

# **CITY OF MOORPARK DEPARTMENT OF PUBLIC WORKS**

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

**HIGH STREET BUS SHELTER IMPROVEMENT PROJECT  
CAPITAL IMPROVEMENT PROJECT NO. C0083**

**Specification No. MPK 26-03**

**CHRIS ENEGREN, MAYOR  
CHRIS BARRETT, COUNCILMEMBER  
DR. ANTONIO CASTRO, COUNCILMEMBER  
RENEE DELGADO, COUNCILMEMBER  
TOM MEANS, COUNCILMEMBER**

**PJ GAGAJENA, CITY MANAGER  
DANIEL KIM, P.E., CITY ENGINEER/PUBLIC WORKS DIRECTOR**

**BIDS TO BE OPENED ON Thursday, March 26, 2026  
AT 3:00 P.M.**

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<b>Prices:</b>		<b>City Clerk</b>
<b>Online</b>	<b>No charge</b>	<b>323 Science Drive</b>
<b>Picked Up</b>	<b>\$50.00</b>	<b>Moorpark, CA 93021</b>
<b>Mailed</b>	<b>\$60.00</b>	<b>(805) 517-6200</b>

CITY OF MOORPARK

**CONSTRUCTION DOCUMENTS**

FOR

NAME: High Street Bus Shelter Improvement Project (CIP C0083)

LOCATION: 467 East High Street

SPECIFICATION NO.: MPK 26-03

DATE: FEBRUARY 18, 2026

PREPARED BY:



Gregg Denson, ASLA  
Principal, Director of Design  
Architerra Design Group



Jeff Lubberts, S.E.  
Associate Principal  
RGSE, Inc.

REVIEWED BY:



Daniel Kim, P.E.  
City Engineer/Public Works Director  
City of Moorpark

CITY OF MOORPARK

DEPARTMENT OF PUBLIC WORKS

**NOTICE TO BIDDERS, SUBCONTRACTORS, AND SUPPLIERS**

If you discover any error or omission in the plans, specifications, or proposal, or have any question concerning the bidding documents, please contact:

Michelle Woomer  
City of Moorpark  
323 Science Drive  
Moorpark, CA 93021  
Phone: (805) 517-6233  
Email: mwoomer@moorparkca.gov

Advise the person answering the phone that you have a "Bidding Question." Please do not call other staff members or consultants.

All bids must be sealed and submitted at or before **3:00 p.m. on March 26, 2026**, to the following:

City Clerk  
City of Moorpark  
323 Science Dr.  
Moorpark, CA 93021

After the bid opening, bid results may be obtained by calling the Public Works Department. After Notice to Proceed is issued to the successful bidder, all contacts should be through Michelle Woomer, Senior Management Analyst at (805) 517-6233.

NOTE: Please mark the outside of the envelope (***and Express shipment envelope, if applicable***):

**High Street Bus Shelter Improvement Project**  
**Sealed Bids – Do Not Open with Regular Mail**  
**Bids to be opened at 3:00 p.m. on March 26, 2026**

**TABLE OF CONTENTS**

	<b><u>Page</u></b>
NOTICE INVITING SEALED BIDS.....	4
BID TERMS AND CONDITIONS.....	8
BID PROPOSAL .....	16
DOCUMENTS FOR EXECUTION BY SUCCESSFUL BIDDER .....	42
STANDARD SPECIFICATIONS.....	74
SPECIAL PROVISIONS.....	89
900 SPECIAL CONDITIONS .....	90
901 SPECIAL CONSTRUCTION REQUIREMENTS .....	94
902 MOBILIZATION, BONDS AND INSURANCE .....	99
903 TRAFFIC CONTROL .....	101
904 CONSTRUCTION SURVEY .....	105
905 STORMWATER POLLUTION CONTROL .....	107
906 TREE AND PLANT PROTECTION.....	113
907 DEMOLITION/SITE CLEARING .....	117
908 GRADING AND EXCAVATION .....	119
909 CONCRETE BUS PAD .....	120
910 PORTLAND CEMENT CONCRETE IMPROVEMENTS .....	123
911 PAVING AND SURFACING.....	125
912 BUS SHELTER STRUCTURE.....	127
913 SITE AMENITIES.....	131
914 RELEASE ON CONTRACT .....	132
APPENDICES.....	133
LIST OF APPENDICES .....	134
Appendix A: Release on Contract	
Appendix B: Notice to Property Owners and Residents	
Appendix C: Traffic Advisory Signs	
Appendix D: Ventura County Air Pollution Control Board Rule 55, Fugitive Dust	
Appendix E: Storm Water Prevention Control Plan (SWPCP)	
Appendix F: Encroachment Permits	
Appendix G: Construction Plan	

CITY OF MOORPARK

DEPARTMENT OF PUBLIC WORKS

ENGINEERING DIVISION

**NOTICE INVITING SEALED BIDS**

FOR

**HIGH STREET BUS SHELTER IMPROVEMENT PROJECT  
CAPITAL IMPROVEMENT PROJECT NO. C0083  
SPECIFICATION NO. MPK 26-03**

**NOTICE INVITING SEALED BIDS**

Pursuant to statute and to the authorization approved by the Council of the City of Moorpark, California, on February 18, 2026, and on file in the office of the City Clerk of said City, NOTICE IS HEREBY GIVEN that sealed bids for the **High Street Bus Shelter Improvement Project** will be received by the City Clerk, in the City Hall, 323 Science Drive, Moorpark, California, 93021, at or before **3:00 p.m. on March 26, 2026**, at which time they will be publicly opened and read. The official bid clock, which will establish the official bid time, will be determined by the City Clerk's Division of the City of Moorpark.

**SCOPE OF WORK:**

The work to be performed under this Contract generally consists of constructing a new bus shelter, reinforced concrete bus pad, and installing red brick pavers in front of 467 East High Street. The work includes the fabrication and installation of a bus shelter similar in design to the existing bus shelter at the Moorpark Metrolink Station, including its structural frame, roof system, glazing or paneling, weather-resistant finishes, and a matching bench. The contractor shall demolish the necessary portion of the existing sidewalk and install red brick pavers within the bus shelter footprint and surrounding area. The project also includes all work required to construct the reinforced concrete bus pad, including excavation, grading, sub-base preparation, and installation of all required footings and anchor hardware. The contractor shall deliver and install the completed shelter, trash receptacles and bench, ensuring all components are properly aligned and securely mounted per City direction. All work must comply with City of Moorpark standards, ADA requirements, and applicable safety regulations, and the contractor is responsible for verifying all field conditions and measurements prior to fabrication. The proposal shall be submitted, and the work performed by a State of California licensed contractor in strict conformance with the plans and specifications approved by the City Council on February 18, 2026, on file with the City's Public Works Department and City Clerk.

Plans and specifications can be viewed and downloaded, at no cost, online at <http://www.moorparkca.gov/Bids.aspx>. Copies of plans and specifications may be obtained by prospective bidders from the City Engineer/Public Works Department at 323 Science Drive, Moorpark, CA 93021, upon the payment of \$50, plus \$10 for handling fees, if mailed. All questions regarding the bid documents should be directed to Michelle Woomer, Senior Management Analyst, at (805) 517-6233.

It is the bidder's responsibility to check the City's website for any addenda that may be issued for this project prior to submittal of the bid. Failure to submit the required Addenda Acknowledgment with the bid proposal will disqualify the bidder.

All prospective bidders shall abide by the provisions of the Bid Terms and Conditions listed in the project's specifications.

The City reserves the right to retain all proposals for a period of 90 days after the bid opening date for examination, comparison, and to delete any portion of the work from the Contract. The City reserves the right to determine and waive unsubstantial irregularities in any proposal, to reject any or all proposals, to reject one part of a proposal, and accept the other. 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 delete any bid item to the extent that the bid is qualified by specific limitation. An unbalanced bid shall be considered as grounds for rejecting the entire bid. The City further reserves the right to make award to the lowest responsible bidder as the interest of the City may require.

The City will not consider awarding any contract, based upon any proposal submitted by any contractor, and the City will not consent to subletting any portions of the Contract to any subcontractor, located in a foreign country during any period in which such foreign country is listed by the United States Trade Representative as discriminating against U.S. firms in conducting procurements for public works projects.

No Contractor, or subcontractor, shall be listed on a bid proposal or awarded a contract for a public works project unless registered with the Department of Industrial Relations, pursuant to Labor Code section 1725.5. This project is subject to compliance, monitoring, and enforcement by the Department of Industrial Relations.

In accordance with the provisions of Division 2, Part 7, Chapter 1 of the California Labor Code, the California Department of Industrial Relations has established the general prevailing rates of per diem wages for each craft, classification, and type of work needed to execute contracts for public works and improvements. The per diem wages published at the date the contract is advertised for bids shall be applicable. Copies of the prevailing rate of per diem wages are on file at the California Department of Industrial Relations, <https://www.dir.ca.gov/Public-Works/Prevailing-Wage.html>. Future effective wage rates, which have been predetermined and on file with the Department of Industrial Relations, are referenced but not printed in said publication. The new wage rates shall become effective on the day following the expiration date and apply to this Contract in the same manner as if they had been included or referenced in this Contract.

All bids must be made on the Proposal Forms that are included in the Plans and Specifications No. MPK 26-03. Failure to include all of the Proposal Forms may disqualify the proposal. Bidders shall provide a properly executed Bidder's Bond (contained herein), cashier's check, or other bidder's security payable to the City of Moorpark to accompany the Proposal in the amount of ten percent (10%) of the total bid. The proceeds thereof will become the property of the City if the bidder fails to or refuses to execute the contract within ten (10) calendar days after the City has notified the bidder of intent to award the bid or within ten (10) calendar days after notice of the award has been sent by mail to the bidder, whichever occurs first.

The bidder to whom the Contract is awarded (Contractor) shall execute the Contract and furnish a surety bond in the amount of 100% of the Contract bid price guaranteeing the faithful performance of the Contract and to secure the payment of claims for materials and labor provided by others in performing the work.

The Contractor may substitute securities for retention monies pursuant to Public Contract Code, Section 22300.

CITY OF MOORPARK  
CITY ENGINEER/PUBLIC WORKS DEPARTMENT  
ENGINEERING DIVISION

**BID TERMS AND CONDITIONS**

FOR

**HIGH STREET BUS SHELTER IMPROVEMENT PROJECT  
CAPITAL IMPROVEMENT PROJECT NO. C0083  
SPECIFICATION NO. MPK 26-03**

## **BID TERMS AND CONDITIONS**

**Requirement to Meet All Bid Provisions** – Each bidder shall meet all of the specifications and bid terms and conditions. By virtue of the bid submission, the bidder acknowledges agreement with and acceptance of all provisions of the specifications, except as expressly qualified in the proposal. Unsubstantial deviations may be considered, provided that the bidder submits a full description and explanation of and justification for the proposed deviations. Whether any proposed deviation is unsubstantial will be determined by the City in its sole discretion.

**DIR Registration** – In accordance with the provisions of the California Labor Code, Section 1771.1, as amended by SB 854, unless registered with the Department of Industrial Relations (DIR), a contractor may not bid, not be listed as a sub-contractor, for any bid proposal submitted for public work on or after March 1, 2015, with certain expectations as set forth in Labor Code 1771.1(a). Further, a public entity cannot award a Public Works contract to a non-registered contractor or sub-contractor, effective April 1, 2015. As such, bidders must be registered with DIR. If any contractor, or sub-contractor, listed in a bid or proposal is believed to be exempt from registration, as set forth in Labor Code 1771.1(a), the bid proposal must set forth the claimed exemption. Failure to provide evidence of registration, or a valid exemption, at the time of bid submittal shall render the bid as non-responsive and shall act as a bar to award the Contract to any bidder not registered with DIR.

**License** – In accordance with the provisions of California Public Contract Code Section 3300, the City has determined that the Contractor shall possess a valid applicable Class A Contractor's License at the time the bid is submitted. Failure to possess the specified license shall render the bid as non-responsive and shall act as a bar to award the Contract to any bidder not possessing said license at the time of bid submittal.

**Maintenance of License** – The Contractor must be properly licensed as a contractor from Contract Award through Contract Acceptance (Public Contract Code § 10164).

**Communications Regarding Bid** – If a prospective bidder is in doubt as to the true meaning or intent of any part of the Contract Documents, or discovers discrepancies or omissions, the bidder may submit to the City Engineer a written request for an interpretation or a correction thereof. Interpretations or corrections of the Contract Documents shall be made only by addendum duly issued by the City Engineer. A copy of such addendum will be mailed or delivered to each potential bidder receiving a set of the Contract Documents. Such addendum shall be considered a part of, and incorporated, into the Contract Documents.

All timely requests for information submitted in writing will receive a written response from the City. Timely requests are those in which the City, in its sole judgment, can reasonably respond to before bid closing. Telephone communications with city staff are not encouraged but will be permitted. However, any such verbal communication shall not be binding on the City. No inquiries will be accepted later than five (5) business days prior to the bid opening date.

Sales Tax Reimbursements – For sales occurring within the City of Moorpark, the City is reimbursed a portion of the sales tax paid. Therefore, for bids from retail firms located in the City of Moorpark at the time of bid closing, for which sales tax is allocated to the City of Moorpark, 1% of the taxable amount of the bid will be deducted from the bid by the City in the calculation and determination of the lowest responsible bid (the 1% being the same percentage reimbursed to the City on the taxable amount of all purchases occurring within the City). In order to receive the 1% adjustment for sales tax reimbursed to the City, bids from contractors who intend to purchase taxable materials, supplies, or services in the City of Moorpark must indicate in the bid submittal the amount of sales tax which is to be deducted from the bid. Additionally, when a contractor's bid receives such an adjustment and becomes the lowest responsible bid, the contract amount will be reduced by the amount of the sales tax reimbursement indicated in the bid submittal. The Contractor will subsequently be reimbursed the amount deducted upon submission and verification of source documentation of the purchase of taxable materials, supplies, or services in the City of Moorpark in accordance with the bid submittal. In no case, however, shall the Contractor be reimbursed an amount greater than the amount of the adjustment indicated in the bid submittal. Contractors who furnish their own supplies or materials and calculate a tax paid to them are not eligible for the sales tax adjustment since the sales tax is allocated to the County and not the City.

Bidder's Bond Requirement – Bidders shall provide a properly executed Bidder's Bond (contained herein), cashier's check, or other bidder's security payable to the City of Moorpark to accompany the Proposal in the amount of ten percent (10%) of the total bid. The proceeds thereof will become the property of the City if the bidder fails to or refuses to execute the contract within ten (10) calendar days after the City has notified the bidder of intent to award the bid or within ten (10) calendar days after notice of the award has been sent by mail to the bidder, whichever occurs first. Additionally, the proceeds of the bidder's bond will become the property of the City if the bidder fails to or refuses to furnish satisfactory bonds or evidence of insurance required in the contract construction documents within ten (10) days after the bid has been awarded. The bond shall be sufficient and duly executed by a surety admitted to do business in the State of California. All bid bonds or substitutes therefore will be returned upon timely execution of the

Contract and the filing of satisfactory insurance certifications and bonds by successful bidder.

Bid Submission – Each bid must be submitted on the form(s) provided in the Proposal. The Proposal shall be enclosed in an envelope which shall be sealed and addressed to the City Clerk, City of Moorpark, 323 Science Drive, Moorpark, California 93021. In order to guard against premature opening, the Proposal shall be clearly labeled with the bid title, name of bidder, and date and time of bid opening. **If proposal is delivered to the City via Express Delivery, or other priority mail service, the above information must also be included on the outside shipment envelope.**

Submission of One Bid Only – No individual, or business entity of any kind, shall be allowed to make or file or to be interested in more than one bid, except an alternative bid when specifically requested. However, an individual who has quoted prices on materials to a bidder submitting a Proposal is not thereby disqualified from quoting prices to other bidders submitting proposals.

Bid Withdrawal – A bidder may withdraw its Proposal without prejudice prior to the time specified for the bid opening by submitting a written request to the City Clerk for its withdrawal. If this occurs, the Proposal will be returned to the bidder unopened. No proposal received after the time specified or at any place other than the place stated in the Notice Inviting Bids will be considered. All bids will be opened and declared publicly. Bidders, or their representatives, are invited to be present at the opening of the bids.

Bid Quotes and Unit Price Extensions – The extensions of unit prices for the quantities indicated and the lump sum prices quoted by the bidder must be entered in figures in the spaces provided on the Bid Submission Form(s). The Bid Submission Form(s) must be totally completed. If the unit price and the total amount stated by any bidder for any item are not in agreement, the unit price alone will be considered as representing the bidder's intention and the total will be corrected to conform to the specified unit price.

Bid Retention and Award – The City reserves the right to retain all proposals for a period of 90 days after the bid opening date for examination and comparison. The City also reserves the right to determine and waive unsubstantial irregularities in any proposal, to reject any or all proposals, to reject one part of a proposal and accept the other, except to the extent that the proposals are qualified by specific limitations, and to make award to the lowest responsible bidder as the interest of the City may require.

Labor Actions – In the event that the successful bidder is experiencing a labor action at the time of the award of the bid (or if its suppliers or subcontractors are experiencing such

a labor action), the City reserves the right to declare said bidder is no longer the lowest responsible bidder and may accept the next acceptable low bid from a bidder that is not experiencing a labor action and declare it to be the lowest responsive and responsible bidder.

Contract Requirement – The bidder to whom award is made, or notice of intent is given, shall execute a written contract with the City within ten (10) calendar days after notice of the award has been sent by mail to the address given in the Proposal or within ten (10) calendar days after receipt by bidder of oral communication of the intent to award, whichever occurs first. The Contract shall be made in the form adopted by the City and incorporated in these specifications. The bidder warrants that bidder possesses, or has arranged through subcontracts, all capital and other equipment, labor and materials to carry out and complete the work hereunder in compliance with all Federal, State, County, City and Special District Laws, Ordinances, and Regulations which are applicable; and further, bidder shall comply with all Federal, State, County, City and Special District Laws, Ordinances, and Regulations which are applicable.

Failure to Accept Contract – If upon notification of intent to award the bid by the City, the bidder fails to enter into the Contract within the specified time period, the pending award will be cancelled. Any bid security will be forfeited in accordance with these Bid Terms and Conditions if a bidder's bond or security is required. An award may be made to the next lowest responsible bidder who shall fulfill every term and condition of the bid.

Business Registration – The City's Business Registration Ordinance requires that a Business Registration Receipt be obtained before any business, trade, profession, enterprise, establishment, occupation, or calling is conducted within the City. Additional information regarding the City's Business Registration program may be obtained by calling (805) 517-6200.

Faithful Performance Bond Requirement – The bidder to whom the Contract is awarded (Contractor) shall execute the Contract and furnish a surety bond in the amount of 100% of the Contract bid price guaranteeing the faithful performance of the Contract. The bond shall remain in force for a period of one year after the date of recordation of Notice of Completion by City. The bond shall be sufficient and duly executed by a surety admitted to do business in the State of California.

Material Suppliers and Laborer Bond Requirement – The Contractor shall furnish a surety bond by an admitted surety in the amount of 100% of the Contract bid price to secure the payment of claims for materials and labor provided by others in performing the work. The

bond shall be sufficient and duly executed by a surety admitted to do business in the State of California.

Antitrust Claims – In accordance with Section 4552 of the Government Code, in submitting a bid to a public purchasing body, the bidder offers and agrees that if the bid is accepted, it will assign to the purchasing body all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Sec. 15) or under the Cartwright Act [Chapter 2 (commencing with Section 16700) of Part 2 of Division 7 of the Business and Professions Code], arising from purchases of goods, materials or services by the bidder for sale to the purchasing body pursuant to the bid. Such assignment shall be made and become effective at the time the purchasing body tenders final payment to the bidder. This assignment shall be made and become effective at the time the awarding body tenders final payment to the bidder without further acknowledgment by the parties.

Bid Rigging – The U.S. Department of Transportation (DOT) provides a toll-free hotline to report bid rigging activities. Use the hotline to report bid rigging, bidder collusion, and other fraudulent activities. The hotline number is (800) 424-9071. The service is available 24 hours 7 days a week and is confidential and anonymous. The hotline is part of the DOT's effort to identify and investigate highway construction contract fraud and abuse and is operated under the direction of the DOT Inspector General.

Prevailing Wages and Minority Group Skill Upgrade and Employment – Bidders are hereby notified that pursuant to the provisions of the California Labor Code, the California Department of Industrial Relations has ascertained the general prevailing rate of per diem wages and the general prevailing rate for legal holiday and overtime work in the locality in which this work is to be performed for each craft, classification, or type of worker needed to execute the Contract. Such wage scale is set forth at length in a Schedule of Prevailing Rates of Wages that is on file at the California Department of Industrial Relations and is available at:

<https://www.dir.ca.gov/OPRL/DPreWageDetermination.htm>

The published prevailing wage rates that the Contractor shall pay are hereby incorporated in and made a part these Bid Terms and Conditions.

The California Department of Industrial Relations current wage rates shall apply for this project. The wage rate for any classification not listed by the California Department of Industrial Relations, but which may be required to execute the Contract, shall be in accord with specified rates for similar or comparable classifications or for those performing similar or comparable duties, within the Agencies' determinations.

Public Records Act – All information contained in the Proposal, and the Proposal itself, is public information once opened, unless it is bona fide trade secret information and is labeled as such. Any California Public Records Act request for information labeled as a trade secret shall be forwarded to the bidder for legal defense. Failure on the part of the bidder to promptly defend against any such request or action shall be deemed an unqualified waiver of the confidentiality of all trade secret information in the Proposal.

Recycled Purchase Requirement – Bidders are hereby notified that pursuant to the provisions of Sections 22150 – 22154 of the California Public Contract Code, the City is required to purchase recycled products, as defined in Section 12200 of the same Code, if the product fitness and quality are equal to the non-recycled product and available at the same or a lesser total cost than non-recycled items. Bidders shall offer products and prices to the City that meets these requirements.

Accuracy of Specifications – The specifications and the plans for this project are believed by the City to be accurate and to contain neither misrepresentation nor any concealment of any material fact. Bidders are cautioned to undertake an independent analysis of any test results in the specifications, as the City does not guarantee the accuracy of its interpretation of test results contained in the bid package. In preparing its proposal, bidder and all subcontractors named in bidder's proposal shall bear sole responsibility for bid preparation errors resulting from any misstatements or omissions in the plans and specifications, which could have been ascertained by examining either the project site or accurate test data in the City's possession.

Although the effect of ambiguities or defects in the plans and specifications will be as determined by law, any patent ambiguity or defect shall give rise to a duty of bidder to inquire prior to bid submission. Failure to so inquire shall cause any such ambiguity or defect to be construed against the bidder and/or waiver of any defect by the bidder. An ambiguity or defect shall be considered patent if it is of such a nature that the bidder, assuming reasonable skill, ability, and diligence on bidder's part, knew or should have known of the existence of the ambiguity or defect. Furthermore, failure of the bidder or subcontractors to notify City in writing of bid specifications or plans defects or ambiguities prior to bid submission shall waive any right to assert said defects or ambiguities subsequent to submission of the bid.

To the extent that these specifications constitute Performance Specifications, the City shall not be liable for costs incurred by the successful bidder to achieve the project's objective or standard beyond the amounts provided therefore in the bid.

In the event that, after awarding the bid, any dispute arises as a result of any actual or alleged ambiguity or defect in the plans and/or specifications, or over any other matter whatsoever, Contractor shall immediately notify City in writing and Contractor and all subcontractors shall continue to perform, irrespective of whether or not the ambiguity or defect is major, material, minor or trivial, and irrespective of whether or not a change order, time extension, or additional compensation has been granted by City. Failure to provide the hereinbefore described written notice within one (1) working day of Contractor's becoming aware of the facts giving rise to the dispute shall constitute a waiver of the right to assert the causative role of the defect or ambiguity in the plans or specifications concerning the dispute.

CITY OF MOORPARK  
DEPARTMENT OF PUBLIC WORKS  
ENGINEERING DIVISION

**BID PROPOSAL**

FOR

**HIGH STREET BUS SHELTER IMPROVEMENT PROJECT  
CAPITAL IMPROVEMENT PROJECT NO. C0083  
SPECIFICATION NO. MPK 26-03**

**CONTRACTOR NAME:** \_\_\_\_\_

**SUBMIT PAGES 17 THROUGH 42 FULLY EXECUTED WITH THIS PROPOSAL**

**LIST OF DOCUMENTS**  
**TO BE SUBMITTED WITH PROPOSAL**

FOR

**HIGH STREET BUS SHELTER IMPROVEMENT PROJECT**

Bid Proposal Cover Page .....	Page 17
List of Documents to be Submitted with Proposal .....	Page 18
Proposal Sheet.....	Page 19
Instructions for Signing Proposal, Bonds, and Contract .....	Page 20
Contractor’s Proposal Statement .....	Page 21
Proposed Schedule of Work and Prices.....	Page 23
Bidder’s Bond to Accompany Proposal .....	Page 27
Form to Accompany Bid Bond.....	Page 28
Statement of Bidder’s Qualifications and References .....	Page 29
Statement of Bidder’s Past Contract Disqualifications.....	Page 31
Questionnaire Regarding Subcontractors .....	Page 32
Bidder’s Statement and List of Subcontractors and Material Fabricators.....	Page 33
Non-Collusion Affidavit.....	Page 35
Equal Employment Opportunity Certification.....	Page 36
Public Contract Code Statement .....	Page 37
Industrial Safety Record Form.....	Page 39
Compliance with Environmental, Health, and Safety Standards .....	Page 40
California Air Resources Board .....	Page 41
Addenda Acknowledgement Form .....	Page 42

DEPARTMENT OF PUBLIC WORKS

**PROPOSAL**

FOR

**HIGH STREET BUS SHELTER IMPROVEMENT PROJECT**

Specification No.: MPK 26-03

Bids to be received on: March 26, 2026, at 3:00 p.m.

Completion Time: 120 Consecutive Working Days after Receipt of Notice to Proceed

Liquidated Damages: \$1,000 per Calendar Day

Number of Pages in Proposal: 25

CONTRACTOR

Name \_\_\_\_\_

Street Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_ Zip Code \_\_\_\_\_

Telephone Number \_\_\_\_\_

Fax Number \_\_\_\_\_

Email \_\_\_\_\_

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 delete any bid item to the extent that the bid is qualified by specific limitation. An unbalanced bid shall be considered as grounds for rejecting the entire bid.

## **INSTRUCTIONS FOR SIGNING PROPOSAL, BONDS AND CONTRACT**

### **Corporations**

- a) Give name of Corporation.
- b) Signatures: President or Vice-president and Secretary or Assistant Secretary.
- c) Affix corporate seal and notary's acknowledgment.
- d) Others may sign for the corporation if the City has been furnished a certified copy of a resolution of the corporate board of directors authorizing them to do so.

### **Partnerships**

- a) Signatures: All members of partnership. One may sign if City has a copy of authorization.
- b) Affix notary's acknowledgment.

### **Joint Ventures**

- a) Give the names of the joint ventures.
- b) Signatures: All joint ventures. One may sign if City has a copy of authorization.
- c) Affix notary's acknowledgment.

### **Individuals**

- a) Signature: The individual.
- b) Affix notary's acknowledgment.
- c) Another may sign for the individual if the City has been furnished a notarized power-of-attorney authorizing the other person to sign.

### **Fictitious Names**

- a) Show fictitious names.
- b) Satisfy all pertinent requirements shown above.

### **Bonds**

- a) In addition to all pertinent requirements above, give signature of Attorney-in-fact and apply surety's seal and provide address and telephone number of said surety.

**PLEASE ADHERE TO THE APPLICABLE SIGNING INSTRUCTIONS. ALL  
BLANKS IN THE BID PROPOSAL MUST BE APPROPRIATELY RESPONDED  
TO. IF AN ANSWER OR RESPONSE IS NOT APPLICABLE, PLEASE RESPOND  
WITH "N/A." FAILURE TO DO SO MAY RENDER A BID AS NON-RESPONSIVE  
AND BE THE BASIS FOR REJECTING AN ENTIRE PROPOSAL.**

**CONTRACTOR'S PROPOSAL STATEMENT**

FOR

**HIGH STREET BUS SHELTER IMPROVEMENT PROJECT**

City of Moorpark  
Moorpark, California 93021

Pursuant to the foregoing Notice Inviting Bids, the undersigned declares that he/she has carefully examined the location of the proposed work, that he/she has examined the Plans and Specifications and read the accompanying instructions to bidders, and hereby proposes to furnish all materials and to do all the work required to complete such work in accordance with such Plans and Specifications for the prices set forth in this Proposal.

The undersigned has carefully checked all the figures in this Proposal and understands that City will not be responsible for any error or omission on the part of the undersigned in preparing this bid nor will City release the undersigned on account of such error or omission.

The undersigned swears or affirms under penalty of perjury that the information regarding the Contractor's License is true and correct.

The undersigned further agrees that in case of default in executing the required Contract within the applicable ten (10) calendar days or thereafter failing to provide the necessary bonds, within ten (10) calendar days after the contract has been fully executed, the proceeds of check or bond accompanying the bid shall become the property of the City of Moorpark.

Licensed in accordance with an act providing for the registration of Contractor's License

No. \_\_\_\_\_ Class \_\_\_\_\_ Expiration Date \_\_\_\_\_

DIR Registration No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

Names of Co-Partners or Corporate Officers and Titles: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Signature of Bidder \_\_\_\_\_

Title

Signature of Bidder \_\_\_\_\_

Title

Name of Contractor or Firm \_\_\_\_\_ Date of Submittal \_\_\_\_\_, 2026

\_\_\_\_\_ Telephone No. (\_\_\_\_) \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

Doing Business as Individual/Partnership/Corporation \_\_\_\_\_ State of Incorporation

(Corporate Seal)

Federal Tax Identification Number: \_\_\_\_\_

**ALL SIGNATURES MUST BE NOTARIZED**  
**(ATTACH OR AFFIX EXECUTED ACKNOWLEDGEMENT FORM**  
**AND CORPORATE SEAL)**

**PROPOSED SCHEDULE OF WORK AND PRICES**

FOR

**HIGH STREET BUS SHELTER AND CONCRETE BUS PAD  
CONSTRUCTION PROJECT**

Item No.	Payment Ref.	Item Description	Quantity	Unit	Unit Price	Amount
1	902-3	Mobilization, Bonds and Insurance	1	LS		
2	903-8	Traffic Control	1	LS		
3	904-3	Construction Survey	1	LS		
4	905-3	Stormwater Pollution Control	1	LS		
5	906-6	Tree and Plant Protection (Per Detail on Plan Sheet 2)	1	LS		
6	907-3	Demolition/Site Clearing (Sidewalk, driveway apron, curb & gutter, asphalt paving)	1	LS		
7	908-2	Grading and Excavation	1	LS		
8	909-4	Concrete Bus Pad (Per SP 131-2 on Plan Sheet 4)	500	SF		
9	910-5	P.C.C. 6" Vehicular Curb and 24" Gutter (Per SP 120-2 on Plan Sheet 4)	60	LF		
10	910-5	4" P.C.C. Sidewalk	80	SF		
11	911-2	Paving and Surfacing (Brick Pavers with Header Band)	450	SF		
12	912-6	Bus Shelter Structure (Fabrication, Installation, Anchoring, Foundation)	1	LS		
13	913-2	Bench	1	EA		
14	913-2	Trash/Recycle Receptacles	2	EA		

15	913-2	Bus Stop Signpost Installation	1	EA		
16	914-2	Release of Contract	1	EA	\$1.00	\$1.00

Total Amount of Bid for Schedule of Work: \$ \_\_\_\_\_

\_\_\_\_\_  
(Price in words)

Contractor's Name: \_\_\_\_\_

**PROPOSED SCHEDULE OF WORK AND PRICES**

**HIGH STREET BUS SHELTER AND CONCRETE BUS PAD  
CONSTRUCTION PROJECT  
\*ADDITIONS/DEDUCTIONS**

COMINBED TOTAL BID AMOUNT		\$ _____
	Bid Item No.	New Total
Addition for:	_____	_____ + _____
Addition for:	_____	_____ + _____
Addition for:	_____	_____ + _____
Deduction for:	_____	_____ - _____
Deduction for:	_____	_____ - _____
Deduction for:	_____	_____ - _____
Adjusted Total Bid Amount:		\$ _____

Adjusted Total Bid Amount in Words: \_\_\_\_\_

\*\*Sales Tax Adjustment (If Applicable) \_\_\_\_\_

\* Provisions are made for the bidder to include additions or deductions in price for bid item(s) to reflect last-minute adjustments in bidder's total bid amount. The bid item for which the addition or deduction in price is made shall be listed by the bidder as indicated above. The unit price for that item (if applicable) shall be adjusted by dividing the bid quantity into the new total amount as determined after adding or subtracting the amount listed by the contractor for such item.

\*\* Sales tax deduction entered on this line is the amount the bid is to be reduced in order to receive credit for purchases made in the City of Moorpark pursuant to Bid Terms and Conditions, Sales Tax Reimbursements.

The following addenda are acknowledged:

	Number	Date
(Bidder must fill in number and date of each addendum or may enter the word "None" if appropriate.)	_____	_____
	_____	_____
	_____	_____

QUANTITIES OF WORK:

The quantities of work or material stated on the Bid Schedule(s) are estimated amounts based on field observations. The City does not expressly, nor by implication, agree that the actual quantities of work or material will correspond therewith, and reserves the right after award to increase or decrease the quantity of any bid item by an amount up to 25 percent without a change in the bidder's unit price. The City shall also have the right to delete any bid item in its entirety and receive full credit in the amount shown in the Bid Schedule(s) for the deleted item or work.

I make this proposed Bid Amount and certify under penalty of perjury that all the statements in this proposal that I have signed are true and correct.

Contractor's Name \_\_\_\_\_

Signature \_\_\_\_\_ Date \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_

\_\_\_\_\_ Title \_\_\_\_\_ Title \_\_\_\_\_

License No. \_\_\_\_\_ Class \_\_\_\_\_ Expiration Date \_\_\_\_\_

DIR Registration No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

**ALL SIGNATURES MUST BE NOTARIZED**  
**(ATTACH OR AFFIX EXECUTED ACKNOWLEDGEMENT FORM**  
**AND CORPORATE SEAL)**

**BIDDER’S BOND TO ACCOMPANY PROPOSAL**

(in lieu of cash, certified or cashier’s check)

KNOW ALL PERSONS BY THESE PRESENTS:

That we, \_\_\_\_\_, as Principal, and \_\_\_\_\_  
\_\_\_\_\_, as Surety, acknowledge ourselves jointly and severally bound to the City of Moorpark, the obligee, for ten (10) percent of the total bid, to be paid to the City if the Proposal shall be accepted and the Principal shall fail to timely provide the City with complete DBE information as required by in the project Special Provisions, (if applicable), or fails to execute the Contract tendered by the City within the applicable time specified in the Bid Terms and Conditions, or fails to furnish either the required Faithful Performance or Labor and Material Bonds, or fails to furnish evidence of insurance as required in the Standard Specifications, then this obligation shall become due and payable, and Surety shall pay to obligee, in case suit is brought upon this bond in addition to the bond amount hereof, court costs and a reasonable attorney's fee to be fixed by the court. If the Principal executes the contract and furnishes the required bonds and evidence of insurance as provided in the contract documents, this bond shall be extinguished and released. It is hereby agreed that bid errors shall not constitute a defense to forfeiture.

WITNESS our hands this \_\_\_\_\_ day of \_\_\_\_\_, 2026.

\_\_\_\_\_  
Principal

By \_\_\_\_\_

Title \_\_\_\_\_

By \_\_\_\_\_

Title \_\_\_\_\_

Surety \_\_\_\_\_

By \_\_\_\_\_

Title \_\_\_\_\_

**FORM TO ACCOMPANY BID BOND**

STATE OF CALIFORNIA )  
COUNTY OF ) SS.  
CITY OF )

On this \_\_\_\_ day of \_\_\_\_\_, 2026, before me, the undersigned, a Notary Public in and for said County and State, residing therein, duly commissioned and sworn, personally appeared \_\_\_\_\_ know to be the \_\_\_\_\_ of \_\_\_\_\_ and the same person whose name is subscribed to the within instrument as the \_\_\_\_\_ of said \_\_\_\_\_ and the said \_\_\_\_\_ duly acknowledged to me that he/she subscribed the name of \_\_\_\_\_ thereto as Surety and his/her own name as \_\_\_\_\_.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in the certificate first above written.

\_\_\_\_\_  
Notary Public in and for said  
County and State aforesaid.

If certified or cashier's check is submitted herewith, state check number \_\_\_\_\_ and amount \$ \_\_\_\_\_.

**STATEMENT OF BIDDER'S QUALIFICATIONS AND REFERENCES**

The bidder is required to state the bidder's financial ability and a general description of similar work performed.

Required Qualifications: Bidders must hold a valid State of California Contractor's License ("A") at the time the bid is submitted to the City, and must have satisfactorily completed at least three Southern California municipal projects in the last five years of comparable size to the scope of this project.

Number of years engaged in providing the work included within the scope of the specifications under the present business name: \_\_\_\_\_

Number of years your organization has been in business under its present business name: \_\_\_\_\_

Under what other names has your organization operated? \_\_\_\_\_  
\_\_\_\_\_

If your organization is a corporation, please answer the following:

- Date of Incorporation: \_\_\_\_\_
- State of Incorporation: \_\_\_\_\_
- Corporate ID Number: \_\_\_\_\_
- President's Name: \_\_\_\_\_

If your organization is a partnership, please answer the following:

- Date of Organization: \_\_\_\_\_
- Type of Partnership (if applicable): \_\_\_\_\_
- Partner Name: \_\_\_\_\_
- Partner Name: \_\_\_\_\_

If your organization is individually owned, please answer the following:

- Date of Organization: \_\_\_\_\_
- Owner Name: \_\_\_\_\_

List and describe fully the last three contracts performed by your firm which demonstrate your ability to complete the work included with the scope of the specifications. Attach additional pages if required. The City reserves the right to contact each of the references listed for additional information regarding your firm's qualifications.

**Reference No. 1**

Customer Name: \_\_\_\_\_  
Contact Individual: \_\_\_\_\_ Phone No. \_\_\_\_\_  
Address: \_\_\_\_\_  
Contract Amount: \_\_\_\_\_ Year: \_\_\_\_\_  
Scope of Work: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Reference No. 2**

Customer Name: \_\_\_\_\_  
Contact Individual: \_\_\_\_\_ Phone No. \_\_\_\_\_  
Address: \_\_\_\_\_  
Contract Amount: \_\_\_\_\_ Year: \_\_\_\_\_  
Scope of Work: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**Reference No. 3**

Customer Name: \_\_\_\_\_  
Contact Individual: \_\_\_\_\_ Phone No. \_\_\_\_\_  
Address: \_\_\_\_\_  
Contract Amount: \_\_\_\_\_ Year: \_\_\_\_\_  
Scope of Work: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

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



**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)

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

**BIDDER’S STATEMENT AND LIST OF SUBCONTRACTORS  
AND MATERIAL FABRICATORS**

Without exception, the bidder is required to state the name and address of each subcontractor and the portion of the work which each will do as required by Section 3-3, “Subcontractors”, of the Standard Specifications and in conformance with Public Contracts Code, Sections 4100 to 4113, inclusive.

Without limiting the generality of the foregoing, any contractor making a bid or offer to perform the work, shall set forth in the Proposal:

(a) The name and the 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, 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 one percent of the prime contractor's total bid or ten thousand dollars (\$10,000), whichever is greater; and

(b) The portion of the work which will be done by each subcontractor. The prime contractor shall list only one subcontractor for each portion.

The undersigned submits herewith a list of subcontractors in conformance with the foregoing (attach additional sheets, if necessary):

Licensed Subcontractor Name & Address	License No. & Class	DIR No.	Item No. of Work or Trade to be Used	Estimated Amount (\$)

**BIDDER'S STATEMENT OF SUBCONTRACTORS**  
**AND MATERIAL FABRICATORS**  
(Continued)

Contractor's Name \_\_\_\_\_

\_\_\_\_\_  
Signature \_\_\_\_\_ Date \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_

\_\_\_\_\_  
Title \_\_\_\_\_ Title \_\_\_\_\_

License No. \_\_\_\_\_ Class \_\_\_\_\_ Expiration Date \_\_\_\_\_

DIR Registration No. \_\_\_\_\_ Expiration Date \_\_\_\_\_

**ALL SIGNATURES MUST BE NOTARIZED**  
**(ATTACH OR AFFIX EXECUTED ACKNOWLEDGEMENT FORM**  
**AND CORPORATE SEAL)**

**NON-COLLUSION AFFIDAVIT**

(Title 23 United States Code Section 112 and  
Public Contract Code Section 7106)

To the CITY of MOORPARK  
*DEPARTMENT OF PUBLIC WORKS.*

In accordance with Title 23 United States Code Section 112 and Public Contract Code 7106 the bidder declares that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

Note: The above Non-collusion Affidavit is part of the Proposal. THE BIDDER'S EXECUTION ON THE SIGNATURE PORTION OF THE PROPOSAL STATEMENT SHALL ALSO CONSTITUTE AN ENDORSEMENT AND EXECUTION OF THIS NON-COLLUSION AFFIDAVIT. Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

**EQUAL EMPLOYMENT OPPORTUNITY CERTIFICATION**

The bidder hereby certifies that the bidder \_\_\_\_\_ and proposed subcontractor(s) \_\_\_\_\_ (if any), have \_\_\_\_\_, or have/has not \_\_\_\_\_, participated in a previous contract or subcontract subject to the Equal Opportunity Clauses, as required by Executive Orders 10925, 11114, or 11246, 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 (EEO-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.

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

**PUBLIC CONTRACT CODE**

**Public Contract Code Section 10285.1 Statement**

In conformance with Public Contract Code Section 10285.1 (Chapter 376, Stats. 1985), the bidder hereby declares under penalty of perjury under the laws of the State of California that the bidder has \_\_\_\_\_, has not \_\_\_\_\_ been convicted within the preceding three years of any offenses referred to in that section, including any charge of fraud, bribery, collusion, conspiracy, or any other act in violation of any state or Federal antitrust law in connection with the bidding upon, award of, or performance of, any public works contract, as defined in Public Contract Code Section 1101, with any public entity, as defined in Public Contract Code Section 1100, including the Regents of the University of California or the Trustees of the California State University. The term "bidder" is understood to include any partner, member, officer, director, responsible managing officer, or responsible managing employee thereof, as referred to in Section 10285.1.

Note: The bidder must place a checkmark after "has" or "has not" in one of the blank spaces provided. The above Statement is part of the Proposal. Signing this Proposal on the signature portion thereof shall also constitute signature of this Statement. Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

**Public Contract Code Section 10162 Questionnaire**

In conformance with Public Contract Code Section 10162, the Bidder shall complete, under penalty of perjury, the following questionnaire:

Has the bidder, any officer of the bidder, or any employee of the bidder who has a proprietary interest in the bidder, ever been disqualified, removed, or otherwise prevented from bidding on, or completing a federal, state, or local government project because of a violation of law or a safety regulation?

Yes \_\_\_\_\_ No \_\_\_\_\_

If the answer is yes, explain the circumstances in the following space:

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### **Public Contract Code 10232 Statement**

In conformance with Public Contract Code Section 10232, the Contractor, hereby states under penalty of perjury, that no more than one final unappealable finding of contempt of court by a federal court has been issued against the Contractor within the immediately preceding two-year period because of the Contractor's failure to comply with an order of a federal court which orders the Contractor to comply with an order of the National Labor Relations Board.

Note: The above Statement and Questionnaire are part of the Proposal. THE BIDDER'S EXECUTION ON THE SIGNATURE PORTION OF THE PROPOSAL STATEMENT SHALL ALSO CONSTITUTE AN ENDORSEMENT AND EXECUTION OF THIS NON-COLLUSION AFFIDAVIT. Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

**INDUSTRIAL SAFETY RECORD FORM**

Bidder's Name: \_\_\_\_\_

	Current Year of Record	2025	2024	2023	2022	2021	Total
Number of Contracts							
Total Dollar Amount of Contracts (\$1,000s)							
Number of Fatalities							
Number of Lost Workday Cases							
Number of Lost Workday Cases Involving Permanent Transfer to Another Job, Termination of Employment							

The above information was compiled from the records that are available at this time and that the information is true and accurate within the limitations of those records.

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

**COMPLIANCE WITH ENVIRONMENTAL, HEALTH  
AND SAFETY STANDARDS**

The Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) prohibits employers from knowingly discharging or releasing a chemical known to the State of California to cause concern, birth defects or other reproductive harm into water or onto land where such chemical passes or, in all probability, will pass into any source of drinking water. Notwithstanding any provision in this Act exempting Contractor, Contractor hereby agrees to comply with all provisions of the Act relating to the discharge of hazardous chemicals on the job site.

Contractor fully agrees that Contractor, Contractor's employees, and subcontractors shall not discharge such chemicals on the job site which will result in the discharge of such chemicals, and shall, upon completion of performance of all other duties under this contract, remove all supplies, materials and waste remaining on the job site which if exposed, could result in the discharge of such chemicals. Contractor shall be financially responsible for compliance with Proposition 65.

Contractor shall also comply with state of California anti-smoking laws which, in part, prohibit smoking in the workplace and enclosed areas.

Should Contractor, Contractor's employees, or subcontractors or their employees fail to comply, within 24 hours from the time City issues and Contractor receives a written notice of non-compliance or within the time of an abatement period specified by any government agency, whichever period is shorter, City may give notice of default to Contractor, and at the City's option, elect any and all rights or remedies set forth in this agreement.

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

**CALIFORNIA AIR RESOURCES BOARD**  
**IN-USE OFF-ROAD DIESEL-FUELED FLEETS REGULATION COMPLIANCE**

This project is subject to the amendments in Sections 2449, 2449.1, and 2449.2, Title 13, California Code of Regulations (CCR). For construction activity involving the use of off-road diesel fueled vehicles subject to the regulation, the prime contractor must provide evidence of their current and valid California Air Resources Board (CARB) Certificate of Reported Compliance (Certificate) for their fleets, any rental fleet equipment, and all subcontractors.

**All CARB Certificates must be obtained prior to the bid opening and copies must be submitted with the bid package.** No contract will be awarded without proof of the contractor's and subcontractors' Certificates being valid and current at the time of bid opening, unless the contractor confirms that no equipment subject to the regulation will be used to execute the contract work.

For additional information regarding this regulation visit:

<https://ww2.arb.ca.gov/resources/fact-sheets/fact-sheet-contracting-requirements>

Bidder hereby certifies that it, and all its subcontractors, will conform to the requirements set forth in Sections 2449, 2449.1, and 2449.2, Title 13, CCR.

Bidder: \_\_\_\_\_, hereby certifies:  
Bidder's Name

**SELECT ONE (1) OF THE OPTIONS BELOW:**

- OPTION A:** There will **NOT** be any use of Off-Road Diesel Vehicles subject to Sections 2449, 2449.1, and 2449.2, Title 13, CCR on this project.
  
- OPTION B:** There **will** be use of Off-Road Diesel Vehicles subject to the regulation on this project.

For Option B, Bidder further acknowledges the following:

1. To be eligible for award of contract, Bidder shall provide copies of current and valid CARB Certificates for their fleets, any rental fleet equipment, and all listed subcontractors, with the bid package.
2. Failure to submit this form or comply with any of the above requirements may result in the bid to be found non-responsive, and the bid bond forfeited.
3. Bidder shall ensure that their fleet as well as all rental and subcontractor fleets maintain active and current CARB certification for the duration of the project.

**ADDENDA ACKNOWLEDGMENT FORM**

Bidder's Name: \_\_\_\_\_

The Bidder shall signify receipt of all Addenda here, if any:

<b>Addendum Number</b>	<b>Date Received</b>	<b>Signature</b>

If there are more Addenda than there is room in the chart above, attach another page acknowledging receipt of the Addenda.

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

CITY OF MOORPARK

DEPARTMENT OF PUBLIC WORKS

ENGINEERING DIVISION

**DOCUMENTS FOR EXECUTION BY SUCCESSFUL BIDDER**

FOR

**HIGH STREET BUS SHELTER IMPROVEMENT PROJECT**

**CAPITAL IMPROVEMENT PROJECT NO. C0083**

**SPECIFICATION NO. MPK 26-03**

**LIST OF DOCUMENTS FOR  
EXECUTION BY SUCCESSFUL BIDDER**

Typical Agreement .....Page 45

Bond for Faithful Performance .....Page 65

Form to Accompany Bond for Faithful Performance.....Page 67

Bond for Material Suppliers and Laborers .....Page 68

Form to Accompany Bond for Material Suppliers and Laborers .....Page 70

Worker’s Compensation Insurance Certificate .....Page 71

General Liability Special Endorsement.....Page 72

Automobile Liability Special Endorsement .....Page 73

Data Universal Numbering System (D-U-N-S) Number.....Page 74

**AGREEMENT BETWEEN THE CITY OF MOORPARK AND \_\_\_\_\_, FOR THE  
HIGH STREET BUS SHELTER IMPROVEMENT PROJECT (CIP NO. C0083),  
SPECIFICATION NO. MPK 26-03**

**THIS AGREEMENT**, is made and effective as of this \_\_\_\_\_ day of \_\_\_\_\_, 2026, between the City of Moorpark, a municipal corporation (“City”) and \_\_\_\_\_, a (“Contractor”). In consideration of the mutual covenants and conditions set forth herein, the parties agree as follows:

**WHEREAS**, City has the need for construction services related to \_\_\_\_\_; and

**WHEREAS**, Contractor specializes in providing such services and has the proper work experience, certifications, and background to carry out the duties involved; and

**WHEREAS**, the City Council of the City at a meeting held on the \_\_\_\_\_ day of \_\_\_\_\_, 2026, authorized the City Manager to enter into this Agreement after public bidding in accordance with California Public Code Section 20160, et seq.

**NOW, THEREFORE**, in consideration of the mutual covenants, benefits, and premises herein stated, the parties hereto agree as follows:

1. TERM

The term of the Agreement shall be from the date of execution to completion of the work identified in the Scope of Services and in conformance with Exhibit B, unless this Agreement is terminated or suspended as referred to herein.

2. SCOPE OF SERVICES

City does hereby retain Contractor in a contractual capacity to provide construction services related to \_\_\_\_\_, as set forth in Exhibit B: Contractor’s Bid Proposal, dated \_\_\_\_\_, which exhibit is attached hereto and incorporated herein by this reference as though set forth in full and hereinafter referred to as the “Proposal” and as set forth in Exhibit B, which include (i) Standard Specifications; (ii) Special Provisions; (iii) Workers’ Compensation Insurance Certificate (Labor Code 1860 and 1861); (iv) Payment and Performance Bonds; and (v) Insurance Certificate for General Liability and Automobile Liability, attached hereto and incorporated herein by this reference as though set forth in full and hereinafter referred to as Exhibit A. Where said Scope of Services is modified by this Agreement, or in the event there is a conflict between the provisions of said Scope of Services and this Agreement, the language contained in this Agreement shall take precedence.

Contractor shall perform the tasks described and set forth in Exhibit B and Exhibit \_\_\_\_\_, both of which are attached hereto and incorporated herein by this reference as

though set forth in full. Contractor shall complete the tasks according to the schedule of performance which is also set forth in Exhibit B.

Compensation for the services to be performed by Contractor shall be in accordance with Exhibit B, attached hereto and incorporated herein by this reference as though set forth in full. Compensation shall not exceed the rates or total value of dollars (\$) as stated in Exhibit B, without the written authorization of the City Manager. Payment by City to Contractor shall be as referred to in this Agreement.

City and Contractor acknowledge that this project is a public work to which prevailing wages apply. Contractor agrees to comply with and be bound by all the terms, rules and regulations described in (a) Division 2, Part 7, Chapter 1 (commencing with Section 1720) of the California Labor Code, including without limitation Labor Code Section 1771 and (b) the rules and regulations established by the Director of Industrial Relations implementing such statutes, as though set forth in full herein, including any applicable amendments made thereto during the term of this Agreement. For every subcontractor who will perform work on this project, Contractor shall be responsible for subcontractor's compliance with (a) and (b), and Contractor shall take all necessary actions to ensure subcontractor's compliance.

### 3. PERFORMANCE

Contractor shall, at all times, faithfully, competently, and to the best of Contractor's ability, experience, and talent, perform all tasks described herein. Contractor shall employ, at a minimum, generally accepted standards and practices utilized by persons engaged in providing similar services as are required of Contractor hereunder in meeting its obligations under this Agreement.

### 4. MANAGEMENT

The individual directly responsible for Contractor's overall performance of the Agreement provisions herein above set forth and to serve as principal liaison between City and Contractor shall be \_\_\_\_\_, and no other individual may be substituted without the prior written approval of the City Manager.

