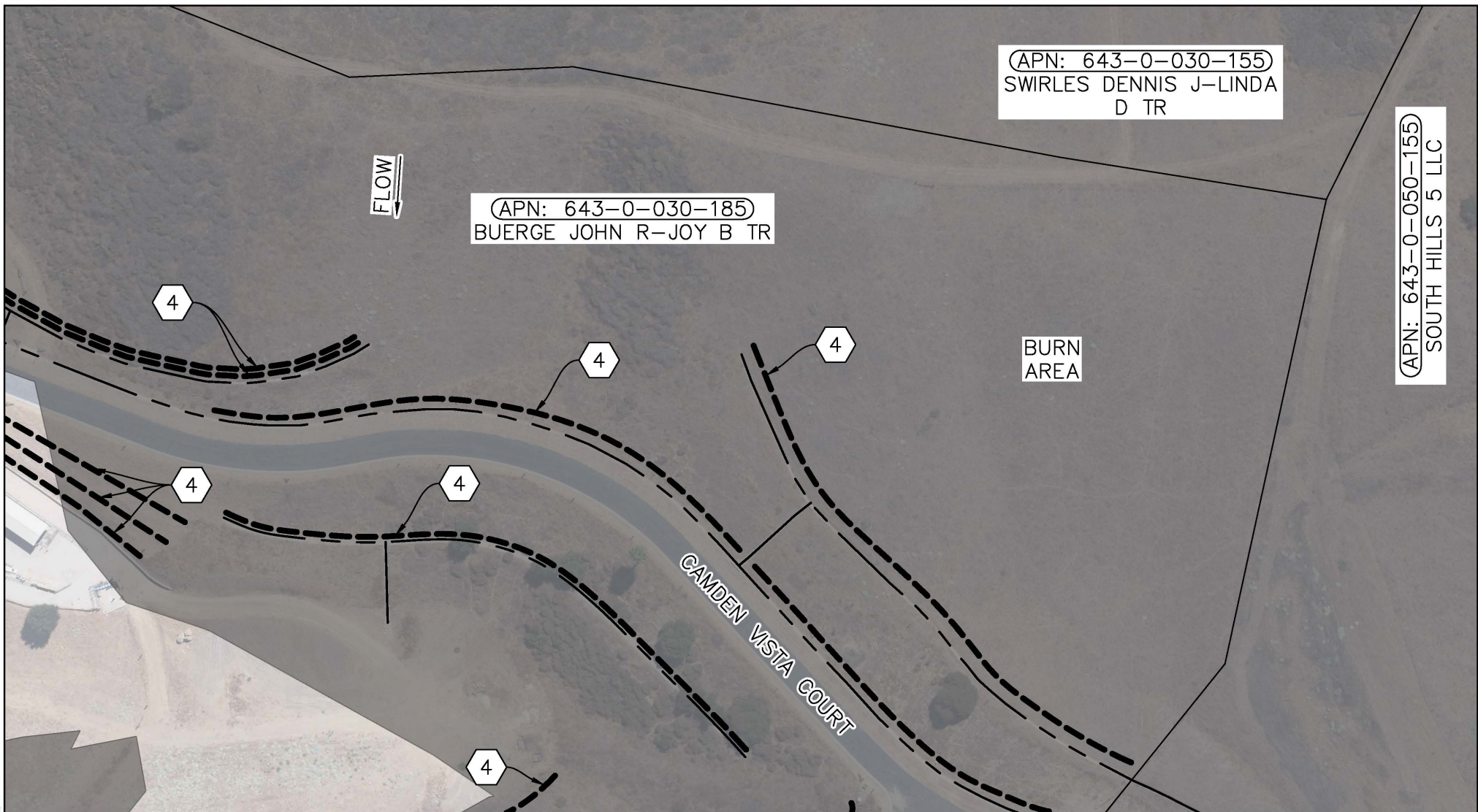


4 INSTALL 8,685 LF OF TEMPORARY FIBER ROLLS PER CALTRANS CONSTRUCTION SITE BMP MANUAL SC-5.

6 INSTALL 200 LF OF SANDBAGS, 24" HIGH.



DRAWN BY	SCALE	DATE	SANDY FIRE DEBRIS FLOW MITIGATION AREA 3C CAMDEN VISTA CITY RESERVOIR	CITY OF SIMI VALLEY DEPARTMENT OF PUBLIC WORKS	DRAWING NO.	SHEET NO.
J.I.	1"=100'	10/02/26			SANDY FIRE EWPP PLAN - AREA 3.DWG	9 OF 15



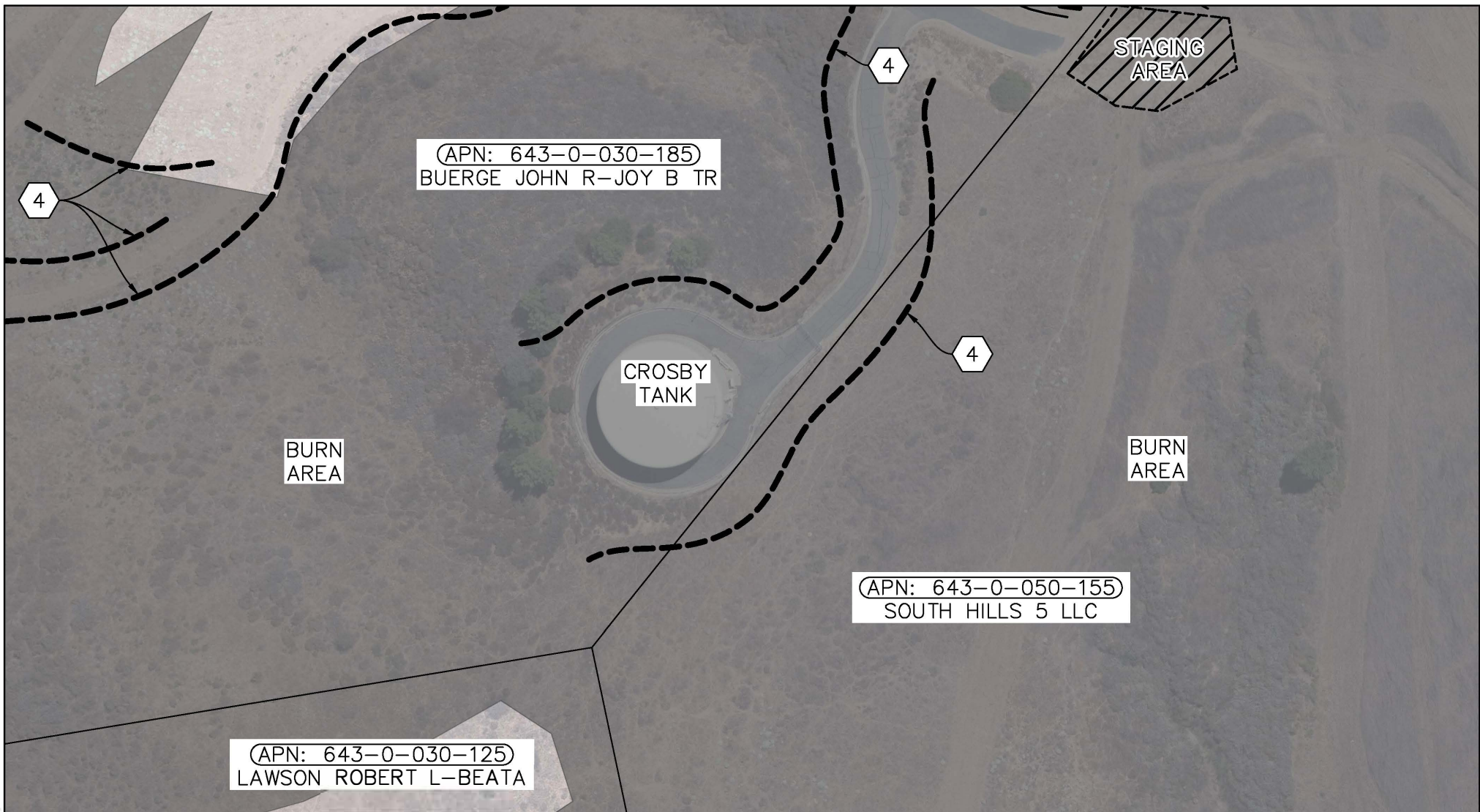
④ INSTALL 8,685 LF OF TEMPORARY FIBER ROLLS PER CALTRANS CONSTRUCTION SITE BMP MANUAL SC-5.