The City's contact person in charge of administration of this Agreement, and to serve as principal liaison between Contractor and City, shall be the City Manager or the City Manager's designee.

### 5. PAYMENT

The City agrees to pay Contractor monthly, in accordance with the terms and the schedule of payment as set forth in Exhibit \_\_\_\_\_, attached hereto and incorporated herein by this reference as though set forth in full, based upon actual time spent on the above tasks. This amount shall not exceed \_\_\_\_\_ dollars (\$) for the total term of the Agreement, unless additional payment is approved as provided in this Agreement.

Contractor shall not be compensated for any services rendered in connection with its performance of this Agreement, which are in addition to those set forth herein, unless such additional services are authorized in advance and in writing by the City Manager. Contractor shall be compensated for any additional services in the amounts and in the manner as agreed to by City Manager and Contractor at the time City's written authorization is given to Contractor for the performance of said services. The City Manager, if authorized by City Council, may approve additional work not to exceed ten percent (10%) of the amount of the Agreement.

Contractor shall submit invoices monthly for actual services performed. Invoices shall be submitted on or about the first business day of each month, or as soon thereafter as practical, for services provided in the previous month. Payment shall be made within thirty (30) days of receipt of each invoice as to all non-disputed fees. If the City disputes any of Contractor's fees, it shall give written notice to Contractor within thirty (30) days of receipt of any disputed fees set forth on the invoice. Contractor shall provide appropriate documentation, as determined by the City, for all reimbursable expenses.

#### 6. TERMINATION OR SUSPENSION WITHOUT CAUSE

The City may at any time, for any reason, with or without cause, suspend, or terminate this Agreement, or any portions hereof, by serving upon the Contractor at least ten (10) days prior written notice. Upon receipt of said notice, the Contractor shall immediately cease all work under this Agreement, unless the notice provides otherwise. If the City suspends or terminates a portion of this Agreement such suspension or termination shall not make void or invalidate the remainder of this Agreement.

The Contractor may terminate this Agreement only by providing City with written notice no less than thirty (30) days in advance of such termination. In the event of such termination, Contractor shall be compensated for such services up to the date of termination. Such compensation for work in progress shall be prorated as to the percentage of progress completed at the date of termination.

If the City Manager, or the City Manager's designee, determines that the Contractor is in default in the performance of any of the terms or conditions of this Agreement, the City may proceed in the manner set forth in Section 6-4 of the Greenbook.

#### 7. DEFAULT OF CONTRACTOR

The Contractor's failure to comply with the provisions of this Agreement shall constitute a default. In the event that Contractor is in default for cause under the terms of this Agreement, City shall have no obligation or duty to continue compensating Contractor for any work performed after the date of default and can terminate this Agreement immediately by written notice to the Contractor. If such failure by the Contractor to make progress in the performance of work hereunder arises out of causes beyond the

Contractor's control, and without fault or negligence of the Contractor, it shall not be considered a default.

If the City Manager, or the City Manager's designee, determines that the Contractor is in default in the performance of any of the terms or conditions of this Agreement, he/she shall cause to be served upon the Contractor a written notice of the default. The Contractor shall have five (5) working days after service upon it of said notice in which to cure the default by rendering a satisfactory performance. In the event that the Contractor fails to cure its default within such period of time, the City shall have the right, notwithstanding any other provision of this Agreement, to terminate this Agreement without further notice and without prejudice to any other remedy to which it may be entitled at law, in equity or under this Agreement.

#### 8. LIQUIDATED DAMAGES

If the Contractor fails to complete the work, or any portion thereof, within the time period required by this Agreement or as duly extended in writing by the City Manager, Contractor shall forfeit and pay to the City, as liquidated damages, the sum of one thousand dollars (\$1,000) per day for each calendar day the work, or portion thereof, remains uncompleted after the above specified completion date. Liquidated damages shall be deducted from any payments due or to become due to the Contractor under the terms of this Agreement [Government Code Sec. 53069.85]. Progress payments made by the City after the above specified completion date shall not constitute a waiver of liquidated damages by the City.

#### 9. OWNERSHIP OF DOCUMENTS

Contractor shall maintain complete and accurate records with respect to sales, costs, expenses, receipts, and other such information required by City that relate to the performance of services under this Agreement. Contractor shall maintain adequate records of services provided in sufficient detail to permit an evaluation of services. All such records shall be maintained in accordance with generally accepted accounting principles and shall be clearly identified and readily accessible. Contractor shall provide free access to the representatives of City or its designees at reasonable times to such books and records; shall give the City the right to examine and audit said books and records; shall permit City to make transcripts therefrom as necessary; and shall allow inspection of all work, data, documents, proceedings, and activities related to this Agreement. Notification of audit shall be provided at least thirty (30) days before any such audit is conducted. Such records, together with supporting documents, shall be maintained for a period of ten (10) years after receipt of final payment.

Upon completion of, or in the event of termination or suspension of this Agreement, all original documents, designs, drawings, maps, models, computer files, surveys, notes, and other documents prepared in the course of providing the services to be performed pursuant to this Agreement shall become the sole property of the City and may be used, reused, or otherwise disposed of by the City without the permission of the Contractor.

With respect to computer files, Contractor shall make available to the City, at the Contractor's office and upon reasonable written request by the City, the necessary computer software and hardware for purposes of accessing, compiling, transferring, and printing computer files.

#### 10. INDEMNIFICATION AND HOLD HARMLESS

Contractor hereby assumes liability for and agrees to defend (at Indemnitees' option), indemnify, protect, and hold harmless City and its Project Contractors, and engineers, officers, agents, and employees ("Indemnitees") from and against any and all claims, charges, damages, demands, actions, proceedings, losses, stop notices, costs, expenses (including attorneys' fees), judgments, civil fines and penalties, liabilities of any kind or nature whatsoever, which may be sustained or suffered by or secured against the Indemnitees arising out of or encountered in connection with this Agreement or the performance of the work including, but not limited to, death of or bodily injury to persons or damage to property, including property owned by or under the care and custody of City, and for civil fines and penalties, that may arise from or be caused, in whole or in part, by any negligent or other act or omission of Contractor, its officers, agents, employees, or subcontractors including but not limited to, liability arising from:

a) Any dangerous, hazardous, unsafe, or defective condition of, in or on the premises, of any nature whatsoever, which may exist by reason of any act, omission, neglect, or any use or occupation of the premises by Contractor, its officers, agents, employees, or subcontractors;

b) Any operation conducted upon or any use or occupation of the premises by Contractor, its officers, agents, employees, or subcontractors under or pursuant to the provisions of this Agreement or otherwise;

c) Any act, omission, or negligence of Contractor, its officers, agents, employees, or subcontractors;

d) Any failure of Contractor, its officers, agents, or employees to comply with any of the terms or conditions of this Agreement or any applicable federal, state, regional, or municipal law, ordinance, rule or regulation; and

e) The conditions, operations, uses, occupations, acts, omissions, or negligence referred to in Subsections a, b, c, and d, existing or conducted upon or arising from the use or occupation by Contractor on any other premises in the care, custody and control of City.

The Contractor also agrees to indemnify City and pay for all damage or loss suffered by City including but not limited to damage to or loss of City property, to the extent not insured by City and loss of City revenue from any source, caused by or arising out of the conditions, operations, uses, occupations, acts, omissions or negligence referred to in Subsections a, b, c, d, and e.

Contractor's obligations under this Section apply regardless of whether or not such claim, charge, damage, demand, action, proceeding, loss, stop notice, cost, expense, judgment, civil fine or penalty, or liability was caused in part or contributed to by an Indemnitee. However, without affecting the rights of City under any provision of this Agreement, Contractor shall not be required to indemnify and hold harmless City for liability attributable to the active negligence of City, provided such active negligence is determined by agreement between the parties or by the findings of a court of competent jurisdiction. In instances where City is shown to have been actively negligent and where City's active negligence accounts for only a percentage of the liability involved, the obligation of Contractor will be for that entire portion or percentage of liability not attributable to the active negligence of City.

Contractor agrees to obtain executed indemnity agreements with provisions identical to those set forth here in this Section from each and every subcontractor or any other person or entity involved by, for, with, or on behalf of Contractor in the performance of this Agreement. In the event Contractor fails to obtain such indemnity obligations from others as required here, Contractor agrees to be fully responsible according to the terms of this Section.

Failure of City to monitor compliance with these requirements imposes no additional obligations on City and will in no way act as a waiver of any rights hereunder. This obligation to indemnify and defend City as set forth here is binding on the successors, assigns, or heirs of Contractor and shall survive the termination of this Agreement or Section.

This Indemnity shall survive termination of the Agreement or Final Payment hereunder. This Indemnity is in addition to any other rights or remedies that the Indemnitees may have under the law or under any other Contract Documents or Agreements. In the event of any claim or demand made against any party which is entitled to be indemnified hereunder, City may, in its sole discretion, reserve, retain, or apply any monies to the Contractor under this Agreement for the purpose of resolving such claims; provided, however, City may release such funds if the Contractor provides City with reasonable assurance of protection of the Indemnitees' interests. City shall, in its sole discretion, determine whether such assurances are reasonable.

## 11. INSURANCE

Contractor shall maintain, prior to the beginning of and for the duration of this Agreement, insurance coverage as specified in Exhibit A attached hereto and incorporated herein by this reference as though set forth in full.

## 12. INDEPENDENT CONTRACTOR

Contractor is and shall at all times remain as to the City a wholly independent Contractor. The personnel performing the services under this Agreement, on behalf of

Contractor, shall at all times be under Contractor's exclusive direction and control. Neither City nor any of its officers, employees, or agents shall have control over the conduct of Contractor or any of Contractor's officers, employees, or agents, except as set forth in this Agreement. Contractor shall not at any time or in any manner represent that it or any of its officers, employees, or agents are in any manner officers, employees, or agents of the City. Contractor shall not incur or have the power to incur any debt, obligation, or liability against City, or bind City in any manner.

No employee benefits shall be available to Contractor in connection with the performance of this Agreement. Except for the fees paid to Contractor as provided in the Agreement, City shall not pay salaries, wages, or other compensation to Contractor for performing services hereunder for City. City shall not be liable for compensation or indemnification to Contractor for injury or sickness arising out of performing services hereunder.

### 13. LEGAL RESPONSIBILITIES

The Contractor shall keep itself informed of local, state, and federal laws and regulations which in any manner affect those employed by it or in any way affect the performance of its service pursuant to this Agreement. The Contractor shall at all times observe and comply with all such laws and regulations. The City, and its officers and employees, shall not be liable at law or in equity occasioned by failure of the Contractor to comply with this Section.

### 14. ANTI DISCRIMINATION

Neither the Contractor, nor any subcontractor under the Contractor, shall discriminate in employment of persons upon the work because of race, religious creed, color, national origin, ancestry, physical handicap, medical condition, marital status, or gender of such person, except as provided in Section 12940 of the Government Code. The Contractor shall have responsibility for compliance with this Section [Labor Code Section 1735].

### 15. UNDUE INFLUENCE

Contractor declares and warrants that no undue influence or pressure is used against or in concert with any officer or employee of the City in connection with the award, terms, or implementation of this Agreement, including any method of coercion, confidential financial arrangement, or financial inducement. No officer or employee of the City will receive compensation, directly or indirectly from Contractor, or any officer, employee, or agent of Contractor, in connection with the award of this Agreement or any work to be conducted as a result of this Agreement. Violation of this Section shall be a material breach of this Agreement entitling the City to any and all remedies at law or in equity.

16. NO BENEFIT TO ARISE TO LOCAL EMPLOYEES

No member, officer, or employee of the City, or their designees or agents, and no public official who exercises authority over or responsibilities with respect to the Project during his/her tenure or for one (1) year thereafter, shall have any interest, direct or indirect, in any agreement or sub-agreement, or the proceeds thereof, for work to be performed in connection with the Project performed under this Agreement.

17. CONFLICT OF INTEREST

Contractor covenants that neither they nor any officer or principal of their firm have any interests, nor shall they acquire any interest, directly or indirectly, which will conflict in any manner or degree with the performance of their services hereunder. Contractor further covenants that in the performance of this Agreement, they shall employ no person having such interest as an officer, employee, agent, or subcontractor. Contractor further covenants that Contractor has not contracted with nor is performing any services directly or indirectly, with the developer(s) and/or property owner(s) and/or firm(s) and/or partnership(s) and/or public agency(ies) owning property and/or processing an entitlement application for property in the City or its Area of Interest, now or within the past one (1) year, and further covenants and agrees that Contractor and/or its subcontractors shall provide no service or enter into any contract with any developer(s) and/or property owner(s) and/or firm(s) and/or partnership(s) and/or public agency(ies) owning property and/or processing an entitlement application for property in the City or its Area of Interest, while under contract with the City and for a one (1) year time period following termination of this Agreement.

18. NOTICE

Any notice to be given pursuant to this Agreement shall be in writing, and all such notices and any other document to be delivered shall be delivered by personal service or by deposit in the United States mail, certified or registered, return receipt requested, with postage prepaid, and addressed to the party for whom intended as follows:

To: City Manager  
City of Moorpark  
323 Science Drive  
Moorpark, California 93021

To:

Either party may, from time to time, by written notice to the other, designate a different address or contact person, which shall be substituted for the one above specified. Notices, payments and other documents shall be deemed delivered upon

receipt by personal service or as of the third (3rd) day after deposit in the United States mail.

19. CHANGE IN NAME

Should a change be contemplated in the name or nature of the Contractor's legal entity, the Contractor shall first notify the City in order that proper steps may be taken to have the change reflected in the Agreement documents.

20. ASSIGNMENT

Contractor shall not assign this Agreement or any of the rights, duties, or obligations hereunder. It is understood and acknowledged by the parties that Contractor is uniquely qualified to perform the services provided for in this Agreement.

21. LICENSES

At all times during the term of this Agreement, Contractor shall have in full force and effect, all licenses required of it by law for the performance of the services in this Agreement.

22. VENUE AND GOVERNING LAW

This Agreement is made, entered into, and executed in Ventura County, California, and any action filed in any court or for arbitration for the interpretation, enforcement or other action of the terms, conditions, or covenants referred to herein shall be filed in the applicable court in Ventura County, California. The City and Contractor understand and agree that the laws of the State of California shall govern the rights, obligations, duties, and liabilities of the parties to this Agreement and also govern the interpretation of this Agreement.

23. ENTIRE AGREEMENT

This Agreement contains the entire understanding between the parties relating to the obligations of the parties described in this Agreement. All prior or contemporaneous agreements, understandings, representations, and statements, oral or written, are merged into this Agreement and shall be of no further force or effect. Each party is entering into this Agreement based solely upon the representations set forth herein and upon each party's own independent investigation of any and all facts such party deems material.

24. CAPTIONS OR HEADINGS

The captions and headings of the various Articles, Paragraphs, Sections, and Exhibits of this Agreement are for convenience and identification only and shall not be

deemed to limit or define the content of the respective Articles, Paragraphs, Sections, and Exhibits hereof.

25. AMENDMENTS

Any amendment, modification, or variation from the terms of this Agreement shall be in writing and shall be effective only upon approval by both parties to this Agreement.

26. TIME OF COMPLETION

City and Contractor agree that time is of the essence in this Agreement. City and Contractor further agree that Contractor's failure to perform on or at the times set forth in this Agreement will damage and injure City, but the extent of such damage and injury is difficult or speculative to ascertain. Consequently, City and Contractor agree that any failure to perform by Contractor at or within the times set forth herein shall result in liquidated damages as defined in this Agreement for each and every day such performance is late. City and Contractor agree that such sum is reasonable and fair. Furthermore, City and Contractor agree that this Agreement is subject to Government Code Section 53069.85 and that each party hereto is familiar with and understands the obligations of said Section of the Government Code.

27. PRECEDENCE

Contractor is bound by the contents of City's Bid Package and Proposal, Exhibit B attached hereto and incorporated herein by this reference as though set forth in full. In the event of conflict, the requirements of the City's Bid Package and this Agreement shall take precedence over those contained in the Proposal.

28. INTERPRETATION OF AGREEMENT

Should interpretation of this Agreement, or any portion thereof, be necessary, it is deemed that this Agreement was prepared by the parties jointly and equally, and shall not be interpreted against either party on the ground that the party prepared the Agreement or caused it to be prepared.

29. WAIVER

No waiver of any provision of this Agreement shall be deemed, or shall constitute, a waiver of any other provision, whether or not similar, nor shall any such waiver constitute a continuing or subsequent waiver of the same provision. No waiver shall be binding unless executed in writing by the party making the waiver.

30. AUTHORITY TO EXECUTE

The person, or persons, executing this Agreement on behalf of the Contractor warrants and represents that he/she has the authority to execute this Agreement on

behalf of the Contractor and has the authority to bind Contractor to the performance of obligations hereunder.

IN WITNESS WHEREOF, the parties hereto have caused this Agreement to be executed the day and year first above written.

CITY OF MOORPARK

By: \_\_\_\_\_  
PJ Gagajena, City Manager

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

Attest:

\_\_\_\_\_  
Ky Spangler, City Clerk

## EXHIBIT A

## INSURANCE REQUIREMENTS

Prior to the beginning of and throughout the duration of the Work, Contractor will maintain insurance in conformance with the requirements set forth below. Contractor will use existing coverage to comply with these requirements. If that existing coverage does not meet the requirements set forth here, it will be amended to do so. Contractor acknowledges that the insurance coverage and policy limits set forth in this section constitute the minimum amount of coverage required. Any insurance proceeds available to City in excess of the limits and coverage required in this Agreement and which is applicable to a given loss, will be available to the City.

Contractor shall provide the following types and amounts of insurance:

1. Commercial General Liability

Commercial General Liability Insurance shall be provided by an Insurance Services Office "Commercial General Liability" policy form CG 00 01 or the exact equivalent. Defense costs must be paid in addition to limits. There shall be no cross liability exclusion for claims or suits by one insured against another. Limits shall be no less than \$5,000,000 per occurrence for all covered losses and no less than \$10,000,000 general aggregate.

Contractor's policy shall contain no endorsements limiting coverage beyond the basic policy coverage grant for any of the following:

- a. Explosion, collapse or underground hazard (XCU)
- b. Products and completed operations
- c. Pollution liability
- d. Contractual liability

Coverage shall be applicable to City for injury to employees of contractors, subcontractors, or others involved in the project. Policy shall be endorsed to provide a separate limit applicable to this project.

2. Workers' Compensation

Workers' Compensation insurance shall be provided on a state-approved policy form providing statutory benefits as required by law with employers' liability limits no less than \$1,000,000 per accident for all covered losses.

### 3. Business Auto Coverage

Business Auto Coverage on ISO Business Auto Coverage form CA 00 01 06 92 including symbol 1 (Any Auto) or the exact equivalent shall be provided. Limits shall be no less than \$1,000,000 per accident, combined single limit. If Contractor owns no vehicles, this requirement may be satisfied by a non-owned auto endorsement to the general liability policy described above. If Contractor or Contractor's employees will use personal autos in any way on this project, Contract shall provide evidence of personal auto liability coverage for each such person.

### 4. Excess or Umbrella Liability

Excess or Umbrella Liability insurance (Over Primary) if used to meet limit requirements, shall provide coverage at least as broad as specified for the underlying coverages. Coverage shall be provided on a "pay on behalf" basis, with defense costs payable in addition to policy limits. There shall be no cross liability exclusion precluding coverage for claims or suits by one insured against another. Coverage shall be applicable to City for injury to employees of contractor, subcontractors, or others involved in the Work. The scope of coverage provided is subject to the approval of city following receipt of proof of insurance as required herein. Limits are subject to review.

Insurance procured pursuant to these requirements shall be written by insurers that are admitted carriers in the state of California and with A.M. Best rating of A- or better and a minimum financial size of VII.

Contractor and City agrees as follows:

1. Contractor agrees to endorse the third party general liability coverage required herein to include as additional insureds City, its officials, employees, agents, using standard ISO endorsement No. CG 2010 with an edition date of 1985. Contractor also agrees to require all contractors, subcontractors, and anyone else involved in any way with the project contemplated by this Agreement to do likewise.
2. Any waiver of subrogation express or implied on the part of the City to any party involved in this Agreement or related documents applies only to the extent of insurance proceeds actually paid. City, having required that it be named as an additional insured to all insurance coverage required herein, expressly retains the right to subrogate against any party for sums not paid by insurance. For its part, Contractor agrees to waive subrogation rights against City regardless of the applicability of any insurance proceeds, and to require all contractors, subcontractors, or others involved in any way with the project contemplated by this Agreement to do likewise.
3. All insurance coverage maintained or procured by Contractor or required of others by Contractor pursuant to this Agreement shall be endorsed to delete the subrogation condition as to the city, or to specifically allow Contractor or others

providing insurance herein to waive subrogation prior to a loss. This endorsement shall be obtained regardless of existing policy wording that may appear to allow such waivers.

4. It is agreed by Contractor and City that insurance provided pursuant to these requirements is not intended by any party to be limited to providing coverage for the vicarious liability of City, or to the supervisory role, if any, of City. All insurance coverage provided pursuant to this or any other Agreement (express or implied) in any way relating to City is intended to apply to the full extent of the policies involved. Nothing referred to here or contained in any agreement involving City in relation to the project contemplated by this Agreement is intended to be construed to limit the application of insurance coverage in any way.
5. None of the coverages required herein will be in compliance with these requirements if they include any limiting endorsement of any kind that has not been first submitted to City and approved of in writing.
6. All coverage types and limits required are subject to approval, modification, and additional requirements by the City, as the need arises. Contractor shall not make any reductions in scope of coverage (e.g. elimination of contractual liability or reduction of discover period) that may affect City's protection without City's prior written consent.
7. Proof of compliance with these insurance requirements, consisting of binders of coverage, or endorsements, or certificates of insurance, shall be delivered to City at or prior to the execution of this Agreement. In the event such proof of insurance is not delivered as required, or in the event such insurance is canceled or reduced at any time and no replacement coverage is provided, City has the right, but not the duty, to obtain any insurance it deems necessary to protect its interests under this or any other Agreement and to pay the premium. Any premium so paid by City shall be charged to and promptly paid by Contractor or deducted from sums due Contractor, at City option.
8. Contractor agrees to endorse, and to required others to endorse, the insurance provided pursuant to these requirements, to require 30 days notice to City and the appropriate tender prior to cancellation or reduction of such liability coverage and notice of any material alteration or non-renewal of any such coverage, and to require contractors, subcontractors, and any other party in any way involved with the project contemplated by this Agreement to do likewise.
9. It is acknowledged by the parties of this Agreement that all insurance coverage required to be provided by Contractor or any subcontractor, and any other party involved with the project who is brought onto or involved in the project by Contractor, is intended to apply first and on a primary non-contributing basis in relation to any other insurance or self-insurance available to the City.

10. Contractor agrees to ensure that subcontractors, and any other party involved with the project who is brought onto or involved in the project by Contractor, provide the same minimum insurance coverage required of Contractor. Contractor agrees to monitor and review all such coverage and assumes all responsibility for ensuring that such coverage is provided in conformity with the requirements of this Agreement. Contractor agrees that upon request, all agreements with subcontractors and others engaged in this project will be submitted to City for review.
11. Contractor agrees that all layers of third party liability coverage required herein, primary, umbrella and excess, will have the same starting and expiration date. Contractor agrees further that all other third party coverages required herein will likewise have concurrent starting and ending dates.
12. Contractor agrees not to self-insure or to use any self-insured retentions or deductibles on any portion of the insurance required herein and further agrees that it will not allow any contractor, subcontractor, architect, engineer, or other entity or person in any way involved in the performance of Work on the project contemplated by this Agreement to self-insure its obligations to City. If Contractor's existing coverage includes a deductible or self-insured retention, the deductible or self-insured retention must be declared to the City. At that time the City shall review options with the Contractor, which may include reduction or elimination of the deductible or self-insured retention, substitution of other coverage, or other solutions.
13. The City reserves the right at any time during the term of this Agreement to change the amounts and types of insurance required by giving the Contractor 90 days advance written notice of such change. If such change results in substantial additional cost to the Contractor, the City will negotiate additional compensation proportional to the increased benefit to City.
14. For purposes of applying insurance coverage only, all contracts pertaining to the project will be deemed to be executed when finalized and any activity commences in furtherance of performance under this Agreement.
15. Contractor acknowledges and agrees that any actual or alleged failure on the part of City to inform Contractor of non-compliance with any insurance requirement in no way imposes any additional obligations on City nor does it waive any rights hereunder in this or any other regard.
16. Contractor will renew the required coverage annually as long as City, or its employees or agents face an exposure from operations of any type pursuant to this Agreement. This obligation applies whether or not the Agreement is canceled or terminated for any reason. The insurance shall include but not be limited to products and completed operations and discontinued operations, where

- applicable. Termination of this obligation is not effective until City executes a written statement to that effect.
17. Contractor agrees to waive its statutory immunity under any workers' compensation statute or similar statute, in relation to the City, and to require all subcontractors and any other person or entity involved in the project contemplated by this Agreement to do likewise.
  18. Requirements of specific coverage features are not intended as limitations on other requirements or as a waiver of any coverage normally provided by any given policy. Specific reference to a given coverage feature is for purposes of clarification only as it pertains to a given issue, and is not intended by any party or insured to be all-inclusive.
  19. Any provision in any of the construction documents dealing with the insurance coverage provided pursuant to these requirements, is subordinate to and superseded by the requirements contained herein. These insurance requirements are intended to be separate and distinct from any other provision in this Agreement and are intended by the parties to be interpreted as such.
  20. All liability coverage provided according to these requirements must be endorsed to provide a separate aggregate limit for the project that is the subject of this Agreement and evidencing products and completed operations coverage for not less than two years after issuance of a final certificate of occupancy by all appropriate government agencies or acceptance of the completed work by City.
  21. Contractor agrees to be responsible for ensuring that no contract used by any party involved in any way with the project reserves the right to change City or Contractor for the cost of additional insurance coverage required by this Agreement. Any such provisions are to be deleted with reference to City. It is not the intent of City to reimburse any third party for the cost of complying with these requirements. There shall be no recourse against City for payment of premiums or other amounts with respect thereto.
  22. Contractor agrees to obtain and provide to City a copy of Professional Liability coverage for Architects or Engineers on this project through Contractor. City shall determine the liability limit.

EXHIBIT B

PUBLIC CONTRACT CODE SECTION 9204

9204. (a) The Legislature finds and declares that it is in the best interests of the state and its citizens to ensure that all construction business performed on a public works project in the state that is complete and not in dispute is paid in full and in a timely manner.

(b) Notwithstanding any other law, including, but not limited to, Article 7.1 (commencing with Section 10240) of Chapter 1 of Part 2, Chapter 10 (commencing with Section 19100) of Part 2, and Article 1.5 (commencing with Section 20104) of Chapter 1 of Part 3, this section shall apply to any claim by a contractor in connection with a public works project.

(c) For purposes of this section:

(1) "Claim" means a separate demand by a contractor sent by registered mail or certified mail with return receipt requested, for one or more of the following:

(A) A time extension, including, without limitation, for relief from damages or penalties for delay assessed by a public entity under a contract for a public works project.

(B) Payment by the public entity of money or damages arising from work done by, or on behalf of, the contractor pursuant to the contract for a public works project and payment for which is not otherwise expressly provided or to which the claimant is not otherwise entitled.

(C) Payment of an amount that is disputed by the public entity.

(2) "Contractor" means any type of contractor within the meaning of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code who has entered into a direct contract with a public entity for a public works project.

(3) (A) "Public entity" means, without limitation, except as provided in subparagraph (B), a state agency, department, office, division, bureau, board, or commission, the California State University, the University of California, a city, including a charter city, county, including a charter county, city and county, including a charter city and county, district, special district, public authority, political subdivision, public corporation, or nonprofit transit corporation wholly owned by a public agency and formed to carry out the purposes of the public agency.

(B) "Public entity" shall not include the following:

(i) The Department of Water Resources as to any project under the jurisdiction of that department.

(ii) The Department of Transportation as to any project under the jurisdiction of that department.

(iii) The Department of Parks and Recreation as to any project under the jurisdiction of that department.

(iv) The Department of Corrections and Rehabilitation with respect to any project under its jurisdiction pursuant to Chapter 11 (commencing with Section 7000) of Title 7 of Part 3 of the Penal Code.

(v) The Military Department as to any project under the jurisdiction of that department.

(vi) The Department of General Services as to all other projects.

(vii) The High-Speed Rail Authority.

(4) "Public works project" means the erection, construction, alteration, repair, or improvement of any public structure, building, road, or other public improvement of any kind.

(5) "Subcontractor" means any type of contractor within the meaning of Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code who either is in direct contract with a contractor or is a lower tier subcontractor.

(d) (1) (A) Upon receipt of a claim pursuant to this section, the public entity to which the claim applies shall conduct a reasonable review of the claim and, within a period not to exceed 45 days, shall provide the claimant a written statement identifying what portion of the claim is disputed and what portion is undisputed. Upon receipt of a claim, a public entity and a contractor may, by mutual agreement, extend the time period provided in this subdivision.

(B) The claimant shall furnish reasonable documentation to support the claim.

(C) If the public entity needs approval from its governing body to provide the claimant a written statement identifying the disputed portion and the undisputed portion of the claim, and the governing body does not meet within the 45 days or within the mutually agreed to extension of time following receipt of a claim sent by registered mail or certified mail, return receipt requested, the public entity shall have up to three days following the next duly publicly noticed meeting of the governing body after the 45-day period, or extension, expires to provide the claimant a written statement identifying the disputed portion and the undisputed portion.

(D) Any payment due on an undisputed portion of the claim shall be processed and made within 60 days after the public entity issues its written statement. If the public entity fails to issue a written statement, paragraph (3) shall apply.

(2) (A) If the claimant disputes the public entity's written response, or if the public entity fails to respond to a claim issued pursuant to this section within the time prescribed, the claimant may demand in writing an informal conference to meet and confer for settlement of the issues in dispute. Upon receipt of a demand in writing sent by registered mail or certified mail, return receipt requested, the public entity shall schedule a meet and confer conference within 30 days for settlement of the dispute.

(B) Within 10 business days following the conclusion of the meet and confer conference, if the claim or any portion of the claim remains in dispute, the public entity shall provide the claimant a written statement identifying the portion of the claim that remains in dispute and the portion that is undisputed. Any payment due on an undisputed portion of the claim shall be processed and made within 60 days after the public entity issues its written statement. Any disputed portion of the claim, as identified by the contractor in writing, shall be submitted to nonbinding mediation, with the public entity and the claimant sharing the associated costs equally. The public entity and claimant shall mutually agree to a mediator within 10 business days after the disputed portion of the claim has been identified in writing. If the parties cannot agree upon a mediator, each party shall select a mediator and those mediators shall select a qualified neutral third party to mediate with regard to the disputed portion of the claim. Each party shall bear the fees and costs charged by its respective mediator in connection with the selection of the neutral mediator. If mediation is unsuccessful, the parts of the claim remaining in dispute shall be subject to applicable procedures outside this section.

(C) For purposes of this section, mediation includes any nonbinding process, including, but not limited to, neutral evaluation or a dispute review board, in which an independent third party or board assists the parties in dispute resolution through negotiation or by issuance of an evaluation. Any mediation utilized shall conform to the timeframes in this section.

(D) Unless otherwise agreed to by the public entity and the contractor in writing, the mediation conducted pursuant to this section shall excuse any further obligation under Section 20104.4 to mediate after litigation has been commenced.

(E) This section does not preclude a public entity from requiring arbitration of disputes under private arbitration or the Public Works Contract Arbitration Program, if mediation under this section does not resolve the parties' dispute.

(3) Failure by the public entity to respond to a claim from a contractor within the time periods described in this subdivision or to otherwise meet the time requirements of this section shall result in the claim being deemed rejected in its entirety. A claim that is denied by reason of the public entity's failure to have responded to a claim, or its failure to otherwise meet the time requirements of this section, shall not constitute an adverse finding with regard to the merits of the claim or the responsibility or qualifications of the claimant.

(4) Amounts not paid in a timely manner as required by this section shall bear interest at 7 percent per annum.

(5) If a subcontractor or a lower tier subcontractor lacks legal standing to assert a claim against a public entity because privity of contract does not exist, the contractor may present to the public entity a claim on behalf of a subcontractor or lower tier subcontractor. A subcontractor may request in writing, either on his or her own behalf or on behalf of a lower tier subcontractor, that the contractor present a claim for work which was performed by the subcontractor or by a lower tier subcontractor on behalf of the subcontractor. The subcontractor requesting that the claim be presented to the public entity shall furnish reasonable documentation to support the claim. Within 45 days of receipt of this written request, the contractor shall notify the subcontractor in writing as to whether the contractor presented the claim to the public entity and, if the original contractor did not present the claim, provide the subcontractor with a statement of the reasons for not having done so.

(e) The text of this section or a summary of it shall be set forth in the plans or specifications for any public works project that may give rise to a claim under this section.

(f) A waiver of the rights granted by this section is void and contrary to public policy, provided, however, that (1) upon receipt of a claim, the parties may mutually agree to waive, in writing, mediation and proceed directly to the commencement of a civil action or binding arbitration, as applicable; and (2) a public entity may prescribe reasonable change order, claim, and dispute resolution procedures and requirements in addition to the provisions of this section, so long as the contractual provisions do not conflict with or otherwise impair the timeframes and procedures set forth in this section.

(g) This section applies to contracts entered into on or after January 1, 2017.

(h) Nothing in this section shall impose liability upon a public entity that makes loans or grants available through a competitive application process, for the failure of an awardee to meet its contractual obligations.

(i) This section shall remain in effect only until January 1, 2020, and as of that date is repealed, unless a later enacted statute, that is enacted before January 1, 2020, deletes or extends that date.

(Added by Stats. 2016, Ch. 810, Sec. 1. (AB 626) Effective January 1, 2017. Repealed as of January 1, 2020, by its own provisions.)

BOND FOR FAITHFUL PERFORMANCE  
BOND NO.

KNOW ALL PERSONS BY THESE PRESENTS:

That we, \_\_\_\_\_ hereinafter referred to as "Contractor" as principal, and \_\_\_\_\_ hereinafter referred to as "Surety," are held and firmly bound unto the City of Moorpark, California, hereinafter referred to as "City", or "Obligee" in the sum of \_\_\_\_\_ dollars (\$\_\_\_\_\_), lawful money of the United States of America, for the payment of which sum well and truly to be made, we bind ourselves, jointly and severally, firmly by these presents.

This condition of the foregoing obligation is such that:

WHEREAS, said Contractor has been awarded and is about to enter into the annexed Contract with the City of Moorpark, California, for the construction of the **High Street Bus Shelter Improvement Project**, and is required by said City to give this bond in connection with the execution of said Contract.

NOW, THEREFORE, if said Contractor shall well and truly do and perform all the covenants and obligations of said Contract to be done and performed at the time and in the manner specified herein, then this obligation shall be null and void one year after date of recordation of Notice of Completion by City of the completed work; otherwise it shall be and remain in full force and effect, and Surety shall cause the Contract to be fully performed or to pay to obligee the cost of performing said Contract in an amount not exceeding the said sum above specified, and shall also, in case suit is brought upon this bond, pay to obligee court costs and a reasonable attorney's fee, to be fixed by the court.

BOND FOR FAITHFUL PERFORMANCE (cont'd)

IT IS FUTHER PROVIDED, that any alterations in the work to be done or the material to be furnished shall not in any way release the Contractor or the Surety there under, nor shall any extension of time granted under the provisions of the Contract release either the Contractor or the Surety; and notice of such alterations or extensions of the Contract is hereby waived by the Surety.

WITNESS our hands this \_\_\_\_\_ day of \_\_\_\_\_, 2026.

\_\_\_\_\_  
Contractor

By \_\_\_\_\_

Title \_\_\_\_\_

By \_\_\_\_\_

Title \_\_\_\_\_

\_\_\_\_\_  
Surety

By \_\_\_\_\_

FORM TO ACCOMPANY BOND FOR FAITHFUL PERFORMANCE

STATE OF CALIFORNIA )  
COUNTY OF ) SS.  
CITY OF )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2026, before me, the undersigned, a Notary Public in and for said County and State, residing therein, duly commissioned and sworn, personally appeared \_\_\_\_\_, Personally known to be (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this instrument; and know to be the \_\_\_\_\_ of \_\_\_\_\_ and the same person whose name is subscribed to the within instrument as the \_\_\_\_\_ of said \_\_\_\_\_ and the said \_\_\_\_\_ duly acknowledged to me that he/she subscribed the name of \_\_\_\_\_ thereto as Surety and his/her own name as \_\_\_\_\_.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in the certificate first above written.

\_\_\_\_\_  
Notary Public in and for said  
County and State aforesaid.

BOND FOR MATERIAL SUPPLIERS AND LABORERS

KNOW ALL PERSONS BY THESE PRESENTS:

That we, \_\_\_\_\_ hereinafter referred to as “Contractor” as principal, and \_\_\_\_\_ hereinafter referred to as “Surety,” are held and firmly bound unto the City of Moorpark, California, hereinafter referred to as “City”, or “Obligee” in the sum of \_\_\_\_\_ dollars (\$\_\_\_\_\_), lawful money of the United States of America, for the payment of which sum well and truly to be made, we bind ourselves, jointly and severally, firmly by these presents.

The Condition of the foregoing obligation is such that:

WHEREAS, said Contractor has been awarded and is about to enter into the annexed Contract with the City, for the construction of **High Street Bus Shelter Improvement Project**, and is required by City to give this bond in connection with the execution of said Contract.

NOW, THEREFORE, if the said principal as Contractor in said Contract or subcontractors, fails to pay for any materials, provisions, or its other supplies, or items, used in, upon, for or about the performance of the work contracted to be done, or for any work or labor thereon of any kind, or for amounts due under the Unemployment Insurance Code with respect to such work or labor, said Surety will pay for the same in an amount not exceeding the sum specified above, and also, in case suit is brought upon this bond, a reasonable attorney’s fee to be fixed by the court.

This bond shall inure to the benefit of any and all persons named in Section 3181 of the Civil Code of the State of California.

BOND FOR MATERIAL SUPPLIERS AND LABORERS

IT IS FURTHER PROVIDED, that any alterations in the work to be done or the material to be furnished, which may be made pursuant to the terms of said Contract shall not in any way release either the Contractor or the Surety there under, nor shall any extensions of time granted under the provisions of said Contract release either the Contractor or the Surety; and notice of such alterations or extensions of the Contract is hereby waived by the Surety.

WITNESS our hands this \_\_\_\_\_ day of \_\_\_\_\_, 2026.

\_\_\_\_\_  
Contractor

By \_\_\_\_\_

Title \_\_\_\_\_

By \_\_\_\_\_

Title \_\_\_\_\_

\_\_\_\_\_  
Surety

FORM TO ACCOMPANY BOND FOR MATERIAL SUPPLIERS AND LABORERS

STATE OF CALIFORNIA )  
COUNTY OF ) SS.  
CITY OF )

On this \_\_\_\_\_ day of \_\_\_\_\_, 2026, before me, the undersigned, a Notary Public in and for said County and State, residing therein, duly commissioned and sworn, personally appeared \_\_\_\_\_, Personally known to be (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to this instrument; and know to be the \_\_\_\_\_ of \_\_\_\_\_ and the same person whose name is subscribed to the within instrument as the \_\_\_\_\_ of said \_\_\_\_\_ and the said \_\_\_\_\_ duly acknowledged to me that he/she subscribed the name of \_\_\_\_\_ thereto as Surety and his/her own name as \_\_\_\_\_.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my official seal the day and year in the certificate first above written.

\_\_\_\_\_  
Notary Public in and for said  
County and State aforesaid.

### WORKER'S COMPENSATION INSURANCE CERTIFICATE

Section 1860 and 1861 of the California Labor Code require every contractor to whom a public works contract is awarded to sign and file with the awarding body the following statement:

"I am aware of the Provisions of Section 3700 of the Labor Code which requires every employer to be insured against liability for Worker's Compensation or to undertake self-insurance in accordance with the provisions of that code, and I will comply with such provisions before commencing the performance of the work of this Contract."

By \_\_\_\_\_

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

Title \_\_\_\_\_

By \_\_\_\_\_

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

Title \_\_\_\_\_

INSURANCE CERTIFICATE FOR GENERAL LIABILITY

Use Standard Accord Form

INSURANCE CERTIFICATE FOR AUTOMOBILE LIABILITY

Use Standard Accord Form

CITY OF MOORPARK

DATA UNIVERSAL NUMBERING SYSTEM (D-U-N-S) NUMBER

Submit this form with the Executed Contract. If you fail to submit your D-U-N-S Number, the City will not approve the contract

CONTRACT NUMBER: MPK 26-03

CONTRACTOR NAME: \_\_\_\_\_

BUSINESS ADDRESS (D-U-N-S Number Location):

STREET: \_\_\_\_\_

CITY: \_\_\_\_\_

STATE: \_\_\_\_\_

ZIP CODE: \_\_\_\_\_

D-U-N-S Number: \_\_\_\_\_

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

Telephone No: \_\_\_\_\_

CITY OF MOORPARK  
DEPARTMENT OF PUBLIC WORKS  
ENGINEERING DIVISION  
**STANDARD SPECIFICATIONS**  
FOR  
**HIGH STREET BUS SHELTER IMPROVEMENT PROJECT  
CAPITAL IMPROVEMENT PROJECT NO. C0083  
SPECIFICATION NO. MPK 26-03**

CITY OF MOORPARK  
DEPARTMENT OF PUBLIC WORKS  
ENGINEERING DIVISION  
STANDARD SPECIFICATIONS

0-1 STANDARD SPECIFICATIONS

Except as hereinafter provided, the provisions of the latest edition of the Standard Specifications for Public Works Construction (SSPWC), and all supplements thereto, prepared and promulgated by the Greenbook Committee of Public Works Standards Inc., formerly the Southern California Chapter of the American Public Works Association and the Associated General Contractors of America, and the following modifications thereto are established as the Standard Specifications for the City. They will be referred to in the Special Provisions as the “Standard Specifications.”

SECTION 1 – GENERAL

1-2 TERMS AND DEFINITIONS

1-2.1 Additional Definitions

Acceptance – The formal written acceptance by the City of the completed project.

Agency/City – City of Moorpark.

Approved Equal – or words of the like refer to a material which has been approved by the City Engineer as similar and equal in all respects and acceptable for use in lieu of the particular materials as specified herein. No “approved equal” material shall be used in any of the work unless to use same is first obtained in writing from the City Engineer. The City reserves the right to reject any and all materials, either before or after installation that are not as specified or approved by the City Engineer in writing. In all cases where propriety articles are specified, it is the intent of these specifications to permit the use of approved equals, unless specifically prohibited. Requests for “approved equal” status for proposed substitutions shall be submitted within fifteen (15) days after the award of the Contract. Such requests shall include substantiating data and the proposed credit to the Contract price for the use of such substitution, should it be approved.

Approved, Required, Directed – or words of similar import, refer to and indicate that the work or materials shall be “approved”, “required” or “directed” by the City of Moorpark or its duly authorized representative.

Bid – That document included in the Proposal setting forth the performance prices for the work.

City Council – The body constituting the awarding authority of the City.

Department – Public Works Department, City of Moorpark.

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) prior to the commencement of the contemplated action. Notifications may be from City to Contractor or from Contractor to City.

Engineer – The City Engineer of the City of Moorpark.

Laboratory - Any laboratory of a public agency or any recognized commercial testing laboratory approved by the City.

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

Proposal – Includes all those documents which must be submitted by bidder in order to be awarded the Contract.

1-3 ABBREVIATIONS

1-3.3.1

Institutions

AAN	American Association of Nurserymen
ACI	American Concrete Institute
AGC	Associated General Contractors of America
AISC	American Institute of Steel Construction
APCD	Air Pollution Control District
APWA	American Public Works Association
ASA	American Standards Association
ASME	American Society of Mechanical Engineers
ASTM	American Society of Testing and Materials
CAL-OSHA	California Occupational Safety & Health Administration
CALTRANS	California Department of Transportation
CITY	City of Moorpark
CRSI	Concrete Reinforcing Steel Institute
DISTRICT	Ventura County Waterworks District No. 1
IEEE	Institute of Electric and Electronic Engineer
NEC	National Electrical Code
NFPA	National Fire Protection Association
RSRPD	Rancho Simi Recreation and Parks District
SSPWC	Standard Specifications for Public Works Construction, latest edition, prepared by the Greenbook Committee of

SSS	Public Works Standards, Inc., formerly the Southern California Chapters of ACG and APWA
VCTC	State of California, Department of Transportation, Standard Specifications, latest edition
VCWPD	Ventura County Transportation Commission
	Ventura County Watershed Protection District

## SECTION 2 – SCOPE OF THE WORK

### 2-2 PERMITS

#### 2-2.1 City Encroachment Permit

A City Encroachment Permit is required to work within public right-of-way and will be issued at no cost to the Contractor.

#### 2-2.2 Other Encroachment Permits

When work occurs in the right-of-way of other entities, the Contractor shall obtain and pay, as required, for an encroachment permit from that entity.

## SECTION 3 – CONTROL OF THE WORK

### 3-1 CONTRACT ASSIGNMENT

The bidder shall not in whole or in part, assign, transfer, convey, or otherwise dispose of the Contract, or its right, title or interest, or its power to execute such a Contract to any individual or business entity of any kind without the previous written consent of the City.

### 3-7 CONTRACT DOCUMENTS

#### 3-7.1.1 Accuracy of Specifications

The specifications and the plans for this project are believed by the City to be accurate and to contain neither misrepresentation nor any concealment of any material fact. Bidders are cautioned to undertake an independent analysis of any materials, test data and results, if any, in the specifications. City does not guarantee the accuracy of any interpretations of test data and results contained in the specifications. Bidder and all subcontractors named in the Proposal shall bear sole responsibility for bid errors resulting from misstatements or omissions in the plans and specifications which would have been ascertained by examining either the project site or the test data and results, if any, in the City's possession.

Although the effect of ambiguities or defects in the plans and specifications will be as determined by law, any patent ambiguity or defect shall give rise to a duty of the bidder to inquire prior to bid submission. Failure to so inquire shall cause any

such ambiguity to be construed against the bidder and/or a waiver of any defect by the bidder.

An ambiguity or defect shall be considered patent if it is of such a nature that the bidder assuming reasonable skill, ability, and diligence, knew or should have known of the existence of the ambiguity or defect. Furthermore, failure of the bidder or subcontractors to notify City in writing of bid specifications or plans defects or ambiguities prior to bid submission shall waive any right to assert said defects or ambiguities subsequent to submission of the bid.

To the extent that these specifications continue performance specifications, the City shall not be liable for costs incurred by the successful bidder to achieve the project's objective or standard beyond the amounts provided therefore in the bid.

In the event that any dispute arises after awarding the bid as a result of any actual or alleged ambiguity or defect in the plans and/or specifications, or over any other matter whatsoever, Contractor shall immediately notify City in writing. Contractor and all subcontractors shall continue to perform whether or not the ambiguity or defect is major, material, minor and trivial and whether or not a change order, time extension, or additional compensation has been granted by the City. Failure to provide such written notice within one working day of Contractor becoming aware of the facts giving rise to the dispute shall constitute a waiver of the right to assert the causative role of the defect or ambiguity in the plans or specifications concerning the dispute.

### 3-8 SUBMITTALS

#### 3-8.7 Bidders Required to Make Investigations

Bidders are required to make their own investigations and their own estimates of the site. It is not intended nor to be inferred that the specifications are or constitute any representation of warranty, express or implied, by the City of Moorpark or any officer or employee, thereof, that any conditions which may seem to be indicated by the specifications actually exist or are to be relied upon either with reference to site or subsoil conditions, the presence or absence of groundwater, or otherwise. The bidder to whom this Contract is awarded covenants and agrees by execution of Contract that the specifications do not constitute any warranty or representation, express or implied, respecting actual conditions which will be encountered by the Contractor in performance of the Contract and that the Contractor cannot and does not rely thereon and shall not be relieved of liability under the Contract. Neither the City nor any officer or employee thereof shall be liable to the Contractor as a result of any difference or variance between conditions suggested or seemingly indicated by the specifications of the work or otherwise. It is the overriding purpose and intent of the parties that the Contractor assumes all risks in connection with performance of the work in accordance with the contract documents regardless of any such difference or variance. The Contractor forever and irrevocably waives,

relinquishes and releases any claims, rights, demands, damages, actions and causes of action in connection therewith against the City of Moorpark and its officers and employees.

### 3-8.8 Additional Investigations Required

Prior to bid submittal, the Contractor must perform an independent site investigation and by the bid represents that the Contractor has accomplished and is satisfied as to the result of the investigation required under these Bid Terms and Conditions. In addition thereto, the Contractor has investigated all other general and local conditions pertaining to the work to be performed, the site of the work and adjacent and nearby areas, including, but not limited to, those relating to transportation, the disposal, handling and storage of materials, availability of labor, water, electrical power, road and uncertainties of weather, all other physical conditions at and near the site of the work to be performed by the Contractor, including the conformation and conditions of the ground, and the character of equipment and facilities needed prior to and during prosecution of the work. The bidder to whom this Contract is awarded covenants and agrees by execution of the Contract that the Contractor neither has nor shall have any claim, demand, action or cause of action against the City of Moorpark, or any officer or employee thereof, on account of or in respect to any such conditions, whether or not the same are ascertained or known by the Contractor. It is the sole responsibility of the Contractor to estimate properly the difficulties to be encountered in providing necessary labor, quantities of material, and the cost of successfully performing the Contractor's work in conformity with the contract documents. Neither the City of Moorpark nor any officer or employee thereof shall be responsible to the Contractor, nor shall any claim, demand, action or cause of action exist or arise in favor of the Contractor, on account of any oral statement or alleged representation made by the City of Moorpark, or any officer or employee thereof, in respect to any of the foregoing matters.

## 3-12 WORK SITE MAINTENANCE

### 3-12.2.1 Additional Air Pollution Control Requirement

The Contractor shall comply with all applicable standards, orders, or regulations issued pursuant to the Clean Air Act of 1970 (42 U.S.C. 7401 et. seq.) as amended. The Contractor shall comply with Ventura County Air Pollution Control District Rule 55, Fugitive Dust (see Appendix D). Violations will be reported to the appropriate authorities.

### 3-12.3.1 Noise Control Requirements

The Contractor shall comply with all local sound control and noise level rules, regulations, and ordinances, which apply to any work performed pursuant to the Contract.

Each internal combustion engine used for any purpose on the job, or related to the job, shall be equipped with a muffler of a type recommended by the manufacturer. No internal combustion engine shall be operated on the project without such muffler.

The noise level from the Contractor's operations, between the hours of 9:00 p.m. and 7:00 a.m., shall not exceed a maximum of 50 dba at a distance of 50 feet from the source. This requirement in no way relieves the Contractor from responsibility for complying with local ordinances regulating the noise level.

Said noise level requirement shall apply to all equipment on the job or related to the job, including but not limited to trucks, transit mixers or transient equipment that may or may not be owned by the Contractor. The use of loud signals shall be avoided in favor of light warnings except those required by safety laws for the protection of personnel.

Full compensation for conforming to the requirements of this section shall be considered as included in the prices paid for the various contract items of work involved and no additional compensation will be allowed therefore.

### 3-13 COMPLETION, ACCEPTANCE, AND WARRANTY

#### 3-13.1.1 No Waiver of Legal Rights

The City shall not be precluded or be stopped by any measurement, estimate, or certificate made either before or after the completion and acceptance of the Work and payment therefore from showing the true amount and character of the work performed and materials furnished by the Contractor, nor from showing that any such measurement, estimate, or certificate is untrue or is incorrectly made, nor that the work or materials do not in fact conform to the Contract.

The City shall not be precluded or stopped, notwithstanding any such measurement, estimate, or certificate and payment in accordance therewith, from recovering from the Contractor or Surety, or both, for such damage as it may sustain by reason of the Contractor's failure to comply with the terms of the Contract.

Neither the acceptance by the Engineer or by the Engineer's representative nor any payment for or acceptance of the whole or any part of the Work, nor any extension of time, nor any possession taken by the Engineer shall operate as a waiver of any portion of the Contract or of any power herein reserved or of any right to damages.

A waiver of any breach of the Contract shall not be held to be a continuing waiver or a waiver of any other or subsequent breach.

### 3-13.2.1 Non-Complying Work

Neither the final payment nor any provision in the Contract Documents, nor partial or entire occupancy of the premises by the City, nor recordation of Notice of Completion by City shall constitute an acceptance of work not done in accordance with the Contract Documents or relieve the Contractor of liability in respect to any express warranties or responsibility for faulty materials or workmanship.