LEGEND:

- FIBER ROLLS
- PROPERTY LINE
- - - V-DITCH (EXISTING)



DRAWN BY	SCALE	DATE	SANDY FIRE DEBRIS FLOW MITIGATION AREA 3D CAMDEN VISTA CITY RESERVOIR	CITY OF SIMI VALLEY DEPARTMENT OF PUBLIC WORKS	DRAWING NO.	SHEET NO.
J.I.	1"=100'	10/02/26			SANDY FIRE EWPP PLAN - AREA 3.DWG	10 OF 15



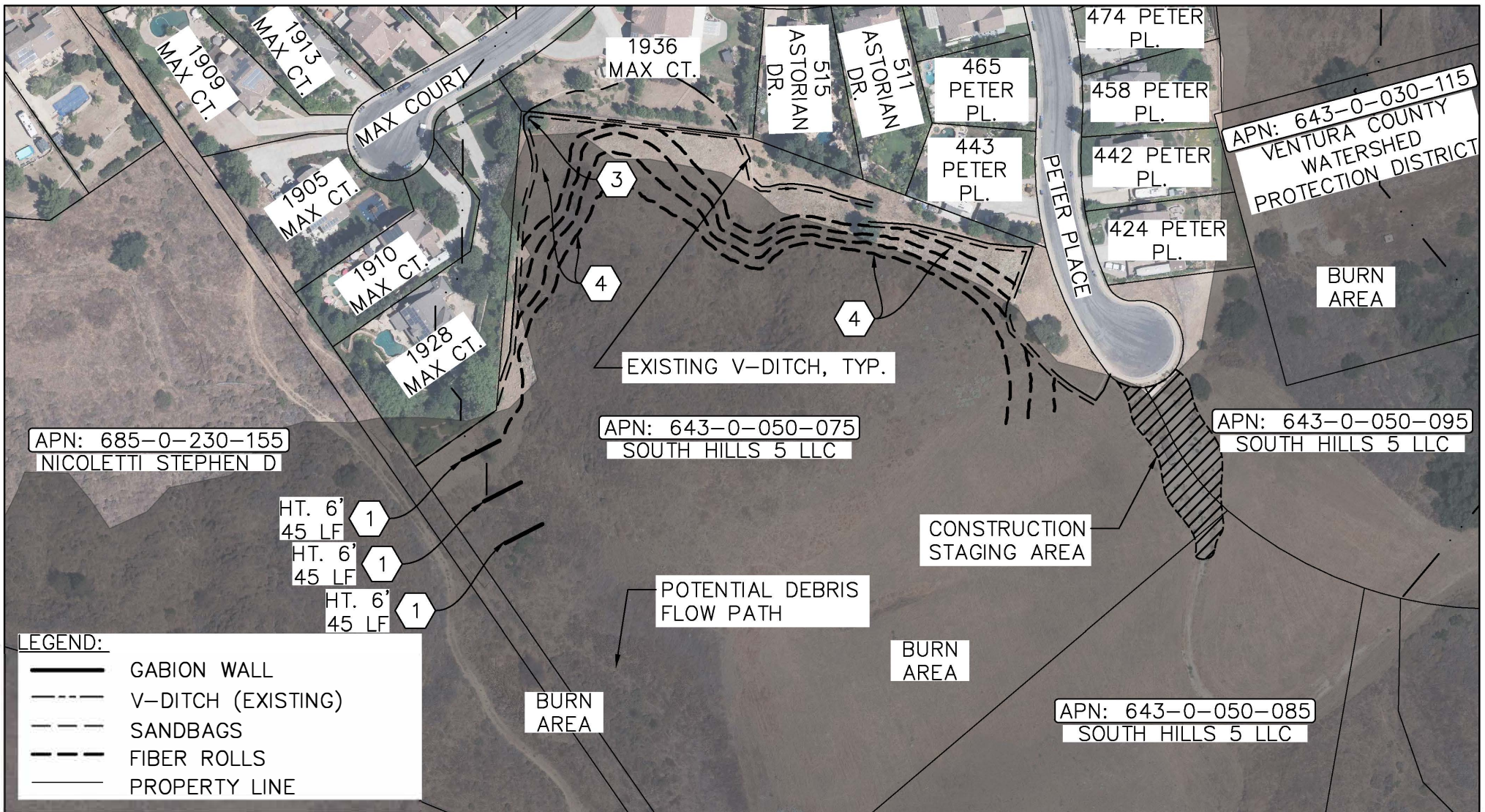
4 INSTALL 8,685 LF OF TEMPORARY FIBER ROLLS PER CALTRANS CONSTRUCTION SITE BMP MANUAL SC-5.

LEGEND:

- FIBER ROLLS
- PROPERTY LINE
- - - V-DITCH (EXISTING)



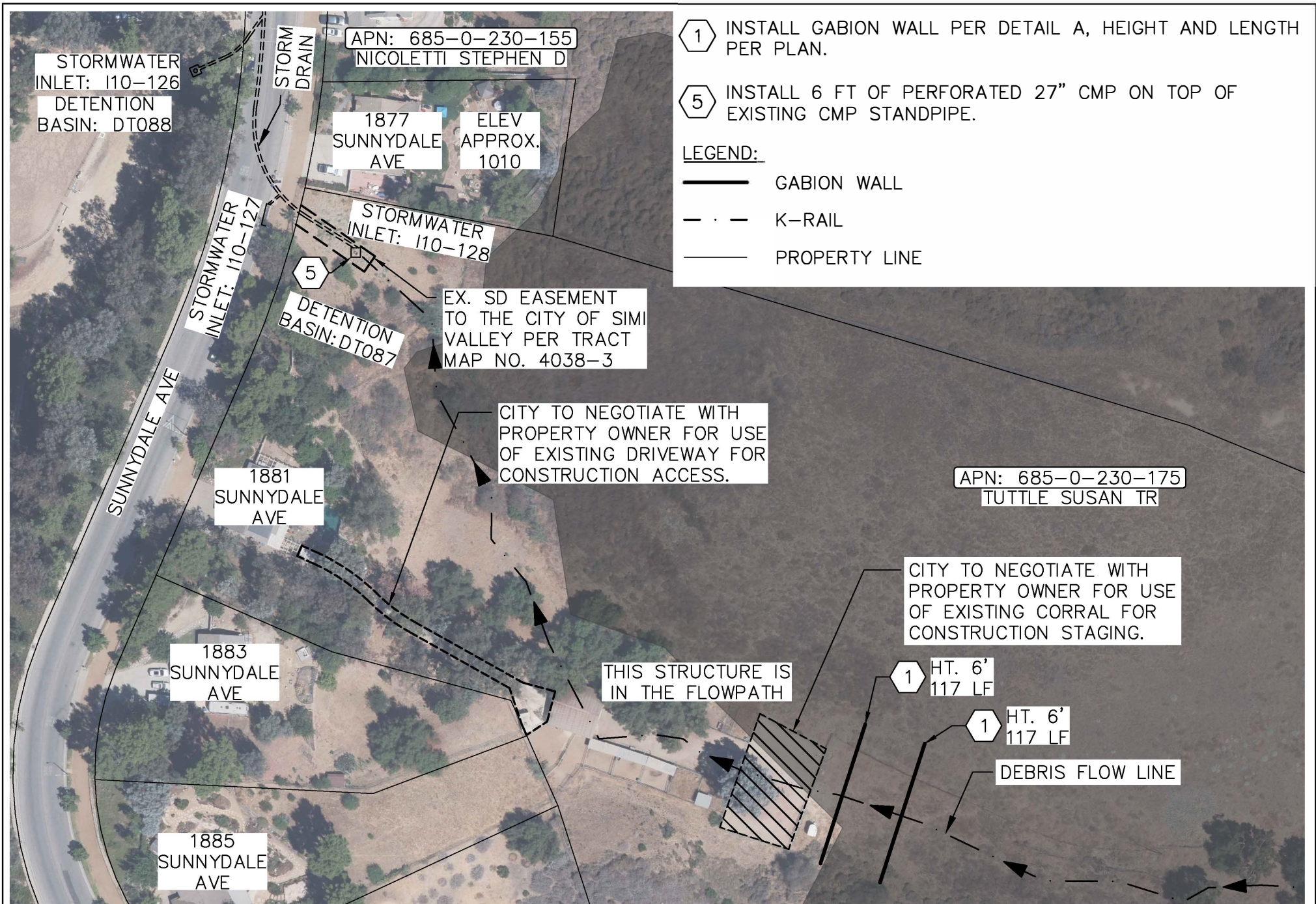
DRAWN BY	SCALE	DATE	SANDY FIRE DEBRIS FLOW MITIGATION AREA 3E CAMDEN VISTA CITY RESERVOIR	CITY OF SIMI VALLEY DEPARTMENT OF PUBLIC WORKS	DRAWING NO.	SHEET NO.
J.I.	1"=100'	10/02/26			SANDY FIRE EWPP PLAN - AREA 3.DWG	11 OF 15