## SECTION 5 – LEGAL RELATIONS AND RESPONSIBILITIES

### 5-3 LABOR

#### 5-3.2.1 Labor Laws

##### Labor Code Concerning Forfeiture for Worker Required to Work Excess Hours

As provided in Section 1810 of the Labor Code, eight (8) hours shall constitute a legal day's work, and as required by Section 1813 of the Labor Code, the Contractor shall, as a penalty, forfeit to the City twenty-five dollars (\$25.00) for each worker employed in the execution of the Contract by the Contractor or by any subcontractor for each calendar day during which such worker is required or permitted to work more than eight (8) hours in any one calendar day or 40 hours in any one calendar week.

Exception: Pursuant to Labor Code Section 1815, work performed by employees of the Contractor and subcontractors in excess of eight (8) hours per day or 40 hours during any one week shall be permitted upon compensation for all hours worked in excess of eight (8) hours per day at not less than 1 1/2 times the basic rate of pay.

##### Labor Code Concerning Forfeiture for Paying Less than Prevailing Wage Rate

The Contractor shall comply with all updates of the prevailing wage rates pursuant to Section 1775 of the Labor Code. In accordance with Section 1775 and subsequent amendments of the Labor Code, the Contractor shall forfeit as a penalty to the City of Moorpark, not more than \$50.00 for each calendar day or portion thereof, for each worker paid less than the stipulated prevailing rates for such work or craft in which such worker is employed for any work done under the Contract by the Contractor or by any subcontractor in violation of the provisions of said resolution. In addition to said penalty and pursuant to the said Section 1775 and subsequent amendments, the difference between the stipulated prevailing wage rates and the amount paid to each worker for each calendar day or portion thereof for which each worker was paid less than the stipulated prevailing wage rate shall be paid to each worker by the Contractor. Any sums forfeited under the provisions of this section will be deducted from the payments under this Contract by the City of Moorpark.

Attention is directed to Section 1735 of the Labor Code, which reads as follows:

Neither the Contractor, nor any subcontractor under the Contractor, shall discriminate in employment of persons upon the work because of race, religious creed, color, national origin, ancestry, physical disability, mental disability, medical condition, genetic information, marital status, sex, gender, gender identity, gender expression, age, sexual orientation, or military and veteran status of such person; or any other basis protected by applicable federal, state, or local law, except as provided in Section 12940 of the Government Code. The Contractor shall have responsibility for compliance with this Section, if applicable [Labor Code Section 1735].

Attention is directed to Sections 1101 and 1102 of the Labor Code which prohibit discrimination in employment based on sexual orientation, except as provided in Section 1102.1 of the Labor Code.

Attention is also directed to the requirements of the California Fair Employment and Housing Act (Government Code Sections 12900 through 12996 - Stat. 1980, Chapter 992), to the regulations promulgated by the Fair Employment and Housing Commission to implement said Act, and to the nondiscrimination, affirmative action and equal employment opportunity requirements of these Specifications.

The Contractor or subcontractor shall comply with the Copeland "Anti-Kick Back" Act (18 U.S.C. 874) as supplemented in the Department of Labor regulations (29 CFR, Part 3). This act provides that each contractor or subcontractor shall not induce, by any means, any person employed in the construction, completion, or repair of public works, to give up any part of the compensation due that person. Any suspected or reported violation will be reported to the appropriate Federal Agency for proper action.

Attention is directed to the provisions in Sections 1777.5 and 1777.6 of the Labor Code concerning the employment of apprentices by the Contractor or any subcontractor.

The Contractor shall comply with the General Prevailing Wage determination made by the Director of Industrial Relations, pursuant to California Labor Code, Division 2, Part 7, Chapter 1, Article 2.

Section 1777.5 requires the Contractor and subcontractors employing tradesmen in any apprentice-able occupation to apply to the joint apprenticeship committee nearest the site of the public works project and which committee administers the apprenticeship program in that trade for a certificate of approval. The certificate will also fix the hourly non-overtime ratio of apprentices to journeymen that will be used in the performance of the Contract; except for Land Surveyors in which case the ratio shall be not less than one apprentice for each five journeyman. The hourly non-overtime ratio of apprentices to journeymen in such cases shall not be less than one to five, if practicable, except:

- a) When unemployment in the area of coverage by the joint apprenticeship committee has exceeded an average of 15 percent in the 90 days prior to the request for certificate; or

- b) When the number of apprentices in training in the area exceeds a ratio of one to five; or
- c) When the trade can show that it is replacing at least 1/30th of its membership through apprenticeship training on an annual basis state-wide or locally; or
- d) If assignment of an apprentice to any work performed under a public works contract would create a condition which would jeopardize his/her life or the life, safety or property of fellow employees or the public at large, or if the specific task to which the apprentice is to be assigned is of such a nature that training cannot be provided by a journeyman; or
- e) Contracts of general contractors or specialty contractors not bidding for work through a general or prime contractor when the contracts involve less than thirty-thousand dollars (\$30,000) or twenty (20) working days.

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

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

#### 5-3.3.1 Payroll Documentation

The Contractor's attention is directed to the following provisions of Labor Code Section 1776. The Contractor shall be responsible for compliance with these provisions, including compliance by subcontractors.

- (a) Each Contractor and subcontractor shall keep an accurate payroll record, showing the name, address, social security number, work classification, and straight time and overtime hours worked each day and week, and the actual per diem wages paid to each journeyman, apprentice, worker, or other employee employed in connection with the public work.
- (b) The payroll records required under subsection (a) shall be certified and shall be available for inspection at all reasonable hours at the principal office of the Contractor on the following basis:
  - (1) A certified copy of an employee's payroll record shall be made available for inspection or furnished to such employee or authorized representative on request.

- (2) A certified copy of all payroll records required in subsection (a) shall be made available for inspection or furnished upon request to a representative of the City, the Division of Labor Standards Enforcement and the Division of Apprenticeship Standards of the Department of Industrial Relations.
- (3) A certified copy of all payroll records required in subsection (a) or copies thereof shall be made available upon request to the public for inspection. However, a request by the public shall be made through either the City, the Division of Apprenticeship Standards, or the Division of Labor Standards Enforcement. If the requested payroll records have not been provided pursuant to paragraph (2), the requesting party shall, prior to being provided the records, reimburse the Contractor, subcontractor, or the entity through which the request was made the costs of preparation of the requested documents. The public shall not be given access to such records at the principal office of the Contractor.
- (c) The certified payroll records shall be on forms provided by the Division of Labor Standards Enforcement or shall contain the sample information as the forms provided by the Division.
- (d) Each Contractor shall file a certified copy of the records required in subsection (a) with the entity that requested such records within 10 days after receipt of a written request.
- (e) Any copy of records made available for inspection and furnished upon request to the public or any public agency by the City, the Division of Apprenticeship Standards or the Division of Labor Standards Enforcement shall be marked or obliterated in such a manner as to prevent disclosure of an individual's name, address and social security number. The name and address of the Contractor awarded the Contract or performing the Contract shall not be marked or obliterated.
- (f) The Contractor shall inform the City of the location of the records required under subsection (a), including the street address, city and county, and shall, within five working days, provide the City a notice of a change of location and address.
- (g) In the event of noncompliance with the requirements of this section, the Contractor shall have ten (10) calendar days in which to comply with this section. Should noncompliance still exist after such 10-day period, the Contractor shall, as a penalty to the state or political subdivision on whose behalf the Contract is made or awarded, forfeit twenty-five dollars (\$25) for each calendar day, or portion thereof, for each worker, until strict compliance is effectuated. Upon the request of the Division of Apprenticeship Standards

or the Division of Labor Standards Enforcement, these penalties shall be withheld from progress payments then due.

## 5-8 RECYCLING OF MATERIALS

Subsection 5-8 is hereby added to the Standard Specifications.

### Construction and Demolition Ordinance

The City of Moorpark has adopted a Construction and Demolition (C&D) ordinance requiring all demolition and city-sponsored projects, regardless of cost; new construction projects valued over \$500,000; or renovation projects valued over \$100,000 to divert a minimum of 65% of material generated during the project from disposal in a landfill (through reuse or recycling). The City has created a Construction and Demolition Materials Management Plan (C&DMMP) form to assist applicants to meet these diversion requirements. You will be required to submit a Diversion Security Deposit of 3% of the project valuation to the City to ensure compliance with the ordinance. The deposit will be returned upon verification that you met the 65% diversion requirement. Also, a one-time fee for staff time associated with processing your C&D plan will be charged. You have two options to meet this requirement. You may use the City's franchised hauler (Waste Management) who can provide temporary bins and will dispose of your waste at a City authorized facility. Or you may self-haul your waste to a city authorized certified C&D processing facility. If you self-haul your waste you must use proper hauling vehicles and bins **owned by your company** and those vehicles must be **driven by your employees**. Please remember that because this project is a prevailing wage project, the driver of the self-haul vehicle will need to be paid a prevailing wage rate for driving the C&D materials to the authorized facility. **You will need to submit itemized weigh tickets from each facility documenting your C&D recycling and disposal that indicates the weight and type of material recycled or disposed.** These weigh tickets will need to be turned in to the Solid Waste Division and verified **prior to final payment release** for the job and refund of your C&D diversion security deposit. If diversion requirements are not met, the City will retain the deposit. Please contact the Solid Waste Division at 805-517-6241 with questions about the C&D ordinance or about how to obtain the forms and documentation requirements.

## SECTION 6 – PROSECUTION AND PROGRESS OF THE WORK

### 6-4 DELAYS AND EXTENSIONS OF TIME

#### 6-4.1.1 Work Delays

If the Contractor is obstructed or delayed in the work required to be done hereunder by changes in the work or by any default, act, or omission of the City or by strikes, fire, earthquake, or any other act of God, or by the inability to obtain materials, equipment, or labor due to Federal Government restrictions arising out of defense or war programs, then the time of completion may, at the City's sole option, be extended for such periods as may be agreed upon by the City and the Contractor.

6-6

SUSPENSION OF THE WORK6-6.3 Temporary Suspension of Work

If suspension of work is ordered by reason of the failure of the Contractor to carry out orders or to perform any provisions of the Contract, or by reason of weather conditions being unsuitable for performing any items of work at Contractor's expense, shall do all the work necessary to provide a safe, smooth, and unobstructed passageway through construction for use by public traffic during the period of such suspension. In the event that the Contractor fails to perform the work above specified, the City will perform such work and the cost thereof will be deducted from monies due or to become due the Contractor.

If the Engineer 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 shall not be considered working days.

If a portion of work at the time of such suspension is not a current controlling operation or operations, but subsequently does become the current controlling operation or operations, the determination of working days will be made on the basis of the then current controlling operation or operations.

If a suspension of work is ordered by the Engineer due to the failure on the part of the Contractor to carry out orders given or to perform any provision of the Contract, the days on which the suspension order is in effect shall be considered working days if such days are working days.

## SECTION 7 – MEASUREMENT AND PAYMENT

7-3 PAYMENT7-3.1.1 Final Payment

All measurements and payments shall be in accordance with the provisions of Section 7 of the SSPWC, "Measurement and Payment." The items of work for the project are shown in the Proposal and consist of unit price and lump sum items for payment. It is the intent of these specifications that the cost of all work shown or specified on the plans, but not specifically included in a unit price or lump sum item, shall be considered as being included in the amounts bid for the various items in the Proposal.

7-6 TERMINATION OF CITY LIABILITY

Prior to receiving final payment, the Contractor shall execute a "Release on Contract" form which shall operate as, and shall be, a release of the City, the City

Council and each member of the Council and their agents, from all claims and liability to the Contractor for anything done or furnished for, or relating to, the work or for any act of neglect of the City or of any person relating to or affecting the work, except the claim against the City for the remainder, if there be any, of the amounts kept or retained as provided in sub-section 9-3.2 of the SSPWC "Partial and Final Payment", and except for any unsettled claims listed on said form which have been filed in compliance with the requirements for making claims. A payment of \$1.00 will be made to the Contractor for executing this document.

#### 7-7 AFFIDAVIT OF PAYMENT

Another requirement prior to receiving the final payment is that the Contractor shall file with the City Engineer 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 the Contractor is required before the City makes final payment on the Contract.

### SECTION 402 – UTILITIES

#### 402-7 UTILITY/AGENCIES TELEPHONE CONTACT LIST

CITY ENGINEER (805) 517-6255	SPECTRUM (805) 732-8160
MED TRANS AMBULANCE (805) 495-4666	PACIFIC BELL (805) 583-6640
CITY POLICE DEPARTMENT (805) 532-2700	EQUILON CORPORATION (310) 816-2053
CALIFORNIA HIGHWAY PATROL (805) 654-4710 (4571)	TOSCO (805) 525-6312
VENTURA COUNTY SHERIFF (805) 527-6611 & 494-8200	UNDERGROUND SERVICE ALERT 1-800-422-4133
MOORPARK TRANSIT DIVISION (805) 517-6233	UNION PACIFIC RAILROAD CO. (800) 336-9193
VENTURA COUNTY WATERWORKS DISTRICT NO. 1 (805) 378-3000	MOORPARK UNIFIED SCHOOL DISTRICT (805) 378-6300
CALLEGUAS MUNICIPAL WATER DISTRICT	VENTURA COUNTY FIRE PROTECTION DISTRICT

(805) 526-9323  
SO. CALIFORNIA EDISON COMPANY  
(805) 494-7066

(805) 398-9738  
U.S. POST OFFICE  
(805) 552-0340

THE GAS COMPANY  
(800) 520-2059

WASTE MANAGEMENT  
(805) 522-9400

SUNESYS  
(951) 500-0307

## SECTION 403 – MANHOLE ADJUSTMENT AND RECONSTRUCTION

### 403-6 SCOPE OF WORK

Work shall conform to the provisions in Section 403 of the SSPWC. 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. The Contractor shall cover grates with material suitable for preventing any paving material from passing through the grate. The Contractor shall mark the location of all existing covers by inscribing a cross in the new pavement or overlay. The cross mark shall be clear and legible after final rolling.

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

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

The Contractor shall contact the respective utility companies and other agencies listed below 48 hours prior to starting any work on each road by which those companies are affected. To make sure that all utility companies are aware of the proposed work, the Contractor shall notify the Underground Service Alert Office (South USA) by calling 1-800-422-4133 at least two working days prior to the start of any resurfacing work.

If the Contractor, while performing work pursuant to the Contract, discovers utility facilities not identified correctly or omitted in the Plans or Specifications by the City, the Contractor shall immediately notify the City and utility owner in writing.

Payment for costs incurred in protecting utility vaults, manholes, valve boxes, removal of all USA markings, including the requirements pursuant to this section, shall be included in the prices bid for other items of work and no additional compensation will be allowed therefore.

CITY OF MOORPARK  
DEPARTMENT OF PUBLIC WORKS  
ENGINEERING DIVISION  
**SPECIAL PROVISIONS**  
FOR  
**HIGH STREET BUS SHELTER IMPROVEMENT PROJECT  
CAPITAL IMPROVEMENT PROJECT NO. C0083  
SPECIFICATION NO. MPK 26-03**

SECTION 900

**SPECIAL CONDITIONS**

(Not a Bid Item)

900-1 STANDARD SPECIFICATIONS

As indicated in Subsection 0-1, the Standard Specifications for Public Works Construction (SSPWC), along with the modifications thereto have been established as the Standard Specifications by the Engineering Division of the Public Works Department. These specifications will prevail as the basic Standard Specifications for this project except, as otherwise specifically noted in the Special Provisions when reference is made to the State Standard Specifications. The State Standard Specifications is that document issued by the State of California, Department of Transportation, titled Standard Specifications, 2024, referred to herein as the State Standard Specifications, or the SSS.

When references have been made to the SSS, it is for the purpose of utilizing that Specifications' traffic and safety provisions as indicated elsewhere herein.

Where required by these Special Provisions, work shall conform to the requirements of the SSS, except that when reference is made to other sections of the City's Standard Specifications, all references to "State" shall mean the City. The SSS measurement and payment clauses are not included.

Appendices A through G, attached hereto, are considered a part of these Special Provisions.

900-2 INVESTIGATION OF SITE CONDITIONS

Bidders are urged to visit the work site to conduct their own investigations as to the existing conditions affecting the Work to be accomplished under these specifications. If the bidder chooses not to visit the site or conduct investigations, the bidder will nevertheless be charged with the knowledge of conditions which reasonable inspection and investigation would have disclosed.

900-3 AWARD OF CONTRACT

A construction contract will be awarded to the lowest responsive and responsible bidder for the sum total of the Schedules of Work. However, the City reserves the right to award or not to award.

900-4 START OF CONSTRUCTION

The Notice to Proceed will be issued upon awarding a construction contract and receipt of the necessary bonds and insurance certificates. The necessary bonds and insurance certificates shall be submitted to the City within 10 days of the award of contract. Prior to issuing the Notice to Proceed, but subsequent to receiving the submittals of Subsection 901-14, a pre-construction conference will be undertaken. The date of the Notice to Proceed constitutes the start of construction, which date will be the first chargeable working date of the contract.

#### 900-5 TIME OF COMPLETION

The Contractor shall complete the work including punch list items (if applicable) within 120 working days from the date of the written Notice to Proceed. The issuance of the Notice to Proceed constitutes the Contractor's authority to enter upon the work site and begin operations. A no fee Encroachment Permit shall be obtained by the Contractor from the City.

#### 900-6 WORKING HOURS & WORKING DAYS

Except for work at signalized intersections, and as noted elsewhere in these Special Provisions, construction working hours shall be limited to the hours between 8:30 a.m. and 4:30 p.m. Monday through Friday, unless otherwise approved by the City Engineer in writing.

Lane closures at signalized intersections and within 200 feet of a signalized intersection shall be limited to the hours between 9:00 a.m. and 3:00 p.m., except as otherwise indicated in Section 903, "Traffic Control, Construction Signing and Traffic Maintenance," of these Special Provisions.

Any overtime for construction survey, geotechnical/testing services, and inspection by City staff, outside of the 8:30 a.m. to 4:30 p.m. hours Monday through Friday, and any work on Saturdays, Sundays, and Holidays, shall be paid for by the Contractor, and such costs will be deducted from the progress payments to the Contractor. The City may, at its discretion, provide geotechnical/testing and inspection services on Saturdays at no cost to the Contractor. The Contractor shall provide at least forty-eight-hour notification for all overtime work requests.

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 Friday in March (Cesar Chavez Day)
5. Last Monday in May (Memorial Day)
6. July 4th (Independence Day)
7. 1st Monday in September (Labor Day)
8. November 11th (Veteran's Day)
9. Last Thursday in November (Thanksgiving Day)
10. Last Friday in November (Day after Thanksgiving)
11. December 25th (Christmas Day)

When any of the above listed holidays falls on Sunday, the holiday shall be observed on the following Monday. Whenever any holiday falls on a Saturday, the holiday shall be observed on the preceding Friday.

900-7 FAILED TESTS

All retesting of failed materials, field compaction tests, and standby charges for such services will be accomplished at the Contractor's expense. The cost for all retesting and standby charges will be deducted from the progress payments to the Contractor. The Contractor shall provide at least forty-eight (48) hours notification for the need of compaction and materials testing.

900-8 EXTRA WORK MARKUP

(a) Work by Contractor. The following percentage shall be added to the Contractor's costs and shall constitute the markup for all overhead and profits, and all other cost not specifically provided for:

- (1) Labor ..... 20%
- (2) Materials..... 15%
- (3) Equipment Rental..... 15%
- (4) Other Items and Expenditures..... 15%

To the sum of the cost and markups provided for in this section, 1 percent shall be added as compensation for bonding.

(b) Work by Subcontractor. When all or any part of the extra work is performed by a Subcontractor, the markup established in 900-8 (a) shall be applied to the Subcontractor's actual cost of such work. A markup of 10% on the first \$5,000 of the subcontracted portion of the extra work and a markup of 5% on work in excess of \$5,000 of the subcontracted portion of the extra work may be added by the Contractor.

900-9 PROMPT PROGRESS PAYMENT TO SUBCONTRACTORS

A prime contractor or subcontractor shall pay any subcontractor not later than 10 days of receipt of each progress payment in accordance with Sections 10262 and 10262.5 of the Public Contract Code and Section 7108.5 of the California Business and Professions Code concerning prompt payment to subcontractors. The 10-days is applicable unless a longer period is agreed to in writing. Any delay or postponement of payment over 30 days may take place only for good cause and with the agency's prior written approval. Any violation of Section 7108.5 shall subject the violating contractor or subcontractor to the penalties, sanctions, and other remedies of that Section. This requirement shall not be construed to limit or impair any contractual, administrative, or judicial remedies, otherwise available to the contractor or subcontractor in the event of a dispute involving late

payment or nonpayment by the contractor, deficient subcontractor performance, and/or noncompliance by a subcontractor. This clause applies to both DBE and non-DBE subcontractors.

900-9.1 Prompt Payment of Withheld Funds to Sub-Contractors

No retainage will be held by the agency from progress payments due to the prime contractor. Prime contractors and subcontractors are prohibited from holding retainage from subcontractors. Any delay or postponement of payment may take place only for good cause and with the agency's prior written approval. Any violation of these provisions shall subject the violating contractor or subcontractor to the penalties, sanctions, and other remedies specified in Section 7108.5 of the California Business and Professions Code. This requirement shall not be construed to limit or impair any contractual, administrative, or judicial remedies, otherwise available to the contractor or subcontractor in the event of a dispute involving late payment or nonpayment by the contractor, deficient subcontractor performance, and/or noncompliance by a subcontractor. This clause applies to both DBE and non-DBE subcontractors

900-10 MEASUREMENT AND PAYMENT

No separate payment will be made for work performed or for compliance with the requirements outlined in this Section, "Special Conditions."

Full compensation for such work and features shall be considered as included in the contract unit or lump sum prices bid for other applicable items of work, and no additional compensation will be allowed therefore.

## SECTION 901

**SPECIAL CONSTRUCTION REQUIREMENTS**

(Not a Bid Item)

901-1 PERMITS901-1.1 City Encroachment Permit:

The Contractor is required to obtain a no-fee Encroachment Permit from the City prior to commencing any construction.

901-2 MOBILIZATION

Mobilization shall consist of preparatory work and operations including, but not limited to, those necessary for the movement of personnel, equipment, materials, supplies, and incidentals to the project sites, and for all other work operations which must be performed, or costs incurred, prior to beginning work on the various contract items on the project sites. Refer to Section 902.

901-3 CONSTRUCTION SCHEDULE AND TRAFFIC CONTROL PLAN

One week prior to the Pre-Construction Conference, the Contractor shall submit to the Engineer for review: 1) a project Construction Schedule in accordance with the SSPWC Subsection 6-1, "Construction Schedule and Commencement of Work," 2) Traffic Control Plan addressing the requirements of Section 903, "Traffic Control, Construction Signing and Traffic Maintenance," 3) a Stormwater Pollution Control Plan (SWPCP) addressing the requirements of Section 905, of these Special Provisions, for the affected project sites, and 4) hauling routes of pavement materials.

The Contractor's sequence and scheduling of construction shall provide for on-street parking within one hundred and fifty feet of any residence or business, unless otherwise authorized in writing by the City Engineer.

Any revisions to the originally approved Construction Schedule must be approved by the Engineer, in writing, at least three working days prior to any construction.

901-4 CONSTRUCTION SEQUENCE

The Contractor shall phase his/her construction operations such that the cold milling operation is a maximum of three working days ahead of the asphalt concrete overlay. All operations shall proceed in the direction of travel.

The contractor shall submit his/her construction schedule to reflect the phasing based on providing for on-street parking within 150 feet of any residence or business, unless

authorized by the City Engineer. The schedule must be approved by the Engineer in writing prior to the commencement of cold milling operations.

901-5        NOTICE TO AREA PROPERTY OWNERS/BUSINESS OWNERS/  
RESIDENTS

In residential and business areas, the Contractor shall give written notice to all adjacent residents and businesses as applicable at least four (4) workdays prior to restricting driveway access or starting any work. The written Notice shall be approved by the Engineer and shall be a "door hanger," or similar, style. The Notice shall describe the impending work and shall identify dates and the stages of work. The Notice shall include a contact number for the Contractor's on-site job superintendent. See Appendix B.

Special consideration shall be given to multi-family complexes and other high density uses and businesses. Provisions shall be made for the urgent needs of property owners/business owners/residents for medical, fire, and police services.

901-6        CONSTRUCTION SURVEYING

The Contractor shall provide all necessary construction surveying in accordance with the SSPWC Section 3-10, "Surveying" and Section 904, "Surveying and Construction Staking." The Contractor shall bear all costs for restaking or remarking. The Contractor shall provide at least forty-eight hours notification for the need of survey services.

The locations and limits of removal and construction of miscellaneous concrete and asphalt concrete facilities will be staked or marked by the Contractor and verified by the Engineer in the field.

901-7        COORDINATION OF WORK

The Contractor shall coordinate the work with all respective utility companies for any related relocations and/or construction work. The contractor shall also coordinate the work with the U.S. Post Office at (805) 275-7777, Moorpark Unified School District at (805) 378-6300, Ventura County Fire Department at (805) 578-2980, Moorpark Police Department (805) 532-2700, and Waste Management at (805) 522-9400.

The Contractor shall make every effort to eliminate or minimize any impacts on U.S. Post Office, Moorpark Police Department, Ventura County Fire Department, and school traffic.

The Contractor shall coordinate the work with the City's Landscaping Inspector for temporary shutting off the irrigation systems by notifying at least two (2) full working days prior to the work.

The Contractor shall coordinate the work so that placement of asphalt or slurry seal does not occur on a trash pick-up day.

**901-8        REMOVAL OF MATERIALS**

All materials which are to be disposed of, including but not limited to, saw-cut concrete and asphalt concrete pavement, asphalt grindings, pavement fabric, miscellaneous concrete, and excess excavated earth and base material and other extraneous materials and debris, shall be removed immediately from the construction site. No overnight storage of materials or debris will be allowed in the street or surrounding areas. All surplus and extraneous materials and debris shall be disposed of by the Contractor at an approved landfill or disposal site at the Contractor's expense.

**901-9        EQUIPMENT AND MATERIALS STORAGE**

The Contractor shall arrange and maintain a secure storage site(s) for all equipment and materials. All equipment and unused materials shall be returned to this site(s) at the end of each work day. The Contractor shall submit a route plan for the delivery of materials to both the job and storage sites at least three (3) working days before commencing work. Construction equipment, vehicles and materials shall not be placed or parked in front of or within shopping center and other business establishments. No overnight storage of materials or equipment will be allowed in the street or surrounding areas

**901-10       WORK BEYOND PUBLIC RIGHT-OF-WAY**

Subsection 2-3, "Right-of-Way", of the SSPWC is hereby deleted, and replaced as follows:

All improvements proposed to be constructed for this project, per the Plans, are physically located within the public street rights-of-way with the exception of any restoration of landscape planting and irrigation system improvements disturbed during construction and the matching of existing onsite improvements. Should the Contractor, however, require or desire temporary work areas and facilities beyond and outside of the public street rights-of-way, the Contractor shall make arrangements, pay for, and assume all responsibility for acquiring, using, disposing, and restoring of temporary work areas and facilities. The Contractor shall indemnify and hold the City harmless from all claims for damages caused by such actions.

#### 901-11 PROTECTION OF EXISTING IMPROVEMENTS

During construction of the proposed improvements, extreme care shall be exercised to protect existing public and private property improvements, such as concrete and block walls, hardscape, fences, walks, brick planters, curbs, valves, asphalt, irrigation lines, landscaping, garden lights, utility meters, drainage structures, posts, signs, garden walls, mailboxes, etc., unless otherwise identified in these Special Provisions, or shown on the Plans for relocation/removal/ reconstruction by the Contractor. The protection of existing improvements in place may require shoring and/or bracing depending upon the condition of the facilities. Repair and/or replacement of any facilities damaged and/or removed by the Contractor, that is to remain, shall be at the expense of the Contractor.

No markings will be allowed on existing cross-gutters, spandrels, curb/gutters, and sidewalks. All USA and other markings shall be removed by the Contractor.

#### 901-12 DUST AND NOISE CONTROL

The Contractor shall provide the means to prevent dust, grit, excessive noise and other waste products from becoming a nuisance in and around the working areas. The Contractor shall take such steps, with the approval of the Engineer, to reduce or eliminate such nuisance. The Contractor is required to control dust during the entire contract period, including holidays and weekends.

If the Contractor fails to control dust in accordance with these contract specifications, the City reserves the right to hire another contractor or agency to perform such work on a "force account" basis. The total cost for performing this work will be deducted from the total price of this Contract.

Refer to Appendix D for Ventura County APCD Rule 55, Fugitive Dust.

#### 901-13 MAINTENANCE OF EXISTING DRAINAGE SYSTEM

The Contractor shall maintain the existing drainage system within the streets and the adjacent, affected private property during the entire duration of the construction. This item shall include applicable erosion control.

#### 901-14 SUBMITTALS

Section 3-8, "Submittals," is hereby supplemented as follows:

Submittals (as applicable) shall consist of mix design and pre-testing of asphalt concrete, asphalt rubber hot mix, aggregate base, Portland Cement Concrete, material certification for tack coat, and crack sealant. Tests will largely be performed in accordance with the City's adopted Quality Assurance Program "QAP". The City will undertake plant inspections and testing of special items such as asphalt concrete and aggregate base.

Three weeks prior to the use of any material, the Contractor shall provide written certifications, shop drawings, and mix designs of all materials to be incorporated in the work. The Contractor shall not deliver any or use such materials prior to the approval of the Engineer in writing.

901-15      PROGRESS PAYMENTS

The Contractor, or its designated representative, shall sign a monthly quantity payment sheet of completed work in order to expeditiously process monthly progress payments.

901-16      WATER FOR CONSTRUCTION

Water for construction purposes, as required by these specifications, may be obtained from the Ventura County Water Works District No. 1, (805) 378-3000. The Contractor shall make all arrangements to obtain and transport the water, and shall, at his own expense, furnish and install all necessary metering, piping and fittings. All costs associated with water for construction shall be borne by the Contractor.

901-17      MEASUREMENT AND PAYMENT

No separate payment will be made for any other work or other features as required and outlined in this Section, "Special Construction Requirements". Full compensation for all other work and features shall be considered as included in the contract unit or lump sum prices bid for other applicable items of work, and no additional compensation will be allowed, therefore.

## SECTION 902

**MOBILIZATION, BONDS AND INSURANCE**

(Bid Item No. 1)

902-1 **MOBILIZATION**

Mobilization shall consist of preparatory work and operations including, but not limited to, those necessary for the storage and movement of personnel, equipment, materials, supplies, and incidentals to the project sites, and for all other work operations which must be performed, or costs incurred (including bonds and insurance), prior to beginning work on the various contract items on the project sites.

The Contractor shall submit two copies of a video documentation, on DVD, of the jobsite prior to the start of construction, for the purpose of providing a record of existing conditions. The video shall provide a view encompassing the entire project with sufficient clarity and scope that will satisfy the Engineer.

The video should include and confirm utility markings prior to excavation. The Contractor shall submit the video with a written log stating any defects or irregularities in the existing improvements along the proposed improvements and project site. The log shall include the location, date, and time the video was made. Upon acceptance by the Engineer, the video (DVD) and logs shall become the property of the City. The video shall include existing landscaping to be removed and reinstalled during construction.

902-2 **PERMIT FEES**

The following and any other permitting and agency fees shall be included in the cost of Mobilization.

902-2.1 **City Encroachment Permit**

The Contractor is required to obtain a no-fee Encroachment Permit from the City prior to commencing any construction within City right-of-way.

Refer to Appendix F for additional permit information.

902-3 **MEASUREMENT AND PAYMENT**

Payment for Mobilization, Bonds, and Insurance will be made on the lump sum basis as identified within the Bid Proposal form and shall include full compensation for bonds, insurance, required permits and fees, shop drawings, project phasing, supervision, coordination of concurrent work with other contractors, meetings, "as-built" plans, cleanup of the work area, movement of personnel, equipment, supplies, and incidentals to and from the project site, and for the establishment of all other facilities necessary for work on the project; and for all other work and operations which must be performed or costs incurred prior to beginning work on the various contract items of work on the project site.

75% shall be paid upon completion of mobilization and the remaining 25% shall be paid upon City acceptance of the work. No separate payment will be made for any other work or other features as required and outlined in the Section, "Special Construction Requirements". Full compensation for all other work and features shall be considered as included in the contract unit or lump sum prices bid for other applicable items of work, and no additional compensation will be allowed therefor.

## SECTION 903

**TRAFFIC CONTROL**

(Bid Item No. 2)

903-1 GENERAL

Traffic control, construction signing and traffic maintenance shall consist of all traffic control involved in the Contractor's operations as required by these Specifications. Traffic control shall be in accordance with the most recent revision of the Caltrans "Manual of Traffic Controls for Construction and Maintenance Work Zones" and "Standard Plans" and the SSS Subsections 7-1.03, "Public Convenience," 7-1.04, "Public Safety," and Section 12, "Temporary Traffic Control." Nothing in these Specifications shall be construed as relieving the Contractor from his/her responsibility as provided in the SSS Subsection 7-1.04. All measurement and payment clauses of the SSS are hereby deleted and modified herein.

903-2 CONSTRUCTION - TRAFFIC CONTROL DEVICES

Construction signing shall consist of furnishing, installing, maintaining and removing construction signs, barricades, and arrow boards in accordance with the most recent version of the Caltrans Manual of Traffic Controls and Standard Plans. The traffic control system shall be installed prior to starting work at each location and shall not be removed until all work has been completed. The Contractor shall post and maintain all necessary construction signs and flaggers. Traffic control placement and removal and associated work within the street shall take place during City-approved work hours.

The Contractor, where directed and as approved by the Engineer, shall 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. The signs shall be placed (72) hours in advance of any work. The signs shall include the day and the time during which parking will not be permitted. These signs shall be posted on laths only. Trees, mailboxes, utility posts, etc., shall not be used. The Contractor shall remove these signs immediately when they are no longer needed.

The Contractor shall 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 shall provide experienced flaggers to perform the function of traffic control. While on duty, flaggers shall be properly attired and equipped. If in the opinion of the City 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. In addition, if an intersection is

blocked causing unnecessary congestion, the Contractor may be liable for a fine of \$1,000 for each incident.

The Contractor shall 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 shall be placed at the same intervals/locations as the barricades and shall be illuminated from sunset each day until sunrise of the following day.

### 903-3 SPECIAL TRAFFIC ADVISORY SIGNS

#### Project Advisory Signs

The Contractor shall furnish, install and maintain "Temporary Road Construction" signs as shown in Appendix "C" for each street under construction. A total of four (4) such signs shall be placed at locations to be determined by the Engineer. These signs shall be in place seven (7) working days prior to the start of construction. The signs shall be maintained for the duration of the project.

#### Business Entrance Advisory Signs

The Contractor shall furnish, install and maintain "Temporary Business Entrance" signs as shown in Appendix "C" in the quantities appropriate for each business entrance affected by the construction and as determined by the Engineer. The Contractor shall maintain each sign, with each arrow properly oriented, until the business entrance is no longer affected by the construction.

### 903-4 TRAFFIC MAINTENANCE

The Contractor shall provide a traffic control plan (TCP) for each phase of construction and submit it to the Engineer for approval. The TCP shall 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 City Engineer is received, standard traffic control drawings from the Caltrans Manual of Traffic Controls or Standard Plans may be substituted for engineered plans for typical locations and shall include written details regarding the street segment affected and the hours of operation.

The Contractor shall cooperate with the Engineer relative to handling traffic through all work areas, and shall 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.

The Contractor shall maintain two-way vehicular traffic at all times, unless otherwise approved by the Engineer. The Contractor shall provide for controlled pedestrian crossings through the work area. Crossings shall provide pedestrians the means of

passing over or through the work without tracking either tack coat or hot asphalt concrete, or endangering pedestrian safety.

Throughout the life of the project, safe, unobstructed and adequate pedestrian and vehicular access shall 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.

Where non-motorized (pedestrian, equestrian, or bicycle) facilities exist, they shall be maintained in passable condition or other facilities shall be provided. Passage between facilities at intersections shall likewise be provided. In areas of high volume non-motorized traffic, such as shopping centers, the Contractor shall provide for controlled pedestrian crossings through the work or schedule work to avoid peak non-motorized volumes. Crossings shall provide for the existing non-motorized volumes. The crossings shall provide a means of passing over or through the work without tracking construction materials such as tack coat or hot asphalt concrete.

The Contractor's equipment, and personal vehicles of the Contractor's employees, shall not be parked on the traveled way or on any section where traffic is restricted at any time.

When material excavated for substructure construction is placed adjacent to the trench or excavation, it shall be placed in such manner as to economize space and minimize interference with traffic. If necessary, such material shall 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 shall be kept open at all times.

The Contractor shall 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 shall pay to the City, or the City may deduct, the cost of such work from any moneys due the Contractor from the City.

#### 903-5 PUBLIC RELATIONS, CONSTRUCTION PHASING, AND ACCESS

This project includes work in business and residential areas and it is imperative that access to each driveway during construction is maintained per these Specifications. The Contractor shall conduct his/her operations so as to minimize inconvenience to the public vehicular traffic. The Contractor shall have under construction no greater amount of work than is demonstrated that the Contractor can handle properly with due regard for the rights of the public.

Project construction shall 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 on each schedule shall be performed to accommodate two lane (10 feet minimum width).

903-6        ACCESS TO LOCAL RESIDENCES AND BUSINESSES

Access to adjacent streets and residential and business driveways must be considered and respected 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 shall incorporate provisions or steps for the accommodation of the access needs.

903-7        RESTRICTIONS ON CLOSURE OF STREETS AND TRAFFIC LANES

The Contractor shall at all times provide a minimum of two traffic lanes.

The full width of the traveled way shall be open for use by the public on Saturday, Sunday and any day designated by the City as a legal holiday; after 4:30 p.m. Friday, after 4:30 p.m. on the day preceding a designated legal holiday; and on any working day when construction operations are not actively in progress.

When a section of pavement has been completed, it shall, when ordered by the Engineer, be opened for use by traffic.

903-8        MEASUREMENT AND PAYMENT

Measurement and payment for Traffic Control, will be made at the contract lump sum price bid as shown in the Bid Schedule and shall include all costs for preparation of traffic control plans, coordination for approval of traffic control plans, implementation, installation and maintenance of traffic control and temporary signing and striping including construction area signs, barricades, flaggers, temporary pavement, and temporary facilities required for the safe handling of pedestrian and vehicular traffic for 24 hours per calendar day in accordance with the California Manual of Uniform Traffic Control Devices for the duration of the Work to completion. Traffic Control work also includes public notifications and written notices to property owners and tenants affected by the Work. Traffic Control shall be billed and paid commensurate with the project's percentage of completion.

## SECTION 904

**CONSTRUCTION SURVEY**

(Bid Item No. 3)

904-1 **CONSTRUCTION SURVEYING**

Delete the first sentence of SSPWC Section 3-10.1. The Contractor shall provide all necessary construction surveying in accordance with the SSPWC Section 3-10, "Surveying". The Contractor shall bear all costs for survey staking and restaking or remarking. The Contractor shall provide at least forty-eight hours notification for the need of survey services.

The locations and limits of removal and construction of miscellaneous concrete and asphalt concrete facilities will be staked or marked by the Contractor and verified by the Engineer in the field.

904-2 **SURVEY MONUMENT TIES ADJUSTMENTS**

Delete the first sentence of SSPWC Section 3-10.1. The Contractor shall provide all necessary construction surveying in accordance with the SSPWC Section 3-10, "Surveying". The Contractor shall bear all costs for survey staking, restaking, and/or remarking. The Contractor shall provide at least forty-eight hours notification for the need of survey services.

The Contractor shall 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. All existing nails and markers within the limits of sidewalks, curbs, curb/gutters, curb ramps and streets shall be tied down by the City's Contract Surveyor prior to such removals for subsequent adjustment and/or installation. Where a survey monument and/or property corner tie will be removed due to this construction, the Contractor shall save the monuments, markers, and appurtenances. The reinstallation of the actual monuments and/or property corners will be accomplished by the Contractor's Surveyor. A forty-eight hour notification to the City is required before removal of a survey monument tie.

904-3 **MEASUREMENT AND PAYMENT**

Measurement and payment for this item of work will be completed on a percent complete of the lump sum basis for Construction Survey as provided on the Bid Proposal form and in accordance with the contract documents and shall include all costs for construction staking required to layout the Work to the lines and grades required on the Plans, reference stakes, preparation of cut sheets, and replacing disturbed monuments, complete.

Full compensation for all other work and features shall be considered as included in the contract unit or lump sum prices bid for other applicable items of work, and no additional compensation will be allowed therefore.

## SECTION 905

**STORMWATER POLLUTION CONTROL**

(Bid Item No. 4)

905-1 **GENERAL DESCRIPTION**

- A. The Contractor shall prepare and maintain a Stormwater Pollution Control Plan (SWPCP) on the form provided by the City, included in Appendix E of this specification, which describes in specific detail the Contractor's program to prevent contamination of the stormwater collection system. Contractor shall implement, maintain, inspect and remove all erosion and sediment controls identified in the SWPCP. The program shall address both common construction activities and extraordinary events.
- B. Contractor shall include Water Pollution Control Drawings (WPCD) in the SWPCP to illustrate the locations, applications and deployment of best management practices (BMPs) identified in the SWPCP. The WPCDs shall be included as an attachment to the SWPCP. Sample WPCDs can be obtained from the Caltrans Storm Water Quality Handbook. The SWPCP shall also comply with the City's Municipal Stormwater Permit (Order No. R4-2021-0105, Permit No. CAS004004). A copy of the permit is available for review from the City of Moorpark's Stormwater Management Analyst; phone 805-517-5257.
- C. The Contractor shall comply with laws, rules, and regulations of the State of California and agencies of the United States Government prohibiting the pollution of lakes, wetlands, streams, or river waters from the dumping of contaminants, refuse, rubbish or debris.
- D. The Contractor shall submit a copy of the SWPCP a minimum of 10 working days prior to beginning construction. Construction shall not begin until the SWPCP is approved. Contractor shall update the SWPCP as necessary during the work to prevent contamination of the stormwater collection system. At completion of construction, contractor shall provide City with site copy of the SWPCP, including all required inspection and training reports.
- E. Before start of work, Contractor shall train all employees and subcontractors on the SWPCP and related WPCD and provide City with written documentation of said training.
- F. Suggested BMPs can be obtained from the following sources:
- a. City Municipal Stormwater Permit Order No. R4-2021-0105, Permit No. CAS004004.

- b. Ventura County Municipal Separate Storm Sewer System Permit/Order 2010-0108 available at Los Angeles Regional Water Quality Control Board website at [http://www.swrcb.ca.gov/rwqcb4/water\\_issues/programs/stormwater/municipal/index.shtml](http://www.swrcb.ca.gov/rwqcb4/water_issues/programs/stormwater/municipal/index.shtml)
- c. California Stormwater BMP Handbooks for Construction or Municipal Activities [www.cabmphandbooks.com](http://www.cabmphandbooks.com)
- d. Ventura Countywide Stormwater Quality Management Program [www.vcstormwater.org](http://www.vcstormwater.org).

905-2

CONSTRUCTION

- A. The Contractor shall keep a copy of the SWPCP on the job site. The Contractor shall provide continuously at the jobsite all of the tools, equipment, and materials necessary to implement the SWPCP at all times from project initiation through completion, including any punchlist or warranty work on the project.
- B. At a minimum, the following requirements should be met as applicable, to the maximum extent practicable, at construction sites regardless of size:
  - a. **Storm Drain System Protection** – At the first order of work, the Contractor shall protect the existing storm drain system from entrance of construction debris and pollutants. Such protection shall include implementing the BMPs as outlined in the SWPCP. Protection shall prohibit the discharge of untreated runoff from temporary or permanent street maintenance/landscape maintenance material and waste storage areas from entering the storm drain system. Sediment that is generated on the project site shall be retained using structural drainage controls. In addition, the protection system shall have a minimum of three features: 1) a particulate filter of geosynthetic material securely fastened in place such that it cannot be bypassed without significant physical damage; 2) a prefilter for the particulate filter; and 3) on-hand materials to close off the inlet or opening in the case of a significant pollution spill. Contractor shall monitor and maintain all storm drain inlet protection devices during rain events to prevent flooding. All curb inlet BMP devices shall be fabricated "L" or "Z" shaped reusable type with high flow bypass and have gravel bags at each end and at inlet device overlaps.
  - b. **Material Management & Storage** – No construction-related materials, wastes, spills or residues shall be discharged from the project site to streets, drainage facilities or adjacent

properties by wind or runoff. All materials and/or equipment storage areas where liquid construction materials are placed shall be protected by a physical barrier capable of containing the entire volume of stored liquid materials. During active construction activities, portions of the barrier may be removed for access. However, the barrier materials must be readily accessible for replacement by onsite construction personnel. The barrier must be in place at all times during the absence of Contractor personnel at the storage site. Building materials should be placed on pallets and covered in event of rain. Do not store materials in the street or gutter area.

- c. **Equipment & Vehicle Maintenance** – Non-stormwater runoff from equipment and vehicle washing and any other activity shall be contained at the project site and shall not be allowed to discharge from the project site to streets, drainage facilities or adjacent properties by wind or runoff. The Contractor shall inspect vehicles and equipment on each day of use. Leaks shall be repaired off-site if possible. If necessary to repair on site, the runoff must be contained or the problem vehicle or equipment shall be removed from the project site until repaired. If necessary, drip pans should be placed under the vehicles or equipment while not in use to catch and/or contain drips and leaks.
- d. **Spill Prevention & Cleanup Plan** - Contractor shall have a spill prevention plan and spill cleanup materials readily available and addressed in the SWPCP. Spills shall be cleaned up immediately using dry methods if possible. Spill cleanup material shall be properly disposed of. Refer to SC-11 Spill Prevention BMP from the California Stormwater BMP Handbook for Municipal Activities. Contractor shall keep a record of any spills in the inspection log. In addition, at the end of the project, the Contractor must certify that all contaminated materials have been properly disposed in accordance with the SWPCP.
- e. **Sidewalk & Storm Drain Cleaning** – The following methods shall be utilized to prevent discharge of storm drain maintenance and sidewalk cleaning wastewater into the storm drain system:
  - 1. Sweep and pick up all areas to be cleaned before using water.

2. Manually scrape gum from sidewalks and other surfaces.
3. Must use high pressure and low volume of water with no additives and at an average usage of 0.006 gallons per square foot of surface area to be rinsed.
4. Use a wet/dry vacuum to collect wash water for disposal. Large volumes of wash water may require the use of a small sump pump to remove wash water from the job site.
5. One or more of the following methods are shall be used to prevent pollutants from entering the storm drain system:
  - a) Sandbags to create a barrier around storm drains. \*
  - b) Rubber mats or plugs to seal drain openings or outlet pipes when cleaning inside of drain inlet. \*
  - c) Collect liquid waste from catch basins by vacuuming and placing in leak proof container with secure lid for transport to a city approved facility for proper disposal. Collect solid waste by vacuuming or sweeping and securing in an appropriate covered container for transport to a city approved facility to be disposed of properly.
  - d) Temporary berms or containment pads to keep water on site. \*
  - e) Use berms of sandbags to direct wash water to landscaping. \*
  - f) Use large squeegees to accumulate sheet flow for collection.

**\*Remove plugs, berms, and sandbags to prevent Contractor liable for possible flooding.**

Wash water that may contain hazardous waste such as oil-saturated absorbents, water with lead or other heavy metals from oxidized paint, and solvent cleaners requires special treatment and must be disposed of through a hazardous waste facility.

- f. **Employee BMP Training** – Contractor shall train employees and subcontractors on BMP implementation, general good housekeeping, and proper spill containment and cleanup. Before start of work, Contractor shall provide City with written documentation of training and keep all documentation in the SWPCP.

- g. **Inspection** – The Contractor shall inspect all pollution control BMPs per schedule below. Contractor shall forward electronic copies of inspection reports to City Stormwater Program Manager by the end of the week that inspection took place. The Contractor should also repair/replace any damaged BMP or clogged element on a daily basis. The Contractor shall keep a monitoring inspection log of each inspection in the SWPCP. Minimum inspection frequency:
1. Once per month during the non-rainy season (April 16 – September 30)
  2. Once per week during the rainy season (Oct. 1 – April 15)
  3. Before, during and after a major rain event, the area shall be inspected at a minimum twice per day, seven days per week, whether or not any work has been performed. The daily checks shall be between 6 and 9 am and 4 and 8 pm.
- h. **Removal of Accumulated Rainwater** – The Contractor shall follow the City Moorpark 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 shall use BMPs to ensure that the water does not exceed 100 mg/l of Total Suspended Solids and no other construction waste is present in the water to be discharged before discharging to drainage facilities.
- i. **Housekeeping** – Use a broom rather than a hose to cleanup landscape debris, dirt, and construction debris and keep them out of the street and gutter. Contain trash & landscape debris, do not blow them into the street or offsite. Keep containers covered, especially when it is raining. Fix and clean up any equipment leaks and spills. Place drip pans under heavy equipment when they are not in use. Locate portable toilets away from storm drains and waterways. Use secondary containment and secure them in high wind events to prevent overturning. Cover stockpiles and protect prior to onset of rain. Store materials preferably indoors; but if outside, cover and store them on pallets with secondary containment. Have a

spill cleanup plan and clean up spills immediately. For hazardous materials, follow cleanup instructions on package. Use absorbent material such as kitty litter to contain spills. Do not clean paint brushes and construction tools in the storm drain, gutter or street. Make certain to properly dispose of excess paints as well as other hazardous wastes properly.

905-3      MEASUREMENT AND PAYMENT

The measurement and payment for Stormwater Pollution Control will be paid for on a project percent-complete basis at the contract lump sum price bid as shown in the Bid Schedule.

The above contract price and payment shall be considered as 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, including good housekeeping practices, containment of waste, control of 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 SWPCP, complete, as specified in these Special Provisions, and as directed by the Engineer or designee.

## SECTION 906

**TREE AND PLANT PROTECTION**

(Bid Item No. 5)

906-1 GENERAL

This section includes the protection and trimming of existing trees that interfere with, or are affected by, execution of the Work, whether temporary or permanent construction.

The Contractor shall protect all existing trees, shrubs, vegetation, and landscaped areas within and adjacent to the project limits. It is the Contractor's responsibility to ensure that no damage occurs to protected vegetation during construction operations.

The Contractor shall familiarize themselves with site conditions and identify all vegetation to remain in place. No tree or plant shall be removed, pruned, relocated, or damaged without written approval from the City.

Submittals

- Tree Pruning Schedule: Written schedule from arborist detailing scope and extent of pruning of trees to remain that interfere with or are affected by construction.
- Certification: From arborist, certifying that trees indicated to remain have been protected during construction according to recognized standards and that trees were promptly and properly treated and repaired when damaged.
- Maintenance Recommendations: From arborist, for care and protection of trees affected by construction and after completing the Work.

Quality Assurance

- Arborist Qualifications: An arborist certified by ISA or licensed in the jurisdiction where Project is located.
- Tree Pruning Standard: Comply with ANSIA300 (Part 1), "Tree, Shrub, and Other Woody Plant Maintenance—Standard Practices (Pruning)."

906-2 MATERIALSTree protection fencing shall consist of:

- Temporary Fence Material: 4' high orange thermoplastic fence material: Tenaz Guardian visual barrier as distributed by the Home Depot.
- Temporary Fence Posts: 6' high green 'T' posts as distributed by the Home Depot.

906-3 EXECUTIONPreparation

- Temporary Fencing: Install temporary fencing around tree protection zones to protect remaining trees and vegetation from construction damage. Maintain temporary fence and remove when construction is complete.
- Protect tree root systems from damage caused by runoff or spillage of noxious materials while mixing, placing, or storing construction materials. Protect root systems from ponding, eroding, or excessive wetting caused by dewatering operations.
- Do not store construction materials, debris, or excavated material inside tree protection zones. Do not permit vehicles or foot traffic within tree protection zones; prevent soil compaction over root systems.

#### Excavation

- Install shoring or other protective support systems to minimize sloping or benching of excavations.
- Do not excavate within tree protection zones, unless otherwise indicated.
- Where utility trenches are required with tree protection zones, tunnel under or around roots by drilling, auger boring, pipe jacking, or digging by hand.
  - Root Pruning: Do not cut main lateral roots or taproots; cut only smaller roots that interfere with installation of utilities. Cut roots with sharp pruning instruments; do not break or chop.

#### Regrading

- Grade lowering: Where new finish grade is indicated below existing grade around trees, slope grade beyond tree protection zones. Maintain existing grades within tree protection zones.
- Minor Fill: Where existing grade is 6 inches or less below elevation of finish grade, fill with topsoil. Place topsoil in a single uncompacted layer and hand grade to required finish elevations.
- Moderate Fill: Where existing grade is more than 6 inches but less than 12 inches below elevation of finish grade, place drainage fill, filter fabric, and topsoil on existing grade as follows:
  - Carefully place drainage fill against tree trunk approximately 2 inches above elevation of finish grade and extend not less than 18 inches from tree trunk on all sides. For balance of area within drip-line perimeter, place drainage fill up to 6 inches below elevation of grade.
  - Place filter fabric with edges overlapping 6 inches minimum.
  - Place fill layer of topsoil to finish grade. Do not compact drainage fill or topsoil. Hand grade to required finish elevations

#### Tree Pruning

- Prune trees to remain that are affected by temporary and permanent construction as directed by an arborist.
- Prune trees to remain to compensate for root loss caused by damaging or cutting root system. An arborist shall be on site to direct trimming of trees

for maintenance or construction access as approved by the owner's representative. Provide subsequent maintenance during Contract period as recommended by arborist.

- Pruning Standard: Prune trees according to ANSI A300 (Part 1)
- Cut branches with sharp pruning instrument; do not break or chop.
- Remove tree branches offsite.

#### Tree Repair and Replacement

- Promptly repair trees damaged by construction operations within 24 hours. Treat damaged trunks, limbs, and roots according to arborist's written instructions.

#### Disposal of Waste Materials

- Burning is not permitted.
- Disposal: Remove excess excavated material and displaced trees from owner's property.

### 906-4 PROTECTION REQUIREMENTS

#### Fencing and Barriers

- Prior to any ground disturbing activities, the Contractor shall install protective fencing around trees and landscape areas designated to remain.
- Fencing shall be 4' high temporary fencing and securely anchored.
- Fencing shall remain in place for the duration of construction.

#### Tree Protection Zone

- Identify, locate, and protect survey monumentation to remain.
- Conform to applicable Codes for demolition of structures, safety of adjacent structures, and dust control.

### 906-5 DAMAGE AND CORRECTIVE ACTION

Contractor shall repair at his expense, any damage whether inside or outside of the project limits, to utility systems, surface pavements, fixtures, structures, or vegetation that is not specifically indicated to be removed as part of this demolition plan. All damaged items shall be repaired or replaced at no cost to the City.

### 906-6 MEASUREMENT AND PAYMENT

Tree and Plant Protection will be measured on a lump sum (LS) basis, covering all work required under this section.

Payment for Tree and Plant Protection at the contract LS price, includes full compensation for:

- Installing, maintaining, and removing protection fencing
- Protecting adjacent landscaped areas
- Watering or temporary irrigation
- All labor, materialism tools, and incidentals necessary
- Root protection, cleanup, and site restoration

No separate payment will be made for:

- Repairs or replacement of vegetation damaged due to Contractor operations
- Additional work resulting from Contractor negligence

## SECTION 907

**DEMOLITION/SITE CLEARING**

(Bid Item No. 6)

907-1 GENERAL

The scope of work for demolition includes the removal and/or relocation of items as identified on the project plans and in accordance with the Bid Schedule. The items include sawcutting, removal of pavement, curb, driveway, ramps, fence, bollards, signs and vegetation.

The Contractor shall take all necessary steps in accordance with Section 300-1 Clearing and Grubbing of the Standard Specifications except as note herein. Contractor shall reference Sheet 2 of the Construction Plans (Appendix G) for demolition and site clearing job.

907-2 CONSTRUCTION

In the performance of the demolition and relocation work, the Contractor shall do the following:

- Identify, locate, and protect utilities to remain.
- Identify, locate, and protect survey monumentation to remain.
- Conform to applicable Codes for demolition of structures, safety of adjacent structures, and dust control.
- Coordinate with City arborist concerning the protection of existing trees and tree roots.
- Obtain required permits from local and regulatory agencies.
- Notify affected utility companies before starting work and comply with their requirements.
- Not close or obstruct roadways without permits.
- Conform to applicable regulatory procedures when hazardous or contaminated materials are discovered.
- Protect existing materials, appurtenances, and structures that are not to be demolished.
- Conduct operations with minimum interference to public or private accesses. Maintain protected egress and access at all times.
- Obtain written permission from adjacent property owners when demolition equipment will traverse, infringe upon, or limit access to their property.

- Sprinkle demolition areas with water to minimize dust. Provide hoses and water connections for this purpose.
- Disconnect and cap designated utilities within demolition areas.
- Remove disconnected utilities.
- Remove foundation footings to a minimum of two feet below finished grade beyond area of new construction.
- Remove concrete slabs on grade.
- Rough grade and compact areas affected by demolition to maintain site grades and contours.
- Remove demolished materials from site. Disposal of removed materials shall be at contractor's cost.
- Do not burn or bury materials on site. Leave site in clean condition.
- Remove temporary work.

907-3      MEASUREMENT AND PAYMENT

Measurement and payment for clearing and grubbing, will be made at the contract lump sum price in the Bid Schedule.

Measurement and payment for sawcutting, and removal will be made at the contract lump sum price.

Measurement and payment for sawcutting and removal of asphalt, Portland cement concrete and brick pavements will be made at the contract lump sum.

The contract prices paid shall constitute full compensation for furnishing all labor, materials, tools, equipment, transportation, disposal, and incidentals, and for performing all work necessary to complete the demolition, removal, protection, salvage, and/or relocation of items identified in the Bid Schedule, in accordance with the Construction Plans (see Appendix G), the Standard Specifications, these Special Provisions, and as directed by the Engineer.

Any damage to improvement, utilities, or facilities outside the designated limits of work resulting from the Contractor's operations shall be repaired or replaced at the Contractor's expense to the satisfaction of the Engineer.

Disposal of all demolished and removed materials off-site shall be considered incidental to the contract prices bid for the applicable items of work, and no additional compensations shall be allowed.

SECTION 908

**GRADING AND EXCAVATION**

(Bid Item No. 7)

908-1      GENERAL

Earthwork shall conform to the provisions in Section 300, "Earthwork," of the Standard Specifications and these special provisions.

Quantities of all types of existing subbase or base or surfacing removed will be included in the quantities of the type of excavation in which they are located, and no separate payment will be made therefore.

Existing asphalt pavement indicated to be removed on the plans shall be removed and dispose outside of the project limits in a legal manner, in accordance with Section 906 of these Special Provisions and the Standard Specifications. Existing asphalt pavement to be removed is not considered roadway excavated material.

Surplus excavated material shall become the property of the Contractor and shall be disposed of in conformance with the provisions in Section 300-2.6, "Surplus Material," of the Standard Specifications.

Surplus excavated material not designated as hazardous waste due to aurally deposited lead shall become the property of the Contractor and shall be disposed of in conformance with the provisions in Section 300-2.6, "Surplus Material," of the Standard Specifications.

908-2      MEASUREMENT AND PAYMENT

Measurement and payment for excavation and fill, complete in place, will be made at the contract lump sum price bid for the bid items for which excavation and fill is required and no additional payment shall be made therefore.

Damage of any items outside the clean payment lines, as a result of the construction operations, shall be considered as included in the contract prices bid for other applicable items of work, and no additional compensation will be allowed therefore.

## SECTION 909

**CONCRETE BUS PAD**

(Bid Item No.8)

909-1 GENERAL

This section describes furnishing all labor, materials, equipment, and incidentals necessary to construct the Concrete Bus Pad along High Street as shown on the construction plans (Sheets L-1.1, L-2.1, L-2.2, and Standard Plan 131-2).

Work includes, but is not limited to:

- Sawcutting and demolition of existing AC pavement, sidewalk, curb, and gutter as indicated.
- Excavation, subgrade preparation, and compaction.
- Placement of Class 2 Aggregate Base (CMB) where required.
- Installation of Portland Cement Concrete bus pad, including reinforcement, joints, finishing, curing, and bond breaks.
- Conformance to Standard Plan 131-2 (Concrete Bus Pad).

All work shall comply with the Standard Specifications for Public Works Construction (Greenbook) and the project construction plans.

909-2 MATERIALSConcrete

- PCC Compressive Strength: Minimum 8 inches thick unless noted otherwise.
- Strength per geotechnical recommendations (referenced in L-2.1 Paving & Surfacing Schedule).
- Rough transverse broom finish required (per Standard Plan 131-2).

Aggregate Base

- Class 2 CMB, compacted to 95% relative compaction.

Reinforcement

- Rebar and dowels per Structural Plans and Standard Plan 131-2.
- All reinforcing steel shall meet ASTM A615 Grade 60.

Expansion Joint Material

- ½-inch pre-molded expansion joint filler with tear-away top, per plans.

Bonding Epoxy

- Required where new PCC abuts existing concrete (Standard Plan 131-2 Note #4).

## 909-3 CONSTRUCTION REQUIREMENTS

### Layout

Contractor shall establish limits of the bus pad per Sheets L-1.1 (Demolition), L-2.1 (Construction Plan), L-2.2 (Paving Details), and Standard Plan 131-2.

### Sawcutting and Demolition

- Sawcut existing AC pavement, curb, gutter, and sidewalk neatly.
- Remove materials to the limits shown.
- Protect existing improvements to remain.

### Subgrade Preparation

- Excavate to required depth.
- Remove unsuitable materials as directed.
- Compact subgrade to 95% relative compaction.

### Aggregate Base Placement

- Install Class 2 CMB as required (Standard Plan 131-2 notes).
- Compact to 95%.

### Concrete Placement

- Minimum 8-inch PCC thickness unless otherwise shown.
- Install reinforcing steel and dowels per structural details.
- Provide epoxy bonding agent where PCC abuts existing concrete.
- Finish surface with rough transverse broom finish.

### Jointing

Per Standard Plan 131-2 and Sheet L-2.2:

- Transverse weakened-plane joints: Every 10 ft (approx.).
- Longitudinal weakened-plane joint to match existing gutter width or 2 ft if none exists.
- Expansion joints at all adjacent foundations or segmented areas.

### Curing

Cure per Greenbook standards; keep concrete moist for minimum 72 hours unless otherwise approved.

### Protection

Contractor shall protect bus pad and adjacent improvements until strength is achieved and accepted by the City.

## 909-4 MEASUREMENT & PAYMENT

### Measurement

Concrete Bus Pad will be measured on a Square Feet (SF) basis, which shall include:

- All PCC, reinforcing steel, dowels, joint work, curing, and finishing.
- Epoxy bonding at PCC interfaces.
- All labor, materials, equipment, and incidentals for a complete and functional bus pad.

Payment

Payment for “Concrete Bus Pad (SF)” constitutes full compensation for all work required to complete the concrete bus pad in accordance with the plans and these Special Provisions.

No additional payment will be made for:

- Sawcutting and demolition
- Removal and disposal
- Subgrade preparation or compaction
- Aggregate base
- Excavation beyond plan limits unless authorized in writing
- Protection of existing facilities

All such costs shall be included in the unit prices per square feet.

## SECTION 910

**PORTLAND CEMENT CONCRETE IMPROVEMENTS**

(Bid Item No. 9 and 10)

910-1 **GENERAL**

New and existing concrete facilities, including curb, curb and gutter, sidewalk, and other facilities shown on the Plans shall be removed and replaced or constructed at the locations indicated on the Plans or as directed by the Engineer. The existing concrete shall be sawcut full depth prior to excavation. In locations where the curb and gutter were cast monolithically with the sidewalk, the sawcut shall extend to the full depth required to assure complete separation of the curb from the sidewalk. Any concrete broken due to the Contractor's failure to comply with these requirements shall be removed and replaced at the Contractor's expense.

Where sidewalk, curb, and curb and gutter is to be removed and replaced or constructed within the same location that has been disturbed by tree roots, and where roots are found, the base and soil shall be over excavated an additional 12 inches and any tree roots removed. Any roots over 4 inches thick must be reviewed by the Arborist prior to removal.

910-2 **BASE PREPARATION**

The existing concrete to be replaced shall be removed and disposed of by the Contractor in accordance with the construction documents. The existing subgrade shall be compacted to 90% relative compaction and trimmed to the dimensions shown on the plans. All work shall comply with Section 300 of the Standard Specifications. Soil sterilization shall be performed in accordance with Section 301-1.2 of the Standard Specifications.

910-3 **MATERIALS**

Concrete shall conform to Section 201 of the Standard Specifications and shall be Class 520-C-2500.

910-4 **CONSTRUCTION**

Construction shall conform to Section 303 of the Standard Specifications and the following standard plans:

Concrete Sidewalk  
Concrete Curb and Gutter

VCRdStds Plate E-3, SSPWC 112-2  
VCRdStds Plate E-1, SSPWC 120-3,

The new concrete facilities shall be placed as marked by the Engineer. The line and grade of the replaced facilities shall conform to the existing facilities. In most instances, this will consist of a straight line between existing facilities. The Contractor shall water test all repaired curbs and gutters, cross gutters, and other repaired drainage facilities in the presence of the City's Inspector.

Contractor shall protect work until the concrete has cured sufficiently to prevent vandalism (graffiti inscriptions) to the finished work. Vandalized concrete shall be removed and replaced at the Contractor's expense.

Where curb or curb and gutter is to be removed and replace adjacent to pavement which is to remain in place, the asphalt concrete shall be removed at least 24 inches away from the concrete. After concrete is placed and cured, roadway subgrade shall be compacted to 90% relative compaction and the void filled with asphalt concrete in lifts not to exceed 2-1/2 inches. For concrete to be removed but not replaced, the void left shall be backfilled with clean native material.

After curing has been completed and forms have been removed from the new curb and gutter or sidewalk, the void between the new concrete and the existing parkway shall be filled with clean native material and the entire parkway left in a clean and orderly condition.

Driveways and alley approaches, including curb and gutter section adjacent, shall be removed and replaced within twenty four (24) hours. Curing time shall be seventy-two (72) hours.

#### 910-5 MEASUREMENT AND PAYMENT

Measurement and payment for concrete curb and gutter will be included in the unit price paid per lineal foot for 6" P.C.C. Curb and 24" Gutter and include full compensation for subgrade preparation, furnishing, spreading and compacting PMB, construction of forms; furnishing, placing and finishing concrete; expansion joints, score marks, curing compounds, and stripping of forms, complete and in place.

Measurement and payment for sidewalk will be included in the unit price paid per square foot for 4" P.C.C. Sidewalk and shall include full compensation for subgrade preparation, furnishing, spreading and compacting PMB, construction of forms; furnishing, placing and finishing concrete; expansion joints, score marks, curing compound and stripping of forms, complete and in place.

## SECTION 911

**PAVING AND SURFACING**

(Bid Item No. 11)

911-1      **GENERAL**

This item shall consist of furnishing all labor, materials, equipment, and incidentals necessary to install Brick Pavers With Header Band at the High Street Bus Shelter, as shown on the Construction Plans (Sheets L-1.1, L-2.1, L-2.2, and Paving Details).

Work includes, but is not limited to:

- Excavation and subgrade preparation
- Class 2 Aggregate Base
- Sand setting bed
- Installation of brick pavers in the pattern shown
- Installation of brick header band
- Cutting and trimming of pavers
- Installation of edge restraints where required
- Placement of joint sand and final compaction
- Cleanup and restoration of adjacent surfaces

All work shall conform to the project plans, the Standard Specifications for Public Works Construction (Greenbook), and manufacturer requirements.

911-2      **MEASUREMENT AND PAYMENT**

Brick Pavers With Header Band will be measured on a Square Foot (SF) basis as shown on bid schedule.

Measurement includes:

- Subgrade preparation
- Aggregate base
- Setting bed
- Brick pavers
- Header band
- Edge restraint
- Joint sand
- Cutting and trimming
- All labor, equipment, and incidentals

Payment for Brick Pavers With Header Band shall be full compensation for completing all work described in this Section and shown on the plans.

Payment includes, but is not limited to:

- All materials (pavers, sand, base, joint sand, edge restraints)
- Excavation, disposal, and site preparation
- Installation and compaction
- Cutting pavers

- Cleanup and protection
- Warranty and submittals

No additional payment will be made for grading, hauling, base preparation, trimming, or any incidental work. All such work is included in this bid item.

## SECTION 912

**BUS SHELTER STRUCTURE**

(Bid Item No. 12)

912-1      **GENERAL**

This section covers furnishing, delivering, assembling, and installing the Bus Shelter Structure including poured in place concrete column foundation for each shelter support column shown on the construction plans as shown on the Construction Plans (Sheets L-2.1 through L-3.1, Sheet S-0.1, S-1.0, S-2.0 and City standard details).

Work includes:

- Shelter frame and roof system
- Glazing or perforated panels
- Integrated seating (if part of shelter)
- Structural posts and base plates
- Anchor bolts and embed components
- Poured in place concrete column foundations for bus shelter columns
- Roof drainage components (if applicable)
- All necessary hardware and accessories

The shelter shall match the design aesthetic of the Moorpark Metrolink Station shelter, unless otherwise noted.

Contractor shall provide a complete and functional structure, fully anchored, safe, level, plumb, and compliant with ADA and all applicable codes.

912-2      **SUBMITTALS**

Contractor shall submit for approval:

- Manufacturer's shop drawings
- Structural calculations (signed and stamped by a California-licensed Professional Engineer)
- Anchor bolt layout
- Color and finish samples
- Roof panel samples
- Seating configuration
- Electrical provisions (if included)
- Installation instructions
- Warranty documentation

No fabrication or installation shall begin until written approval is obtained from the City.

912-3      **MATERIALS**

### Bus Shelter Components

Shelter shall be constructed of the materials specified on the plans and approved in submittals, including:

- Powder-coated aluminum or steel frame
- Perforated Steel Screen side panels
- Metal or composite roof panels
- Anti-graffiti coatings where specified
- Stainless steel or galvanized tamper-resistant hardware

All materials shall be corrosion-resistant and suitable for long-term exterior public use.

### Roof System

- Standing seam metal, aluminum panel, or equivalent as shown on plans
- Color and finish to match City standard
- UV-resistant and impact-resistant materials
- Integrated gutter or drip edge (if shown)

### Seating

- Bench seating shall match manufacturer recommendations and the plans.
- Powder-coated finish with vandal-resistant hardware.

### Fasteners and Anchors

- All exposed fasteners shall be stainless steel or powder-coated to match the structure.
- Anchor bolts shall be galvanized steel, sized per manufacturer and stamped structural calculations.

### Concrete Foundations

- Provide poured in place concrete column foundations for bus shelter support columns as shown on the construction plans.
- Foundations shall be constructed to the dimensions, elevations, and reinforcing shown on the construction plans.
- Work includes excavation, formwork, reinforcing steel, anchor bolts, concrete placement, finishing, curing, and back fill.
- Anchor bolt templates shall be used to ensure proper alignment with shelter base plates.
- Concrete foundations associated with the bus shelter are part of this bid item and are not paid for separately.

## 912-4      CONSTRUCTION REQUIREMENTS

### Layout

Contractor shall verify:

- Shelter location
- Concrete pad dimensions

- ADA clearances
- Sight lines and pedestrian access

Before installation, contractor shall coordinate with the City to confirm the exact positioning.

#### Assembly

- Assemble structure per manufacturer requirements.
- Use torque values recommended by manufacturer.
- Panels shall be installed without chips, cracks, or visible defects.
- Roof shall be installed watertight with proper overlap and fastening.

#### Anchoring

- Install anchor bolts per approved shop drawings.
- Use a rigid anchor bolt template during concrete placement to ensure alignment.
- All bolts must be properly embedded and aligned prior to shelter installation.
- Coordinate shelter column installation with the poured in place concrete column foundations.
- Concrete foundations shall achieve required strength prior to installation of shelter columns.
- Shelter columns shall be plumb and aligned with base plates as shown on the plans.

#### Special Inspection

- Special inspection shall be provided for bus shelter structural elements in accordance with the requirements shown on Sheet S-0.1 through S-2.0.
- Special inspector shall be qualified and approved by the City prior to start of work.
- Contractor shall coordinate special inspection activities with concrete placement and shelter installation.
- Work requiring Special Inspection shall not proceed without the required inspections being performed.

#### Protection and Cleanup

- Protect shelter components from scratching, dents, or damage during assembly.
- Clean all surfaces of fingerprints, installation residue, and adhesives.
- Replace any damaged components at no cost to the City.

### 912-5      SAFETY & ACCESSIBILITY REQUIREMENTS

- Maintain minimum ADA clearances including wheelchair landing and accessible route.
- Ensure no protrusions exceed ADA limits.
- Shelter placement must not obstruct sidewalk, curb ramps, or drainage.

### 912-6      MEASUREMENT AND PAYMENT

Measurement

Bus Shelter Structure will be measured on a Lump Sum (LS) basis.

Measurement includes complete furnishing and installation of:

- Shelter structure
- Panels and roof
- Concrete column foundations
- All hardware
- Anchoring and attachment
- Special Inspection as required by Sheet S-0.1
- Labor, equipment, and incidentals
- Submittals, freight, and installation
- Protection and cleanup

Payment

Payment for “Bus Shelter Structure (LS)” shall constitute full compensation for all work necessary to furnish, install, and complete the shelter in place. Refer to construction plans (Appendix G) for bus shelter improvements.

No additional payment will be made for:

- Anchor bolts, templates, or mounting hardware
- Concrete column foundations
- Excavation, formworks, reinforcing, or concrete
- Shop drawings or engineering
- Coordination or layout
- Protection or replacement of damaged components

All costs shall be included in the lump sum bid amount.

SECTION 913

**SITE AMENITIES**  
(Bid Item No. 13 thru 15)

913-1 **GENERAL**

This section includes furnishings, delivering, assembling, and installing all site amenities shown on the construction plans and specified for the High Street Bus Shelter and Concrete Bus Pad Project.

Site furnishing includes, but are not limited to:

- Bench
- Trash and recycling receptacles
- Any other site amenities shown on the plans or required for a complete installation
- Bus stop sign post
- Any other miscellaneous amenities required on the plans

All site amenities shall match materials, colors, finishes, and design style identified on the plans or City approved substitutions. Amenities shall be durable, vandal-resistant, and suitable for exterior public use.

913-2 **MEASUREMENT AND PAYMENT**

Furnishing and installing trash/recycling receptacles, bench, and bus stop sign post shall be measured and paid at the contract unit price and shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals and for doing all the work required to install the receptacles; as shown on the plans and specified in the specifications, complete and in place. Refer to the Construction Plans (Appendix G) for the required styles and models of site furnishings.

SECTION 914

**RELEASE ON CONTRACT**

(Bid Item No. 16)

914-1      GENERAL

Prior to receiving final payment, the Contractor shall execute a "Release on Contract" form (included in Appendix "A" of these Specifications) which shall operate as, and shall be a release to the City, the City Council, and each member of the City Council and their agents, from all claims and liability to the Contractor for anything done or furnished for, or relating to, the work or for any act of neglect of the City or of any person relating to or affecting the work, except the claim against the City for the remainder, if any there be, of the amounts kept or retained as provided in the SSPWC Subsection 7-3, "Payment," and except for any unsettled claims listed on said form which have been filed in compliance with the requirements for making claims.

914-2      PAYMENT

A payment of \$1.00 will be made to the Contractor for executing this document.

CITY OF MOORPARK  
DEPARTMENT OF PUBLIC WORKS  
ENGINEERING DIVISION

**APPENDICES**

FOR

**HIGH STREET BUS SHELTER IMPROVEMENT PROJECT  
CAPITAL IMPROVEMENT PROJECT NO. C0083  
SPECIFICATION NO. MPK 26-03**

**LIST OF APPENDICES**

APPENDIX A – Release on Contract

APPENDIX B – Notice to Property Owners and Residents

APPENDIX C – Traffic Advisory Sign Detail

APPENDIX D – Ventura County Air Pollution Control Board Rule 55 Fugitive Dust

APPENDIX E – Storm Water Pollution Control Plan (SWPCP)

APPENDIX F – Encroachment Permit

APPENDIX G – Construction Plan

# APPENDIX A

Release on Contract

RELEASE ON CONTRACT

CONTRACT NAME: BUS SHELTER IMPROVEMENT PROJECT

CIP NO.: C0083

SPECIFICATION NO.: MPK 26-03

WHEREAS, by the terms of the contract, dated \_\_\_\_\_, entered into by the City of Moorpark and the undersigned Contractor, agreed to perform certain work for the compensation specified in said contract; and

WHEREAS, the Contractor represents that said work is fully completed and that final payment is due to the Contractor under terms of said contact,

NOW, THEREFORE, in consideration of the promises and the payment by City of Moorpark to the Contractor of the amount due under the contract, to wit, the sum of \$\_\_\_\_\_ and the additional consideration of \$1.00, receipt of which is hereby acknowledged by the Contractor, the Contractor hereby releases and forever discharges City of Moorpark 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 \_\_\_\_\_ 2026.

THIS FORM MUST BE NOTARIZED using proper acknowledgment form (See Civil Code Section 1189, 1190, 1190a).

\_\_\_\_\_  
Contractor

By \_\_\_\_\_

Title \_\_\_\_\_

By \_\_\_\_\_

Title \_\_\_\_\_

# APPENDIX B

Notice to Property Owners and Residents

NOTICE TO PROPERTY OWNERS, BUSINESS OWNERS, RESIDENTS

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

Dear Property Owner/Business Owner/Resident,

In approximately four days, \_\_\_\_\_, a contractor for the City of Moorpark Public Works Department will be constructing the **Bus Shelter Improvement Project**. Your street is a part of this contract and will be affected.

To accomplish this construction, it will be necessary to partially close your street or temporarily limit street parking on the days the work is in progress. The Contractor will post temporary "No Parking" signs at least three working days in advance of starting this work. Unfortunately, it will be necessary to prohibit parking in certain areas between 7:00 a.m. and 4:00 p.m. In cases of inclement weather, it may be necessary to reschedule the Contractor's operation.

During this construction, we request your cooperation in parking your automobile(s) in a location(s) away from the actual construction zone or on 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:

Contractor: \_\_\_\_\_

Telephone: \_\_\_\_\_

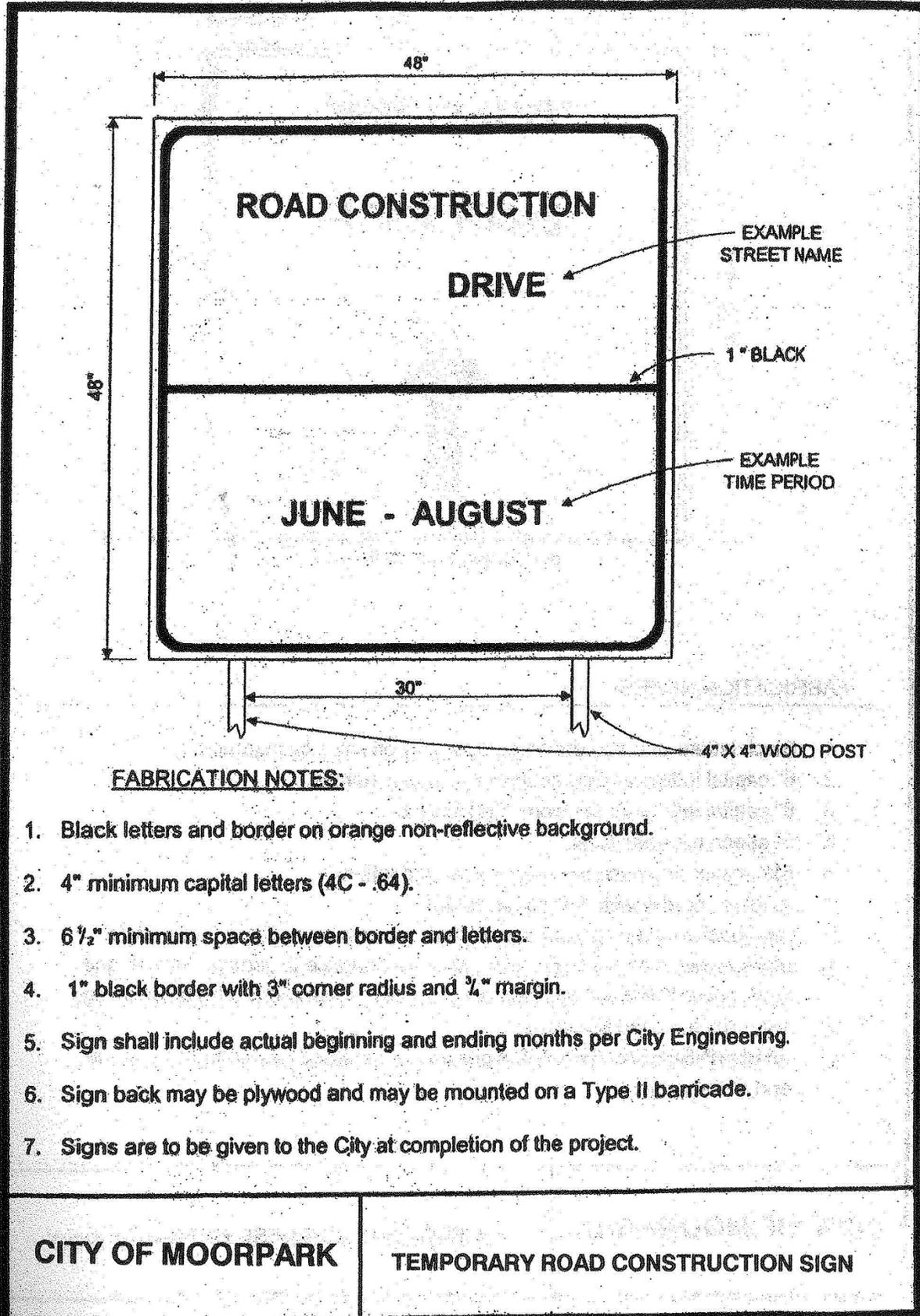
City Contact: Michelle Woomer, Senior Management Analyst  
(805) 517-6233  
[mwoomer@moorparkca.gov](mailto:mwoomer@moorparkca.gov)

CONTRACT NAME: Bus Shelter Improvement Project

SPECIFICATION NO.: MPK 26-03

# APPENDIX C

## Traffic Advisory Signs



**FABRICATION NOTES:**

1. Black letters and border on orange non-reflective background.
2. 4" minimum capital letters (4C - .64).
3. 6 1/2" minimum space between border and letters.
4. 1" black border with 3" corner radius and 1/4" margin.
5. Sign shall include actual beginning and ending months per City Engineering.
6. Sign back may be plywood and may be mounted on a Type II barricade.
7. Signs are to be given to the City at completion of the project.

**CITY OF MOORPARK**

**TEMPORARY ROAD CONSTRUCTION SIGN**

# APPENDIX D

Ventura County Air Pollution Control Board Rule 55  
Fugitive Dust



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**Ventura County APCD Rule 55,**  
**Fugitive Dust**

On June 8, 2008, the Ventura County Air Pollution Control Board adopted Rule 55, Fugitive Dust. Rule 55 was adopted to comply with a state law that requires local air districts with air quality levels exceeding the state's particulate matter (PM) standards to adopt control measures to reduce PM air pollution. Ventura County exceeds the state's air quality standards for PM. The adverse health impacts from PM air pollution include asthma and other lung diseases, heart disease, and premature death. Ventura County APCD staff estimates that Rule 55 will reduce PM air pollution by 6 tons per day. Rule 55 becomes effective on October 8, 2008.

Rule 55 applies to any disturbed surface area, or man-made condition capable of generating fugitive dust, including bulk material handling, earth-moving, construction, demolition, storage piles, unpaved roads, track-out, or off-field agricultural operations.

In summary, the key provisions of Rule 55 are as follows:

- 1) Visible dust from an applicable source is prohibited or limited;
- 2) Measures must be taken to reduce or prevent track-out onto paved public roadways from an applicable source;
- 3) Track-out must be removed from roadways;
- 4) Visible dust exceeding 100 feet in length from earth-moving activities is prohibited;
- 5) Bulk material handling facilities with a monthly import or export of 2,150 cubic yards or more of bulk material must take measures to reduce or prevent track-out onto a paved public road, and;
- 6) Outbound trucks with bulk materials or soil must either be tarped, have a 6 inch freeboard below the rim of the truck bed or be wetted or treated to minimize the loss of material to wind or spillage.

A more detailed summary of Rule 55 is attached. Copies of Rule 55 may be obtained at [www.vcapcd.org](http://www.vcapcd.org) under Rule Development (Current Rules and Regulations).

For additional information on Rule 55, contact air pollution engineer Stan Cowen at 805/645-1408.

**Ventura County APCD Rule 55, Fugitive Dust  
Summary of Rule Requirements<sup>1</sup>  
Effective October 8, 2008**

**General Requirements – All Fugitive Dust Sources**

**Visible Dust Beyond the Property Line:** No one shall cause or allow fugitive dust from any applicable source beyond the midpoint (width) of a public street or road adjacent to the property line of the emission source or beyond 50 feet from the property line if there is not an adjacent public street or road.

**Opacity:** No one shall cause or allow fugitive dust from any applicable source that equals or exceeds 20 percent opacity for 3 minutes or more in any one hour.

**Track-Out:**

No person shall allow track-out to extend 25 feet or more in length unless one of the following control measures is used:

- ✓ **Track-Out Area Improvement:** Pave or apply chemical stabilization to maintain a stabilized surface starting from the point of intersection with the public paved surface, and extend for a distance of at least 100 feet with a width to accommodate traffic ingress and egress from the site.
- ✓ **Track-Out Prevention:** Check and clean the undercarriage and wheels on all vehicles before leaving unpaved surface or install a track-out control device(s) that prevents track-out of soil onto paved public roads.
- ✓ **Track-Out Removal:** Remove track-out from pavement as soon as possible but no later than one hour after it has been deposited on the road. If a street sweeper is used to remove any track-out, only “PM10-efficient” street sweepers certified to meet South Coast AQMD Rule 1186 requirements shall be used. The make, model information and certification documentation of any sweeper used shall be made available to APCD personnel upon request.

All track-out shall be removed at the conclusion of each workday or evening shift. The use of blowers for removal of track-out is prohibited.

**Specific Activity Requirements**

**Earth-Moving:** No person shall engage in earth-moving activities in a manner that creates visible dust emissions over 100 feet in length.

**Bulk Material Handling Facilities Track-Out Prevention:** No person shall conduct an operation with a monthly import or export of 2,150 cubic yards or more of bulk material without

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<sup>1</sup> This is a summary of the Rule requirements. Refer to Rule 55, Fugitive Dust, for specific requirements.

utilizing at least one of the following measures at each vehicle egress from the site to a public paved road:

- ✓ Install a pad consisting of washed gravel (one inch minimum size) maintained in a clean condition to a depth of at least six inches and extending at least 30 feet wide and at least 50 feet long.
- ✓ Pave the surface at least 100 feet long and at least 20 feet wide.
- ✓ Utilize a wheel shaker/wheel spreading device, also known as a rumble grate, consisting of raised dividers (rails, pipe, or grates) at least 24 feet long and sufficient width to allow all wheels of vehicle traffic to travel over grate to remove bulk material from tires and vehicle undercarriages before vehicles exit the site.
- ✓ Install and utilize a wheel washing system to remove bulk material from tires and vehicle undercarriages before vehicles exit the site.
- ✓ Any other control measure or device that prevents track-out onto public paved roads.

**Truck Hauling:** No person, including the facility or site operator, shall load or allow the loading of bulk materials or soil onto outbound trucks unless at least one of the following dust prevention measures is used:

- ✓ Use properly secured tarps or covering that covers the entire surface area of the load or use a container-type enclosure.
- ✓ Maintain a minimum of 6 inches of freeboard below the rim of the truck bed where the load touches the sides of the cargo area and insure that the peak of the load does not extend above any part of the upper edge of the cargo area.
- ✓ Water or treat the bulk material to minimize the loss of material to wind or spillage.
- ✓ Any other effective dust prevention control measures.

### **Exemptions**

Rule 55 does not apply to the following (this is a partial list - refer to Rule 55, Section D):

- ✓ On-field agricultural operations.
- ✓ Weed abatement operations provided that: (1) Mowing, cutting or other process is used which maintains weed stubble at least three inches above the soil, or (2) Any disking or similar operation where effective dust control measures are used.
- ✓ Unpaved service roads, with a daily traffic volume of 20 vehicle trips or fewer, used by public agencies for inspection of infrastructure.

- ✓ Motion picture, television, or video production activities when dust emissions are required for visual effects. The APCD must receive notification in writing at least 72 hours in advance of any such activity and no nuisance results from such activity.
- ✓ Any paved road unless it has track-out or any publicly-owned unpaved road.
- ✓ The disturbance (i.e., disking, ripping, or scraping) of spreading ground lands in preparation for percolative groundwater recharge.

**Frequently Traveled Private Unpaved Roads:** The Visible Dust and Opacity requirements do not apply to dust from frequently traveled (more than 20 vehicles per day passing in either direction) unpaved roads if the road is covered with a low silt content material such as recycled road base or gravel to a minimum of four inches or implements all of the following control measures:

- ✓ Control Speed: Control speed to 15 miles per hour (mph) or less on unpaved roads through worker notification, signage, and any other necessary means.
- ✓ Restrict Access: Restrict access to private unpaved roads used by the public either through signage or physical access restrictions.
- ✓ Road Treatments: Treat unpaved and uncovered frequently traveled roads with water, mulch, or a non-toxic chemical dust suppressant that complies with all applicable air and water quality government standards. If treated, roads shall be treated in a manner that will avoid the sticking of mud to tires that will be carried onto paved public roads.

**Lightly Traveled Unpaved Private Road Conditional Exemption:** The Visible Dust and Opacity requirements do not apply to dust from lightly traveled unpaved roads if the operator implements both of the following control measures:

- ✓ Control Speed: Control speed to 15 mph or less on unpaved roads through worker notification, signage, and any other necessary means.
- ✓ Restrict Access: Restrict access to private unpaved roads currently used by the public either through signage or physical access restrictions.

**Storage Pile Conditional Exemption:** The Visible Dust and Opacity requirements do not apply to dust from storage piles if the operator has implemented at least one of the following control measures:

- ✓ Wind Sheltering: Enclose material in a three or four sided barrier equal to the height of the material.
- ✓ Watering: Apply water at a sufficient quantity and frequency to prevent dust.
- ✓ Chemical Stabilization: Apply a non-toxic dust suppressant at a sufficiently to prevent wind driven dust.

- ✓ Covering: Install and anchor tarps, plastic, or other material to prevent wind driven dust.

**High Wind Exemption:** The Visible Dust, Opacity and Earth-Moving requirements do not apply to dust when on-site wind speed exceeds 25 mph for at least 5 minutes in any one hour provided:

- ✓ Applicable control measures outlined in Table 1 (of the Rule) have been implemented, and
- ✓ Daily records of specific dust control measures have been maintained.

**Track-out Exemption:** The Track-Out requirements do not apply to on-road vehicles (trucks and passenger vehicles) associated with agricultural operations that have caused track-out due to excessively muddy conditions resulting from rainfall.

### **Recordkeeping Requirements**

Consult Rule 55 for specific recordkeeping requirements

# APPENDIX E

Stormwater Pollution Control Plan (SWPCP)



# City of Moorpark

## Stormwater Pollution Control Plan

For Construction Projects Less Than One Acre

Project is (circle one):                      Public<sup>1</sup>                      Private

Project Name:	
Project Number:	
Project Location:	
Disturbed area (SF):	
Impervious Surface Area created, added or replaced (SF):	
Does project discharge directly to or is it within 200 ft. of the Arroyo Simi?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Does project disturb any slopes of 25% or greater?	<input type="checkbox"/> Yes <input type="checkbox"/> No
Is State Water Board 401 Certification Required?	<input type="checkbox"/> Yes <input type="checkbox"/> No <small>(If yes, attach proof of certification)</small>
Capital Improvement Project No.: <sup>2</sup>	

Project Contractor Responsible for SWPCP Implementation:	<div style="border-bottom: 1px solid black; display: flex; justify-content: space-between; width: 100%;"> <span style="flex: 1;">Name</span> <span style="flex: 1;">Phone Number</span> </div>
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Construction Start Date:	
Construction Completion Date:	

SWPCP Prepared by:

Name and Title:	
Company Name:	
Phone Number	
Date:	

<sup>1</sup> Public refers to the City of Moorpark, not other public agencies.

<sup>2</sup> A CIP number is assigned to Public projects administered by the City of Moorpark.

## **REQUIREMENTS FOR A STORMWATER POLLUTION CONTROL PLAN**

Prior to the issuance of any construction/grading permit and/or the commencement of any clearing, grading or excavation, contractors of projects with construction activities that receive a grading permit and that disturb less than one acre shall prepare and submit a Stormwater Pollution Control Plan (SWPCP), on the form provided herein, for the review and approval of the City Engineer/Public Works Director or his designee.

The purpose of the SWPCP is to effectively prohibit the entry of pollutants from the construction site into the storm drain system during construction. Erosion and sediment source control BMPs should be considered for both active and inactive construction areas. BMPs for wind erosion and dust control are also included. The BMPs may require modification as the project progresses and conditions warrant.

This SWPCP is required for all projects that **disturb less than one acre of soil**. If the project **disturbs one or more acres of soil**, it is subject to the State Construction General NPDES Permit and related SWPPP (Refer to State Construction General Permit at: [https://www.waterboards.ca.gov/water\\_issues/programs/stormwater/construction.html](https://www.waterboards.ca.gov/water_issues/programs/stormwater/construction.html)).

The SWPCP shall be developed and implemented in accordance with the Los Angeles and Ventura Counties Regional Municipal Stormwater National Pollutant Discharge Elimination System (NPDES) Permit No. CAS004004 (Order R4-2021-0105), and any other requirements established by the City of Moorpark.

The applicant/owner is responsible for ensuring that all project contractors and subcontractors implement all applicable BMPs.

This approved SWPCP must remain onsite and accessible during normal construction hours.

*Note: This project may be subject to post-construction stormwater quality mitigation requirements under the City's Municipal Stormwater Permit (i.e., retention, infiltration, bioretention BMPs). Contact the City's stormwater program manager at 805-517-6257 to determine if the project is subject to the post-construction stormwater quality requirements.*

### Best Management Practices - BMPs

Complete the following charts. The BMPs listed may be used if applicable or adequate. Additional BMPs may apply. Please do not attach the BMP Fact Sheets referenced from the CASQA or Caltrans BMP Handbooks to the City's copy of the SWPCP; however, the BMP Fact Sheets must be attached to the SWPCP that is kept at the construction site. BMPs can be downloaded from the CASQA website [www.casqa.org](http://www.casqa.org) or Caltrans website <http://www.caltrans.ca.gov>.

CASQA or Caltrans BMPs Selected – Noted by Ref. ID from the BMP Handbooks		Use BMP		(If no, state reason)
		Yes	No	
<b>Erosion Control BMPs</b>				
EC-1	Scheduling			
EC-2	Preservation of Existing Vegetation			
EC-3 – EC-16	Erosion Controls (list BMP(s) to be implemented)			List BMP:
WE-1	Wind Erosion Control			
<b>Sediment Control BMPs</b>				
SE-1	Silt Fence			
SE-6	Sandbag Barrier			
SE-8	Gravel Bag Barrier			
SE-7	Street Sweeping			
TC-1	Stabilized Construction Entrance/Exit			
<b>Non-Stormwater Management</b>				
NS-1	Water Conservation Practices			
NS-2	Dewatering Operations			
NS-3	Paving & Grinding Operations			
<b>Waste Management</b>				
WM-1	Material Delivery & Storage			
WM-3	Stockpile Management			
WM-4	Spill Prevention & Control			
WM-5	Solid Waste Management			
WM-8	Concrete Waste Management			
WM-9	Sanitary/Septic Waste Mgmt.			

CASQA or Caltrans BMPs Selected – Noted by Ref. ID from the BMP Handbooks		Use BMP		(If no, state reason)
		Yes	No	
<b>Storm Drain Inlet Protection &amp; Other BMPs</b>				
SE-10	Storm Drain Inlet Protection			Must inspect inlet protection before, during, and after rain events and modify as necessary to prevent flooding of adjacent properties.
<b>Site Management</b>				
Housekeeping				

See Attachment 3 for BMPs required for roadbed or street paving, repaving, patching, digouts, or resurfacing roadbed surfaces.

**Certification**

**Project Contractor/Architect/ Engineer of Record, or Authorized Qualified Designee:**

As the contractor, architect, or engineer of record, or authorized qualified designee, I have selected appropriate BMPs to effectively minimize the negative impacts of this project's construction activities on storm water quality. The project owner and contractor are aware that the selected BMPs must be installed, monitored, and maintained to ensure their effectiveness. The BMPs not selected for implementation are redundant or deemed not applicable to the proposed construction activity.

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

Phone: \_\_\_\_\_

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

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

**Property Owner/ Owner's Representative or Designee:**

I certify that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to ensure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, to the best of my knowledge and belief, the information submitted is true, accurate, and complete. I am aware that submitting false and/ or inaccurate information, failing to update the Local SWPCP/SWPPP to reflect current conditions, or failing to properly and/ or adequately implement the Local SWPCP/SWPPP may result in revocation of grading and/ or other permits or other sanctions provided by law.

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

Phone: \_\_\_\_\_

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

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

**REVIEWED BY CITY:**

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

Title: \_\_\_\_\_

Signature: \_\_\_\_\_

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

Acceptance or approval of this Stormwater Pollution Control Plan in no way precludes the authority of the agency to require modification to the plan as conditions warrant nor does the agency take responsibility for performance of BMPs provided for in the plan.

## ATTACHMENT 1 TO SWPCP CONSTRUCTION SITE INSPECTION CHECKLIST

Contractor shall complete this checklist and keep a copy with the SWPCP a minimum of:

- Monthly during non-rainy season (April 16 through September 30)
- Weekly during rainy season (Oct. 1 through April 15)
- Before, during and after a significant rain event (.25" or greater)
- City may revise inspection frequency based on evaluation of the factors that are a threat to water quality (see 2021 MS4 Permit section VIII.G.4.b for more info.). Note any changes in inspection frequency below

**DATE OF INSPECTION:** \_\_\_\_\_

**Project Name:** \_\_\_\_\_ **Contractor:** \_\_\_\_\_

**Weather Conditions during inspection:** \_\_\_\_\_

	Item	Compliance Accomplished			Date Completed
		YES	NO	N/A	
1	Is the site entrance stabilization adequate?				
2	Are equipment/vehicles parked in designated areas and free from significant leaks? Are drip pans present as needed?				
3	Are maintenance areas free from stains on the soil?				
4	Are all materials stored in bins or covered in plastic and protected from stormwater?				
5	Is construction waste being disposed of in proper covered trash containers?				
6	Are leak-proof concrete washout stations present and being utilized and maintained?				
7	Is fugitive dust being controlled and water being used as needed?				
8	Are catch basins, drainage channels, drain inlets/outlets being protected?				
9	Are erosion control measures (BMPs) identified in SWPCP in place and effective?				
10	Are sediment control measures (BMPs) identified in SWPCP in place and effective?				

Comments: \_\_\_\_\_

I certify under penalty of law that this inspection is true, and I or a qualified assigned person has performed the required inspection as stated in the SWPCP.

\_\_\_\_\_  
Inspector Signature

\_\_\_\_\_  
Contractor Signature

**ATTACHMENT 2 TO SWPCP  
TRAINED CONTRACTOR PERSONNEL LOG**

All City employees and contractors (whose interactions, jobs and activities affect stormwater quality) must be trained before start of project construction and annually on Storm Water Pollution Prevention Controls and illicit discharge prevention and reporting. A copy of the training log shall be forwarded to the City of Moorpark City Engineer/Public Works Director.

**Storm Water Management Training Log for Contractors**

**Contractor Name:** \_\_\_\_\_

**Type of Contract or Service Provided:** \_\_\_\_\_

**City Dept. Rep. Contractor Reports to:** \_\_\_\_\_

**Date of Training:** \_\_\_\_\_

**Instructor:** \_\_\_\_\_ **Telephone:** \_\_\_\_\_

Stormwater quality training was provided on illicit discharge prevention & reporting as well as non-storm water management, erosion controls, waste management and materials pollution control, and spill prevention related to the following categories: (check as appropriate)

- |   |  |
|---|--|
| <input type="checkbox"/> Vehicle & Equipment Maintenance  | <input type="checkbox"/> Illicit Discharge Prevention & Reporting                      |
| <input type="checkbox"/> Graffiti Abatement   | <input type="checkbox"/> Good Housekeeping & Building Maintenance                      |
| <input type="checkbox"/> Pavement Marking and Painting  | <input type="checkbox"/> Storm Drain and Ditch Cleaning & Maintenance                  |
| <input type="checkbox"/> Asphalt Use  | <input type="checkbox"/> Safety Concerns when maintaining stormwater treatment devices |
| <input type="checkbox"/> Concrete Use   | <input type="checkbox"/> Spill Prevention and Proper Cleanup Procedures                |
| <input type="checkbox"/> Landscape Maintenance  | <input type="checkbox"/> Other _____   |
| <input type="checkbox"/> Pest and Fertilizer Management, including Integrated Pest Management (IPM) |  |

**Attendee Roster**

Name	Company	Phone Number

**Comments:** \_\_\_\_\_

\_\_\_\_\_

**ATTACHMENT 3 TO SWPCP****ROADWAY PAVING OR REPAIR OPERATIONS**

A project that includes roadbed or street paving, repaving, or repair shall include the following controls:

1	Restrict paving and repaving activity to exclude periods of rainfall or predicted rainfall unless required by emergency conditions.
2	Install gravel bags and filter fabric or other equivalent inlet protection 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 stormwater drainage system or receiving waters.
4	Minimize non-stormwater 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 or other approved dust suppressant during grinding.
11	Avoid stockpiling soil, sand, sediment, asphalt material and asphalt grindings, materials or rubble in or near stormwater drainage system or receiving waters.
12	Protect stockpiles with cover or sediment barriers during a rain.

# APPENDIX F

Encroachment Permit



# CITY OF MOORPARK

PUBLIC WORKS DEPARTMENT | 323 Science Drive Moorpark, California 93021  
Phone Number (805) 517-6240 | Fax (805) 532-2555 | pwpermits@moorparkca.gov

## ENCROACHMENT PERMIT APPLICATION

No: \_\_\_\_\_

### Encroachment Application:

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

The undersigned hereby applies for permission to encroach on the following described City Right of Way or other property:

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

### Purpose and Project Description:

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

Start Date: \_\_\_\_\_ Duration: \_\_\_\_\_

Work to be Completed By: \_\_\_\_\_

The permit may be revoked by City at any time. In consideration for issuance of the permit based on this application, I agree, and by use hereof, my agents, employees, contractors and invitees agree to be bound by all of the provisions of California Vehicle Code Sections 35780, 35782; Chapter 12.04 of the City of Moorpark Municipal Code; and the Standard Conditions and any special conditions attached to the permit upon issuance, including the indemnity, insurance and duty to defend conditions attached hereto.

Applicant: \_\_\_\_\_ Address: \_\_\_\_\_

City: \_\_\_\_\_ Zip: \_\_\_\_\_ Phone: \_\_\_\_\_

Email Address: \_\_\_\_\_ Business Registration #: \_\_\_\_\_

State License #: \_\_\_\_\_ State License Expiration Date: \_\_\_\_\_

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

### Encroachment Approval:

Permission is hereby granted to perform the activities described above and as may be attached hereto, subject to the Standard and Special Conditions attached to this Encroachment Permit and all City Ordinances, Resolutions, Standards and Specifications currently in force. Execution below shall confirm that Applicant/Permittee has received and reviewed the Standard and Special Conditions, understands the same and agrees to comply with and be bound thereby.

Approved by: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Traffic Control/Lane Drop is  is not  required. Sidewalk Closure is  is not  required.

Issuance Fee: _____	Trust Fund Deposit: _____	Permit Final: _____
Permit/Inspection Fee: _____	Bond: _____	
Total: _____	Certificate of Insurance: _____	
	Franchise: _____	

**CITY OF MOORPARK**  
**STANDARD ENCROACHMENT PERMIT CONDITIONS**  
*Pursuant to Moorpark Municipal Code (Code) Section 1.04.150, Excerpts from Chapter 12.04 of the Code,  
and City Engineer / Public Works Director Requirements.*

**PUBLIC SAFETY MEASURES:**

1. In the conduct of the encroachment work, supplies and excavated materials shall be properly placed and the Permittee shall provide and maintain such safety devices including but not limited to lights, barricades, signs, and guards as are necessary to protect the public. Any omission on the part of the City Engineer to specify in the permit what safety devices shall be provided by or preventive action required of the Permittee shall not excuse the Permittee from complying with all laws, regulations and ordinances relating to the protection of persons or property under the circumstances. If the City Engineer finds that suitable safeguards are not being provided, he may provide, maintain, and relocate such safety devices or take such action as is deemed necessary, charging the Permittee in accordance with the schedule of charges as adopted by the City Council.
2. A Permittee making any excavation or leaving any obstruction which could be a hazard to persons using the right of way shall provide and maintain warning lights far enough away from the excavation or obstruction to give adequate warning to such persons, and at not more than fifty (50) foot intervals along the excavation or obstruction, from one-half (1/2) hour before sunset of each day to one-half (1/2) hour after sunrise the next day, until the work is completed and the right of way made safe for use.
3. All safety devices shall conform to the requirements of the Manual of Traffic Control Devices, and the California Vehicle Code, so far as such laws, regulations and manuals are applicable.