- ① INSTALL GABION WALL PER DETAIL A, HEIGHT AND LENGTH PER PLAN.
- ③ INSTALL 1,213 LF OF SANDBAGS, 8" HIGH.
- ④ INSTALL 3,036 LF OF TEMPORARY FIBER ROLLS PER CALTRANS CONSTRUCTION SITE BMP MANUAL SC-5.



DRAWN BY	SCALE	DATE	SANDY FIRE DEBRIS FLOW MITIGATION AREA 4B – MAX CT. AND PETER PL.	CITY OF SIMI VALLEY DEPARTMENT OF PUBLIC WORKS	DRAWING NO.	SHEET NO.
B.Z.	1"=150'	10/02/26			SANDY FIRE EWPP PLAN – AREAS 2 4.DWG	12 OF 15

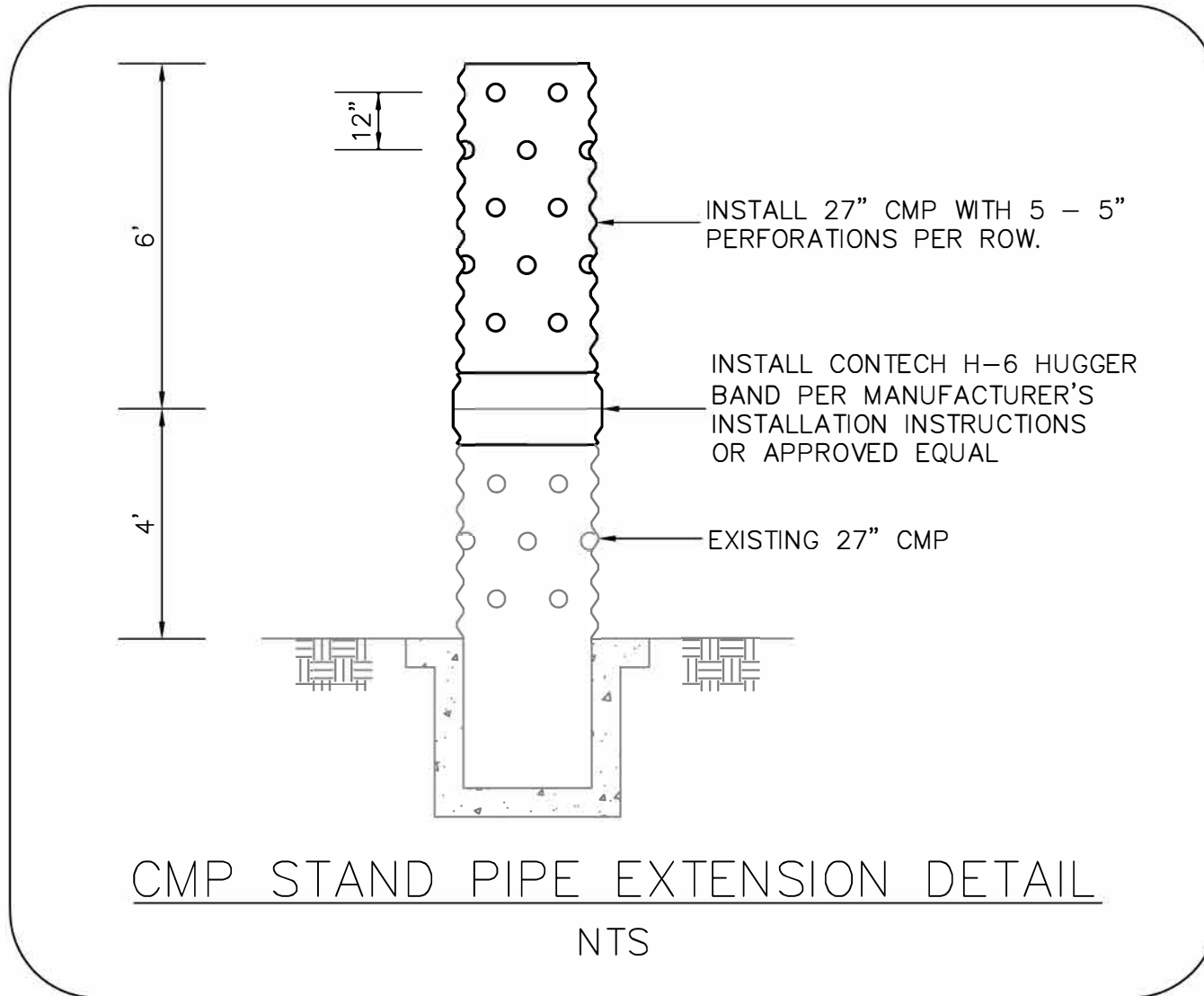


- ① INSTALL GABION WALL PER DETAIL A, HEIGHT AND LENGTH PER PLAN.