**CLEANUP, BACKFILLING AND COMPACTION CODE CONDITIONS:**

4. **Restoration of Right-Of-Way** - Upon completion of the encroachment work authorized by a permit, the Permittee shall restore the right of way, including bridges and any other structure thereon, by replacing, repairing, or rebuilding it in accordance with the specifications or any special requirement but not less than to its original condition before the encroachment work was commenced. The Permittee shall remove all obstructions, materials, and debris upon the right of way and shall do any other work necessary to restore the right of way to a safe and usable condition, as directed by the City Engineer. Where excavation occurs within areas already paved, the City Engineer may require temporary paving to be installed within twenty-four (24) hours after the excavated area is backfilled. In the event that the Permittee fails to act promptly to restore the right of way as provided herein, or should the nature of any damage to the right of way require restoration before the Permittee can be notified or can respond to notification, the City Engineer may, at his option, make the necessary restoration. The Permittee shall reimburse the City in accordance with the schedule of charges as adopted by the City Council.
5. **Cleanup After Completion** - Immediately after completion of the work, the Permittee shall cleanup and remove all digalart marks, materials, earth and debris of any kind. If the Permittee fails within 24 hours after having been notified to do so by the City Engineer, the work may be done by the City Engineer and the Permittee charged in accordance with the schedule of charges adopted by the City Council. When a pole, guy-stub or similar timber is removed and not replaced, the entire length thereof shall be removed from the ground and the hole backfilled and compacted.
6. **Backfilling and Compaction** - Backfilling and compaction of an excavation shall be in accordance with standards established by the City Engineer and adopted by resolution of the City Council, both as to material and method. Backfilling shall commence with forty-eight (48) hours after work in a trench is completed.

**PROTECTION AND REPAIR OF EXISTING FACILITIES CODE CONDITION:**

7. The Permittee shall support and protect all wires, cables, pipes, conduits, poles, and other apparatus, both aerial and underground, by a method satisfactory to the owner. The owner has the right to support or protect any of its facilities at the sole expense of the Permittee. In case of any said wires, cables, pipes, conduits, poles or apparatus should be damaged (and for this purpose, pipe coating or other encasement of devices are considered as part of the structure), they may be repaired by the owner at the expense of the Permittee, or, if authorized by the owner, may be repaired by the Permittee under the supervision of the owner. The expense of repairs to any damaged facilities shall be borne by the Permittee.

**TRAFFIC CONDITIONS:**

8. Vehicular and pedestrian traffic on all streets shall be permitted to pass through the work area with as little inconvenience as possible, but at no time shall the roads be closed.
9. Flaggers shall be used on all streets where the traffic is restricted to less than two traffic lanes.
10. Maintaining of vehicular traffic through the work area shall conform to Standard Land Development Specifications Section 7-10 "Public Convenience and Safety". (Green Book Section 7-10)
11. All improvements within the road right of way which include road signs, road striping, road symbols, etc., which were damaged removed, or obliterated as a result of the Permittees work shall be repaired and/or replaced. Repairs and replacements shall be equal to or better than the existing improvements and shall match them in finish and dimensions.
12. At the end of each work day, all roads shall be restored to two-way traffic. The road surface shall be brought to a smooth, even condition free of humps and depressions, satisfactory for use by the monitoring public.
13. Detours shall be in accordance with Caltrans Traffic Manual, Chapter 5, and shall be approved by the City Engineer. Applications, including plans, shall be submitted to the City Engineer three weeks before the anticipated date of the detour. *Permittee shall continually maintain the permitted work, trenches, backfill, paving and all other road facilities affected by this permit.*

**ADDITIONAL REQUIREMENTS:**

14. All work authorized by this permit shall be performed in accordance with the conditions and requirements of the Municipal Code, Ventura County Code, Ventura Countywide Stormwater Quality Management Program (VSQMP), National Pollutant Discharge Elimination System (NPDES) permit CAS004002, and all State and Federal requirements, including those pertaining to the Clean Water Act.

15. CALL FOR INSPECTION PRIOR TO PLACING CONCRETE.
16. All Contractors and Subcontractors shall obtain City Business Registration Permit.
17. Protect in place all survey monuments. If any survey monuments will be affected by the work, a California licensed land surveyor or licensed civil engineer legally authorized to practice land surveying is required to re-establish the affected monuments, at the Permittee's expense, prior to work, and a corner record or record of survey shall be filed with County Surveyor (California Business & Professions Code Section 8771.
18. Dig Alert (Underground Service Alert, Dial 811) is to be called for proposed excavation, following the procedures in California Government Code beginning at §4216. A USA number must be obtained before the issuance of the City Permit. The work is not to be called in until the Permit is ready for issuance. All layout and utility markings are to be removed from concrete and decorative surfaces in order to finalize/close the permit.
19. Work hours are 9:00 AM to 3:00 PM, Monday through Friday unless shown otherwise on the approved permit. No work on City Holidays. **Contact the City at (805) 517-6240 for a pre-construction meeting at least three days in advance of the start of work and every day an inspection will be required.** A copy of the complete permit and attachments must be on site at all times. Solid waste must be handled by either Waste Management (805) 522-9400, or Moorpark Rubbish Disposal (805) 526-1919, the City's exclusive franchised haulers. No storage or stockpiling of material is to occur in the right of way.

**INDEMNIFICATION AND HOLD HARMLESS:**

20. Permittee shall indemnify, defend, and hold harmless City, its officers, employees, and agents (Indemnitees) from any and all losses, costs, expenses, claims, liabilities, actions, or damages; including liability for injuries to any person or persons or damage to property arising at any time during and/or arising out of or in any way connected with Permittee's authorized activities under the terms of this permit unless solely caused by the gross negligence or willful misconduct of City, its officers, employees, or agents.
21. It is expressly understood and agreed between the parties to this Permit that this is an agreement and permit for access to and for certain events to occur or work to take place on City property. This Agreement and permit is not a construction contract or an agreement for design professional services, as those terms are defined or used under Title 12 of the California Civil Code (§§ 2772 et. seq.).
22. City does not and shall not waive any rights that it may have against Permittee by reason of this Section, because of the acceptance by City, or the deposit with City, of any insurance policy or certificate required pursuant to this Permit. The hold harmless and indemnification provisions shall apply regardless of whether or not said insurance policies are determined to be applicable to any losses, liabilities, damages, costs, and expenses described in this Section.

**INSURANCE:**

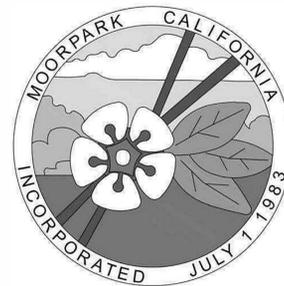
23. Permittee shall maintain and provide commercial general liability insurance, with coverage at least as broad as Insurance Services Office for CG 00 01, in an amount not less than \$1,000,000 per occurrence, \$2,000,000 general aggregate, for bodily injury, personal injury, and property damage. The policy must include coverage for contractual liability that has not been amended. Any endorsement restricting standard ISO "insured contract" language, will not be accepted. Any insurance proceeds available to Permittee in excess of the minimum limits and coverage set forth in this Permit, and which is applicable to a given loss or claim, shall be deemed by this Permit to be applicable to the City. A certificate of insurance evidencing this coverage shall be provided to the City prior to the start of any work under this Encroachment Permit.
24. The City is to be named as an additional insured with an endorsement in favor of the City.
25. Coverage provided by Permittee shall be primary and any insurance or self-insurance procured or maintained by City shall not be required to contribute with it. The limits of insurance required herein may be satisfied by a combination of primary and umbrella or excess insurance. Any umbrella or excess insurance shall contain, or be endorsed to contain a provision that such coverage shall also apply on a primary and non-contributory basis for the benefit of City before the City's own insurance, or self-insurance shall be called upon to protect it as a named insured.
26. A severability of interests provision must apply for all additional insureds, ensuring that Permittee's insurance shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the insurer's limits of liability. The policy(ies) shall not contain any cross-liability exclusions.
27. None of the coverages required herein will be in compliance with these requirements if they include any limiting endorsement of any kind that has not been first submitted to City and approved in writing.
28. If Permittee maintains higher limits than the minimums shown above, City requires and shall be entitled to coverage for the higher limits maintained by Permittee. Any available insurance proceeds in excess of the specified minimum limits of insurance and coverage shall be available to City.
29. Permittee must also maintain worker's compensation insurance as required by applicable laws.

**DUTY TO DEFEND:**

30. As an express and material term of City's issuance of this Permit, Permittee agrees to defend, at its sole expense, the indemnitees from and against any and all claims arising out of or related to the permitted encroachment. Permittee's duty to defend shall apply immediately upon demand from the indemnitees for any injury or death to persons or damage to property occasioned by reason of or arising out of the acts or omissions of the City, its officers, employees and/or agents and the acts or omissions of Permittee, his/her/its agents, employees, contractors and subcontractors an/or any other person or entity performing work authorized by this permit.
31. In the event of any controversy, claim or dispute arising out of or relating to this Permit or the violation of any covenant contained herein, the prevailing party shall be entitled to receive from the losing party reasonable expenses, including attorney's fees and costs.

# APPENDIX G

Construction Plans



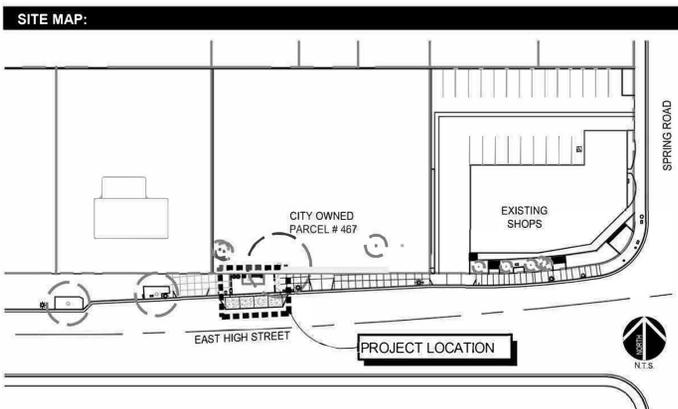
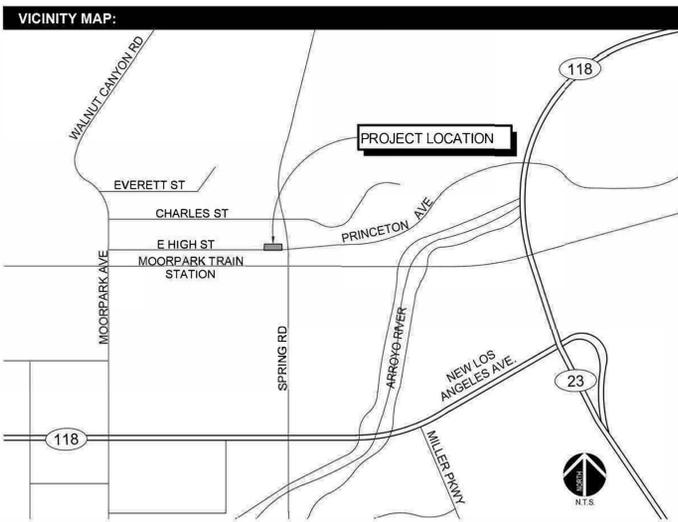
LANDSCAPE ARCHITECTURAL CONSTRUCTION DOCUMENTS  
FOR

**HIGH STREET BUS SHELTER IMPROVEMENT PROJECT**  
**467 E. HIGH STREET**  
**LANDSCAPE IMPROVEMENT PLANS**  
**CITY OF MOORPARK, CALIFORNIA**

**CITY:**  
CITY OF MOORPARK  
323 SCIENCE DRIVE  
MOORPARK, CA 93021  
TEL: (805) 517-6233  
CONTACT: MICHELLE WOOMER

**STRUCTURAL ENGINEER:**  
RGSE INC. STRUCTURAL ENGINEERS  
2720 COCHRAN STREET, SUITE 8B  
SIMI VALLEY, CA 93065  
TEL: (805) 522-3379 EXT. 106  
CONTACT: ALANN LY

**GEOLOGIST:**  
GEOTEK  
1548 N. MAPLE STREET  
CORONA, CA 92878  
TEL: (951) 710-1160  
CONTACT: ANNA SCOTT



ABBREVIATIONS:	
A.B.	ANCHOR BOLT
A.C.	ASPHALTIC CONCRETE
ADJ.	ADJACENT
ALT.	ALTERNATE
ARCH.	ARCHITECT
AUTO.	AUTOMATIC
BLDG.	BUILDING
BLK.	BLACK
B.M.	BENCH MARK
B.S.	BOTTOM OF STEPS
C.B.	CATCH BASIN
C.F.	CUBIC FOOT
C.I.	CAST IRON
C.I.P.	CAST IN PLACE
C.J.	COLD JOINT
C.L.	CENTER LINE
CLR.	CLEARANCE
C.O.	CLEAN OUT
C.M.U.	CONCRETE MASONRY UNIT
COMP.	COMPACTED
CONC.	CONCRETE
COND.	CONDITION
CONT.	CONTINUOUS
CT.	CENTER
CTR. SINK	COUNTER SINK
D.D.	DECK DRAIN
D.F.	DOUGLAS FIR
D.G.	DECOMPOSED GRANITE
DIA.	DIAMETER
DIM.	DIMENSION
DTL.	DETAIL
EA.	EACH
E.J.	EXPANSION JOINT
ELEC.	ELECTRIC
ENG.	ENGINEER
ESP.	ESPALIER
EQ.	EQUAL
E.W.	EACH WAY
E.W.W.M.	ELECTRIC WELDED WIRE MESH
EX.	EXISTING
EXP.	EXPOSED
F.O.C.	FACE OF CURB
F.O.B.	FACE OF BUILDING
F.F.E.	FINISHED FLOOR ELEVATION
F.G.	FINISH GRADE
F.H.	FIRE HYDRANT
FIN.	FINISH
FL.	FLOW LINE
FLT.	FLAT
F.S.	FINISH SURFACE
FTG.	FOOTING
FTN.	FOUNTAIN
GA.	GAUGE
GALV.	GALVANIZED
G.C.	GROUND COVER
G.I.	GALVANIZED IRON
G.P.H.	GALLONS PER HOUR
G.P.M.	GALLONS PER MINUTE
H.B.	HOSE BIB
HDR. BRD.	HEADER BOARD
H.H.	HANDHOLE
HORIZ.	HORIZONTAL
H.P.	HIGH POINT
HGT.	HEIGHT
I.D.	INSIDE DIAMETER
I.C.B.	IRRIGATION CONTROL BOX
INV.	INVERT
INT.	INTEGRAL
J. BOX	JUNCTION BOX
JTS.	JOINTS
L.A.	LANDSCAPE ARCHITECT
LIC.	LICENSED
L.P.	LOW POINT
MAX.	MAXIMUM
M.B.	MACHINE BOLT
MECH.	MECHANICAL
MED.	MEDIUM
MIN.	MINIMUM
M.H.	MANHOLE
M.P.R.	MATCH PRECIPITATION RATE
MULTI.	MULTIPLE
NAT.	NATURAL
N.G.	NATURAL GROUND
N.T.A.	NOT TO SCALE
O.C.	ON CENTER
O.D.	OUTSIDE DIAMETER
O.P.T.	OPTIONAL
P.A.	PLANTER AREA
P.C.	POINT OF CURVATURE
P.C.C.	POINT OF COMPOUND CURVATURE
P.R.C.	POINT OF REVERSE CURVATURE
PERF.	PERFORATED
P.O.C.	POINT OF CONNECTION
P.L.	PROPERTY LINE
P.S.I.	POUNDS PER SQUARE INCH
P.T.	PRESSURE TREATED
P.V.C.	POLY VINYL CHLORIDE
R.	RADIUS
R.C.P.	REINFORCED CONCRETE PIPE
REBAR.	REINFORCING BAR
REF.	REFERENCE
REQD.	REQUIRED
RET.	RETARDANT
ROUGH.	ROUGH
R.S.	ROUGH SAWN
R.S.R.	ROUGH SAWN REDWOOD
RWD.	REDWOOD
R.W.	RECYCLED WATER
SCH.	SCHEDULE
S.D.	STORM DRAIN
S.F.	SQUARE FOOT
SHT.	SHEET
SHT. MTL.	SHEET METAL
SIM.	SIMILAR
S.L.	SCORE LINE
SMTH.	SMOOTH
SPECS.	SPECIFICATIONS
SPP.	SPECIES
SQ.	SQUARE
S.S.	SANITARY SEWER
STA.	STATION
STL.	STEEL
STD.	STANDARD
T.A.D.	TOP AREA OF DRAIN
T. & B.	TOP AND BOTTOM
T.B.	TOP OF BERM
T.C.	TOP OF CURB
TEX.	TEXTURE(D)
T.G.	TOP OF GRATE
T.G.D.	TOP OF GRATE DRAIN
THK.	THICK
T.P.	TOP OF PAVING
T.P.C.	TOP OF POOL COPING
T.S.	TOP OF STEPS
T.W.	TOP OF WALL
TWL.	TROWEL
TYP.	TYPICAL
UV.R.	ULTRAVIOLET RADIATION
VERT.	VERTICAL
W/	WITH
W/O	WITHOUT
W.P.C.	WATER PRESSURE COMPENSATING
W.Q.	WATER SURFACE
(#)	NUMBER / QUANTITY

SHEET INDEX:		
NO.	SHEET	TITLE
1	L-0.0	TITLE SHEET
2	L-1.1	DEMOLITION PLAN & TREE PROTECTION SPECS
3	L-2.1	CONSTRUCTION PLAN
4	L-2.2	CONSTRUCTION DETAILS 1
5	L-2.3	CONSTRUCTION DETAILS 2
6	L-2.4	CONSTRUCTION DETAILS 3
7	L-2.5	CONSTRUCTION DETAILS 4 REFERENCE PHOTOS
8	L-3.1	CONSTRUCTION SPECIFICATIONS
9	S-0.1	STRUCTURAL GENERAL NOTES
10	S-0.2	STRUCTURAL GENERAL NOTES
11	S-1.0	STRUCTURAL TYPICAL DETAILS
12	S-2.0	STRUCTURAL PLANS

**ERRORS AND OMISSIONS:**

ARCHITERRA DESIGN GROUP HEREBY CERTIFIES THAT THE DESIGN, DETAILS AND SPECIFICATIONS AS REPRESENTED HEREIN MEET PROFESSIONAL LANDSCAPE ARCHITECTURAL STANDARDS. ARCHITERRA DESIGN GROUP CANNOT GUARANTEE THE QUALITY OF CONSTRUCTION, INSTALLATION OR MAINTENANCE OF IMPROVEMENTS AS DESIGNED AND/OR SPECIFIED HEREIN AND DISCLAIMS ANY FUTURE LIABILITY RESULTING FROM DEVIATIONS. ARCHITERRA DESIGN GROUP IS NOT RESPONSIBLE FOR THE AMOUNT OR FREQUENCY OF IRRIGATION WATER APPLIED TO THE PROJECT DURING CONSTRUCTION OR THEREAFTER.

**SUBMITTALS:**

FIRST SUBMITTAL: 11/10/25 (CITY REVIEW)  
SECOND SUBMITTAL: 01/06/26 (MINOR CITY COMMENTS ADDRESSED / APPROVAL)  
THIRD SUBMITTAL:  
FOURTH SUBMITTAL:

**PREPARED BY:**

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ADG JOB #2520  
**VERIFY SCALES**  
BAR IS ONE INCH ON ORIGINAL DRAWING  
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IF NOT ONE INCH ON THIS SHEET,  
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UNDERGROUND SERVICE ALERT (USA) OF SOUTHERN CALIFORNIA

NO.	DESCRIPTION OF REVISION	R.C.E.	APP'D	DATE
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PREPARED BY: Gregg Denson CA Lic. # 4302  
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CHECKED BY: **JRC**  
APPROVED BY: **DK**  
ENGINEERING REVIEWED BY: DANIEL KIM  
CITY ENGINEER C70701  
PE NO. 06/30/2027 EXPIRATION DATE  
DESIGN REVIEWED BY: JEREMY LAURENTOWSKI  
PARKS & RECREATION DIRECTOR 4373  
PLA NO. 02/28/2027 EXPIRATION DATE



**CITY OF MOORPARK**  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DIVISION

SPEC NO.  
MPK 26-03  
CIP NO.  
C0083

HIGH STREET BUS SHELTER IMPROVEMENT PROJECT  
467 E. HIGH STREET  
TITLE SHEET

L-0.0  
SHEET 1 OF 12  
DRAWING NO. 26-ML-11127

# TEMPORARY TREE AND PLANT PROTECTION SPECS:

## PART 1 - GENERAL

Refer to standard contract document for non-technical contractual requirements and conditions.

### 1.01 SUMMARY

A This Section includes the protection and trimming of existing trees that interfere with, or are affected by, execution of the Work, whether temporary or permanent construction.

### 1.02 SUBMITTALS

- A Product Data: For each type of product indicated.
- B Tree Pruning Schedule: Written schedule from arborist detailing scope and extent of pruning of trees to remain that interfere with or are affected by construction.
- C Certification: From arborist, certifying that trees indicated to remain have been protected during construction according to recognized standards and that trees were promptly and properly treated and repaired when damaged.
- D Maintenance Recommendations: From arborist, for care and protection of trees affected by construction during and after completing the Work.

### 1.03 QUALITY ASSURANCE

- A Arborist Qualifications: An arborist certified by ISA, or licensed in the jurisdiction where Project is located.
- B Tree Pruning Standard: Comply with ANSI A300 (Part 1), "Tree, Shrub, and Other Woody Plant Maintenance—Standard Practices (Pruning)."

## PART 2 - PRODUCTS

### 2.01 MATERIALS

- A Temporary Fence Material: 4' High orange thermoplastic fence material; Tenax Guardian visual barrier as distributed by the Home Depot.
- B Temporary Fence Posts: 6' High green T posts as distributed by the Home Depot.

## PART 3 - EXECUTION

### 3.01 PREPARATION

- A Temporary Fencing: Install temporary fencing around tree protection zones to protect remaining trees and vegetation from construction damage. Maintain temporary fence and remove when construction is complete.
- B Protect tree root systems from damage caused by runoff or spillage of noxious materials while mixing, placing, or storing construction materials. Protect root systems from ponding, eroding, or excessive wetting caused by dewatering operations.
- C Do not store construction materials, debris, or excavated material inside tree protection zones. Do not permit vehicles or foot traffic within tree protection zones; prevent soil compaction over root systems.

### 3.02 EXCAVATION

- A Install shoring or other protective support systems to minimize sloping or bending of excavations.
- B Do not excavate within tree protection zones, unless otherwise indicated.
- C Where utility trenches are required within tree protection zones, tunnel under or around roots by drilling, auger boring, pipe jacking, or digging by hand.
  - 1 Root Pruning: Do not cut main lateral roots or taproots; cut only smaller roots that interfere with installation of utilities. Cut roots with sharp pruning instruments; do not break or chop.

### 3.03 REGRADING

- A Grade Lowering: Where new finish grade is indicated below existing grade around trees, slope grade beyond tree protection zones. Maintain existing grades within tree protection zones.
- B Minor Fill: Where existing grade is 6 inches or less below elevation of finish grade, fill with topsoil. Place topsoil in a single uncompacted layer and hand grade to required finish elevations.
- C Moderate Fill: Where existing grade is more than 6 inches but less than 12 inches below elevation of finish grade, place drainage fill, filter fabric, and topsoil on existing grade as follows:
  - 1 Carefully place drainage fill against tree trunk approximately 2 inches above elevation of finish grade and extend not less than 18 inches from tree trunk on all sides. For balance of area within drip-line perimeter, place drainage fill up to 6 inches below elevation of grade.
  - 2 Place filter fabric with edges overlapping 6 inches minimum.
  - 3 Place fill layer of topsoil to finish grade. Do not compact drainage fill or topsoil. Hand grade to required finish elevations.

### 3.04 TREE PRUNING

- A Prune trees to remain that are affected by temporary and permanent construction as directed by an arborist.
- B Prune trees to remain to compensate for root loss caused by damaging or cutting root system. An arborist shall be on site to direct trimming of trees for maintenance or construction access as approved by the owner's representative. Provide subsequent maintenance during Contract period as recommended by arborist.
- C Pruning Standards: Prune trees according to ANSI A300 (Part 1)
- D Cut branches with sharp pruning instruments; do not break or chop.
- E Remove tree branches offsite.

### 3.05 TREE REPAIR AND REPLACEMENT

- A Promptly repair trees damaged by construction operations within 24 hours. Treat damaged trunks, limbs, and roots according to arborist's written instructions.

### 3.06 DISPOSAL OF WASTE MATERIALS

- A Burning is not permitted.
- B Disposal: Remove excess excavated material and displaced trees from Owner's property.

# DEMOLITION NOTES:

1. CONTRACTOR SHALL REPAIR AT HIS OWN EXPENSE, ANY DAMAGE, WHETHER INSIDE OR OUTSIDE OF THE PROJECT LIMITS, TO UTILITY SYSTEMS, SURFACE PAVEMENTS, FIXTURES, STRUCTURES, OR VEGETATION THAT IS NOT SPECIFICALLY INDICATED TO BE REMOVED AS PART OF THIS DEMOLITION PLAN. ALL DAMAGED ITEMS SHALL BE REPAIRED TO THEIR ORIGINAL CONDITION, AS ACCEPTABLE TO THE OWNER.
2. EXCEPT FOR MATERIALS INDICATED TO BE SALVAGED AND RELOCATED ON SITE, ALL CLEARED MATERIALS SHALL BECOME THE CONTRACTOR'S PROPERTY AND SHALL BE REMOVED AND DISPOSED OF LEGALLY OFF-SITE. SEPARATE RECYCLABLE MATERIALS PRODUCED DURING SITE CLEARING FROM OTHER NONRECYCLABLE MATERIALS. STORE OR STOCKPILE WITHOUT INTERMIXING WITH OTHER MATERIALS AND TRANSPORT THEM TO RECYCLING FACILITIES.
3. THE CONTRACTOR IS TO SUBMIT PHOTOGRAPHS OR VIDEOTAPE, SUFFICIENTLY DETAILED, OF EXISTING CONDITIONS OF TREES AND PLANTINGS, ADJOINING CONSTRUCTION, AND SITE IMPROVEMENTS THAT MIGHT BE MISCONSTRUED AS DAMAGE CAUSED BY SITE CLEARING.
4. THE CONTRACTOR IS TO SUBMIT RECORD DRAWINGS IDENTIFYING AND ACCURATELY LOCATING CAPPED UTILITIES AND OTHER SUBSURFACE STRUCTURAL, ELECTRICAL, AND MECHANICAL CONDITIONS.
5. LOCATE AND CLEARLY FLAG ALL TREES AND VEGETATION TO REMAIN OR BE RELOCATED.
6. PROVIDE TEMPORARY EROSION AND SEDIMENTATION CONTROL MEASURES TO PREVENT SOIL EROSION AND DISCHARGE OF SOIL-BEARING WATER RUNOFF OR AIRBORNE DUST TO ADJACENT PROPERTIES AND WALKWAYS.
7. THE EXISTENCE AND APPROXIMATE LOCATION OF ANY UNDERGROUND UTILITY PIPES OR STRUCTURES SHOWN ON THESE PLANS ARE OBTAINED BY THE AVAILABLE RECORDS. THE CONTRACTOR IS REQUIRED TO TAKE DUE PRECAUTIONARY MEASURES TO PROTECT UTILITY LINES SHOWN AND ANY OTHER LINES NOT OF RECORD AND NOT SHOWN ON THESE PLANS. THE CONTRACTOR SHALL CALL TOLL FREE UNDERGROUND SERVICE ALERT TWO WORKING DAYS PRIOR TO STARTING ANY EXCAVATION WORK.
8. REMOVE SLABS, PAVING, CURBS, GUTTERS, AND AGGREGATE BASE AS INDICATED. NEATLY SAW CUT EXISTING PAVEMENT TO REMAIN BEFORE REMOVING EXISTING PAVEMENT. PAINT ENDS OF STEEL REINFORCEMENT IN CONCRETE TO REMAIN TO PREVENT CORROSION.

# PROTECTION NOTES:

1. REGARDING THE "SAFE ZONE" FOR EXISTING TREES: BEFORE BEGINNING ANY DEMOLITION OR CONSTRUCTION OPERATIONS, INSTALL A TEMPORARY PLASTIC ORANGE WEB FENCE AROUND ALL EXISTING TREES TO BE PROTECTED IN PLACE. THE FENCE SHALL BE INSTALLED AT A MINIMUM OF 15' AWAY FROM THE TRUNK (OR AS FAR AWAY FROM THE TRUNK AS POSSIBLE). PROTECTION BARRIER SHALL CONSIST OF 3' MINIMUM HIGH PLASTIC WEB FENCING ATTACHED TO #4 REBAR STAKES. ALL CONTRACTORS AND THEIR CREWS SHALL NOT BE ALLOWED INSIDE THIS "SAFE ZONE", NOR SHALL THEY BE ALLOWED TO STORE OR DUMP FOREIGN MATERIALS WITHIN THIS AREA. NO WORK OF ANY KIND, INCLUDING TRENCHING, SHALL BE ALLOWED WITHIN THE SAFE ZONE EXCEPT AS DESCRIBED BELOW. THE FENCING SHALL REMAIN AROUND EACH TREE TO BE SAVED UNTIL THE COMPLETION OF CONSTRUCTION OPERATIONS.
2. ALL ELEMENTS TO REMAIN AND SHALL BE PROTECTED FROM DAMAGE IN PLACE. ANY ITEMS OR MATERIALS DAMAGED AS A RESULT OF THE CONTRACTOR'S OPERATIONS SHALL BE REPLACED IN KIND, TO THE SATISFACTION OF THE OWNER.

# CLEARING NOTES:

1. BEFORE ANY CONSTRUCTION OPERATIONS ARE INITIATED THE INDIVIDUAL TREES TO BE PROTECTED SHALL BE CLEARLY TAGGED. THE ZONES BENEATH THE TREE CANOPY SHALL BE PROTECTED AND ARE NOT TO BE USED FOR VEHICLE ACCESS OR PARKING.
2. SHRUBS AND GROUND COVER PLANTS THAT ARE SCHEDULED FOR REMOVAL SHALL BE REMOVED COMPLETELY AND THOROUGHLY. ALL ROOTS THAT ARE OVER 1/2" INCH IN DIAMETER SHALL BE GRUBBED AND REMOVED TO 18" BELOW GRADE MINIMUM. ALL ROOTS WITHIN THE TOP 6" OF SOIL SURFACE SHALL BE REMOVED. DO NOT DISTURB ROOTS OF TREES SHOWN TO REMAIN.
3. EXPOSED ROOTS OF EXISTING TREES TO REMAIN THAT ARE OVER 1" IN DIAMETER SHALL BE INSPECTED BY A CITY-APPROVED ARBORIST TO DETERMINE IF CUTTING IS RECOMMENDED. ANY SUCH INDICATED ROOTS SHALL BE CUT CLEANLY WITH CLEAN SHARP PRUNING TOOLS AND NOT RIPPED, TORN, OR CRUSHED.

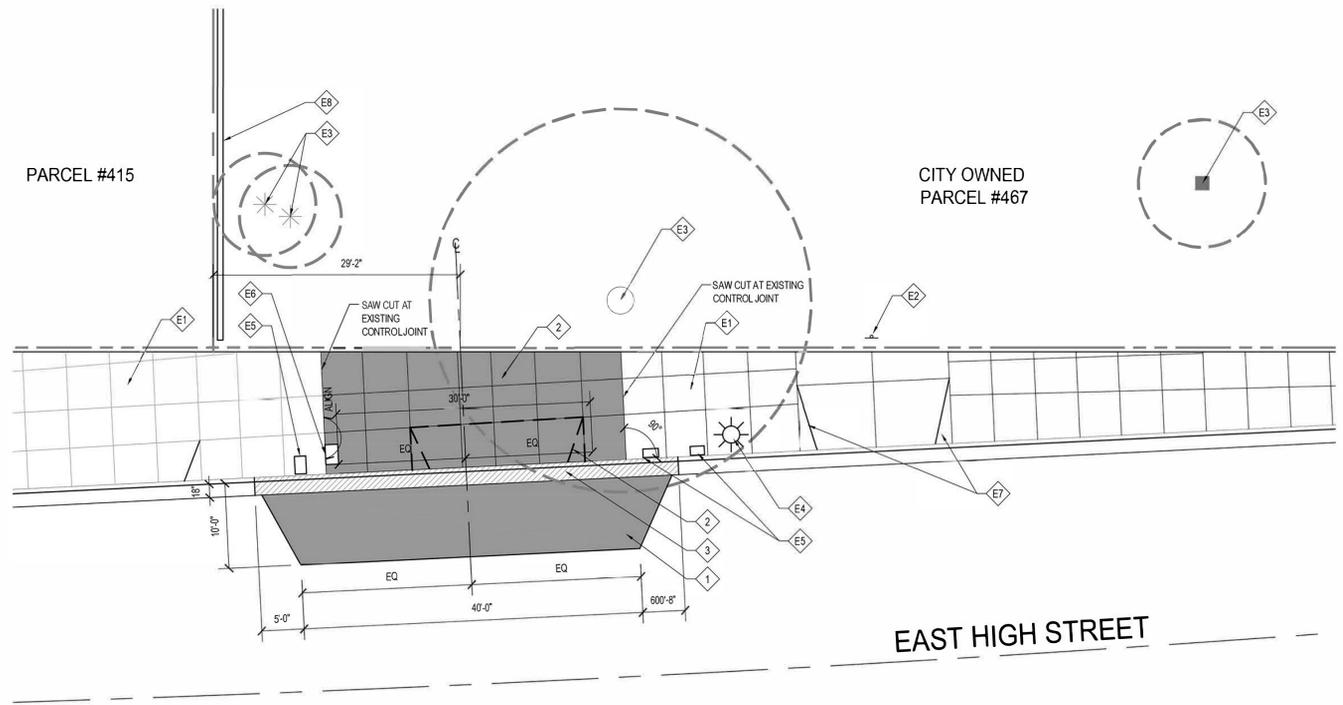
# DEMOLITION LEGEND:

## DEMOLITION CALLOUTS:

- 1 SAW CUT AND REMOVE STREET ASPHALT PAVING.
- 2 SAW CUT AND REMOVE EXISTING CONCRETE SIDEWALK & AND DRIVEWAY APRON.
- 3 SAW CUT AND REMOVE EXISTING CONCRETE CURBS AND GUTTER.

## EXISTING TO REMAIN:

- E1 EXISTING CITY STANDARD SIDEWALK TO REMAIN, PROTECT IN PLACE.
- E2 EXISTING SIGN TO REMAIN, PROTECT IN PLACE.
- E3 EXISTING TREES TO REMAIN, PROTECT IN PLACE.
- E4 EXISTING LIGHT POLE TO REMAIN, PROTECT IN PLACE.
- E5 EXISTING SITE UTILITY TO REMAIN, PROTECT IN PLACE.
- E6 EXISTING WATER METER TO REMAIN, PROTECT IN PLACE.
- E7 EXISTING DRIVEWAY APRON TO REMAIN, PROTECT IN PLACE.
- E8 EXISTING WALL TO REMAIN, PROTECT IN PLACE.

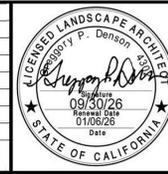


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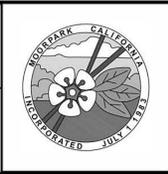


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 DRAWN BY:  
**ASO**  
 CHECKED BY:  
**JRC**  
 APPROVED BY:  
**DK**

ENGINEERING REVIEWED BY: DANIEL KIM  
 CITY ENGINEER  
 C70701  
 PE NO. 06/30/2027  
 EXPIRATION DATE  
 DESIGN REVIEWED BY: JEREMY LAURENTOWSKI  
 PARKS & RECREATION DIRECTOR  
 4373  
 PLA NO. 02/05/2026  
 DATE  
 EXPIRATION DATE



**CITY OF MOORPARK**  
 PUBLIC WORKS DEPARTMENT  
 ENGINEERING DIVISION

SPEC NO.  
 MPK 26-03  
 CIP NO.  
 C0083

HIGH STREET BUS SHELTER IMPROVEMENT PROJECT  
 467 E. HIGH STREET  
 DEMOLITION PLAN &  
 TREE PROTECTION SPECS

L-1.1  
 SHEET 2  
 OF 12  
 DRAWING NO.  
 26-ML-11127

### CONSTRUCTION NOTES:

- CONTRACTOR SHALL NOT WILLFULLY PROCEED WITH CONSTRUCTION AS DESIGNED WHEN IT IS OBVIOUS THAT UNKNOWN OBSTRUCTIONS AND/OR GRADE DIFFERENCES EXIST THAT MAY NOT HAVE BEEN KNOWN DURING DESIGN. SUCH CONDITIONS SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE LANDSCAPE ARCHITECT. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL NECESSARY REVISIONS DUE TO A FAILURE TO GIVE SUCH NOTIFICATION.
- ALL FORMS AND ALIGNMENTS OF PAVING, WALL / FENCE LAYOUT, AND SPECIAL PAVING AREAS SHALL BE REVIEWED AND APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO POURING (GIVE A MINIMUM OF 48 HOURS NOTICE).
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING HIMSELF FAMILIAR WITH ALL UNDERGROUND UTILITIES, PIPES AND STRUCTURES. CONTRACTOR SHALL TAKE SOLE RESPONSIBILITY FOR COST INCURRED DUE TO DAMAGE AND REPLACEMENT OF SAID UTILITIES.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ANY COORDINATION WITH OTHER SUBCONTRACTORS AS REQUIRED TO ACCOMPLISH CONSTRUCTION OPERATIONS AS SHOWN.
- PRIOR TO PLACING CONCRETE, THE CONTRACTOR SHALL SUFFICIENTLY COMPACT THE SUB-GRADE AND PROVIDE SUBSURFACE PREPARATION PER SPECIFICATIONS.
- CONCRETE SURFACES SHALL BE FORMED WITH LONG, SMOOTH GRADIENT TO REDUCE DIPS, ABRUPT CHANGES AND SHARP TRANSITIONS.

### PAVING & SURFACING SCHEDULE:

CODE	DESCRIPTION	DETAIL	MATERIAL	THICKNESS	PATTERN	EXP. JT. TYPE	CTL. JT. TYPE	JOINT DETAILS	FINISH	MATERIAL COLOR	REMARKS
<b>CONCRETE</b>											
P-11	CONCRETE PAVING- PEDESTRIAN	AIL-22	P.C.C.	4" MIN	N/A	FULL DEPTH WATERPROOF	TOOLED	CL-22	MEDIUM BROOM	NATURAL GRAY	---
P-12	CONCRETE PAVING- VEHICULAR	EIL-22	P.C.C.	PER GEOTECH SOILS REPORT MIN. 8" P.C.C. ON 6" C.M.B.	N/A	FULL DEPTH WATERPROOF	TOOLED	CL-22	ROUGH BROOM	NATURAL GRAY	STANDARD PLAN FOR PUBLIC WORKS CONSTRUCTION, BUS PAD TO BE SINGLE CONCRETE POUR.
<b>UNIT PAVERS</b>											
P-21	BRICK PAVERS W/ BRICK BAND	CL-22	BELDEN BELCREST PAVERS 2-1/4" THICKNESS X 3-5/8" WIDTH X 7-5/8" LENGTH - MEET ASTM C902 PEDESTRIAN AND LIGHT TRAFFICE PAVING BRICK SPECIFICATIONS.	60 MM	RUNNING BOND W/ PERIMETER HEADER COURSE	HP NEXT GEL SUMMIT GRAY POLYMERIC SAND	N/A	N/A	SEAL WITH MIRACLE RUSH-OLEUM 511 IMPREGNATOR SEALANT	BELCREST 760 WITH ORCO VP JOINT GROUT, SADDLE BROWN FOR PERIMETER HEADER COURSE	AVAILABLE THROUGH THOMPSON BUILDING SUPPLIES 949-239-2417

### VENEER SCHEDULE:

CODE	DESCRIPTION	DETAIL	MANUF.	THICKNESS	PATTERN	EXP. JT. TYPE	CTL. JT. TYPE	JOINT DETAILS	FINISH	MATERIAL COLOR	REMARKS
<b>VENEER</b>											
V-21	THIN BRICK VENEER	---	BELDEN BELCREST THIN BRICK CLADDING 5/8" THICKNESS X 2-1/4" WIDTH X 7-5/8" LENGTH	5/8"	RUNNING BOND	N/A	N/A	N/A	RAIN GUARD MICRO-SEALER WITH VAN GUARD ANTI-GRAFFITI COATING	BELCREST 760 WITH MAVS GROUT MG218 (OMEGA)	AVAILABLE THROUGH THOMPSON BUILDING SUPPLIES 949-239-2417

### SITE AMENITIES SCHEDULE:

CODE	DESCRIPTION	DETAIL	MANUF.	MODEL	MATERIAL COLOR(S)	MOUNTING	REMARKS
<b>SITE FURNISHINGS</b>							
A-11	TRASH RECEPTACLE	BL-24	DUMOR	107-32	POWDERCOAT BLACK	SURFACE WITH ANCHOR BOLTS	AVAILABLE THROUGH RECWEST OUTDOOR PRODUCTS 818-735-3838
A-12	RECYCLABLE RECEPTACLE	BL-24	DUMOR	107-32 WITH RECYCLE LID	POWDERCOAT BLACK	SURFACE WITH ANCHOR BOLTS	AVAILABLE THROUGH RECWEST OUTDOOR PRODUCTS 818-735-3838
A-13	BENCH	CL-24	VICTOR STANLEY	RB-28 W/ MIDDLE ARM REST	POWDERCOAT BLACK	SURFACE WITH ANCHOR BOLTS	AVAILABLE THROUGH VICTOR STANLEY

### SITE STRUCTURES SCHEDULE:

CODE	DESCRIPTION	DETAIL	DIMENSIONS	MATERIAL	PREFAB. MODEL	MATERIAL COLORS	COLOR APPLICATION	REMARKS
<b>SHELTERS</b>								
SS-21	CUSTOM FABRICATED BUS SHELTER	A-CL-2.3 & AIL-24	PER DETAILS	MIXED	CUSTOM	SW 7048 URBANE BRONZE FOR METAL FRAMING, ROOF, MESH SCREEN, & BOTTOM COLLAR, TOP COLLAR USE SW 7653 SILVERPOINTE	POWDERCOATED ROOF; PRIMER (2) COATS AND ENAMEL PAINT (2) COATS OTHER	PROVIDE SHOP DRAWINGS FOR REVIEW AND APPROVAL

### REFERENCES BY OTHERS SCHEDULE:

CODE	DESCRIPTION	NOTES
R-108	BUS SIGN	NEW TO BE SUPPLIED & INSTALLED BY CITY OF MOORPARK

### JOINT SCHEDULE:

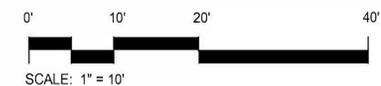
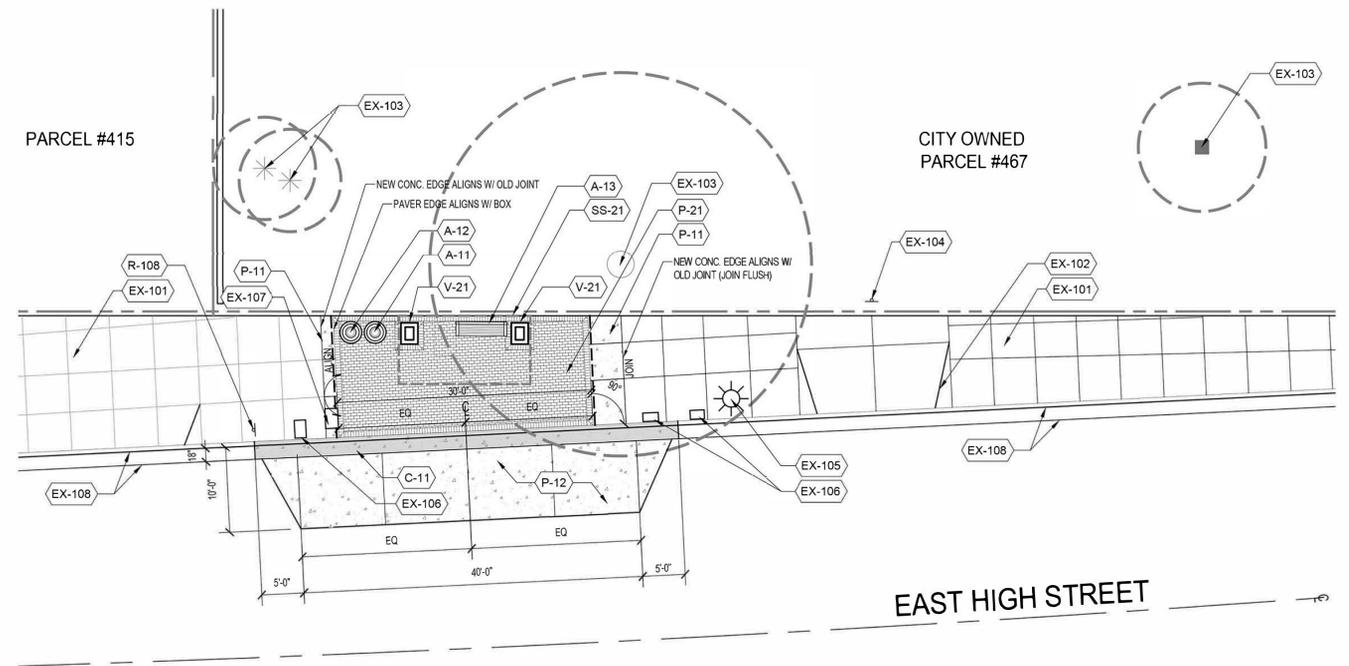
SYMBOL	TYPE	NOTES
---	EXPANSION JOINT	SEE PAVING SCHEDULE FOR MORE INFORMATION
---	CONTROL JOINT	SEE PAVING SCHEDULE FOR MORE INFORMATION

### CURBS & EDGING SCHEDULE:

CODE	DESCRIPTION	DETAIL	MATERIAL	MODEL	MATERIAL COLOR	FINISH	REMARKS
<b>CONCRETE CURBS</b>							
C-11	6" VEHICULAR CURB & GUTTER	FL-22	P.C.C.	TYPE A2-6	NATURAL GRAY	MEDIUM BROOM	STANDARD PLAN FOR PUBLIC WORKS CONSTRUCTION

### EXISTING SCHEDULE:

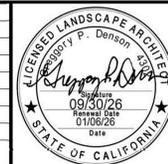
CODE	DESCRIPTION	NOTES
EX-101	STANDARD SIDEWALK	EXISTING TO REMAIN
EX-102	DRIVEWAY APRON	EXISTING TO REMAIN
EX-103	TREE	EXISTING TO REMAIN
EX-104	SIGN	EXISTING TO REMAIN
EX-105	LIGHT POLE	EXISTING TO REMAIN
EX-106	SITE UTILITY	EXISTING TO REMAIN
EX-107	WATER METER	EXISTING TO REMAIN
EX-108	CURB & GUTTER	EXISTING TO REMAIN



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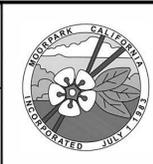
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ENGINEERING REVIEWED BY: DANIEL KIM  
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 PARKS & RECREATION DIRECTOR  
 EXPIRATION DATE 02/28/2027

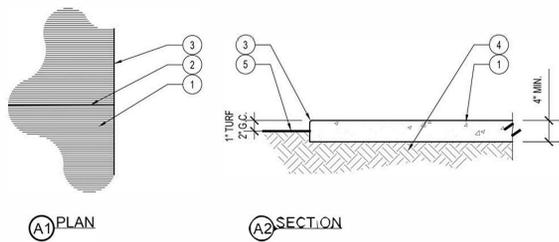


**CITY OF MOORPARK**  
 PUBLIC WORKS DEPARTMENT  
 ENGINEERING DIVISION

SPEC NO. MPK 26-03  
 CIP NO. C0083

HIGH STREET BUS SHELTER IMPROVEMENT PROJECT  
 467 E. HIGH STREET  
 CONSTRUCTION PLAN

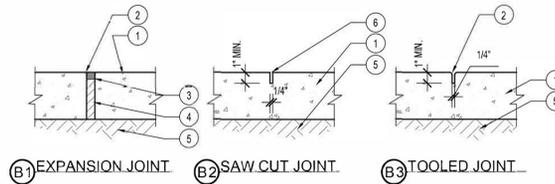
L-2.1
SHEET 3
OF 12
DRAWING NO. 26-ML-11127



- LEGEND:**
1. CONCRETE PAVING, 4" MIN. THICKNESS. RUN MEDIUM-BROOM FINISH PERPENDICULAR TO EDGE OF CONCRETE PATH OF TRAVEL.
  2. 1" DEEP CONTROL JOINT. SEE CONSTRUCTION PLAN FOR LAYOUT, 5'-0" O.C. MAX.
  3. EDGE OF PAVING - 1/2" RADIUS ALONG ALL EXPOSED EDGES.
  4. COMPACT SUB-GRADE TO 90% RELATIVE COMPACTION UNDER PAVEMENT.
  5. FINISH GRADE AT ADJACENT PLANTING AREA.

- NOTES:**
- CONTRACTOR SHALL POUR AND FINISH A 2' x 2' SAMPLE OF EACH TYPE OF FINISH FOR APPROVAL BY OWNER'S REPRESENTATIVE OR LANDSCAPE ARCHITECT.
  - FOR DRIVEWAY THICKNESS, REFER TO CIVIL ENGINEER'S PLANS AND GEOTECHNICAL REPORT.
  - CONCRETE REINFORCEMENT PER GEOTECHNICAL REPORT.

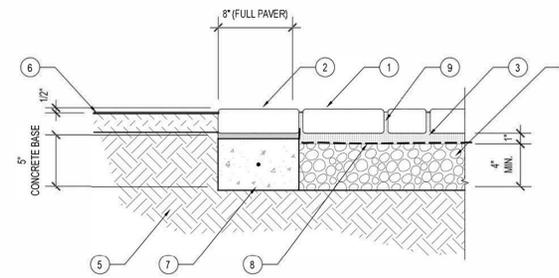
**A** PEDESTRIAN CONCRETE PAVING W/ BROOM FINISH  
SCALE: 3/4" = 1'-0"  
REFERENCE NUMBER: P-11



- LEGEND:**
1. CONCRETE PAVING PER PLAN.
  2. HAND TOOLED JOINT w/ 1/4" TOOLED RADIUS.
  3. POLYURETHANE WATERPROOF SEALANT, COLOR TO MATCH PAVING. SUBMIT COLOR SAMPLES PRIOR TO INSTALLATION.
  4. 1/2" EXPANSION JOINT w/ TEAR-AWAY TOP. SEE SPECIFICATIONS.
  5. COMPACTED SUB-GRADE PER SOIL REPORT.
  6. MACHINE SAW CUT JOINT, 1" DEEP MINIMUM.

- NOTES:**
- EXPANSION JOINTS SHALL BE PLACED A MAXIMUM OF 20' APART UNLESS OTHERWISE NOTED ON PLAN.
  - CONTROL JOINTS SHALL BE PLACED PER PLANS, AND MAXIMUM 10' APART UNLESS OTHERWISE NOTED ON PLANS.
  - PLACE EXPANSION JOINTS AT ALL ABUTMENTS ADJACENT TO FOUNDATIONS AND SEGMENTED AREAS OF CONCRETE AND AS SHOWN ON PLAN.

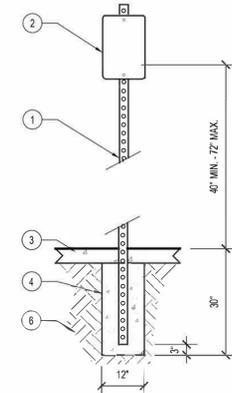
**B** CONCRETE EXPANSION & CONTROL JOINTS  
SCALE: 1 1/2" = 1'-0"  
REFERENCE NUMBER: P-11



- LEGEND:**
1. BRICK PAVERS IN RUNNING BOND PATTERN PER CONSTRUCTION PLAN. 1/4" JOINT SPACING FILLED WITH POLYMERIC SAND.
  2. BRICK PAVES PERIMETER HEADER COURSE ALL SIDES, MORTAR SET.
  3. 1" THICK SAND SETTING BED.
  4. 4" THICK COMPACTED CLASS 2 AGGREGATE BASE MATERIAL.
  5. 95% COMPACTED SUB-GRADE.
  6. PLANTER AREA FINISH GRADE.
  7. CONCRETE BASE AT PAVES BAND W/ #3 REBAR CONT.
  8. GEOTEXTILE - TENCATE MIRAFL #40 NL OR EQUAL. TURN UP AT ADJACENT CONCRETE.
  9. TECHNISEAL HP POLYMERIC JOINTING SAND - TAN COLOR.

- NOTES:**
- BEGIN LAYOUT AT CENTER OF AREA TO BE PAVED, AND INSTALL PER MANUFACTURER'S SPECIFICATIONS.
  - JOINT FILL PER MATERIALS AND FINISHES SCHEDULE.
  - INSTALL PER MANUFACTURER'S RECOMMENDATIONS AND FINISHES SCHEDULE.

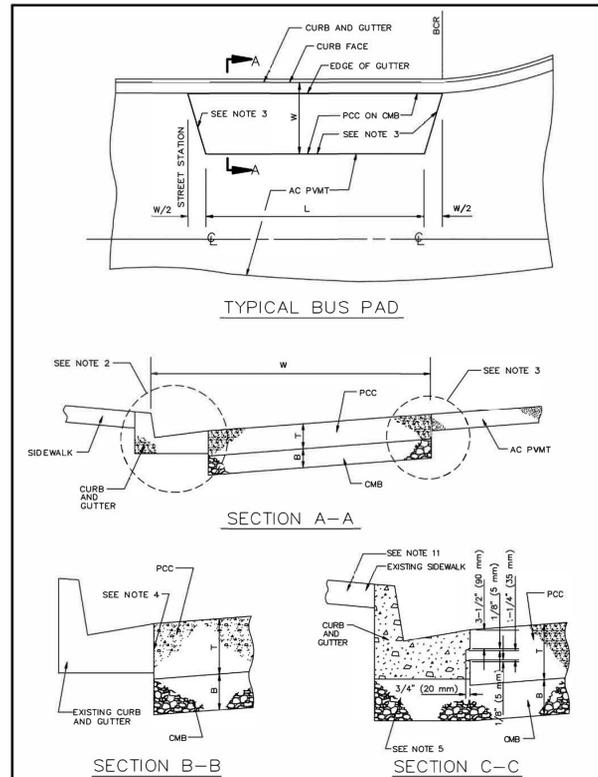
**C** BRICK PAVERS W/ BRICK BAND  
SCALE: 1 1/2" = 1'-0"  
REFERENCE NUMBER: P-21



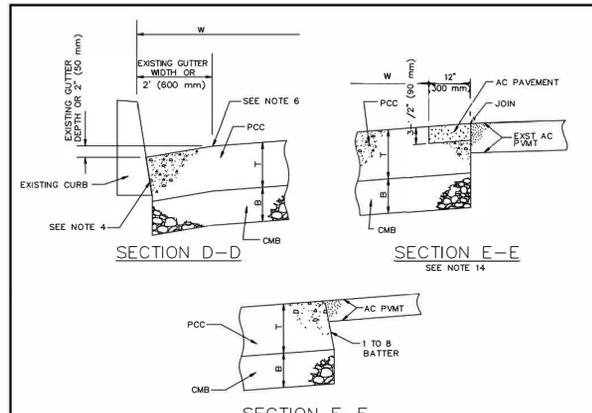
- LEGEND:**
1. 2 1/2" SQ. PERFORATED GALVANIZED STEEL POST.
  2. SIGN WITH PREDRILLED CENTER HOLES, SIGN SIZE AND CONTENT PER CITY STANDARDS.
  3. ADJACENT CONCRETE PAVING PER PLAN.
  4. CONCRETE FOOTING.
  5. FINISH GRADE.
  6. 90% COMPACTED SUB-GRADE, PER SOIL REPORT.

- NOTE:**
- SIGN SHALL BE PROVIDED AND INSTALLED BY THE CITY OF MOORPARK.
  - INSTALLATION SHALL MEET ALL ACCESSIBILITY REQUIREMENTS.

**D** TYPICAL SQ. STEEL SIGN POST  
SCALE: 1/2" = 1'-0"  
REFERENCE NUMBER: R-108

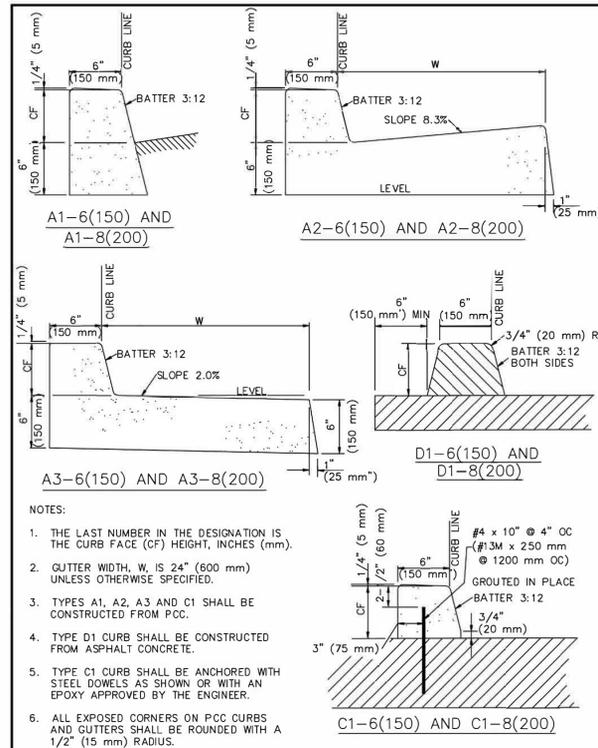


**E** CONCRETE PAVING - VEHICULAR  
SCALE: 1 1/2" = 1'-0"  
REFERENCE NUMBER: P-12



- NOTES:**
- DIMENSIONS: (UNLESS OTHERWISE SHOWN)  
L = 85' (26 m) T = 8" (200 mm)  
W = 10' (3 m) B = 6" (150 mm)
  - USE SECTION B-B FOR EXISTING CURB AND GUTTER THAT IS TO REMAIN.
  - USE SECTION C-C FOR NEW CURB AND GUTTER.
  - USE SECTION D-D FOR EXISTING CURB THAT IS TO REMAIN.
  - USE SECTION E-E FOR EXISTING AC PAVEMENT.
  - USE SECTION F-F FOR NEW AC PAVEMENT.
  - AT LOCATIONS WHERE PCC PAVEMENT WILL ABUT EXISTING CONCRETE, AN EPOXY APPROVED BY THE ENGINEER SHALL BE APPLIED TO THE EXISTING CONCRETE SURFACES PRIOR TO CONCRETE PLACEMENT.
  - IF B + T IS ≥ 300 mm (12"), CMB SHALL EXTEND UNDER NEW CURB AND GUTTER.
  - CONSTRUCT LONGITUDINAL WEAKENED-PLANE JOINT TO MATCH ADJOINING EXISTING GUTTER WIDTH, OR 2' (600 mm) IF NO ADJOINING GUTTER EXISTS.
  - USE 2"x4" (50x100) HEADER TO FORM 3-1/2" (90 mm) STEP. TOP OF HEADER SHALL BE SET TO LINE AND GRADE.
  - ALL EXPOSED PCC CORNERS SHALL BE ROUNDED WITH A 1/2" (15 mm) RADIUS.
  - SURFACE OF CONCRETE SHALL HAVE A ROUGH TRANSVERSE BROOM FINISH.
  - WHERE DESIGNATED BY THE ENGINEER, UNDESIRABLE SUBGRADE MATERIAL SHALL BE REMOVED AND REPLACED WITH CMB.
  - WHERE NEW CURB AND GUTTER IS CONSTRUCTED ADJACENT TO EXISTING SIDEWALK, SIDEWALK SHALL BE REMOVED AND REPLACED TO NEAREST SCORELINE.
  - CONSTRUCT TRANSVERSE WEAKENED PLANE JOINTS IN BUS PAD PAVEMENT AT APPROX. 10' (3 m) INTERVALS.
  - CONSTRUCT TRANSVERSE WEAKENED PLANE JOINTS IN BUS PAD PAVEMENT AT ALL EXISTING CURB/CURB & GUTTER CONSTRUCTION JOINTS AND WEAKENED-PLANE JOINTS.
  - AT THE OPTION OF THE ENGINEER, THE EXISTING PAVEMENT MAY BE NEATLY SAWCUT AROUND THE DIMENSIONS OF THE BUS PAD, AND CONCRETE POURED DIRECTLY USING THE EXISTING PAVEMENT AS A FORM. THE CONCRETE EDGES SHALL BE ROUNDED WITH A 1/2" (15 mm) RADIUS.

**F** 6" VEHICULAR CURB & GUTTER  
SCALE: 1 1/2" = 1'-0"  
REFERENCE NUMBER: C-11



**G** CURB AND GUTTER - BARRIER  
SCALE: 1 1/2" = 1'-0"  
REFERENCE NUMBER: C-11

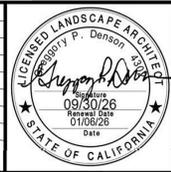
ADG JOB #2520  
**VERIFY SCALES**  
BAR IS ONE INCH ON ORIGINAL DRAWING  
IF NOT ONE INCH ON THIS SHEET,  
ADJUST SCALES ACCORDINGLY



**E** CONCRETE PAVING - VEHICULAR  
SCALE: 1 1/2" = 1'-0"  
REFERENCE NUMBER: P-12

**F** 6" VEHICULAR CURB & GUTTER  
SCALE: 1 1/2" = 1'-0"  
REFERENCE NUMBER: C-11

NO.	DESCRIPTION OF REVISION	R.C.E.	APP'D	DATE
6				
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PREPARED BY: Gregg Denson CA Lic. #4302  
**ARCHITERRA DESIGN GROUP**  
LANDSCAPE ARCHITECTURE AND PLANNING  
10221-A TRADEMARK ST., RANCHO CUCAMONGA, CALIFORNIA 91730  
PH: (909)484-2800

DESIGNED BY: **GPD**  
DRAWN BY: **ASO**  
CHECKED BY: **JRC**  
APPROVED BY: **DK**

ENGINEERING REVIEWED BY: DANIEL KIM  
CITY ENGINEER  
C70701  
PE NO. 06/30/2027 EXPIRATION DATE  
DESIGN REVIEWED BY: JEREMY LAURENTOWSKI  
PARKS & RECREATION DIRECTOR  
4373  
PLA NO. 02/05/2026 DATE

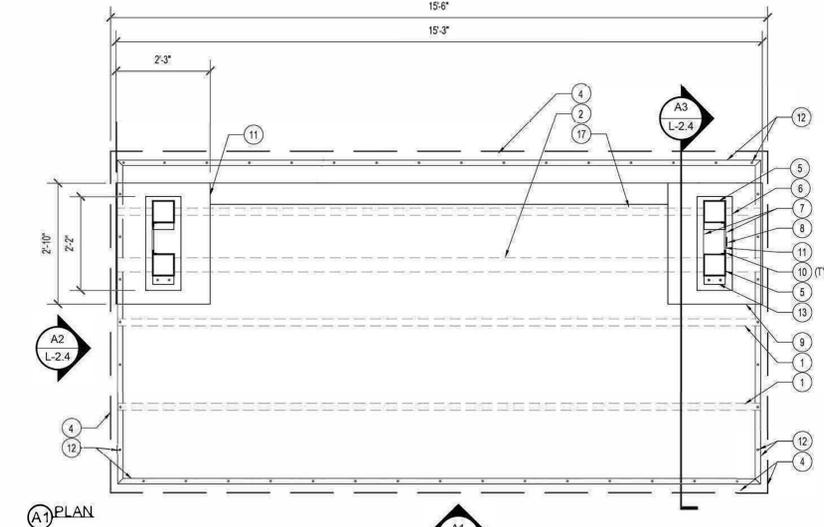
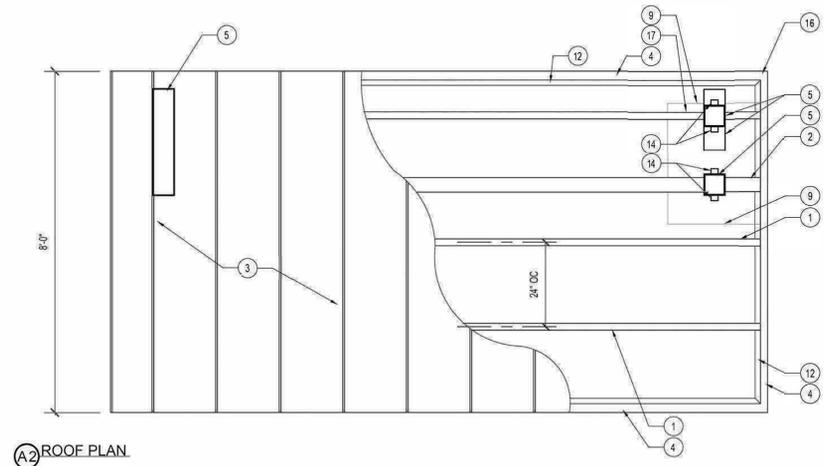


**CITY OF MOORPARK**  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DIVISION

SPEC NO. **MPK-26-03**  
CIP NO. **C0083**

HIGH STREET BUS SHELTER IMPROVEMENT PROJECT  
467 E. HIGH STREET  
**CONSTRUCTION DETAILS 1**

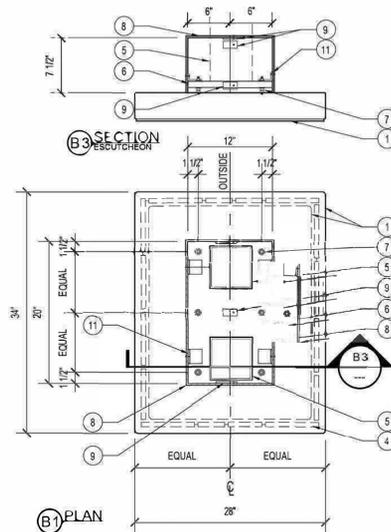
L-2.2  
SHEET **4**  
OF **12**  
DRAWING NO. **26-ML-11127**



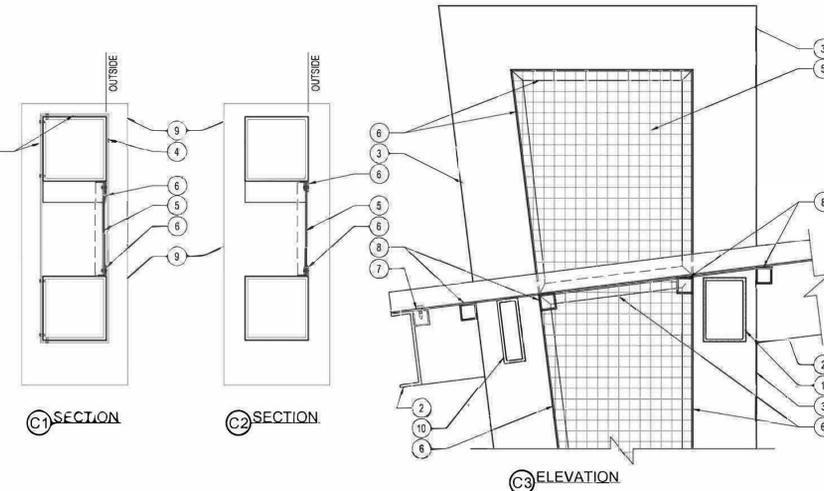
**A** BUS STOP SHELTER PLANS  
SCALE: 1/2" = 1'-0"  
REFERENCE NUMBER: SS-21

- LEGEND:**
- TUBULAR STEEL ROOFING FRAME - 2" x 6" BEAMS BETWEEN 'C' CHANNELS.
  - 4" x 6" TUBULAR STEEL SUPPORT BEAM, WELD BETWEEN POSTS.
  - STANDING SEAM PANEL ROOFING. SEAL AT POST PENETRATIONS.
  - STEEL 'C' CHANNEL, 2" DEEP x 7" HIGH AT FRONT AND SIDES OF ROOF PERIMETER. ALIGN BOTTOMS OF 9" HIGH CHANNEL WITH BOTTOM OF 7" HIGH CHANNEL AT BACK OF ROOF SUPPORT PERIMETER. SEE ELEVATIONS.
  - 6" x 6" TUBULAR STEEL POST AND TOP.
  - BASE 1/4" THICK REMOVABLE STEEL COLLAR. SEE DETAIL C. PROVIDE VANDAL / TAMPER RESISTANT HARDWARE.
  - 7 GA. STEEL COLLAR FOR BUS STOP SIGNAGE. SEE NOTE FOR FINISHING.
  - ICON FOR BUS STOP STATION NUMBER ART WORK PROVIDED BY CITY.
  - POURED-IN-PLACE CONCRETE COLUMN AND CAP. SEE STRUCTURAL S-1.1 SEE STRUCTURAL FOR REINFORCEMENT REQUIREMENTS. FOR COLUMN PLAN & SECTION ENLARGEMENT SEE DETAIL BIS-1.1
  - 1" x 1" STEEL ANGLE, WELD TO POSTS.
  - PERFORATED STEEL "SCREEN" MANHOLS 12 GAUGE, 1/2" SQUARES ON 11/16" STRAIGHT CENTERS, WITH 3/16" BARS, #1A/TICE 1253. WELD TO 1" x 1" STEEL ANGLE.
  - 1 1/2" x 1 1/2" x 11 GA. TUBULAR STEEL, ALL AROUND. ATTACH ROOFING PANEL TO T.S. WITH TEK SCREWS AND NEOPRENE WASHERS.
  - CUSTOM 3" x 3" x 1/4" STEEL ANGLE ROOF SUPPORT. FABRICATE TO MATCH ROOF PITCH. WELD TO POST.
  - 1-1/2" x 1-1/2" x 2" LONG x 11 GA. TUBULAR STEEL ROOF DECK SUPPORTS. WELD TO POSTS AS SUPPORT FOR CUSTOM FIT STANDING SEAM ROOF PANEL. CLOSE ENDS. SEE REFERENCE PHOTOS, DETAIL D, SHEET L-2.5
  - STEEL 'C' CHANNEL, 2" DEEP x 7" HIGH AT BACK OF ROOF PERIMETER. ALIGN BOTTOM OF 7" HIGH CHANNEL WITH BOTTOM OF 9" HIGH CHANNELS. SEE ELEVATIONS.
  - FABRICATE STEEL PIECE AT TRANSITION FROM 9" HIGH 'C' CHANNEL TO 7" HIGH 'C' CHANNEL, TYPICAL EACH CORNER. SEE REFERENCE PHOTOS, DETAIL E, SHEET L-2.5
  - 2" x 6" TUBULAR STEEL SUPPORT BEAM, WELD BETWEEN POSTS.

- NOTES:**
- METAL FABRICATOR TO SUBMIT SHOP DRAWINGS SHOWING REINFORCING AND ATTACHMENTS FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO FABRICATION.
  - PAINT STEEL WITH (2) COAT OF ZINC CHROMATE PRIMER AND (2) COATS OF ENAMEL PAINT, "SW 7048 URBANE BRONZE" UNLESS NOTED OTHERWISE (SEE NOTE 'C').
  - PAINT STEEL COLLAR (CALLOUT #7) WITH (2) COATS OF ZINC CHROMATE PRIMER AND (2) COATS OF ENAMEL PAINT, #SW 7653 "SILVERPOINTE"
  - SEAL CAP AND BRICK VENEER PER MATERIALS AND FINISHES SCHEDULE.
  - ALL TUBULAR STEEL TO HAVE ENDS WELDED CLOSED.
  - SEAL ROOF PANEL SEAMS.



**B** COLUMN PLAN & SECTION  
SCALE: 1" = 1'-0"  
REFERENCE NUMBER: SS-21



**C** POST ENLARGEMENT  
SCALE: 1 1/2" = 1'-0"  
REFERENCE NUMBER: SS-21

- LEGEND:**
- POURED-IN-PLACE CONCRETE COLUMN AND CAP.
  - VERTICAL REBAR, SIZE AND AN SPACING PER STRUCTURAL ENGINEER'S DETAILS.
  - REBAR TIES, SIZE AND SPACING PER STRUCTURAL ENGINEER'S DETAILS.
  - THIN BRICK VENEER, ALL SIDES.
  - 6" x 6" TUBULAR STEEL POST, WELD TO BASE ANCHOR PLATE.
  - 7/8" THICK STEEL BASE ANCHOR PLATE WITH HARD PACK BELOW.
  - THREADED ROD ANCHORS WITH LEVELING NUTS, AND WASHERS. SEE STRUCTURAL ENGINEER'S DETAILS.
  - 1/4" THICK STEEL ESCUTCHEON (IN HALVES). SEE REFERENCE PHOTOS, DETAIL C, SHEET L-2.5.
  - 1/4" THICK STEEL TABS, WELD ONE SIDE TO ESCUTCHEON BOX, INSIDE ALIGN AND SECURE OTHER SIDE WITH SET SCREWS. SIMILAR BOTH ENDS OF ESCUTCHEON BOX, AND TOP.
  - 6" WIDE CONCRETE CURB PER CONSTRUCTION PLAN. ALIGN CURB WITH COLUMN CONCRETE.
  - L' TABS (4 PLACES) WELDED TO BASE PLATE. SECURE ESCUTCHEON TO TABS WITH SET SCREWS.

- NOTES:**
- REBAR REINFORCING AND ANCHORS SHOWN FOR REFERENCE.
  - FINAL REBAR AND ANCHOR SIZE, QUANTITY AND SPACING PER STRUCTURAL DETAILS.

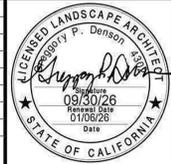
- LEGEND:**
- 4" x 6" TUBULAR STEEL SUPPORT BEAM, WELD BETWEEN POSTS.
  - STEEL 'C' CHANNEL, SEE STRUCTURAL ENGINEER'S DETAILS FOR SIZE(S). SEE REFERENCE PHOTOS, DETAIL E, SHEET L-2.5.
  - 6" x 6" TUBULAR STEEL POST AND TOP.
  - 7 GA. STEEL COLLAR FOR BUS STOP SIGNAGE.
  - PERFORATED STEEL "SCREEN" MANHOLS 12 GAUGE, 1/2" SQUARES ON 11/16" STRAIGHT CENTERS, WITH 3/16" BARS, #1A/TICE 1253. WELD TO 1" x 1" STEEL ANGLE.
  - 1" x 1" STEEL ANGLE, WELD TO POSTS.
  - 1-1/2" x 1-1/2" x 11 GA. TUBULAR STEEL ROOFING TRIM. ATTACH ROOFING PANEL TO T.S. WITH TEK SCREWS AND NEOPRENE WASHERS.
  - 1-1/2" x 1-1/2" x 2" LONG x 11 GA. TUBULAR STEEL ROOF DECK SUPPORTS. WELD TO POSTS AS SUPPORT FOR CUSTOM FIT STANDING SEAM ROOF PANEL. SEE REFERENCE PHOTOS, DETAIL D, SHEET L-2.5
  - STEEL ESCUTCHEON AT BASE PLATE. SEE REFERENCE PHOTOS, DETAIL C, SHEET L-2.5.
  - 2" x 6" TUBULAR STEEL SUPPORT BEAM, WELD BETWEEN POSTS.

- NOTES:**
- REFER ALSO TO METAL FABRICATION AND FINISHING NOTES, DETAIL A, THIS SHEET.

ADG JOB #2520  
**VERIFY SCALES**  
BAR IS ONE INCH ON ORIGINAL DRAWING  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY



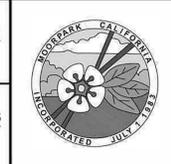
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PH: (909) 484-2800

DESIGNED BY: **GPD**  
DRAWN BY: **ASO**  
CHECKED BY: **JRC**  
APPROVED BY: **DK**

ENGINEERING REVIEWED BY: DANIEL KIM  
CITY ENGINEER C70701  
PE NO. 06/30/2027 EXPIRATION DATE  
DESIGN REVIEWED BY: JEREMY LAURENTOWSKI  
PARKS & RECREATION DIRECTOR 4373  
PLA NO. 02/28/2027 EXPIRATION DATE

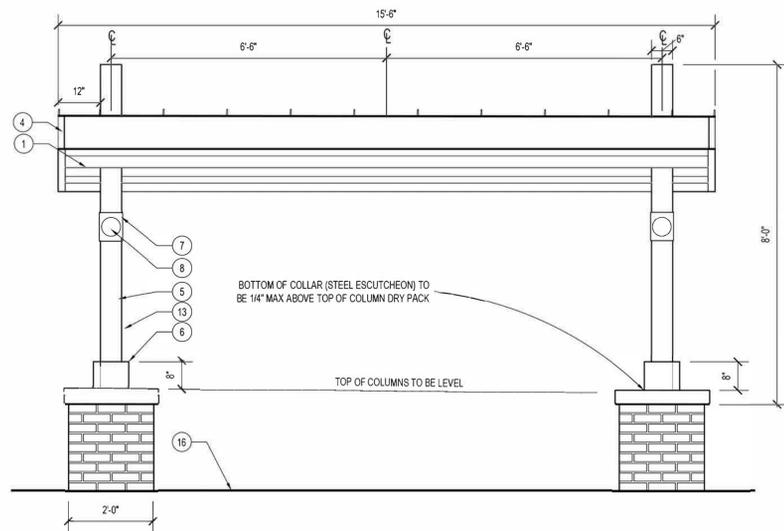


**CITY OF MOORPARK**  
PUBLIC WORKS DEPARTMENT  
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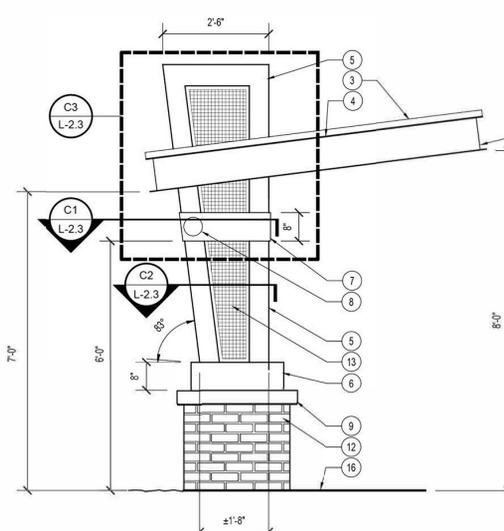
SPEC NO. MPK 26-03  
CIP NO. C0083

HIGH STREET BUS SHELTER IMPROVEMENT PROJECT  
467 E. HIGH STREET  
CONSTRUCTION DETAILS 2

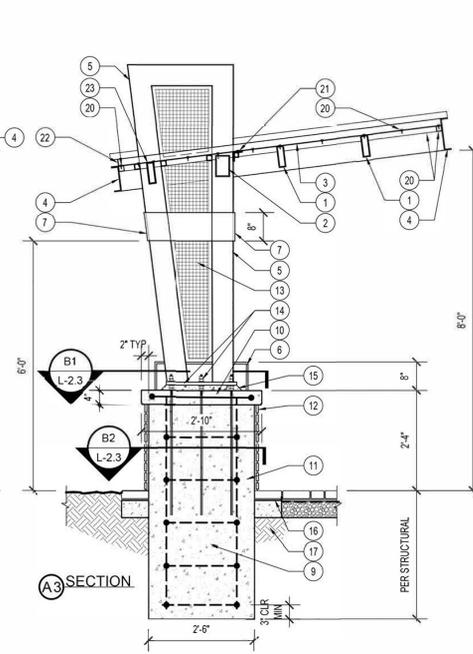
L-2.3  
SHEET 5 OF 12  
DRAWING NO. 26-ML-11127



**A FRONT ELEVATION**



**A2 SIDE ELEVATION**



**A3 SECTION**

- LEGEND:**
- TUBULAR STEEL ROOFING FRAME - 2" x 6" BEAMS BETWEEN C CHANNELS.
  - 4" x 6" TUBULAR STEEL SUPPORT BEAM, WELD BETWEEN POSTS.
  - STEEL C CHANNEL, SEE STRUCTURAL FRAMING PLAN FOR SIZES.
  - 6" x 6" TUBULAR STEEL POST AND TOP.
  - BASE 1/4" THICK REMOVABLE STEEL ESCUTCHEON. SEE DETAIL C. PROVIDE VANDAL/TAMPER RESISTANT HARDWARE. REFER TO REFERENCE PHOTOS, DETAIL C, SHEET L-2.5.
  - 7 GA. STEEL COLLAR FOR BUS STOP SIGNAGE. SEE NOTE SEE FOR FINISHING.
  - ICON FOR BUS STOP STATION NUMBER. ART WORK PROVIDED BY CITY.
  - POURED-IN-PLACE CONCRETE COLUMN AND CAP. SEE STRUCTURAL S-1.1 SEE STRUCTURAL FOR REINFORCEMENT REQUIREMENTS.
  - POURED-IN-PLACE CONCRETE CAP WITH 1/2" RADIUS ALONG EDGES. #3 REBAR SET M-DEPTH.
  - COLUMN PLAN & SECTION ENLARGEMENT SEE DETAIL B3-1.1
  - THIN BRICK VENEER, ALL SIDES. SEE MATERIAL SCHEDULE FOR TYPE AND SIZE. SET BRICK PER PAVING AND SURFACING SCHEDULE (P-22).
  - PERFORATED SCREEN INSIDE. M-NICHOLS 12 GA. "LATTICE" PERFORATED STEEL ATTACH TO ANGLE IRON USING VANDAL/TAMPER RESISTANT HARDWARE. MESH PATTERN TO BE 90° SQUARE.
  - 7/8" THICK STEEL BASE PLATE AND ANCHORS WITH LEVELING NUTS. SEE STRUCTURAL S-1.1.
  - CONCRETE DRY PACK BENEATH BASE PLATE.
  - ADJACENT PAVING / FINISH SURFACE PER CONSTRUCTION PLAN.
  - 95% COMPACTED SUB-GRADE.
  - 1" x 1" STEEL ANGLE, WELD TO POSTS.
  - 3/4" WIDE STEEL FLAT BAR.
  - 1 1/2" x 1 1/2" x 11 GA. TUBULAR STEEL, ALL AROUND. ATTACH ROOFING PANEL TO T.S. WITH TEK SCREWS AND NEOPRENE WASHERS.
  - 1-1/2" x 1-1/2" x 2" LONG x 11 GA. TUBULAR STEEL ROOF DECK SUPPORTS. WELD TO POSTS AS SUPPORT FOR CUSTOM FIT STANDING SEAM ROOF PANEL. CLOSE ENDS. SEE REFERENCE PHOTOS, DETAIL D, SHEET L-2.5.
  - FABRICATE STEEL END PIECE AT TRANSITION FROM 9" HIGH 'C' CHANNEL TO 7" HIGH 'C' CHANNEL, TYPICAL EACH BACK CORNER. SEE REFERENCE PHOTOS, DETAIL E, SHEET L-2.5.
  - 2" x 6" TUBULAR STEEL SUPPORT BEAM, WELD BETWEEN POSTS.

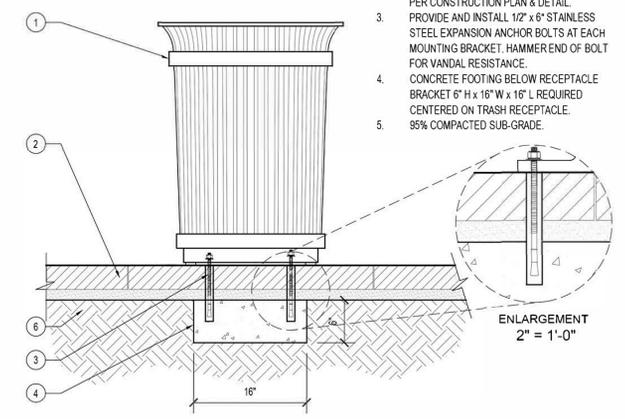
**METAL FABRICATION AND FINISHING NOTES:**

- METAL FABRICATOR TO SUBMIT SHOP DRAWINGS SHOWING REINFORCING AND ATTACHMENTS FOR APPROVAL BY LANDSCAPE ARCHITECT PRIOR TO FABRICATION.
- PAINT STEEL WITH (2) COAT OF ZINC CHROMATE PRIMER AND (2) COATS OF ENAMEL PAINT, "SW 7048 URBANE BRONZE" UNLESS NOTED OTHERWISE (SEE NOTE 'C').
- PAINT STEEL COLLAR (CALLOUT #7) WITH (2) COATS OF ZINC CHROMATE PRIMER AND (2) COATS OF ENAMEL PAINT, "SW 7653 SILVERPOINTE".
- SEAL CAP AND BRICK VENEER PER MATERIALS AND FINISHES SCHEDULE.

**A BUS STOP SHELTER ELEVATIONS**  
SCALE: 1/2" = 1'-0"  
REFERENCE NUMBER: SS-21

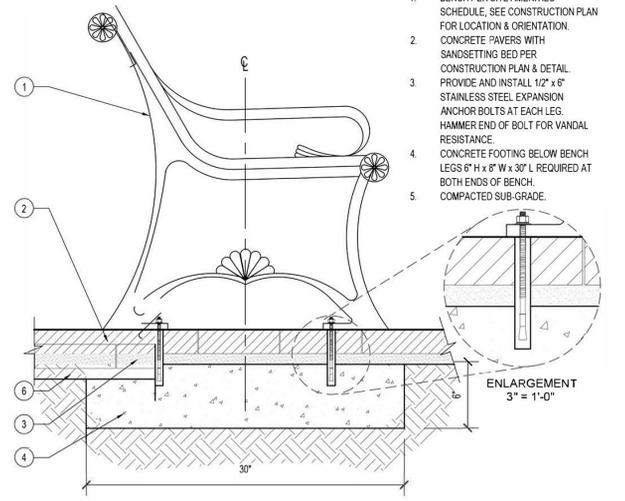
**NOTES:**  
A. INSTALL PER MANUFACTURER'S RECOMMENDATIONS

- LEGEND:**
- TRASH OR RECYCLING RECEPTACLE PER SITE AMENITIES SCHEDULE. SEE CONSTRUCTION PLAN FOR LOCATION & ORIENTATION.
  - CONCRETE PAVERS WITH SANDSETTING BED PER CONSTRUCTION PLAN & DETAIL.
  - PROVIDE AND INSTALL 1/2" x 6" STAINLESS STEEL EXPANSION ANCHOR BOLTS AT EACH MOUNTING BRACKET. HAMMER END OF BOLT FOR VANDAL RESISTANCE.
  - CONCRETE FOOTING BELOW RECEPTACLE BRACKET 6" H x 16" W x 16" L REQUIRED CENTERED ON TRASH RECEPTACLE.
  - 95% COMPACTED SUB-GRADE.



**B RECEPTACLE MOUNT ON PAVERS**  
SCALE: 1" = 1'-0"  
REFERENCE NUMBER: A-11, A-12  
S-CONST-SA-TRASH-20

- LEGEND:**
- BENCH PER SITE AMENITIES SCHEDULE. SEE CONSTRUCTION PLAN FOR LOCATION & ORIENTATION.
  - CONCRETE PAVERS WITH SANDSETTING BED PER CONSTRUCTION PLAN & DETAIL.
  - PROVIDE AND INSTALL 1/2" x 6" STAINLESS STEEL EXPANSION ANCHOR BOLTS AT EACH LEG. HAMMER END OF BOLT FOR VANDAL RESISTANCE.
  - CONCRETE FOOTING BELOW BENCH LEGS 6" H x 8" W x 30" L REQUIRED AT BOTH ENDS OF BENCH.
  - COMPACTED SUB-GRADE.



**C BENCH MOUNT ON PAVERS**  
SCALE: 1 1/2" = 1'-0"  
REFERENCE NUMBER: A-13  
S-CONST-SA-BNCH-03

ADG JOB #2520  
**VERIFY SCALES**  
BAR IS ONE INCH ON ORIGINAL DRAWING  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY



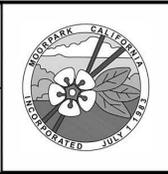
NO.	DESCRIPTION OF REVISION	R.C.E.	APP'D	DATE
6				
5				
4				
3				
2				
1				



PREPARED BY: Gregg Denson CA Lic # 4302  
**ARCHITERRA DESIGN GROUP**  
LANDSCAPE ARCHITECTURE AND PLANNING  
10221-A TRADEMARK ST., RANCHO CUCAMONGA, CALIFORNIA 91730  
PH: (909) 484-2800

DESIGNED BY: **GPD**  
DRAWN BY: **ASO**  
CHECKED BY: **JRC**  
APPROVED BY: **DK**

ENGINEERING REVIEWED BY: DANIEL KIM  
CITY ENGINEER C70701  
PE NO. 06/30/2027 EXPIRATION DATE  
DESIGN REVIEWED BY: JEREMY LAURENTOWSKI  
PARKS & RECREATION DIRECTOR 4373  
PLA NO. 02/05/2026 EXPIRATION DATE



**CITY OF MOORPARK**  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DIVISION

SPEC NO. MPK 26-03  
CIP NO. C0083

HIGH STREET BUS SHELTER IMPROVEMENT PROJECT  
467 E. HIGH STREET  
**CONSTRUCTION DETAILS 3**

L-2.4  
SHEET 6 OF 12  
DRAWING NO. 26-ML-11127



**A** SIDE ELEVATION  
SCALE: NOT TO SCALE



**B** ROOF DECK UNDERSIDE  
SCALE: NOT TO SCALE



**C** 2-PIECE ESCUTCHEON  
SCALE: NOT TO SCALE



**D** ROOF DECK SUPPORTS  
SCALE: NOT TO SCALE



**E** 'C' CHANNEL CORNER TRANSITION  
SCALE: NOT TO SCALE



**F** EXISTING BUS SHELTER AT THE METROLINK STATION  
SCALE: NOT TO SCALE

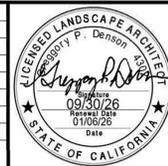
ADG JOB #2520

**VERIFY SCALES**  
BAR IS ONE INCH ON ORIGINAL DRAWING  
0 ——— 1  
IF NOT ONE INCH ON THIS SHEET,  
ADJUST SCALES ACCORDINGLY

**DIGALERT**  
DIAL TOLL FREE  
1-800-227-2600  
AT LEAST TWO DAYS  
BEFORE YOU DIG

UNDERGROUND SERVICE ALERT (USA) OF SOUTHERN CALIFORNIA

NO.	DESCRIPTION OF REVISION	R.C.E.	APP'D	DATE
6				
5				
4				
3				
2				
1				



PREPARED BY: Gregg Denson CA Lic # 4302

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DESIGNED BY:  
**GPD**

DRAWN BY:  
**ASO**

CHECKED BY:  
**JRC**

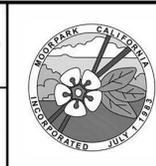
APPROVED BY:  
**DK**

ENGINEERING REVIEWED BY: DANIEL KIM

CITY ENGINEER  
C70701  
PE NO. 06/30/2027  
EXPIRATION DATE

DESIGN REVIEWED BY: JEREMY LAURENTOWSKI

PARKS & RECREATION DIRECTOR  
4373  
PLA NO. 02/05/2026  
DATE



**CITY OF MOORPARK**

**PUBLIC WORKS DEPARTMENT  
ENGINEERING DIVISION**

SPEC NO.  
MPK 26-03

CIP NO.  
C0083

HIGH STREET BUS SHELTER IMPROVEMENT PROJECT  
467 E. HIGH STREET

**CONSTRUCTION DETAILS 4  
REFERENCE PHOTOS**

L-2.5
SHEET 7
OF 12
DRAWING NO. 26-ML-11127

CONCRETE

PART 1 - SCOPE OF WORK

1.1 SCOPE OF WORK
A. Work includes, but is not limited to the following: Furnish all labor and materials, appliances, tools, equipment, facilities, transportation, and services necessary for installing all concrete work complete as indicated on the drawings and specifications including, but not limited to:
1. Furnish and set all reinforcing steel, bolts and anchors.
2. Install all items required by other trades, which are to be cast into concrete.
3. Concrete mow curbs, banding, poured in place walls, flatwork, footings, piers and slabs for walls, fencing, benches, controllers, decks, etc., where applicable.

PART 2 - GENERAL

A. All requirements of subsection 3.31, standard specifications for Public works Construction, shall apply except as specified herein.
2.1 INSPECTION OF SITE
A. Examine related work and surfaces before starting work in this section. Report to the Landscape Architect in writing, site conditions which will prevent the proper provision of this work. Beginning the work in this section without reporting unsuitable conditions to the Landscape Architect constitutes acceptance of site conditions by the Contractor. Any required removal, repair, or replacement of this work caused by unsuitable conditions shall be done at no additional cost to Owner.

2.2 PROTECTION OF EXISTING CONDITIONS

A. Contractor shall acquaint himself with all site conditions. He shall take necessary precautions to protect existing site conditions that are to remain. Should damage occur, Contractor shall repair damage to its original condition or furnish and install equal replacement at his own expense, to the satisfaction of the Owner.

2.3 COORDINATION

A. Cooperation On-site: coordinate and cooperate with other contractors to enable the work to proceed as rapidly and as efficiently as possible.
B. Work with other trades: Coordinate with General Contractor items of other trades to be furnished and set in place. Such portions of their work as all or in part embedded, built-in, attached to, or supported by the work shall be executed by them in ample time that progress of the work is not delayed. Any cutting or patching made necessary to comply with this injunction shall be done at the contractor's expense.

2.4 APPROVAL

A. Wherever the terms "approve," "approval," or "approved" are used in the Specifications, they mean approval of the Landscape Architect, the Owner's representative or their field representatives, or in writing.

2.5 SUBMITTALS

A. At least 10 days after award of contract, Contractor shall submit for approval samples and for manufacturers latest catalog cuts and specifications of the following prior to beginning work: Approved samples shall be standards for completing work.
1. One 2 1/2 x 2 1/2 in. sample for each type of concrete finish and color at the job site.
2. Color samples for expansion joint sealant compounds.
3. All submittal data shall be forwarded in a single package to the Landscape Architect within 15 days after award of the General Contract unless otherwise approved by the Landscape Architect and/or Owner's Construction Representative.

2.6 SUBSTITUTIONS

A. Standards: Specific reference to manufacturers' names and products specified in this section are used as standards; this implies no right to substitute other material or methods without written approval of the Landscape Architect.
B. Approval: Installation of any approved substitutions is Contractor's responsibility. Any changes required for installation of any approved substitution must be made to the satisfaction of Landscape Architect and without additional cost to Owner. Approval by Landscape Architect of substituted materials and/or dimensional drawings do not waive these requirements.

PART 3 - MATERIALS

A. Materials shall be of first quality and of domestic manufacture as noted below.
1. Portland cement shall conform to ASTM C150, Type I or Type II.
2. Concrete aggregate shall conform to ASTM C33.
3. Water shall be clean, free from strong acid, alkali, oil or organic matter.
4. Admixture for all formed concrete shall be Sika Chemical Corp.'s "Plastiment", or approved equal, applied in strict accordance with manufacturer's directions.
5. Reinforcement: Reinforcing steel ASTM-A181 and ASTM-A305. Wire: ASTM-A181.
6. Forms:
a. Lumber shall be "construction grade" Douglas fir.
b. Plywood for forming of concrete which is exposed shall be Plyform. All plywood used for forming shall be at least 5/8-inch thick and edge sealed.
7. Expansion joint filler shall conform with ASTM-D1751 (pre-molded).

PART 4 - EXECUTION

4.1 CONCRETE DESIGN MIX
A. Contractor assumes responsibility for the design-mix and guarantees the specified ultimate strength as indicated or specified herein.
B. Concrete, minimum 28-day ultimate strength shall be 2500 PSI.
C. Ready-mixed concrete shall conform to ASTM-C34.

4.2 CONCRETE PROPORTIONS & CONSISTENCY

A. The proportions of aggregate to cement shall provide a dense mixture which will readily work into all corners of the forms and around all reinforcements without any segregation of the materials, cause excess free water to collect on the surface or cause excessive bleeding of the forms.
B. The recommended practices of the American Concrete Institute shall be followed in all applicable procedures. The maximum slump shall not exceed (4") four inches for footings, slabs on grade, and mass concrete; 5 inches for foundation walls.

4.3 CONCRETE APPROVAL

A. The concrete quality, proportions, consistency, etc., is subject to the approval of Owner, and no changes shall be made without prior written approval.

4.4 FORM WORK

A. Forms for concrete work shall be either metal or wood. Forms that are warped or that do not have a smooth straight upper edge shall not be used. Forms shall be set with the upper edge of the board true to line and grade and shall be staked rigidly in place with stakes set not more than four feet (4') apart so as to remain immovable throughout the construction. All forms shall be approved by Owner within a tolerance of one percent (1%).

4.5 CONCRETE MIX

A. All concrete materials shall be accurately and separately weighed and mixing shall continue until the distribution of material is uniform and the mass of concrete is homogeneous.
B. Two and one-half (2 1/2) gallons of water per cubic yard, shall be withheld from the mix at the plant, and all or a portion may be added to the mix at the job site as directed by the inspector. The concrete shall be mixed at least 5 minutes after such water is added and not less than 3 minutes of this time shall be immediately prior to the discharge of the batch. Total mixing time after adding original water shall be at least 15 minutes.
C. Concrete, which is not placed within 90 minutes after the introduction of cement and water, and concrete, which has stood for 30 minutes after leaving the mixer, shall not be used.

4.6 REBAR

A. Reinforcing bar shall be spliced with 40 bar diamers minimum overlap.

4.7 CONVEYING AND PLACING

A. Before pouring, all forms shall be thoroughly cleaned and made tight. The bottom of trenches shall be wet down before pouring footings; earth shall not be muddy at the time of pouring. Concrete shall not be placed until reinforcements, rough hardware, and forms are approved by Owner.
B. Before depositing new concrete against old concrete, all laitance shall be removed, and the surfaces roughened to expose the embedded aggregate.
C. Conveying and placing of concrete shall be done so as to prevent separation of ingredients, and in no case shall the free fall exceed 6 feet. Tremies shall be used as required. Surfaces of concrete shall be kept reasonably level, with a minimum amount of concrete being allowed to flow after being placed. Placing shall be performed as a continuous operation until each section is completed.
D. Concrete shall be screeded and vibrated with mechanical vibrators to a maximum subsidence, without separation of ingredients. The moving of concrete by vibration will not be permitted.

4.8 COLORED CONCRETE

A. Integral color and Dust-On color hardener shall be as specified on plans and details. Quantities shall be as recommended by the manufacturer.

4.9 GROUTING

A. Grout shall be composed of one part Portland cement and two parts of fine aggregate by volume. Materials shall be mixed dry and water added just sufficient to make the mixture flow under its own weight.
B. For dry lump cement grout, a minimum of water shall be added to the mix so that when wet sample is squeezed hard in the hand, surface moisture, but no free water, shall appear on the sample. Do not mix more than can be used in 30 minutes.

4.10 CURING AND PROTECTION

A. All exposed surfaces of concrete shall be protected from damage due to temperature, elements, and construction operations.
B. Curing shall be as follows:
1. All exposed surfaces of concrete shall be protected from premature drying and freshly placed concrete shall be protected against wash by rain. All concrete shall be kept wet for a period of ten days after placing. In order that curing water may reach both surfaces of walls, the forms shall be loosened and water shall be poured over the tops of the walls and allowed to run down between the concrete and the forms.
2. All liquid curing compounds shall be used in accordance with the manufacturer's recommendations and shall not be used on surfaces receiving concrete hardener.

4.11 DEFECTIVE CONCRETE

A. Concrete which is not in accordance with these specifications, out of line, level, or plumb; showing structural cracks, rock pockets, voids, spalls, honeycombing, exposed reinforcing or other damaged surfaces shall be considered as defective.
B. All fines and irregularities shall be removed from exposed concrete surfaces while the concrete is still green. Where patching is required, all loose and uniform concrete shall be removed prior to patching.

4.12 CONCRETE FINISHES

A. Flat surfaces shall be screeded to the required levels and slopes and then any excess water or laitance removed. Concrete shall be compacted with a grid lamper and then floated to a true and level surface within the tolerance of 1/8-inch along a 10-inch straight edge. Contractor shall ensure positive drainage on all flatwork. See Plans for concrete finish in landscape areas.

4.13 EXPANSION JOINTS

A. Placement of expansion joints shall be as directed and determined by layouts of slab markings noted on drawings. Expansion joint material shall be Poly Foam, or approved equal, or as noted on Plans. Expansion joints shall be recessed one-quarter inch from finish surface and sealed with a bead of gray Thixoid sealant or equal. Slicka sand to match concrete color shall then be dusted onto the Thixoid bead.

4.14 CONTROL JOINTS

A. Control joints and other edges shall be formed in fresh concrete using a clean edging or jointing tool to provide a smoother uniform finish.

4.15 PROTECTION

A. All finished concrete work shall be barricaded to pedestrian traffic for three (3) days. Barricades shall be placed immediately after concrete finishing. Contractor shall furnish, place and remove all of his own barricades. Contractor shall be responsible for any damage to new construction and replacement or repair of the work shall be made without added cost to Owner.

4.16 PATCHING

A. If patching is necessary and permissible, a bonding agent such as Weld-Crae, or equal, shall be used.

4.17 CONCRETE CURBS

A. Construct concrete curbs at locations shown on Plans as detailed, true to line and grade, as approved by the local County or City. Use natural gray Portland cement concrete, 2500 PSI compression strength. Locate expansion joints as detailed or shown, and as directed, at intervals not to exceed fifteen feet (15'). Finish with steel trowel, then brush with bristle brush parallel to face or edge.

4.18 CLEAN-UP

A. Upon completion of all concrete work and before final acceptance, Contractor shall remove all tools, surplus materials, apparatus, debris, etc., from the site and the site shall be left in a clean, neat condition acceptable to Owner.

PART 5 - WARRANTIES

A. In addition to manufacturers' guarantees or warranties, all work shall be warranted for one year from the date of

final acceptance against all defects in materials and workmanship by contractor. Warranty shall also cover repair of damage to any part of the premises resulting from defects in materials and workmanship to the satisfaction of the Owner.

END OF SECTION

PAINTING

PART 1 - SCOPE OF WORK

1.01 WORK INCLUDED
Furnish all labor, tools, equipment, materials, transportation, and perform all operations necessary and incidental to proper execution and completion of all painting work in accordance with the Drawings and Specifications. Such work includes, but is not limited to painting of the following:
A. Handrails and Guardrails
B. Miscellaneous metals
C. Woodoverhead structures
D. Decks
E. Fencing

1.02 RELATED WORK IN OTHER SECTIONS

The following items of associated work are included in other sections of these Specifications:
A. Shop prime paint of steel materials and miscellaneous metal items

PART 2 - GENERAL

2.01 SUBMITTALS
Before beginning work, prepare for approval a sample of each color and finish required. Such samples, when approved, shall establish standards for color and finish for acceptance of completed work. Samples shall be made upon materials corresponding with those to be finished on the site. All work shall match the approved colors and samples. Submit samples to the Landscape Architect minimum of 15 days prior to construction for approval.

2.02 PRODUCT HANDLING

All painting materials shall be delivered to the site in the manufacturers' original containers with labels intact and seals unbroken. They shall be stored in a safe place, in accordance with current local regulations and manufacturer recommendations. All necessary precautions shall be taken to avoid danger of fire.

2.03 ENVIRONMENTAL CONDITIONS

Surfaces shall be painted only when they are clean and free from moisture. No painting of exterior surfaces shall be done less than 72 hours after a rain, nor during periods of dew or fog. Receiving surfaces shall be properly dried out before proceeding with the work. No painting shall be done when temperature is below 50 degrees Fahrenheit.

2.04 SCAFFOLDING AND PROTECTION

Furnish, maintain and remove all scaffolding and ladders required for this work, and all drop clothes for the protection of walks, fixtures, or other surfaces not to be painted. Painted and finished surfaces subject to damage or disfigurement shall be properly protected and covered. Contractor shall be responsible for any and all damage to painted work, and to that of other work caused by operations under this Section.