- ⑤ INSTALL 6 FT OF PERFORATED 27" CMP ON TOP OF EXISTING CMP STANDPIPE.

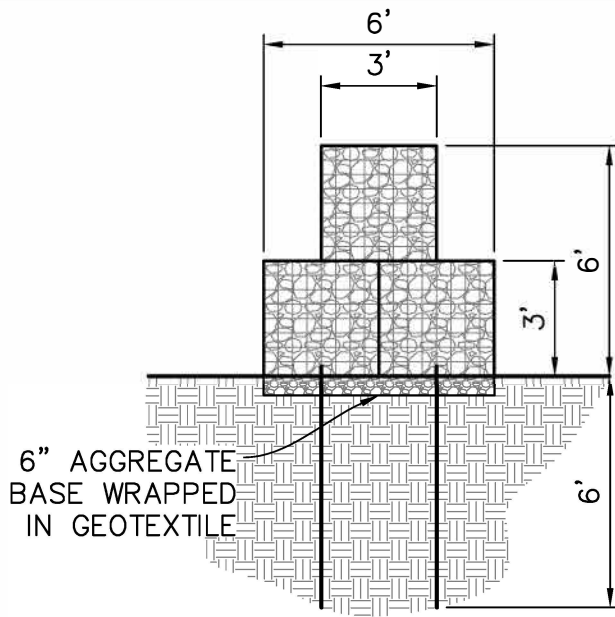
LEGEND:

- GABION WALL
- . - K-RAIL
- PROPERTY LINE

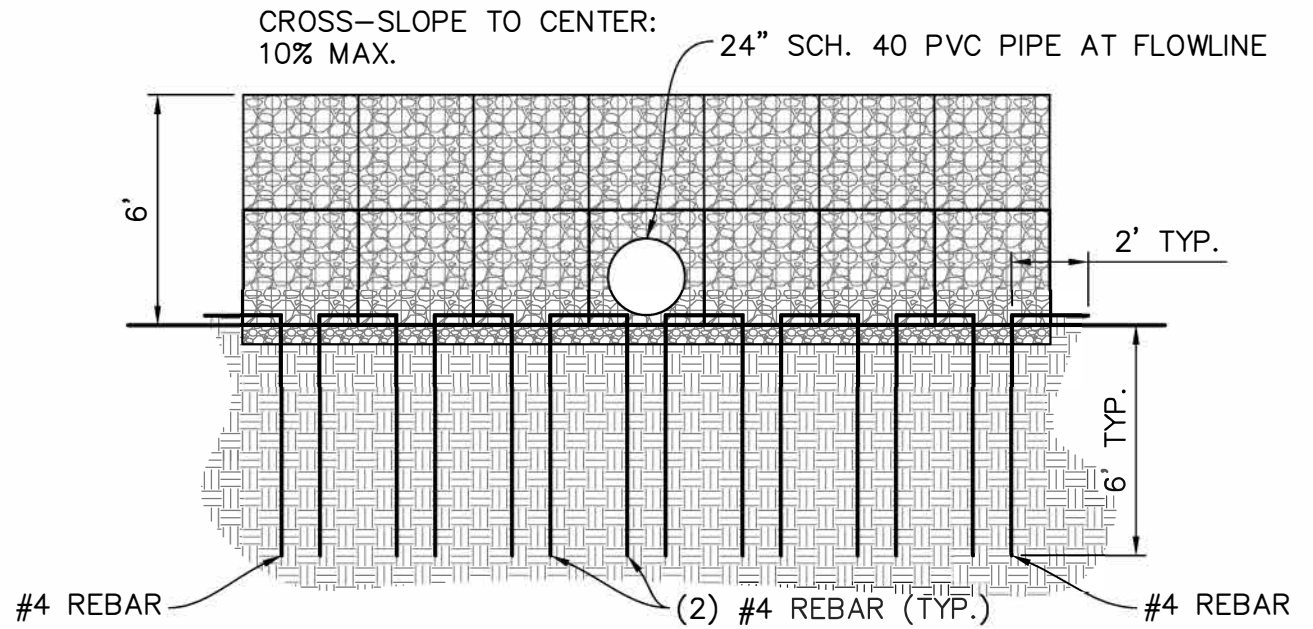
<u>DRAWN BY</u>	<u>SCALE</u>	<u>DATE</u>	<u>SANDY FIRE DEBRIS FLOW MITIGATION</u>	<u>CITY OF SIMI VALLEY</u>	<u>DRAWING NO.</u>	<u>SHEET NO.</u>
AF AND TC	1"=100'	10/02/26	AREA 5A — SUNNYDALE AVE.	DEPARTMENT OF PUBLIC WORKS	SANDY FIRE EWPP PLAN — AREA 5.DWG	13 OF 15