PART 3 - MATERIALS

3.01 MANUFACTURERS

A. Materials are specified by brand names to establish a standard of quality. The Landscape Architect will consider substitutions for brand names of products specified, provided the procedures set forth for substitutions and submittals are followed. The Landscape Architect reserves the right to reject any material which, in his opinion, will not produce the quality of work specified herein. The term "paint" as used herein includes enamel, paints, stains, varnishes, emulsions, lacquers and sealers. The following manufacturers' products and numbers constitute the standards for the primer and finish coats of the paint hereinafter specified.
1. Primer: Federal Specification TT-P-86, Type II (red leadalkyd type) or TT-P-645 (zinc chromate type) to be compatible with finish coat.
2. Finish Coats: Enamel, paint, stain, varnishes, emulsions, lacquers and sealers shall be as specified on plans and details.

3.02 COLOR AND LIFE OF FINISH

A. Colors shall be selected by Landscape Architect. Owner reserves the right to change colors to match and/or contrast building colors up to and including time of execution.
B. Color of all surfaces irregularities shall be removed from this Section shall, at the end of one year, have remained from serious fading, and no variations will be allowed. All materials shall then have adherence to the end of one year, and there shall be no evidence of blistering, running, peeling, sealing, chalking, streaks or strains at the end of this period.

3.03 MATERIALS FOR GENERAL USE

Thinner, linseed oil, or other solvents required shall be as recommended by each manufacturer for his respective product.

PART 4 - EXECUTION

4.01 SURFACE PREPARATION

A. Painting: No painting or finishing shall be started until the surfaces to be painted or finished are in proper condition in every respect. Surfaces that cannot be properly prepared by the painter for finishing shall not be painted or finished until they are rectified, unless instructed otherwise by the Landscape Architect.
B. Cleanliness: Surfaces to be painted shall be clean and free of dirt, dust, and any other substance which might interfere with the application of the paint. All surfaces to be painted shall be in proper condition to accept, and assume the proper adhesion and functioning of, the particular painting or coating specified.
C. Notification: Surfaces which cannot be prepared or painted as specified shall be immediately brought to the attention of the Landscape Architect. Starting of work without such notification will be considered acceptance by Contractor of the surfaces involved. Contractor will be required to replace any unsatisfactory work caused by improper or defective surfaces, as directed by the Landscape Architect, at no additional cost to the Owner.

4.02 WORKMANSHIP AND APPLICATION

A. Quality: All painting shall be done by skilled and experienced craftsmen working under the supervision of a capable foreman. All workmanship shall be of the highest quality and to the complete satisfaction of the Landscape Architect. All materials shall be applied in accordance with the manufacturers' directions, and materials shall be thinned only in compliance with the manufacturers' specifications.
B. Preparation: All material shall be evenly brushed, rolled or smoothly flowed on without runs or sagging and free from drops, ridges, laps, and brush marks. No coats shall be applied until any previously applied coats have thoroughly dried. Sand surfaces between coats as necessary to produce a smooth finish.
C. Application shall be as follows:
1. Paint: Two coats to match color of buildings - color to be selected by Owner.
2. Primer: Two coats - one coat shop applied and one coat site applied.
3. Unless otherwise instructed, all paints and primers shall be sprayed or rolled on-site.
D. Finished Product: Completed painted surfaces shall be free of blistering, running, peeling, scaling, streaks or stains, and the colors of all surfaces shall remain free from fading and uniform in color.

4.03 CLEANUP AND CLOSING

A. Safety/Cleanliness: Upon completion of the painting work, Contractor shall remove from the premises and dispose of all scaffolding and equipment, surplus material, empty containers and other debris resulting from Contractor's operations. The site shall be left clean and neat in all respects.

PART 5 - WARRANTIES

In addition to manufacturers' guarantees or warranties, all work shall be warranted for one year from the date of Final Acceptance against defects in materials and workmanship by Contractor. Warranty shall also cover repair of damage to any part of the premises resulting from defects in materials and workmanship to the satisfaction of the Owner.

END OF SECTION

TUBULAR STEEL

PART 1 - SCOPE OF WORK

1.01 WORK INCLUDED
A. Furnish and install tubular steel per plans, details and specifications.

1.02 RELATED WORK IN OTHER SECTIONS

The following items of associated work are included in other sections of these Specifications:
A. Painting

PART 2 - GENERAL

2.01 QUALITY ASSURANCE
A. Qualifications:
1. Perform shop welding on the premises of a fabricator licensed by the City Building and Safety Department.
2. Perform welding by welders approved and certified in accordance with requirements of AWS.
B. Reference Standards:
1. "AISC Steel Construction Manual".
2. "Code for Arc and Gas Welding in Building Construction", AWS D1.0 of the American Welding Society.
3. "Metal Finished Manual", of the National Association of Architectural Metal Manufacturers (NAAMM).

2.02 SUBMITTALS

A. Submit complete shop drawings to the Landscape Architect and/or Owner's Representative for review in advance of fabrication. Show the following on the shop drawings:
1. Show dimensions, sizes, thicknesses, gauges, finishes, joining, attachments and relationship to adjacent work.
2. Where welded connections, concrete inserts, and other items are required to receive other work, show exact locations required.
3. For standard manufactured items, submit work sheets showing illustrated cuts of items to be furnished, scale, details and dimensions.

2.03 COORDINATION WITH OTHER WORK

A. Examine drawings and specifications, and include all miscellaneous metal work which is not distinctly specified in other sections.
B. Provide all connections, anchors, bolts, welding, cutting, punching, drilling, tapping or other connecting required to fit miscellaneous metal with other work.
C. Provide items to be installed by other trades well in advance, to permit proper sequencing and scheduling of other work.

PART 4 - MATERIALS

Materials shall be of first quality and of domestic manufacture as noted below:

A. Rolled steel shapes and steel plates: ASTM A36.
B. Steel tubing: ASTM A500 Grade A, or ASTM A501 seamless - GA per details.
C. Steel pipe: ASTM A53, Type E or S, Grade A or A10, galvanized, size as per plan and details.
D. Steel bolts: ASTM A307, Grade A.
E. Welding rods: Conform to AWS requirements for intended use.
F. Concrete inserts: As indicated on plans.
G. Shop prime-coat paint: Conform to either FS TT-P-86 Type II for red leadalkyd type paint or FS TT-P-45 for zinc chromate type paint (2 applications - shop & site).
H. Touch-up for galvanized surfaces: All State #321 Galvanizing Powder (30% tin, 30% zinc, 40% lead and flux) as manufactured by All State Welding Alloys Co., or Speed Galvanized by W.D.L. Co. or equal.
I. Non-shrink grout: Mini Wax Construction Products Division Por-Rock, or approved equal.
J. Metal enamel: FS TT-P-37C - (2 coats).

PART 4 - EXECUTION

4.01 FABRICATION

A. Conform to the requirements of the referenced standards.
1. For manual welding, use low hydrogen type E7015 and E7016 electrodes.
2. Weld preheat shall be determined from Mill Reports showing the chemical composition of the reinforcement.
B. Shop prime all ferrous items to 1 mill dry coat thickness after fabrication, deburring and grinding smooth welds and rough spots. Touch-up after installation. Leave in proper condition to receive finish painting.
1. Do not paint rebar and steel surfaces to be embedded in or bonded to concrete.
C. Welds shall be ground smoothly, all weld spatter removed and work shall comply with the specifications of the "American Welding Society".
D. Subcontractor to perform all the above work in accordance with the governing plans and specifications.

4.02 INSTALLATION

A. Miscellaneous metalwork shall be free from defects which would impair strength, durability and appearance.
B. Erect metal, straight, true and accurately fit in place. Brace, reinforce, and anchor in place. Grind all field welds.
C. Provide non-shrink grouting of all frames, plates, sills, bolts and other items not designated to be done by others.
D. Conceal all connections in the finished work, where possible. Exposed screw connections shall be Allen-head screws matching the material they fasten.
E. Set base plate for support posts, true and plumb in concrete footing per details.
F. Protect all dissimilar metals from galvanic corrosion by pressure tapes, coatings, or isolators.
G. After erection, clean off all rust, scale and oil. Clean field welds, bolts, and abraded areas. Touch-up all areas with the same material as used for the shop coat, leaving all surfaces ready to receive finish coats. Apply second coat of primer or site.
H. Apply one primer coat and two finish coats of exterior metal enamel to metal surfaces, color as selected by Owner's Representative.

4.03 REPAIR OF DEFECTS

A. All defective or damaged work shall be replaced, removed and repaired as directed by the Landscape Architect or Owner's Representative at no cost to the owner.

4.04 CLEAN-UP

A. Clean-up and remove from the site all unused materials and debris resulting from the performance of this work not less than once a week or the last working day each week. All trash shall be removed completely from the project site.
B. Touch-up: Contractor shall clean and retouch Contractor's work as necessary, or as required for final approval by the Landscape Architect within 74 hours notice.
C. Uncoated Surfaces: Contractor shall leave all surfaces not to be painted, paving, hardware, or plant materials free from any paint, stain, splatterings, smears or smudges which are the result of his operation.
D. Location: Contractor shall not clean equipment and brushes or dispose of thinners, paint or other chemicals in areas to be painted or in the vicinity of existing plants.

PART 5 - WARRANTIES

In addition to manufacturers' guarantees or warranties, all work shall be warranted for one year from the date of Final Acceptance against defects in materials and workmanship by Contractor. Warranty shall also cover repair of damage

to any part of the premises resulting from defects in materials and workmanship to the satisfaction of the Owner.

END OF SECTION

UNIT MASONRY ASSEMBLIES

PART 1 - GENERAL

1.1 SUMMARY

A. This Section includes unit masonry assemblies consisting of the following:
Adjust list below to suit Project.
1. Concrete masonry units (CMUs).
2. Face brick.
3. Cobble landscape paving.
4. Concrete paver units.

1.2 SUBMITTALS

A. Product Data: For each type of product indicated.
B. Samples for each type and color of exposed masonry units.

1.3 PROJECT CONDITIONS

A. Cold-Weather Requirements: Comply with cold-weather construction requirements contained in ACI 530.1/ASCE 6/TMS 602.
B. Hot-Weather Requirements: Comply with hot-weather construction requirements contained in ACI 530.1/ASCE 6/TMS 602.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Products: Subject to compliance with requirements, provide one of the products specified.

2.2 CONCRETE MASONRY UNITS (CMUs)

A. Shapes: Provide special shapes for lintels, corners, jambs, sashes, movement joints, headers, bonding, and other special conditions. If retaining, also retain water-repellent mortar admixture.
1. Concrete Masonry Units: ASTM C 90.
2. Unit Compressive Strength: Provide units with minimum average net-area compressive strength of 1900 psi.
3. Weight Classification: Medium weight

2.3 BRICK

A. Face Brick: ASTM C 216

Below is based on net area, as in Table 1 in the 2002 MSJC Specification, rather than gross area reported by ASTM C 67.

1. Unit Compressive Strength: Provide units with minimum average net-area compressive strength of 3000 psi.
2. Initial Rate of Absorption: Less than 30 g/30 sq. in. per minute when tested per ASTM C 67.
3. Efflorescence: Provide brick that has been tested according to ASTM C 67 and is rated "not effloresced."
4. Match size and type of units specified for building facing.

2.4 CONCRETE PAVERS

A. Materials shall be manufactured by Belgard or approved equal.
B. Provide sizes, shapes and finishes specified on plans.

2.5 MORTAR AND GROUT MATERIALS

A. Portland Cement: ASTM C 150, Type I or II.
B. Hydrated Lime: ASTM C 207, Type S.
C. Masonry Cement: ASTM C 91.
D. Aggregate for Mortar: ASTM C 144.
5. For joints less than 1/4 inch thick, use aggregate graded with 100 percent passing the No. 16 sieve.
F. Water: Potable.

2.6 REINFORCEMENT

A. Uncoated Steel Reinforcing Bars: ASTM A 615/A 615M or ASTM A 996/A 996M, Grade 60

2.7 MASONRY CLEANERS

Verify acceptability of cleaner for cleaning masonry with pigmented mortar joints and for kinds of masonry units specified.

A. Proprietary Acidic Cleaner: Manufacturer's standard-strength cleaner designed for removing mortar/grout stains from new masonry without damaging masonry. Use product approved for intended use by cleaner manufacturer and manufacturer of masonry units being cleaned.

2.8 MORTAR AND GROUT MIXES

A. General: Do not use admixtures, unless otherwise indicated.
1. Do not use calcium chloride in mortar or grout.
2. Limit cementitious materials in mortar for exterior masonry to portland cement and lime, regardless of weather conditions, to ensure that mortar color is consistent.
B. Mortar for Unit Masonry: Comply with ASTM C 270, Proportion Specification.
C. Grout for Unit Masonry: Comply with ASTM C 476

2.9 GRANITE COBBLE

Granite Cobble: Shall be clean, unbroken granite river wash cobble, 6" to 12" in size or as indicated on plans and locally available.

PART 3 - EXECUTION

3.1 INSTALLATION, GENERAL

A. Use full-size units without cutting if possible. If cutting is required, cut units with motor-driven saws; provide clean, sharp, unchipped edges. Allow units to dry before laying unless wetting of units is specified. Install cut units with cut surfaces, where possible, concealed.
B. Select and arrange units for exposed unit masonry to produce a uniform blend of colors and textures. A simple test to determine if wetting is required consists of drawing a circle the size of a quarter on a brick and placing 20 drops of water in the circle; if water is absorbed within 1-1/2 minutes, the brick requires wetting.
C. Wetting of Brick: Wet brick before laying if initial rate of absorption exceeds 30 g/30 sq. in. per minute when tested per ASTM C 67. Allow units to absorb water so they are damp but not wet at time of laying.

3.2 LAYING MASONRY WALLS

A. Lay out walls in advance for accurate spacing of surface bond patterns with uniform joint thickness and for accurate location of openings, movement-type joints, returns, and offsets. Avoid using less-than-half-size units, particularly at corners, jambs, and, where possible, at other locations. All walls shall be installed level using string lines.
B. Pattern is usually running bond. Provide other bond patterns if required per plan.
C. Bond Pattern for Exposed Masonry: Unless otherwise indicated, lay exposed masonry in running bond; do not use units with less than nominal 4-inch (100-mm) horizontal face dimensions at corners or jambs.
D. Built-in Work: As construction progresses, build in items specified in this and other Sections. Fill in solidly with masonry around built-in items.
E. Fill space between steel frames and masonry solidly with mortar, unless otherwise indicated.
F. Fill cores in hollow concrete masonry units with grout 24 inches (600 mm) under bearing plates, beams, lintels, posts, and similar items, and where otherwise indicated. Fill all cores containing steel reinforcing.

3.3 REINFORCED UNIT MASONRY INSTALLATION

A. Temporary Formwork and Shores: Construct formwork and shores as needed to support reinforced masonry elements during construction.
B. Placing Reinforcement: Comply with requirements in ACI 530.1/ASCE 6/TMS 602.
C. Grouting: Do not place grout until entire height of masonry to be grouted has attained enough strength to resist grout pressure.
1. Comply with requirements in ACI 530.1/ASCE 6/TMS 602 for cleanouts and for grout placement, including minimum grout space and maximum pour height. ACI 530.1/ASCE 6/TMS 602 limits grout lifts to 60 inches (1500 mm) unless an accepted grout demonstration panel is used to establish alternative grout placement methods.
2. Limit height of vertical grout pours to not more than 60 inches.

3.4 CONCRETE PAVER INSTALLATION

A. Install base courses as detailed on plans and compact to 90% of max.
B. Install geotextile as required per drawings.
C. Install bedding course and pavers in pattern indicated.
D. Fill joints between pavers with specified sand.

**ABBREVIATIONS:**

AB	ANCHOR BOLT	EXT	EXTERIOR	PSI	POUNDS PER SQUARE INCH
ABV	ABOVE	FDN	FOUNDATION	PT	PLATE TRUSS
ADDL	ADDITIONAL	FF	FINISH FLOOR/	REIN	REINFORCEMENT
ADHES	ADHESIVE	FG	FIELD FASTENER	REQ	REQUIRE
ADJ	ADJACENT	FH	FINISH GRADE	REQD	REQUIRED
ALT	ALTERNATE	FN	FIELD NAILING	R&R	REMOVE AND REPLACE
AMP	AMPLITUDE	FL	FLOOR	SCHED	SCHEDULE
ARCH	ARCHITECT/	FLG	FLANGE	SD	SHORT DIRECTION
		FOC	FACE OF CONCRETE	SF	SQUARE FOOT
AVG	AVERAGE	FOS	FACE OF STUD	SHT	SHEET
BF	BOUNDARY FASTENER	FS	FAR SIDE/	SHTG	SHEATHING
BLDG	BUILDING	FT	FINISHED SURFACE	SIM	SIMILAR
BLKG	BLOCKING	FTG	FOOT/FEET	SMRF	SPECIAL MOMENT-RESISTING FRAME
BLW	BELOW	GA	GAGE	SN	SOLE PLATE NAILING
BM	BEAM	GALV	GALVANIZED	SOG	SLAB ON GRADE
BN	BOUNDARY NAILING	GRND	GROUND	SPCNG	SPACING
BOTT	BOTTOM	GRD	GRADE	SPEC	SPECIFICATION
BS	BOTH SIDES	GT	GIRDER TRUSS	SQ	SQUARE
BSMT	BASEMENT	HNGR	HANGER	SS	STAINLESS STEEL
BTWN	BETWEEN	HT	HEIGHT	STAGG	STAGGERED
BYND	BEYOND	HORIZ	HORIZONTAL	STD	STANDARD
CF	CUBIC FOOT	HS	HIGH STRENGTH	STIFF	STIFFENER
CIP	CAST IN PLACE	HSS	HOLLOW STRUCTURAL SECTION	STL	STEEL
CJ	CONTROL JOINT/	ID	INSIDE DIAMETER	STRUCT	STRUCTURAL
	CEILING JOIST	INFO	INFORMATION	SW	SHEARWALL
CL	CENTERLINE	INT	INTERIOR	SWO	SHEARWALL WITH OPENING
CLG	CEILING	INV	INVERTED	SYM	SYMMETRICAL
CLR	CLEAR	JT	JACK TRUSS	THK	THICK
CMTU	CONCRETE MASONRY UNIT	KP	KING POST	THRD	THREADED
CNTRSINK	COUNTERSINK/	KSI	KIPS PER SQUARE INCH	T&B	TOP AND BOTTOM
	COUNTERSUNK	LBS	POUNDS	TN	TOE NAILING
COL	COLUMN	LD	LONG DIRECTION	TOF	TOP OF FOOTING
CONC	CONCRETE	LG	LONG	TOP	TOP OF PODIUM
CONN	CONNECTION	LL	LIVE LOAD	TOS	TOP OF STEEL
CONST	CONSTRUCTION	LLH	LONG LEG HORIZONTAL	TL	TOP OF LEDGER
CONT	CONTINUOUS	LLV	LONG LEG VERTICAL	TOW	TOP OF WALL
CONTR	CONTRACTOR	LOC'S	LOCATIONS	TRANV	TRANSVERSE
COORD	COORDINATE	LT WT	LONGITUDINAL	TS	TUBE STEEL
CVR	COVER	MANUF	MANUFACTURER	TYP	TYPICAL
DIA	DIAMETER	MAX	MAXIMUM	UNO	UNLESS NOTED OTHERWISE
DIM	DIMENSION	MB	MACHINE BOLT	VERT	VERTICAL
DIR	DIRECTION	MD	METAL DECK	VIF	VERIFY IN FIELD
DIST	DISTANCE	MECH	MECHANICAL	WF	WIDE FLANGE BEAM
DL	DEAD LOAD	MEP	MECH/ELEC/PLUMBING	W/	WITH
DMG	DAMAGE	MIN	MINIMUM	WO	WITHOUT
DO	DO OVER	MISC	MISCELLANEOUS	WT	WEIGHT
DP	DEEP	MTL	METAL	WP	WORKING POINT
DS	DRAG STRUT	(N)	NEW	WWF	WELDED WIRE FABRIC
DSA	DEPARTMENT OF STATE	NOM	NOMINAL	WWO	WALL W/ OPENING & OR PERFORATED SHEARWALL
	ARCHITECTS	NS	NEAR SIDE/NELSON STUD		
DTL	DETAIL	NW	NORMAL WEIGHT		
DWG	DRAWING	OC	ON CENTER		
DWL	DOWEL	OD	OUTSIDE DIAMETER		
(E)	EXISTING	OH	OPPOSITE HAND		
EA	EACH	OPF	ORDINARY MOMENT FRAME		
EF	EACH FACE/	OPNG	OPENING		
EDGE	EDGE FASTENER	OPP	OPPOSITE		
ELEC	ELECTRICAL	PERIM	PERIMETER		
EN	ELEVATION	PERP	PERPENDICULAR		
EMB	EMBEDMENT	PL	PROPERTY LINE		
ENR	ENGINEER	PLF	POUNDS PER LINEAR FOOT		
ES	EDGE SCREW	PLT	PLATE		
EJ	EXPANSION JOINT	PSF	POUNDS PER SQUARE FOOT		
EQ	EQUAL				
EW	EACH WAY				

PSI	POUNDS PER SQUARE INCH
PT	PLATE TRUSS
REIN	REINFORCEMENT
REQ	REQUIRE
REQD	REQUIRED
R&R	REMOVE AND REPLACE
SCHED	SCHEDULE
SD	SHORT DIRECTION
SF	SQUARE FOOT
SHT	SHEET
SHTG	SHEATHING
SIM	SIMILAR
SMRF	SPECIAL MOMENT-RESISTING FRAME
SN	SOLE PLATE NAILING
SOG	SLAB ON GRADE
SPCNG	SPACING
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
STAGG	STAGGERED
STD	STANDARD
STIFF	STIFFENER
STL	STEEL
STRUCT	STRUCTURAL
SW	SHEARWALL
SWO	SHEARWALL WITH OPENING
SYM	SYMMETRICAL
THK	THICK
THRD	THREADED
T&B	TOP AND BOTTOM
TN	TOE NAILING
TOF	TOP OF FOOTING
TOP	TOP OF PODIUM
TOS	TOP OF STEEL
TL	TOP OF LEDGER
TOW	TOP OF WALL
TRANV	TRANSVERSE
TS	TUBE STEEL
TYP	TYPICAL
UNO	UNLESS NOTED OTHERWISE
VERT	VERTICAL
VIF	VERIFY IN FIELD
WF	WIDE FLANGE BEAM
W/	WITH
WO	WITHOUT
WT	WEIGHT
WP	WORKING POINT
WWF	WELDED WIRE FABRIC
WWO	WALL W/ OPENING & OR PERFORATED SHEARWALL

**SYMBOLS:**

∠	ANGLE
@	AT
⊕	CENTERLINE
⊥	PLATE/PROPERTY LINE
#	POUNDS
Ø	DIAMETER
∥	PARALLEL
∅	BAR DIAMETER

**FOUNDATION NOTES:**

- FOUNDATION DESIGN IS BASED ON THE SOIL INVESTIGATION REPORT BY: GEOTEK, INC. 1548 NORTH MAPLE ST. CORONA, CA 92783. DATE: JULY 29, 2025. PROJECT NO.: 4326-CR. PHONE NO.: (951) 710-1160.
- ALLOWABLE BEARING CAPACITY IS 2000PSF @ 12" MIN BELOW LOWEST ADJACENT GRADE.
- PRIOR TO THE CONTRACTOR REQUESTING A BUILDING DEPT FOUNDATION INSPECTION, THE SOILS ENGINEER SHALL ADVISE THE BUILDING OFFICIAL IN WRITING, THAT:
  - THE BUILDING PAD WAS PREPARED ACCORDING TO THE SOILS REPORT.
  - THE FOUNDATION EXCAVATIONS COMPLY WITH THE INTENT OF THE SOILS REPORT.
  - THE UTILITY TRENCHES HAVE BEEN PROPERLY BACK FILLED AND COMPACTED.
- THE SOILS REPORT IS AN INTEGRAL PART OF THE CONSTRUCTION DOCUMENTS. ANY INCONSISTENCIES OR CONFLICTS SHOULD BE BROUGHT TO OUR ATTENTION IMMEDIATELY, AND WAIT FOR OUR DIRECTION.
- REFERENCE THE SOILS REPORT FOR OVER EXCAVATION AND RECOMPACTION, AND OPTIMUM MOISTURE LEVEL INSTRUCTIONS.
- IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY FINAL GRADE ELEVATIONS, FOR MINIMUM FOOTING DEPTHS BELOW LOWEST ADJACENT GRADES AND MINIMUM COVERAGE OVER TOP OF FOOTINGS. ELEVATIONS OF FOOTINGS SHOWN ON THESE PLANS ARE ESTIMATES BASED ON THE INFORMATION AVAILABLE. FOOTING ELEVATIONS ARE SUBJECT TO CHANGE, AND ARE NOT FINAL TILL THE BUILDING PAD IS GRADED AND TRENCHES FOR FOOTINGS HAVE BEEN APPROVED BY THE SOILS ENGINEER OF RECORD.
- THE CONTRACTOR IS TO VERIFY IF THE SOILS ENGINEER REQUIRES ADDITIONAL TESTING AT THE COMPLETION OF GRADING OF THE BUILDING PAD.
- IF ADVERSE SOIL CONDITIONS ARE ENCOUNTERED, A SOILS INVESTIGATION REPORT MAY BE REQUIRED.
- PRIOR TO BEING DELIVERED TO THE SITE, ALL IMPORTED SOIL SHALL BE TESTED AND APPROVED BY THE SOILS ENGINEER FOR CORROSIIVITY AND SUITABILITY FOR THE FOUNDATION DESIGN.
- BACKFILL BEHIND ALL RETAINING WALLS SHALL BE FREE DRAINING PER RECOMMENDATIONS OF THE SOILS REPORT.
- EXCAVATION FOR ANY PURPOSE SHALL NOT REMOVE LATERAL SUPPORT FROM ANY FOUNDATION WITHOUT FIRST UNDERPINNING OR PROTECTING THE FOUNDATION AGAINST SETTLEMENT OR LATERAL TRANSLATION.
- THE EXCAVATION OUTSIDE THE FOUNDATION SHALL BE BACKFILLED WITH SOIL THAT IS FREE OF ORGANIC MATERIAL, CONSTRUCTION DEBRIS, COBBLES AND BOULDERS OR WITH A CONTROLLED LOW-STRENGTH MATERIAL (CLSM). THE BACKFILL SHALL BE PLACED IN LIFTS AND COMPACTED IN A MANNER THAT DOES NOT DAMAGE THE FOUNDATION OR THE WATERPROOFING OR DAMP PROOFING MATERIAL.
 

EXCEPTION: CLSM NEED NOT BE COMPACTED.
- THE GROUND IMMEDIATELY ADJACENT TO THE FOUNDATION SHALL BE SLOPED AWAY FROM THE BUILDING AT A SLOPE OF NOT LESS THAN ONE UNIT VERTICAL IN 20 UNITS HORIZONTAL (5-PERCENT SLOPE) FOR A MINIMUM DISTANCE OF 10 FEET (3048 MM) MEASURED PERPENDICULAR TO THE FACE OF THE WALL. IF PHYSICAL OBSTRUCTIONS OR LOT LINES PROHIBIT 10 FEET (3048 MM) OF HORIZONTAL DISTANCE, A 5-PERCENT SLOPE SHALL BE PROVIDED TO AN APPROVED ALTERNATIVE METHOD OF DIVERTING WATER AWAY FROM FOUNDATION. SWALES USED FOR THIS PURPOSE SHALL BE SLOPED A MINIMUM OF 2 PERCENT WHERE LOCATED WITHIN 10 FEET (3048 MM) OF THE BUILDING FOUNDATION. IMPERVIOUS SURFACES WITHIN 10 FEET (3048 MM) OF THE BUILDING FOUNDATION SHALL BE SLOPED A MINIMUM OF 2 PERCENT AWAY FROM THE BUILDING.
 

EXCEPTION: WHERE CLIMATIC OR SOIL CONDITIONS WARRANT, THE SLOPE OF THE GROUND AWAY FROM THE BUILDING FOUNDATION SHALL BE PERMITTED TO BE REDUCED TO NOT LESS THAN ONE UNIT VERTICAL IN 48 UNITS HORIZONTAL (2-PERCENT SLOPE). THE PROCEDURE USED TO ESTABLISH THE FINAL GROUND LEVEL ADJACENT TO THE FOUNDATION SHALL ACCOUNT FOR ADDITIONAL SETTLEMENT OF THE BACKFILL.
- SEE SOILS REPORT FOR ALLOWABLE TEMPORARY GRADES, VERTICAL CUTS, OR OPTIONS ON SLOT CUTTING DURING CONSTRUCTION.
- THE SOIL BEHIND RESTRAINED RETAINING WALLS CANNOT BE BACKFILLED TILL THE FLOORS USED FOR RESTRAINING ARE CURED AT LEAST 14 DAYS OR 75% OF SPECIFIED STRENGTH.

**SPECIAL INSPECTIONS:**

- SPECIAL INSPECTION U.N.O. BY A REGISTERED DEPUTY INSPECTOR APPROVED BY THE ARCHITECT AND/OR ENGINEER AND THE BUILDING DEPARTMENT SHALL BE EMPLOYED BY THE OWNER FOR THE FOLLOWING TYPES OF WORK:
  - ALL CONCRETE WORK IN ACCORDANCE WITH 2022 CBC SEC. 1705.3 AND TABLE 1705.3 WITH THE FOLLOWING EXCEPTIONS:
    - ISOLATED SPREAD CONCRETE FOOTINGS OF BUILDINGS THREE STORIES OR LESS ABOVE GRADE PLANE THAT ARE FULLY SUPPORTED ON EARTH OR ROCK.
    - CONTINUOUS CONCRETE FOOTINGS SUPPORTING WALLS OF BUILDINGS THREE STORIES OR LESS ABOVE GRADE PLANE THAT ARE FULLY SUPPORTED ON EARTH OR ROCK WHERE:
      - THE FOOTINGS SUPPORT WALLS OF LIGHT-FRAME CONSTRUCTION.
      - THE STRUCTURAL DESIGN OF THE FOOTING IS BASED ON A SPECIFIED COMPRESSIVE STRENGTH,  $f_c$  NOT MORE THAN 2500 PSI, REGARDLESS OF THE COMPRESSIVE STRENGTH SPECIFIED IN THE APPROVED CONSTRUCTION DOCUMENTS OR USED IN THE FOOTING CONSTRUCTION.
      - NONSTRUCTURAL CONCRETE SLABS SUPPORTED DIRECTLY ON THE GROUND, INCLUDING PRESTRESSED SLABS ON GRADE, WHERE THE EFFECTIVE PRESTRESS IN THE CONCRETE IS LESS THAN 150 PSI.
  - PERIODIC INSPECTION FOR SOILS IN SEISMIC DESIGN CATEGORIES D, E, AND F UNLESS CODE PRESUMPTIVE DESIGN CRITERIA IS USED.
  - ALL FOUNDATIONS DESIGNATED AS GRADE BEAMS, PIER FOOTINGS, OR PILES.
  - ALL WELDING, (EXCEPTIONS: WELDING DONE IN AN APPROVED FABRICATOR'S SHOP IN ACCORDANCE WITH AWS D1.1), ONLY PERIODIC INSPECTION IS REQUIRED FOR SINGLE PASS FILLET WELDS LESS THAN 9/16"; FLOOR AND ROOF DECK WELDS, WELDED STUDS ON A METAL DECK SYSTEM, WELDED COLD FOR STEEL, STAIRS, AND RAILING.
  - ALL POST INSTALLED CONCRETE OR MASONRY ANCHORS SUCH AS CHEMICAL AND MECHANICAL ANCHORS WITH THE FOLLOWING EXCEPTIONS:
    - WHERE THE DESIGN TENSION ON THE ANCHOR IS LESS THAN 100 POUNDS AND THOSE ANCHORS ARE CLEARLY NOTED ON THE APPROVED CONSTRUCTION DOCUMENTS.
    - WHERE THE ANCHORS ARE SHEAR DOWELS ACROSS COLD JOINTS IN SLABS ON GRADE WHERE THE SLAB IS NOT PART OF THE LATERAL FORCE-RESISTING SYSTEM.
  - ALL WORK INVOLVING HIGH STRENGTH, AND OR SLIP CRITICAL BOLTS.
  - ALL WORK INVOLVING POST-TENSIONING.
  - SEE C.B.C. VOL. II, SECTION 1704 FOR ADDITIONAL REQUIREMENTS. DEPUTY INSPECTION MAY BE WAIVED FOR WORK THAT IS MINOR IN NATURE AS INTERPRETED BY THE BUILDING OFFICIAL.
- THE SPECIAL INSPECTOR SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE BUILDING OFFICIAL, FOR INSPECTION OF THE PARTICULAR TYPE OF CONSTRUCTION OR OPERATION REQUIRING SPECIAL INSPECTION. THE SPECIAL INSPECTOR SHALL OBSERVE THE WORK ASSIGNED FOR CONFORMANCE TO THE APPROVED DESIGN DRAWINGS AND SPECIFICATIONS. THE SPECIAL INSPECTOR SHALL FURNISH INSPECTION REPORTS TO THE BUILDING OFFICIAL, THE ENGINEER OR ARCHITECT OF RECORD, AND OTHER DESIGNATED PERSONS. ALL DISCREPANCIES SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE CONTRACTOR FOR CORRECTION. THEN, IF UNCORRECTED, TO THE PROPER DESIGN AUTHORITY AND TO THE BUILDING OFFICIAL. THE SPECIAL INSPECTOR SHALL SUBMIT A FINAL SIGNED REPORT STATING WHETHER THE WORK REQUIRING SPECIAL INSPECTION WAS, TO THE BEST OF THE INSPECTOR'S KNOWLEDGE, IN CONFORMANCE TO THE APPROVED PLANS AND SPECIFICATIONS AND THE APPLICABLE WORKMANSHIP PROVISIONS OF THE CODE PRIOR TO THE ISSUANCE OF THE CERTIFICATE OF OCCUPANCY. EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF A MAIN WIND-OR SEISMIC-FORCE-RESISTING SYSTEM, DESIGNATED SEISMIC SYSTEM OR A WIND-OR SEISMIC-RESISTING SYSTEM LISTED IN THE STATEMENT OF SPECIAL INSPECTION SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE BUILDING OFFICIAL AND THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON THE SYSTEM OR COMPONENT. THE CONTRACTOR'S STATEMENT OF RESPONSIBILITY SHALL CONTAIN THE FOLLOWING:
  - ACKNOWLEDGMENT OF AWARENESS OF THE SPECIAL REQUIREMENTS CONTAINED IN THE STATEMENT OF SPECIAL INSPECTIONS.
  - ACKNOWLEDGMENT THAT CONTROL WILL BE EXERCISED TO OBTAIN CONFORMANCE WITH CONSTRUCTION DOCUMENTS APPROVED BY THE BUILDING OFFICIAL.
  - PROCEDURES FOR EXERCISING CONTROL WITHIN THE CONTRACTOR'S ORGANIZATION, THE METHOD AND FREQUENCY OF REPORTING AND THE DISTRIBUTION OF THE REPORTS; AND
  - IDENTIFICATION AND QUALIFICATION OF THE PERSON(S) EXERCISING SUCH CONTROL AND THEIR POSITION(S) IN THE ORGANIZATION.

**DESIGN CRITERIA:**

(CBC 2022) BUILDING CODE

- ROOF LIVE LOAD= 20 PSF [1603.1.2 CBC] ROOFING MATERIAL DEAD LOAD= 3 PSF
- ROOF TOTAL DEAD LOAD= 12 PSF
- [1603.1.4 CBC] WIND DESIGN DATA:
  - BASIC WIND SPEED (3-SEC GUST) = 95 MPH
  - WIND RISK CATEGORY = II
  - WIND EXPOSURE(S) = C
- [1603.1.5 CBC] EARTHQUAKE DESIGN DATA:
  - SEISMIC IMPORTANCE FACTOR  $I_p$  = 1.0
  - SEISMIC RISK CATEGORY = II
  - MAPPED SPECTRAL RESPONSE ACCELERATIONS,  $S_{ps}$  = 1.893g &  $S_{ps}$  = 0.699g
  - SOIL SITE CLASS = D
  - BASIC SEISMIC FORCE RESISTING SYSTEM(S) = ORDINARY CANTILEVER STEEL COLUMN
  - SPECTRAL RESPONSE COEFFICIENTS,  $S_{ps}$  = 1.262g
  - SEISMIC DESIGN CATEGORY = D
  - DESIGN BASE SHEAR  $V_u$  = 0.8000W
  - SEISMIC RESPONSE COEFFICIENT(S),  $C$  = 0.8000
  - RESPONSE MODIFICATION FACTOR(S),  $R$  = 1.25
  - ANALYSIS PROCEDURE USED: EQUIVALENT LATERAL FORCE PROCEDURE
  - REDUNDANCY FACTOR,  $p$  = 1.3

**GENERAL STRUCTURAL NOTES:**

- THIS DOCUMENT IS AN INSTRUMENT OF PROFESSIONAL SERVICE PREPARED BY RGSE INC. ALTERATION OF THIS DOCUMENT BY ANY PARTY OTHER THAN RGSE INC. IS A VIOLATION OF LAW THAT WILL BE PROSECUTED TO ITS FULLEST EXTENT.
- THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS & CONDITIONS AT THE JOB SITE PRIOR TO STARTING CONSTRUCTION AND THE ARCHITECT/ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES, INCONSISTENCIES, OR ISSUES WITH CONSTRUCTION.
- AT ANY DISCREPANCIES OR CONFLICTS BETWEEN PLAN AND ELEVATION DIMENSIONS SHOWN ON THE ARCHITECTURAL DRAWINGS AND THE STRUCTURAL DRAWINGS, THE ARCHITECTURAL DIMENSIONS SHALL GOVERN. IF ANY OF THESE DIMENSIONS DIFFER BY MORE THAN 5%, THE ENGINEER SHALL BE NOTIFIED OF THE CONFLICT AND THE CONTRACTOR SHALL WAIT FOR INSTRUCTIONS.
- THE CONTRACT CONSTRUCTION DRAWINGS AND SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. UNLESS OTHERWISE NOTED, THEY DO NOT INDICATE THE METHOD OF CONSTRUCTION. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKMEN, AND OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT LIMITED TO: BRACING, ALL SHORING, FORMS, AND SCAFFOLDING.
- OPENINGS, POCKETS, ETC. SHALL NOT BE PLACED IN SLABS BEAMS, COLUMNS, WALLS, ETC., UNLESS SPECIFICALLY DETAILED ON THE STRUCTURAL DRAWINGS.
- ALL ASTM SPECIFICATIONS NOTED ON THESE DRAWINGS SHALL BE OF THE LATEST REVISION.
- IN THE EVENT THAT CERTAIN FEATURES OF CONSTRUCTION ARE NOT FULLY SHOWN ON THE DRAWINGS OR CALLED FOR IN THE NOTES OR SPECIFICATIONS, NOTIFY THE ARCHITECT/ENGINEER IMMEDIATELY & WAIT FOR INSTRUCTIONS.
- COST OF ADDITIONAL DESIGN WORK NECESSITATED BY SELECTION OF AN OPTION NOT DUE TO ERRORS OR OMISSIONS IN CONSTRUCTION, SHALL BE BORN BY THE CONTRACTOR.
- WHERE DESIGN AND DETAILS OF PLATE GIRDERS, TRUSSES, ETC., IS TO BE PROVIDED BY FABRICATOR, CONTRACTOR SHALL SUBMIT CALCULATIONS PREPARED BY A CIVIL OR STRUCTURAL ENGINEER, TO THE ENGINEER AND TO THE BUILDING DEPARTMENT FOR REVIEW PRIOR TO FABRICATION.
- UNLESS AN ITEM ON THE PLANS OR DETAILS IS SPECIFICALLY MARKED AS AN EXISTING ITEM, THE CONTRACTOR IS TO ASSUME THAT IT IS NEW, AND INCLUDE IT IN THE CONSTRUCTION BUDGET.
- WHERE SOIL REPORTS ARE REFERENCED, THEIR REQUIREMENTS ADOPTED HEREIN.
- ALL MANUFACTURED PRODUCTS MUST BE INSTALLED PER MANUFACTURER'S RECOMMENDATION.
- WHILE EVERY REASONABLE EFFORT HAS BEEN MADE TO PROVIDE A BUILDABLE SET OF CONTRACT DOCUMENTS WITH MINIMAL ERRORS OR OMISSIONS, THE CONTRACTOR ACKNOWLEDGES AND UNDERSTANDS THAT THE CONTRACT DOCUMENTS MAY REPRESENT IMPERFECT DATA AND MAY CONTAIN ERRORS, OMISSIONS, CONFLICTS, INCONSISTENCIES, CODE VIOLATIONS AND IMPROPER USE OF MATERIALS. SUCH DEFICIENCIES WILL BE CORRECTED BY THE ARCHITECT OR HIS/HER CONSULTANTS WHEN IDENTIFIED. THE CONTRACTOR AGREES TO CAREFULLY STUDY AND COMPARE THE INDIVIDUAL CONTRACT DOCUMENTS AND REPORT AT ONCE IN WRITING TO THE ARCHITECT ANY DEFICIENCIES THE CONTRACTOR MAY DISCOVER. THE CONTRACTOR FURTHER AGREES TO REQUIRE EACH SUBCONTRACTOR TO LIKEWISE STUDY THE DOCUMENTS AND TO REPORT AT ONCE ANY DEFICIENCIES DISCOVERED. THE CONSULTANT AND ARCHITECT, TOGETHER WITH CONTRACTOR SHALL RESOLVE ALL REPORTED DEFICIENCIES PRIOR TO STARTING ANY WORK. ANY QUESTIONABLE WORK PERFORMED PRIOR TO RESOLUTION OF CONFLICTS OR ERRORS OR FURTHER CLARIFICATION FROM THE ARCHITECT WILL BE DONE AT THE CONTRACTOR'S RISK.
- OPTIONS, IF PROVIDED HEREIN, ARE FOR CONTRACTOR'S CONVENIENCE. HE SHALL BE RESPONSIBLE FOR ALL CHANGES NECESSARY, SHALL COORDINATE ALL DETAILS, AND SHALL OBTAIN ALL REQUIRED APPROVALS.
- ANY MECHANICAL AND ELECTRICAL EQUIPMENT, STORAGE RACKS, SAFES, AND ANY OBJECT EXPECTED TO BE IN THE BUILDING THAT HAS AN OPERATIONAL WEIGHT (FULLY LOADED) GREATER THEN 400 LB. FLOOR OR ROOF MOUNTED, OR GREATER THEN 200 LB. SUSPENDED FROM A FLOOR, CEILING OR WALL SHALL BE SHOWN ON THESE DRAWINGS. IF THEY ARE NOT SHOWN ON THESE DRAWINGS, THEY SHALL BE BROUGHT TO THE ATTENTION OF THE STRUCTURAL ENGINEER, AND A CUT SHEET FOR THE SPECIFIC ITEM SHALL BE MADE AVAILABLE.
- THE DEFERRED SUBMITTAL ITEMS SHALL BE SUBMITTED TO THE ARCHITECT OR ENGINEER OF RECORD WHO SHALL REVIEW THE SUBMITTALS, AND FORWARD THEM TO THE BUILDING OFFICIAL WITH A NOTATION INDICATING THAT THE DEFERRED SUBMITTAL DOCUMENTS HAVE BEEN REVIEWED AND APPROVED AND THAT THEY HAVE BEEN FOUND TO BE IN GENERAL CONFORMANCE WITH THE DESIGN OF THE BUILDING. THE DEFERRED SUBMITTAL ITEMS SHALL NOT BE INSTALLED UNTIL THEIR DESIGN AND SUBMITTAL DOCUMENTS HAVE BEEN APPROVED BY THE BUILDING OFFICIAL. PROVIDE AMPLI TIME FOR THE BUILDING OFFICIAL TO REVIEW THE DOCUMENTS.
- CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING SHALL BE IN CONFORMANCE WITH THE REQUIREMENTS OF THE LATEST ADOPTED CALIFORNIA GREEN BUILDING CODE.
- CONTRACTOR IS TO VERIFY THAT NO EXISTING STEEL REINFORCING, OR TENSION CABLES ARE DAMAGED WHEN INSTALLING POST INSTALLED WEDGE OR CHEMICAL ANCHORS. MECHANICAL ANCHORS ARE ONLY APPROVED FOR INTERIOR DRY USE, OTHERWISE CHEMICAL ANCHORS MUST BE USED.
- ENHANCED DURABILITY AND REDUCE MAINTENANCE. RODENT PROOFING. ANNULAR SPACES AROUND PIPED, ELECTRIC CABLES, CONDUITS OR OTHER OPENINGS IN SOLE/BOTTOM PLATES AT EXTERIOR WALLS SHALL BE PROTECTED AGAINST THE PASSAGE OF RODENTS BY CLOSING SUCH OPENINGS WITH CEMENT MORTAR, CONCRETE MASONRY OR A SIMILAR METHOD ACCEPTABLE TO THE ENFORCING AGENCY.
- WHERE SEISMIC GAPS ARE SPECIFIED, THE GAP SHALL BE DEFINED AS THE DISTANCE BETWEEN ARCHITECTURAL FINISH TO FINISH, COMPRESSIBLE MATERIALS MAY BE PLACED IN SEISMIC GAPS. DUE TO SUPPLY CHAIN INTERRUPTIONS, AND THE COMPLEXITY OF PREDICTING THEM, THE CONTRACTOR SHALL REVIEW THE SPECIFICATIONS, ANY KNOWN EVAL ALTERNATIVE MATERIALS AND PRODUCTS SHALL BE SUBMITTED TO THE ARCH AND EOR FOR REVIEW AND APPROVAL, TO AVOID UNREASONABLE COST INCREASES, AND/OR CONSTRUCTION DELAYS.

**CALL BEFORE YOU DIG:**

ONE EASY PHONE CALL TO 811 STARTS THE PROCESS TO GET YOUR UNDERGROUND PIPELINES AND UTILITY LINES MARKED FOR FREE. WHEN YOU CALL 811 FROM ANYWHERE IN THE COUNTRY, YOUR CALL WILL BE ROUTED TO YOUR STATE ONE-CALL CENTER. ONCE YOUR UNDERGROUND LINES HAVE BEEN MARKED FOR YOUR PROJECT, YOU WILL KNOW THE APPROXIMATE LOCATION OF YOUR PIPELINES AND UTILITY LINES, AND CAN DIG SAFELY. MORE INFORMATION REGARDING 811 CAN BE FOUND AT [www.call811.com](http://www.call811.com)

**STRUCTURAL OBSERVATION:**

PROGRAM NOT INCLUDED BECAUSE THIS PROJECT IS NOT REQUIRED BY ANY OF CBC SECTIONS BELOW:

**1704.6.1 STRUCTURAL OBSERVATIONS FOR STRUCTURES.**

STRUCTURAL OBSERVATIONS SHALL BE PROVIDED FOR THOSE STRUCTURES WHERE ONE OR MORE OF THE FOLLOWING CONDITIONS EXIST:

- THE STRUCTURE IS CLASSIFIED AS RISK CATEGORY III OR IV.
- THE STRUCTURE IS A HIGH-RISE BUILDING.
- THE STRUCTURE IS ASSIGNED TO SEISMIC DESIGN CATEGORY E, AND IS GREATER THAN TWO STORIES ABOVE THE GRADE PLANE.
- SUCH OBSERVATION IS REQUIRED BY THE REGISTERED DESIGN PROFESSIONAL RESPONSIBLE FOR THE STRUCTURAL DESIGN.
- SUCH OBSERVATION IS SPECIFICALLY REQUIRED BY THE BUILDING OFFICIAL.

ADG JOB #2520

**VERIFY SCALES**  
BAR IS ONE INCH ON ORIGINAL DRAWING

0 ————— 1

IF NOT ONE INCH ON THIS SHEET,  
ADJUST SCALES ACCORDINGLY

**DIGALERT**

DIAL TOLL FREE  
**1-800-227-2600**  
AT LEAST TWO DAYS BEFORE YOU DIG

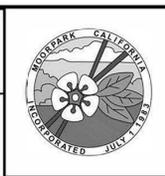
UNDERGROUND SERVICE ALERT (USA) OF SOUTHERN CALIFORNIA

6					
5					
4					
3					
2					
1					
Δ	DESCRIPTION OF REVISION	R.C.E.	APP'D	DATE	

PREPARED BY:

**RGSE inc.**  
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DESIGNED BY:	<b>RGSE, Inc</b>	ENGINEERING REVIEWED BY: DANIEL KIM
DRAWN BY:	<b>AC</b>	CITY ENGINEER C70701 PE NO. 06/30/2027 EXPIRATION DATE
CHECKED BY:	<b>AL</b>	DESIGN REVIEWED BY: JEREMY LAURENTOWSKI
APPROVED BY:	<b>DK</b>	PARKS & RECREATION DIRECTOR 4/28/2027 PLA NO. EXPIRATION DATE



**CITY OF MOORPARK**

**PUBLIC WORKS DEPARTMENT**

**ENGINEERING DIVISION**

SPEC NO.	
MPK 26-03	
CIP NO.	
C0083	

HIGH STREET BUS SHELTER IMPROVEMENT PROJECT

467 E. HIGH STREET

**GENERAL NOTES**

S-0.1	
SHEET <b>9</b>	
OF <b>12</b>	
DRAWING NO.	26-ML-11127

**STRUCTURAL STEEL:**

- NON-SHRINK GROUTS OR DRY-PACKS SHALL BE 6000 PSI MIN. ASTM C109 W/ SPECIAL INSPECTION REQUIRED TYP. BASE PLATES SHALL BE GROUTED PRIOR TO PLACEMENT OF CONCRETE ON ANY UPPER FLOORS.
- ALL ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) SHALL MEET THE MINIMUM SPECIFICATIONS IN THE AISC CODE OF STANDARD PRACTICE CHAPTER 10 UNLESS NOTED OTHERWISE ON THE ARCHITECTURAL DRAWINGS.
- WHEN CURVING HSS SECTION, INCREASE WALL THICKNESS AS REQUIRED TO AVOID WALL CURLING.
- DEMAND CRITICAL WELDS:  
WELDS DESIGNATED AS DEMAND CRITICAL SHALL BE MADE WITH FILLER METALS MEETING THE REQUIREMENTS SPECIFIED IN AWS D1.8M CLAUSE 6.3.

USER NOTE: AWS D1.8/D1.8M REQUIRES THAT ALL SEISMIC FORCE RESISTING SYSTEM WELDS ARE TO BE MADE WITH FILLER METALS CLASSIFIED USING AWS AS STANDARDS THAT ACHIEVE THE FOLLOWING MECHANICAL PROPERTIES:

PROPERTY	CLASSIFICATION	
	70 KSI (480 MPa)	80 KSI (550 MPa)
YIELD STRENGTH, KSI (MPa)	58 (400) MIN.	68 (470) MIN.
TENSILE STRENGTH, KSI (MPa)	70 (480) MIN.	80 (550) MIN.
ELONGATION, %	22 MIN.	19 MIN.
CVN TOUGHNESS, ft-lb (J)	20 (27) MIN. @ 0°F (-18°C) <sub>a</sub>	

a. FILLER METALS CLASSIFIED AS MEETING 20 ft-lb (27 J) MIN. AT A TEMPERATURE LOWER THAN 0°F (-18°C) ALSO MEET THIS REQUIREMENT.

IN ADDITION TO THE ABOVE REQUIREMENTS, AWS D1.8/D1.8M REQUIRES, UNLESS OTHERWISE EXEMPTED FROM TESTING, THAT ALL DEMAND CRITICAL WELDS ARE TO BE MADE WITH FILLER METALS RECEIVING HEAT INPUT ENVELOPE TESTING THAT ACHIEVE THE FOLLOWING MECHANICAL PROPERTIES IN THE WELD METAL:

PROPERTY	CLASSIFICATION	
	70 KSI (480 MPa)	80 KSI (550 MPa)
YIELD STRENGTH, KSI (MPa)	58 (400) MIN.	68 (470) MIN.
TENSILE STRENGTH, KSI (MPa)	70 (480) MIN.	80 (550) MIN.
ELONGATION, %	22 MIN.	19 MIN.
CVN TOUGHNESS, ft-lb (J)	40 (54) MIN. @ 70°F (20°C) <sub>b, c</sub>	

b. FOR LAST OF +50°F (+10°C). FOR LAST LESS THAN +50°F (+10°C), SEE AWS D1.8/D1.8M SUB-CLAUSE 6.3.6.

c. TESTS CONDUCTED IN ACCORDANCE WITH AWS D1.8/D1.8M ANNEX A MEETING 40 ft-lb (54 J) MIN. AT A TEMPERATURE LOWER THAN +70°F (+20°C) ALSO MEET THIS REQUIREMENT.