DRAWN BY	SCALE	DATE	SANDY FIRE DEBRIS FLOW MITIGATION AREA 5A - SUNNYDALE AVE.	 CITY OF SIMI VALLEY DEPARTMENT OF PUBLIC WORKS	DRAWING NO.	SHEET NO.
AF AND TC	NTS	10/02/26			SANDY FIRE EWPP PLAN - AREA 5.DWG	14 OF 15



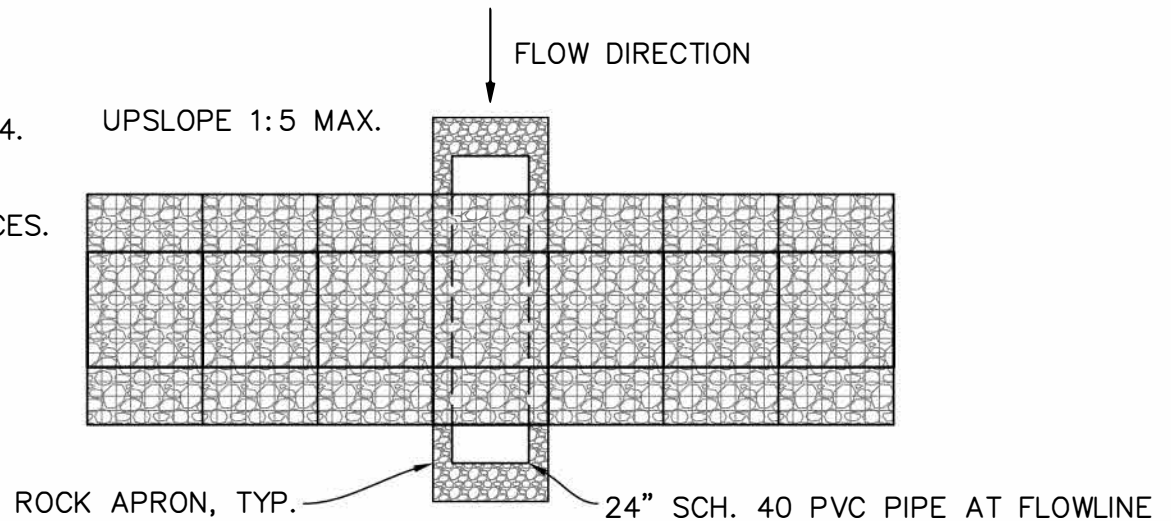
SECTION



ELEVATION

NOTES:

1. ROCK FILL 4" TO 8". WIRE ASTM A975 OR A974.
2. LACE ALL JOINTS.
3. CUT MESH FOR PIPE AND RE-LACE TO A WIRE RING. GROUT OR CONCRETE COLLAR BOTH FACES.



PLAN

DRAWN BY	SCALE	DATE	SANDY FIRE DEBRIS FLOW MITIGATION DETAIL A – GABION WALL	CITY OF SIMI VALLEY DEPARTMENT OF PUBLIC WORKS	DRAWING NO.	SHEET NO.
B.Z.	1"=5'	10/07/26			GABION WALL DETAIL.DWG	15 OF 15