- STRUCTURAL STEEL H-PILES AND STRUCTURAL STEEL SHEET PILING SHALL CONFORM TO THE MATERIAL REQUIREMENTS IN ASTM A6. STEEL PIPE PILES SHALL CONFORM MATERIAL REQUIREMENTS IN ASTM A252. FULLY WELDED STEEL PILES SHALL BE FABRICATED FROM PLATES THAT CONFORM TO THE MATERIAL REQUIREMENTS IN ASTM A36, ASTM A289, ASTM A572, ASTM A588 OR ASTM A690.
- ANCHOR ROD HOLES IN BASE PLATES:  
A. ANCHOR ROD HOLES IN BASE PLATES W/O WASHER PLATES, MAXIMUM HOLE SIZE SHALL BE THE ANCHOR DIAMETER +1/8" MAX.  
B. ANCHOR ROD HOLES IN BASE PLATES W/ WASHER PLATES:

MAXIMUM SIZES FOR ANCHOR-ROD HOLES IN BASE PLATES							
ANCHOR ROD DIAMETER, IN.	MAX. HOLE DIAMETER, IN.	MIN. WASHER SIZE, IN.	MIN. WASHER THICKNESS	ANCHOR ROD DIAMETER, IN.	MAX. HOLE DIAMETER, IN.	MIN. WASHER SIZE, IN.	MIN. WASHER THICKNESS
3/4"	1 1/16"	2	1/4"	1 1/2"	2 1/16"	3 1/2"	1/2"
1"	1 3/16"	2 1/2"	3/8"	1 3/4"	2 3/8"	4	3/4"
1 1/4"	1 7/16"	3	1/2"	2	3 1/8"	5	3/4"
1 1/2"	2 1/16"	3	1/2"	2 1/2"	3 3/8"	5 1/2"	3/4"

- NOTES:  
1. CIRCULAR OR SQUARE WASHERS MEETING THE WASHER SIZE ARE ACCEPTABLE.  
2. CLEARANCE MUST BE CONSIDERED WHEN CHOOSING AN APPROPRIATE ANCHOR ROD HOLE LOCATION, NOTHING EFFECTS SUCH AS THE POSITION OF THE ROD IN THE HOLE WITH RESPECT TO THE COLUMN, WELD SIZE AND OTHER INTERFERENCES.  
3. WHEN BASE PLATES ARE LESS THAN 1/4" IN. THICK, PUNCHING OF HOLES MAY BE AN ECONOMICAL OPTION. IN THIS CASE, 3/4" IN. ANCHOR RODS AND 1/4" IN. DIAMETER PUNCHED HOLES MAY BE USED WITH ASTM F344 (USS STANDARD) WASHERS IN PLACE OF FABRICATED PLATE WASHERS.  
4. FOR USE AT JRS MEMBERS, WELDING OF WASHER 1 TO BASE IS REQUIRED. (FILLET WELD = WASHER 1 THK + 1/8" IN. U.N.O. SUBJECT TO E.O.R. APPROVAL.)

**REINFORCED CONCRETE NOTES CONT.:**

- MINIMUM COVER FOR MAIN REINFORCING BARS OF REINFORCED CONCRETE BEAMS\* (APPLICABLE TO ALL TYPES OF STRUCTURAL CONCRETE)

BEAM WIDTH <sup>a</sup> (inches)	FIRE-RESISTING RATING (HOURS)				
	1 HR	1 1/2 HR	2 HR	3 HR	4 HR
5	3/4"	1"	1 1/4"	-	-
7	3/4"	3/4"	3/4"	1 1/4"	3"
≥ 10	3/4"	3/4"	3/4"	1"	1 1/4"

S1: 1 INCH = 25.4mm 1 FOOT = 304.8mm  
a. FOR BEAM WIDTHS BETWEEN THE TABULATED VALUES, THE MINIMUM COVER THICKNESS CAN BE DETERMINED BY DIRECT INTERPOLATION.  
b. THE COVER FOR AN INDIVIDUAL REINFORCING BAR IS THE MINIMUM THICKNESS OF CONCRETE BETWEEN THE SURFACE OF THE BAR AND THE FIRE-EXPOSED SURFACE OF THE BEAM. FOR BEAMS IN WHICH SEVERAL BARS ARE USED, THE COVER FOR THE CORNER BARS USED IN THE CALCULATION SHALL BE REDUCED TO ONE-HALF OF THE ACTUAL VALUE. THE COVER FOR AN INDIVIDUAL BAR MUST BE NOT LESS THAN ONE-HALF OF THE VALUE GIVEN IN TABLE 722.2.3 (3) NOR LESS THAN 3/4" INCH.

- TABLE 722.2.4 MINIMUM DIMENSION OF CONCRETE COLUMNS (INCHES)

FIRE-RESISTING RATING (HOURS)				
1 HR	1 1/2 HR	2 <sup>b</sup> HR	3 <sup>b</sup> HR	4 <sup>b</sup> HR
8	9	10	12	14

S1: 1 INCH = 25mm  
a. THE MINIMUM DIMENSION IS PERMITTED TO BE REDUCED TO 8 INCHES FOR RECTANGULAR COLUMNS WITH TWO PARALLEL SIDES NOT LESS THAN 36 INCHES IN LENGTH.  
b. THE MINIMUM DIMENSION IS PERMITTED TO BE REDUCED TO 10 INCHES FOR RECTANGULAR COLUMNS WITH TWO PARALLEL SIDES NOT LESS THAN 36 INCHES IN LENGTH.

- 722.2.4.2 COVER FOR REINFORCED CONCRETE COLUMNS:  
THE MINIMUM THICKNESS OF CONCRETE COVER TO THE MAIN LONGITUDINAL REINFORCEMENT IN COLUMNS, REGARDLESS OF THE TYPE OF AGGREGATE USED IN THE CONCRETE AND THE SPECIFIED COMPRESSIVE STRENGTH OF CONCRETE,  $f_c$ , SHALL BE NOT LESS THAN 1 INCH (25mm) TIMES THE NUMBER OF HOURS OF REQUIRED FIRE RESISTANCE OR 2 INCHES (51mm), WHICHEVER IS LESS.

**STRUCTURAL STEEL:**

- STRUCTURAL STEEL:  
PROVIDE STRUCTURAL STEEL COMPLYING WITH THE FOLLOWING ASTM STANDARD SPECIFICATIONS, UNLESS NOTED OTHERWISE:  
ANGLES AND CHANNELS..... ASTM A36  
PLATES..... ASTM A36  
PIPES..... ASTM A53, GRADE B (35 KSI)  
HOLLOW STRUCTURAL SECTIONS..... ASTM A500, GRADE B (42 KSI)  
STRUCTURAL STEEL NOTED THUS (S0)..... ASTM A572 OR A992, GRADE 50  
ANCHOR BOLTS / THREADED ROD..... ASTM F1554, GRADE 36 U.N.O.  
BOLTS (SS)..... ASTM F593  
BOLTS..... ASTM F3125 GR A325  
REINFORCING STEEL..... SEE REINFORCING STEEL SECTION  
ALL STIFFENER PLATES, GUSSETS, AND BASE PLATES PART OF A MOMENT FRAME OR BRACE FRAME..... ASTM A-572, GRADE 50

WHERE NOTED ON PLANS AS (SS), SHALL BE STAINLESS STEEL, ASTM A709 GRADE 50R. STAINLESS STEEL MECHANICAL TUBING SHALL BE PER ASTM A554 STANDARD SPECIFICATION, AND ALL STAINLESS BARS AND SHAPES SHALL BE PER ASTM A276 STANDARD SPECIFICATIONS.

FURNISH READILY IDENTIFIABLE STRUCTURAL STEEL COMPLYING WITH CBC 2203.

- HIGH STRENGTH BOLTS, NUTS, AND WASHERS:  
A. TYPE: PROVIDE HIGH STRENGTH BOLTS, NUTS, AND WASHERS COMPLYING WITH ASTM A325, UNLESS NOTED OTHERWISE. HIGH STRENGTH BOLTS SHALL BE BEARING WITH THREADS INDICATED IN SHEAR PLANS. UNLESS NOTED OTHERWISE, PROVIDE SLIP-CRITICAL HIGH STRENGTH BOLTS (A325-SC) FOR SEISMIC MOMENT FRAME BEAM-TO-COLUMN CONNECTIONS, UNLESS NOTED OTHERWISE.  
B. INSTALLATION: INSTALL HIGH STRENGTH BOLTS COMPLYING WITH "SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS" AND CBC SECTION 2204.2.  
C. TIGHTENING: TIGHTEN A325-N BOLTS TO A SNUG TIGHT CONDITION. TIGHTEN A325-SC BOLTS TO AT LEAST THE MINIMUM TENSION INDICATED IN ONE OF THE FOLLOWING METHODS: TURN-OF-NUT CALIBRATED WRENCH, OR DIRECT TENSION INDICATOR TIGHTENING, WHERE "PRETENSIONED" IS SPECIFIED, APPLY TIGHTENING PER A325-SC BUT SURFACE PREPARATION IS NOT REQUIRED.
- WELDING:  
A. WELDING STANDARD: AWS D1.1 AND AISC 360 (AWS D1.8 AND AISC 341 FOR SEISMIC FORCE RESISTING SYSTEM)  
B. WELDING PROCESS: WELDING PROCEDURES ARE "MEANS AND METHODS" SELECTED BY THE CONTRACTOR FROM AN APPROVED PROCEDURE IN THE AWS D1.1.  
C. PRE-QUALIFIED & NON PRE-QUALIFIED WELDS: WELDS SHALL BE PRE-QUALIFIED COMPLYING WITH WELDING STANDARD. WHERE NON PRE-QUALIFIED WELDS ARE SPECIFICALLY INDICATED, QUALIFY BY TESTING AND PROCEDURE QUALIFICATION TEST RECORD COMPLYING WITH WELDING STANDARD.  
D. WELDER CERTIFICATION: WELDERS SHALL BE CERTIFIED AS REQUIRED BY GOVERNING CODE AUTHORITY.  
E. SHOP WELDING INCLUDING ULTRASONIC TESTING OF COMPLETE PENETRATION GROOVE WELDS WELDED IN SHOP: PERFORM ON PREMISES OF AN APPROVED FABRICATOR COMPLYING WITH CBC SECTION 1704.2.5.1.  
F. MINIMUM FILLET WELD SIZE: PROVIDE MINIMUM FILLET WELD COMPLYING WITH AISC 360 SECTION J2 AND TABLE J2.4 UNLESS A LARGER WELD IS INDICATED ON DRAWINGS.  
G. SHOP AND FIELD WELDING INDICATION ON DRAWINGS: NO ATTEMPT IS MADE TO DIFFERENTIATE BETWEEN SHOP AND FIELD WELDED CONNECTIONS.
- WELD INSPECTION:  
A. LEAD WELDING INSPECTOR CERTIFICATION: LEAD WELDING INSPECTOR SHALL BE A CERTIFIED WELDING INSPECTOR (CWI) COMPLYING WITH AWS-OC1 STANDARDS, SHALL BE RECOGNIZED BY THE BUILDING OFFICIAL AS A REGISTERED DEPUTY INSPECTOR FOR STRUCTURAL STEEL WELDING (ICC CERTIFICATION) AND SHALL POSSES A MINIMUM LEVEL OF UT LEVEL II CERTIFICATION.  
B. OTHER WELDING INSPECTORS: WELDING INSPECTORS PERFORMING VISUAL INSPECTION UNDER THE SUPERVISION OF THE LEAD WELDING INSPECTOR SHALL POSSES ICC CERTIFICATION, AND PERSONS PERFORMING NON-DESTRUCTIVE TESTING SHALL POSSES UT LEVEL II CERTIFICATION. FOUR NON-CERTIFIED WELDING INSPECTORS MAXIMUM SHALL BE UNDER THE SUPERVISION OF A CWI.  
C. WELD INSPECTIONS: PROVIDE WELD INSPECTIONS AS REQUIRED BY CBC SECTION 1705.2 AND AISC 360 CHAPTER N (AISC 341 CHAPTER J FOR SEISMIC FORCE RESISTING SYSTEM). SEE STATEMENT OF SPECIAL INSPECTION AND QUALITY ASSURANCE SECTION.
- THE STRUCTURAL STEEL FABRICATOR SHALL FURNISH SHOP DRAWINGS OF ALL STEEL FOR THE ENGINEERS REVIEW PRIOR TO FABRICATION. ALL STEEL FABRICATION SHALL BE PERFORMED IN A SHOP APPROVED BY THE BUILDING DEPARTMENT.
- SHOP AND FIELD WELDING SHALL BE PROTECTED BY FIREPROOFING. ALL STEEL SHALL BE PRIMED UNLESS NOTED OTHERWISE ON THE DRAWINGS. PAINTING OF STRUCTURAL STEEL MEMBERS SHALL COMPLY WITH THE REQUIREMENTS CONTAINED IN AISC 360.
- OPENINGS SHALL NOT BE PLACED IN STEEL MEMBERS UNLESS SPECIFICALLY DETAILED. STEEL MEMBERS SHALL BE SHORED WHEN PERMISSIBLE HOLES ARE CUT WITH A TORCH AFTER STEEL IS ERECTED. THE SHORES SHALL REMAIN IN PLACE UNTIL THE STEEL TEMPERATURE HAS RETURNED TO AIR TEMPERATURE.
- STRUCTURAL STEEL SHALL BE DELIVERED TO THE JOB SITE FREE OF EXCESSIVE RUST, MILL SCALE, GREASE, ETC. AND SHALL BE PRIMED.
- WHERE WELDING TO EXISTING BEAMS ARE SHOWN, IT IS THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE AND PROVIDE ADEQUATE SHORING OF EXISTING BEAMS FOR LOSS OF STRENGTH DUE TO HEAT DURING WELDING.

**REINFORCED CONCRETE NOTES CONT.:**

- MINIMUM DIAMETER OF BEND:

MINIMUM DIAMETERS OF BEND	
BAR SIZE	MINIMUM DIAMETER
NO.3 THROUGH NO.8	6db
NO.9, NO.10, AND NO.11	8db
NO.14 AND NO.18	10db

- TOLERANCE FOR 4 AND MINIMUM CONCRETE COVER IN FLEXURAL MEMBERS, WALLS, AND COMPRESSION MEMBERS SHALL BE AS FOLLOWS:

	TOLERANCE ON $d$	TOLERANCE ON MINIMUM CONCRETE COVER
$d \leq 8$ IN.	$\pm 3/8$ IN.	$-3/8$ IN.
$d > 8$ IN.	$\pm 1/2$ IN.	$-1/2$ IN.

EXCEPT THAT TOLERANCE FOR THE CLEAR DISTANCE TO FORMED SOFFITS SHALL BE MINUS 1/4" IN. AND TOLERANCE FOR COVER SHALL NOT EXCEED MINUS 1/4" THE MINIMUM CONCRETE COVER REQUIRED IN THE DESIGN DRAWINGS AND SPECIFICATIONS.

- MAXIMUM CHLORIDE ION CONTENT FOR CORROSION PROTECTION OF REINFORCEMENT:

TYPE OF MEMBER	MAXIMUM WATER SOLUBLE CHLORIDE ION (C) IN CONCRETE, PERCENT BY WEIGHT OF CEMENT
PRESTRESSED CONCRETE	0.06
REINFORCED CONCRETE EXPOSED TO CHLORIDE IN SERVICE	0.15
REINFORCED CONCRETE THAT WILL BE DRY OR PROTECTED FROM MOISTURE IN SERVICE	1.00
OTHER REINFORCED CONCRETE CONSTRUCTION	0.30

- TOLERANCE FOR REINFORCEMENT AND CONCRETE LOCATION SHALL BE PER ACI 117.
- TOLERANCE FOR LONGITUDINAL LOCATION OF BEND AND ENDS OF REINFORCEMENT SHALL BE  $\pm 2$  IN., EXCEPT THE TOLERANCE SHALL BE  $\pm 1/2$  IN. AT THE DISCONTINUOUS ENDS OF BRACKETS AND CORBELS, AND  $\pm 1$  IN. AT THE DISCONTINUOUS ENDS OF OTHER MEMBERS.
- REINFORCEMENT RESISTING EARTHQUAKE-INDUCED FLEXURAL AND AXIAL FORCES IN FRAME MEMBERS AND IN STRUCTURAL WALL BOUNDARY ELEMENTS SHALL COMPLY WITH ASTM A 706. ASTM A 615 GRADE 60 REINFORCEMENT SHALL BE PERMITTED IN THESE MEMBERS IF:  
A. THE ACTUAL YIELD STRENGTH BASED ON MILL TESTS DOES NOT EXCEED  $f_y$  BY MORE THAN 18,000 PSI (RETESTS SHALL NOT EXCEED THIS VALUE BY MORE THAN AN ADDITIONAL 3000 PSI); AND  
B. THE RATIO OF THE ACTUAL TENSILE STRENGTH TO THE ACTUAL YIELD STRENGTH IS NOT LESS THAN 1.25 THE VALUE OF  $f_y$  FOR TRANSVERSE REINFORCEMENT INCLUDING SPIRAL REINFORCEMENT SHALL NOT EXCEED 60,000 PSI.
- CONCRETE FLOOR FLATNESS SHALL BE A MINIMUM OF  $1/4"$  : 10 FT. TYP. U.N.O. WHERE CORROSION-RESISTANT REINFORCEMENT (CRR) IS SPECIFIED, USE MFMX2 REBAR ASTM A1035 GRADES 690 AND 830.
- WELDING OF ELECTRICAL CONDUCTORS TO REINFORCING STEEL IS PROHIBITED WITHOUT THE APPROVAL OF THE ENGINEER OF RECORD.
- PERFORMANCE OF SHOTCRETE SHALL BE PER ACI 506.2 SPECIFICATIONS.
- ACI 318 TABLE 26.4.1.1(a) - SPECIFICATIONS FOR CEMENTITIOUS MATERIALS.

CEMENTITIOUS MATERIALS	SPECIFICATION
PORTLAND CEMENT	ASTM C150
BLENDED HYDRAULIC CEMENTS	ASTM C595, EXCLUDING TYPE IS ( $\geq 70$ ) AND TYPE II ( $\geq 70$ )
EXPANSIVE HYDRAULIC CEMENTS	ASTM C945
HYDRAULIC CEMENT	ASTM C1157
FLY ASH AND NATURAL POZZOLAN	ASTM C618
SLAG CEMENT	ASTM C989
SILICA FUME	ASTM C1240

- AGGREGATES - COMPLIANCE REQUIREMENTS:  
A. AGGREGATES SHALL CONFORM TO (1) OR (2):  
1. NORMAL WEIGHT AGGREGATE: ASTM C333.  
2. LIGHTWEIGHT AGGREGATE: ASTM C330.  
B. AGGREGATES NOT CONFORMING TO ASTM C330 OR ASTM C330 ARE PERMITTED IF THEY HAVE BEEN SHOWN BY TEST OF ACTUAL SERVICE TO PRODUCE CONCRETE OF ADEQUATE STRENGTH AND DURABILITY AND ARE APPROVED BY THE BUILDING OFFICIAL.  
C. MAXIMUM AGGREGATE SIZE:  
1. FOOTINGS..... 1" MAX.  
2. SLAB ON GRADE..... 1" MAX.  
3. GRADE BEAMS..... 1" MAX.  
4. ELEVATED STRUCT. SLABS, BEAMS, FRAME COLUMNS, WALLS..... 3/4" MAX.  
5. REMAINDER..... 3/4" MAX.  
NOTE: \* INDICATES VERIFY MINIMUM 1/2" BETWEEN BARS.
- WATER - COMPLIANCE REQUIREMENTS:  
A. MIXING WATER SHALL CONFORM TO ASTM C1602.  
B. MIXING WATER, INCLUDING THAT PORTION OF MIXING WATER CONTRIBUTED IN THE FORM OF FREE MOISTURE ON AGGREGATES, SHALL NOT CONTAIN DELETERIOUS AMOUNTS OF CHLORIDE ION WHEN USED FOR PRESTRESSED CONCRETE, FOR CONCRETE THAT WILL CONTAIN ALUMINUM EMBEDMENTS, OR FOR CONCRETE CAST AGAINST STAY-IN-PLACE GALVANIZED STEEL FORMS.
- ADMIXTURES - COMPLIANCE REQUIREMENTS:  
A. ADMIXTURES SHALL CONFORM TO (1) THROUGH (4):  
1. WATER REDUCTION AND SETTING TIME MODIFICATION: ASTM C494.  
2. PRODUCING FLOWING CONCRETE: ASTM C1017.  
3. AIR ENTRAINMENT: ASTM C260.  
4. INHIBITING CHLORIDE-INDUCED CORROSION: ASTM C1582.  
B. ADMIXTURES THAT DO NOT CONFORM TO THESE SPECIFICATIONS SHALL BE SUBJECT TO PRIOR REVIEW BY THE LICENSED DESIGN PROFESSIONAL.  
C. CALCIUM CHLORIDE OR ADMIXTURES CONTAINING CHLORIDE FROM SOURCES OTHER THAN IMPURITIES IN ADMIXTURE INGREDIENTS SHALL NOT BE USED IN PRESTRESSED CONCRETE, IN CONCRETE CONTAINING EMBEDDED ALUMINUM, OR IN CONCRETE CAST AGAINST STAY-IN-PLACE GALVANIZED STEEL FORMS.  
D. ADMIXTURES USED IN CONCRETE CONTAINING EXPANSIVE CEMENTS CONFORMING TO ASTM C945 SHALL BE COMPATIBLE WITH THE CEMENT AND PRODUCE NO DELETERIOUS EFFECTS.
- STEEL FIBER REINFORCEMENT - COMPLIANCE REQUIREMENTS:  
A. STEEL FIBER REINFORCEMENT USED FOR SHEAR RESISTANCE SHALL SATISFY (1) AND (2):  
1. BE DEFORMED AND CONFORM TO ASTM A820.  
2. HAVE A LENGTH-TO-DIAMETER RATIO OF AT LEAST 50 AND NOT EXCEEDING 100.

FIRE-RESISTING RATING (HOURS)									
INTERIOR SPAN					END SPAN				
1 HR	1 1/2 HR	2 HR	3 HR	4 HR	1 HR	1 1/2 HR	2 HR	3 HR	4 HR
3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	1"	1 1/4"	1 1/4"	1 1/4"

FIRE-RESISTING RATING (HOURS)									
INTERIOR SPAN					END SPAN				
1 HR	1 1/2 HR	2 HR	3 HR	4 HR	1 HR	1 1/2 HR	2 HR	3 HR	4 HR
3/4"	3/4"	3/4"	3/4"	3/4"	1 1/2"	1 1/2"	1 1/2"	2 1/2"	2 1/2"

- COVER THICKNESS FOR PRE-STRESSED CONCRETE FLOOR OR ROOF SLABS (INCHES)

**REINFORCED CONCRETE NOTES:**

- CONCRETE MIXES SHALL BE DESIGNED BY A RECOGNIZED TESTING LABORATORY AND COPIES OF THE DESIGN SHALL BE SENT TO THE ARCHITECT AND THE ENGINEER. COMPRESSIVE STRENGTH TEST REPORTS SHALL BE SUBMITTED TO THE BUILDING DEPARTMENT AND THE ARCHITECT. ALL CONCRETE EXCEPT FOUNDATION CONCRETE SHALL CONTAIN POLYMER BASED WATER REDUCING ADMIXTURE. PORTLAND CEMENT SHALL CONFORM TO ASTM C-150. TYPE II AGGREGATE FOR STONE CONCRETE SHALL CONFORM TO ASTM C-33. NON-REACTIVE AGGREGATE FOR LIGHTWEIGHT CONCRETE SHALL CONFORM ASTM C-330.
- ALL REINFORCING BARS, ANCHOR BOLTS, PRE STRESSING TENDONS, AND ALL OTHER CONCRETE INSERTS SHALL BE WELL SECURED IN POSITION PRIOR TO PLACING CONCRETE.
- THE MAXIMUM SLUMP SHALL NOT EXCEED 4" +/- 1" FOR FOOTINGS, SLABS ON EARTH, AND MASS CONCRETE, AND 5" +/- 1" FOR OTHER CONCRETE. SLUMP MAY BE INCREASED WHEN CHEMICAL ADMIXTURES ARE USED, PROVIDED THAT ADMIXTURE-TREATED CONCRETE HAS THE SAME OR LOWER WATER/CEMENT OR WATER/CEMENTITIOUS MATERIAL RATIO, (ACI 211.1 TABLE 6.3.1)
- MINIMUM COMPRESSIVE STRENGTH:  
PROVIDE CONCRETE WITH THE FOLLOWING MINIMUM COMPRESSIVE STRENGTH ( $f_c$ ) AT 28 DAYS UNLESS NOTED OTHERWISE (MINIMUM 5 SACKS OF CEMENT PER CUBIC YARD) (MAXIMUM WATER/CEMENT RATIO BY WEIGHT SHALL BE .65 FOR BALANCE)

MINIMUM COMPRESSIVE STRENGTH ( $f_c$ )			
CONSTRUCTION TYPE	PSI	SPEC. INSP. REQUIRED	AGGREGATE
SPREAD FOOTING/DEEPEPEN FOOTING	3000 PSI*	NO	NORMAL WT.

NOTE: \* 2500 PSI STRENGTH USED FOR DESIGN, SPECIAL INSPECTION NOT REQUIRED.

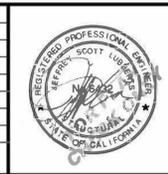
- THE COMPRESSIVE STRENGTH OF EXTERIOR SLABS AND FLAT WORK SHALL BE INCREASED FOR MODERATE AND SEVERE WEATHERING EXPOSURE PER SECTION 1904.2 OF THE CBC.
- ALL STRUCTURAL CONCRETE IS TO BE REINFORCED.
- CONTRACTOR SHALL SUBMIT JOINT LAYOUT DRAWINGS TO THE ARCHITECT AND ENGINEER FOR REVIEW. THE MAXIMUM SPACING OF CONTROL JOINTS IN SLAB ON GRADE EACH WAY SHALL BE 30X THE SLAB THICKNESS BEFORE 7 DAYS OF CURING. SLABS REQUIRE AT LEAST 7 DAYS CURING (14 DAYS WHERE FLY ASH OR POZZOLAN IS USED), AND THE ENVIRONMENT (HUMIDITY AND TEMPERATURE) OF ROOM SHALL BE ACCLIMATED TO LONG TERM CLIMATE CONDITIONS PRIOR TO INSTALLATION OF FLOORING. THE SLAB TEMPERATURE SHALL BE WITHIN 5 DEGREES OF DEW POINT DURING CURING. SEE NOTES BELOW ON CURING REQUIREMENTS. MOISTURE AND HUMIDITY TESTING SHALL BE PERFORMED BY AN INDEPENDENT TESTING LABORATORY HIRED BY THE OWNER, AND TESTS RESULTS SHALL BE SUBMITTED TO THE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION OF FLOORING.
- PROJECTING CORNERS OF BEAMS, COLUMNS, WALLS, ETC. SHALL BE FORMED WITH A 3/4" CHAMFER UNLESS DETAILED OTHERWISE.
- IF EXPOSURE TO SPECIAL EXPOSURE CONDITIONS OCCUR, THE CONCRETE STRENGTH, WATER CEMENT RATIOS, AND OTHER PROPERTIES OF THE CONCRETE MIX SHALL BE IN ACCORDANCE WITH ACI 318 SECTION 19.3.
- DO NOT POUR CONCRETE WHEN THE TEMPERATURE EXCEEDS 90°F OR 80°F WHEN THE WIND EXCEEDS 12MPH. START CURING AS SOON AS HARD DRAWING IS DONE. WHEN WIND, TEMPERATURE AND HUMIDITY CONDITIONS CAUSE EARLY DISAPPEARANCE OF BLEED WATER, STEPS SHALL BE TAKEN TO USE A FOG SPRAY. CURING SHALL COMMENCE IMMEDIATELY AFTER FINISHING TRAWLING.
- CURE CONCRETE ACCORDING TO ACI 308.1 BY ONE OF THE FOLLOWING METHODS:  
A. WELD CURING BY USING BURLAP FOR A MINIMUM OF 7 DAYS. BURLAP MUST BE PLACED WITHIN 2 HOURS OF POURING.  
B. CURING COMPOUND MUST CONFORM TO ASTM C309. APPLY UNIFORMLY IN CONTINUOUS OPERATION BY POWER SPRAY OR ROLLER ACCORDING TO MANUFACTURER'S WRITTEN INSTRUCTION.  
C. MOISTURE RETAINING COVER SHOULD CONFORM TO ASTM C171, BE AT LEAST 0.4 MILL THICK, AND PREFERABLE REINFORCED WITH GLASS FIBER.
- WHERE AIR ENTRAINED CONCRETE IS SPECIFIED, THE VOLUME OF AIR IN THE MORTAR FRACTION OF CONCRETE MIX DESIGN SHALL BE 9%  $\pm 1\%$ .
- ALL REINFORCING STEEL SHALL CONFORM TO THE REQUIREMENTS OF ASTM A-615 GRADE 60. AT GRADE BEAMS & CONCRETE FRAMES ALL REINF. SHALL CONFORM TO ASTM A706 REBAR, U.N.O.
- ALL REINFORCING BAR BENDS SHALL BE MADE COLD.
- REINFORCING STEEL SHALL BE SPLICED WITH CLASS B SPLICES UNLESS NOTED OTHERWISE ON THE DRAWINGS.
- LOW HYDROGEN ELECTRODES SHALL BE USED WHEREVER REINFORCING STEEL IS WELDED. BARS SHALL BE A706 GRD. 60 MIN. FOR WELD ABILITY.
- AT THE TIME CONCRETE IS PLACED, REINFORCEMENT SHALL BE FREE FROM MUD, OIL, OR OTHER NONMETALLIC COATINGS THAT DECREASE BOND. WHERE SPECIFIED IN THE DETAILS, EPOXY-COATING OF STEEL REINFORCEMENT IN ACCORDANCE WITH ACI STANDARDS, EXCEPT FOR PRESTRESSING STEEL, STEEL REINFORCEMENT WITH RUST, MILL SCALE, OR A COMBINATION OF BOTH SHALL BE CONSIDERED SATISFACTORY, PROVIDED THE MINIMUM DIMENSIONS (INCLUDING HEIGHT OF DEFORMATIONS) AND WEIGHT OF A HAND-WIRE-BRUSHED TEST SPECIMEN COMPLY WITH APPLICABLE ASTM SPECIFICATIONS.
- THE MINIMUM CLEAR SPACING BETWEEN PARALLEL BARS IN A LAYER SHALL BE  $\phi$  BUT NOT LESS THAN 1 IN. WHERE PARALLEL SUBMITTING BARS ARE IN TWO OR MORE LAYERS, BARS IN THE UPPER LAYERS SHALL BE PLACED DIRECTLY ABOVE BARS IN THE BOTTOM LAYER WITH CLEAR DISTANCE BETWEEN LAYERS NOT LESS THAN 1 IN. CLEAR DISTANCE LIMITATION BETWEEN BARS SHALL APPLY ALSO TO THE CLEAR DISTANCE BETWEEN A CONTACT LAP SPlice AND ADJACENT SPLICES OR BARS.
- IN SPIRALLY REINFORCED OR TIED REINFORCED COMPRESSION MEMBERS, CLEAR DISTANCE BETWEEN LONGITUDINAL BARS SHALL BE NOT LESS THAN 1.5 $\phi$  NOR LESS THAN 1 1/2 IN.
- IN WALLS AND SLABS OTHER THAN CONCRETE JOIST CONSTRUCTION, PRIMARY FLEXURAL REINFORCEMENT SHALL NOT BE SPACED FARTHER APART THAN THREE TIMES THE WALL OR SLAB THICKNESS, NOR FARTHER APART THAN 18 IN.
- WHERE CONCRETE MUST BE INSTALLED AND CURED IN COLD WEATHER, THE GENERAL REQUIREMENTS AND SPECIFICATIONS OF ASTM STD C-31 SHALL BE IMPLEMENTED.
- CAS-T-IN-PLACE CONCRETE (NON-PRESTRESSED)  
THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:  
A. CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH..... 3" MIN.  
B. CONCRETE EXPOSED TO EARTH OR WEATHER:  
• NO.6 THROUGH NO.18 BARS..... 2" MIN.  
• NO.5 BAR, W31 OR D31 WIRE, AND SMALLER..... 1 1/2" MIN.  
C. CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH GROUND:  
SLABS, WALLS, JOISTS:  
• NO.14 AND NO.18 BARS..... 1 1/2" MIN.  
• NO.11 BAR AND SMALLER..... 3/4" MIN.  
BEAMS, COLUMNS:  
• PRIMARY REINFORCEMENT, TIES, STIRRUPS, SPIRALS..... 1 1/2" MIN.  
SHELLS, FOLDED PLATE MEMBERS:  
• NO.6 BAR AND LARGER..... 3/4" MIN.  
• NO.5 BAR, W31 OR D31 WIRE, AND SMALLER..... 1/2" MIN.
- BUNDLED BARS:  
FOR BUNDLED BARS, MINIMUM CONCRETE COVER SHALL BE EQUAL TO THE EQUIVALENT DIAMETER OF THE BUNDLE, BUT NEED NOT TO BE GREATER THAN 2 IN., EXCEPT FOR CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH, WHERE MINIMUM COVER SHALL BE 3 IN. GROUPS OF PARALLEL REINFORCING BARS BUNDLED IN CONTACT TO ACT AS A UNIT SHALL BE LIMITED TO FOUR IN ANY ONE BUNDLE. BUNDLED BARS SHALL BE ENCLOSED WITHIN STIRRUPS OR TIES. BARS LARGER THAN NO. 11 SHALL NOT BE BUNDLED IN BEAMS. INDIVIDUAL BARS WITHIN A BUNDLE TERMINATED WITHIN THE SPAN OF FLEXURAL MEMBERS SHALL TERMINATE AT DIFFERENT POINTS WITH AT LEAST 40 $\phi$  STAGGER.  
CORROSION ENVIRONMENTS:  
IN CORROSION ENVIRONMENTS OR OTHER SEVERE EXPOSURE CONDITIONS, AMOUNT OF CONCRETE PROTECTION SHALL BE SUITABLY INCREASED, AND DENSITY AND NONPOROSITY OF PROTECTING CONCRETE SHALL BE CONSIDERED, OR OTHER PROTECTION SHALL BE PROVIDED. COVER WHERE NOTED ON PLANS AND DETAILS IS NOT A MINIMUM, UNLESS NOTED AS "MIN". THE COVER SHALL BE AS NOTED WITH TOLERANCE.

ADG JOB #2520

**VERIFY SCALES**  
BAR IS ONE INCH ON ORIGINAL DRAWING  
0 1 2 3 4 5  
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

**DIGALERT**  
DIAL TOLL FREE  
1-800-227-2600  
AT LEAST TWO DAYS BEFORE YOU DIG  
UNDERGROUND SERVICE ALERT (USA) OF SOUTHERN CALIFORNIA

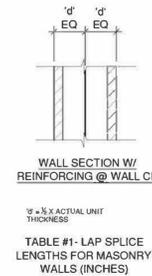
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NOTE: TABLES IN THIS DETAIL CONTAIN REINFORCEMENT LAP SPLICE LENGTHS THAT ACHIEVE NOT ONLY BUILDING CODE COMPLIANCE, BUT ALSO COMPLIANCE WITH THE STANDARD PRACTICE FOR BRACING MASONRY WALLS UNDER CONSTRUCTION (WHICH IS IMPORTANT FOR LIFE SAFETY AT THE JOB SITE).

THEREFORE, THE VALUES INCLUDED IN THE TABLES ARE THE MORE RESTRICTIVE OF: 1.) THE LAP LENGTHS DETERMINED USING THE TMS 402/602 AND, 2.) 48 BAR DIAMETER (THE 24 HOUR SPLICE LENGTH CRITERIA FROM THE STANDARD PRACTICE FOR BRACING). MANY OF THE LISTED VALUES ARE CONTROLLED BY THE 48 BAR DIAMETER CRITERIA, WHICH IS NECESSARY FOR THE DEVELOPMENT OF BOTH INTERNAL AND EXTERNAL TEMPORARY BRACING IN THE VAST MAJORITY OF WALL CONDITIONS.



BARS CENTERED IN WALL			
BAR SIZE	8" CMU	12" CMU	16" CMU
#3	18	18	18
#4	24	24	24
#5	30	30	30
#6	<b>38</b>	36	36
#7	-	42	42
#8	-	<b>50</b>	48
#9	-	<b>64</b>	54

NOTE: TABLE DOES NOT APPLY TO EPOXY COATED BARS

LEGEND: VALUES IN BOLD BASED ON TMS 402/602, ALL OTHER VALUES BASED ON STANDARD PRACTICE FOR BRACING MASONRY WALLS UNDER CONSTRUCTION.

DESIGN CRITERIA:  
 $f_c = 60,000$  PSI  
 $f_m = 2,000$  PSI

REBAR END ANCHORS SHALL HAVE AN EVALUATION REPORT DEMONSTRATING COMPLIANCE WITH THE CURRENT ACCEPTABLE CRITERIA UNDER THE REFERENCED DESIGN CODE.

**A TYPICAL REBAR END ANCHOR**

**B TYPICAL HOOKS AND BENDS**

**C OFFSETS AND SPLICES**

**D TYPICAL STIRRUPS AND TIES**

**E TYPICAL HOOP TIES**

REBAR END ANCHORS SHALL HAVE AN EVALUATION REPORT DEMONSTRATING COMPLIANCE WITH THE CURRENT ACCEPTABLE CRITERIA UNDER THE REFERENCED DESIGN CODE.

MINIMUM BEND DIA. D=8d FOR #3 THRU #8 D=8d FOR #9 MINIMUM INSIDE

STIRRUP & TIES MIN BEND DIAMETERS D = 4d FOR #3 THRU #5 D = 6d FOR #6 THRU #8

NOTE: 135° BENDS REQUIRED @ ROUND HOOP TIES SPLICES.

BAR DEVELOPMENT & LAP SPLICE SCHEDULE (INCHES)

BAR SIZE	$f_c = 3000$ PSI MIN
#3	28
#4	37
#5	47
#6	56
#7	81
#8	93
#9	105

PROVIDE (2) 135° HOOKS (STAGG HOOK LOCATION FOR SUCCESSIVE TIES)

SCALE: 1"=1'-0" 10

SCALE: 1"=1'-0" 7

CMU WALL REINF LOCATION & LAP SPLICE SCALE: 1"=1'-0" 4

REINFORCING DETAIL SCALE: 1"=1'-0" 1

SCALE: 1"=1'-0" 11

SCALE: 1"=1'-0" 8

SCALE: 1"=1'-0" 5

DECK WELDING DETAIL SCALE: 1"=1'-0" 2

SCALE: 1"=1'-0" 9

SCALE: 1"=1'-0" 6

SCALE: 1"=1'-0" 3

S-1.0

ADG JOB #2520

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DRAWN BY: **AC**

CHECKED BY: **AL**

APPROVED BY: **DK**

ENGINEERING REVIEWED BY: DANIEL KIM

CITY ENGINEER C70701 06/30/2027 EXPIRATION DATE

DESIGN REVIEWED BY: JEREMY LAURENTOWSKI

PARKS & RECREATION DIRECTOR 4373 02/28/2027 EXPIRATION DATE

**CITY OF MOORPARK**

PUBLIC WORKS DEPARTMENT  
 ENGINEERING DIVISION

SPEC NO. MPK 26-03

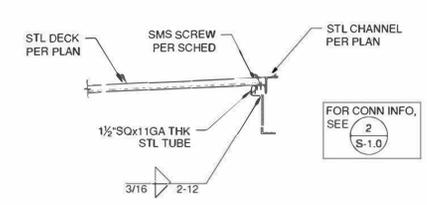
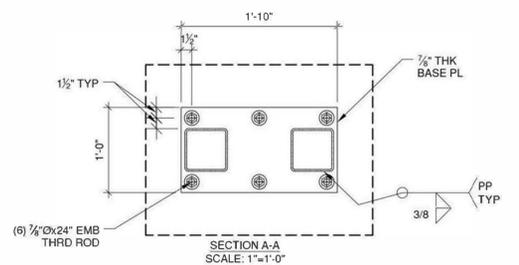
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HIGH STREET BUS SHELTER IMPROVEMENT PROJECT  
 467 E. HIGH STREET

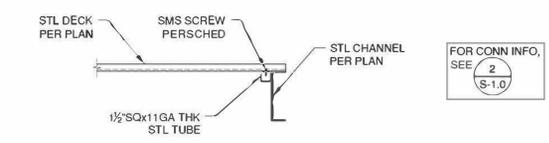
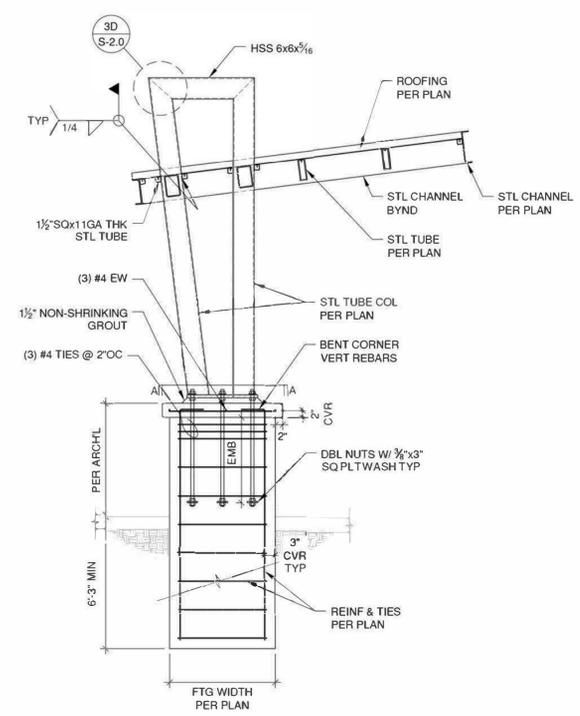
TYPICAL DETAILS

SHEET 11 OF 12

DRAWING NO. 26-ML-11127

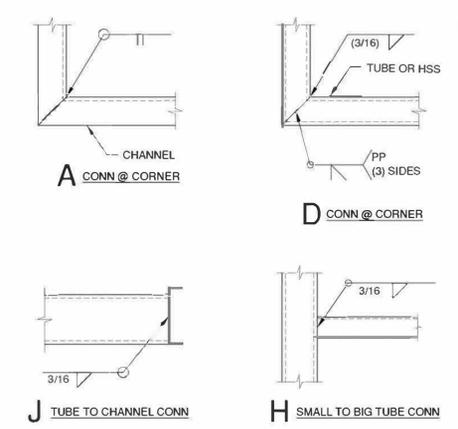


**DECK CONNECTION** SCALE: 1"=1'-0" **1**

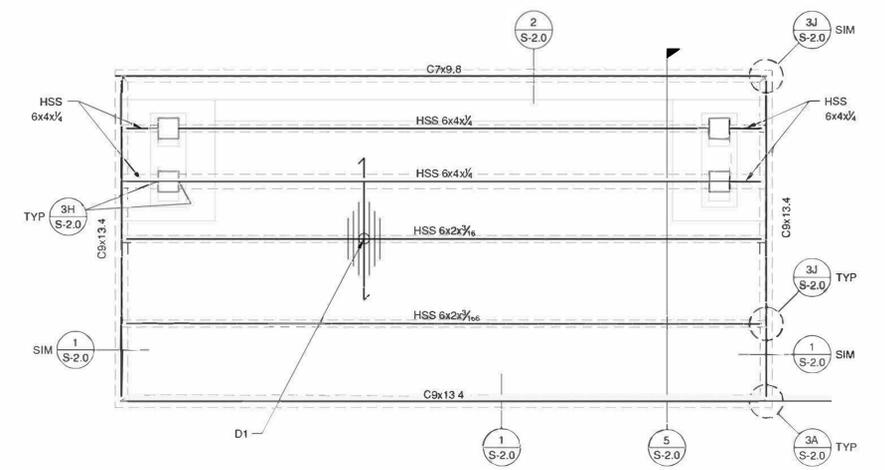


**DECK CONNECTION** SCALE: 1"=1'-0" **2**

**ELEVATION** SCALE: 1/2"=1'-0" **5**



**HSS BM TO BM CONN** SCALE: 1"=1'-0" **3**



**ROOF FRAMING PLAN** SCALE: 1/2"=1'-0"



**FOUNDATION PLAN** SCALE: 1/2"=1'-0"

**METAL ROOF LEGEND**

- D1 = 22GA AEP SPAN 'SPAN-LOK HP' 2" THK STANDING SEAM ROOFING.
- (2) SPAN MIN. USE MANUFACTURE PANEL CLIP W/ #10 SMS SCREW @ EA SUPPORT & 12"OC EDGE. SEE LANDSCAPE ARCH FOR PAINT COLOR. ALL STEEL TO BE GALVANIZED & PAINTED UNO.

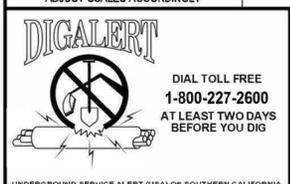
**FOUNDATION NOTES:**

- SEE FOUNDATION NOTES ON SHEET S0.01 FOR DESIGN SOIL BEARING PRESSURE, ETC.
- C1- INDICATES COLUMN MARK, FOR SIZE SEE SCHEDULE SHEET S1.00.
- F1- INDICATES FOOTING MARK, FOR SIZE SEE SCHEDULE SHEET S1.00.
- SEE ARCH. FOR ALL DIMENSIONS & CONDITIONS NOT SHOWN.
- PRIOR TO THE CONTRACTOR REQUESTING A BUILDING DEPT FOUNDATION INSPECTION, THE SOILS ENGINEER SHALL ADVISE THE BUILDING OFFICIAL IN WRITING THAT:
  - THE BUILDING PAD WAS PREPARED IN ACCORDANCE WITH THE SOILS REPORT.
  - THE UTILITY TRENCHES HAVE BEEN PROPERLY BACK FILLED & COMPACTED.
  - THE FOUNDATION EXCAVATIONS COMPLY WITH THE INTENT OF THE SOILS REPORT.
- ALL FOOTINGS ARE CENTERED UNDER COLUMNS AND BEARING WALLS UNLESS NOTED OTHERWISE ON PLANS AND DETAILS.
- SEE ARCHITECTURAL PLANS FOR LOCATIONS OF ALL WALL OPENINGS, SLOPED AND DEPRESSED SLABS, CONCRETE CURBS, ADDITIONAL EMBEDDED ITEMS NOT SHOWN ON THESE DRAWINGS. VERIFY ALL BUILDING DIMENSIONS, SLOPES AND DEPRESSED SLAB DIMENSIONS WITH ARCHITECTURAL PLANS BEFORE BEGINNING WORK. REPORT ANY DISCREPANCIES TO THE ARCHITECT FOR RESOLUTION.
- SEE GENERAL NOTES AND SPECIFICATIONS FOR SPECIAL GRADING REQUIREMENTS UNDER FOOTINGS.
- COLUMNS ARE ONE SIZE FROM FOUNDATION TO ROOF UNLESS OTHERWISE NOTED ON PLANS.
- SURFACE WATER SHALL DRAIN AWAY FROM THE BUILDING. COORDINATE WITH CIVIL & LANDSCAPE.
- CONTRACTOR SHALL COORDINATE ALL UNDERGROUND UTILITY WORK TO AVOID CONFLICTS WITH FOOTINGS.
- WHERE ELEMENTS SUCH AS, BUT NOT LIMITED TO, CONDUITS, PIPES, AND DUCTWORK, ARE TO BE PLACED WITHIN OR THRU CONCRETE MEMBERS, DIRECT CONTACT OF SUCH MEMBERS WITH CONCRETE SHALL BE PREVENTED AS REQUIRED BY DESIGNER/SPECIFIER/SUPPLIER/INSTALLER OF SUCH ELEMENTS, AND AS NEEDED TO COMPLY WITH PLUMBING CODE AND/OR TO AVOID DAMAGE OF SUCH ELEMENTS. TYPICAL MEANS TO AVOID DIRECT CONTACT WITH CONCRETE SUCH AS SLEEVES, LAYERS OF COMPRESSIBLE MATERIALS, AIR GAPS, ETC. SHALL BE SPECIFIED BY, OR OBTAINED BY GC FROM, DESIGNER/SPECIFIER/SUPPLIER/INSTALLER OF SUCH ELEMENTS. REBAR DISPLACED BY SUCH ELEMENTS SHALL BE ARRANGED AS CLOSE AS PRACTICALLY POSSIBLE AROUND THE EMBEDDED ELEMENTS AND SHALL NOT BE INTERRUPTED.
- CONDUITS & PIPES SHALL NOT BE PLACED INSIDE OF SLAB ON GRADE UNLESS DETAILED BY THE ENGINEER.
- CONTRACTOR SHALL SUBMIT PROPOSED FIRE RISER, CONDUIT, PIPING SLEEVE LOCATION FOR ENGINEER'S REVIEW PRIOR TO FOOTING CONSTRUCTION.
- SEE ARCHL AND CIVIL DRAWINGS FOR LOCATION OF MOISTURE BARRIER, CURBS, TRASH ENCLOSURES, EXTERIOR SLABS, DRAINAGE, RAMPS, WALKS, ETC.
- FOR FOOTINGS OUTSIDE THE BUILDING ENVELOPE, COORDINATE TOP OF FOOTING ELEVATION WITH THE STRUCTURAL DETAILS AND WITH CIVIL AND LANDSCAPE.
- EXCAVATIONS SHALL BE MADE IN COMPLIANCE WITH CAL/OSHA REGULATIONS.

**STEEL FRAMING NOTES:**

- UNLESS NOTED OTHERWISE, PLYWOOD SHEATHING OR SUBSTRAIGHT SHALL BE PER ARCHITECTURAL DRAWINGS.
- "C" - INDICATES CAMBER BETWEEN SUPPORTS ONLY @ BEAMS (i.e. NO CAMBER @ CANTILEVERS)
- SEE ARCH FOR ALL DIMENSIONS & CONDITIONS NOT SHOWN.
- FOR TYPICAL DETAILS SEE SHEETS S0.10, S0.20, S0.30 ETC.
- UNLESS SPECIFICALLY NOTED ON THE PLANS, FRAMING SHALL NOT BE CUT OR RELOCATED WITHOUT PRIOR APPROVAL OF THE STRUCTURAL ENGINEER. CONTRACTOR SHALL OBTAIN APPROVAL OF JOIST MFR SHOP DRAWINGS FROM BOTH MECHANICAL AND STRUCTURAL ENGINEERS PRIOR TO ERECTION OF JOIST FRAMING.
- PROTECTED ZONE: WHERE A PROTECTED ZONE IS DESIGNED, IT SHALL COMPLY WITH THE FOLLOWING:
  - WITHIN THE PROTECTED ZONE, DISCONTINUITIES CREATED BY FABRICATION OR ERECTION OPERATIONS, SUCH AS TACK WELDS, ERECTION AIDS, AIR-ARC COUISING AND THERMAL CUTTING SHALL BE REPAIRED AS REQUIRED BY THE ENGINEER OF RECORD.
  - WELDED SHEAR STUDS AND DECKING ATTACHMENTS THAT PENETRATE THE BEAM FLANGE SHALL NOT BE PLACED ON BEAM FLANGES WITHIN THE PROTECTED ZONE. DECKING ARC SPOT WELDS AS REQUIRED TO SECURE DECKING SHALL BE PERMITTED.
  - WELDED, BOLTED, SCREWED OR SHOT PIN ATTACHMENTS FOR PERIMETER EDGE ANGLES, EXTERIOR FACADES, PARTITIONS, DUCK WORK, PIPING OR OTHER CONSTRUCTION SHALL NOT BE PLACED WITHIN THE PROTECTED ZONE.
- ALL ARCHITECTURALLY EXPOSED STRUCTURAL STEEL (AESS) SHALL MEET THE MINIMUM SPECIFICATIONS IN THE AISC CODE OF STANDARD PRACTICE CHAPTER 10 UNLESS NOTED OTHERWISE ON THE ARCHITECTURAL DRAWINGS.

ADG JOB #2520  
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DESIGNED BY:  
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ENGINEERING REVIEWED BY: DANIEL KIM  
 02/05/2026  
 DATE

DRAWN BY:  
**AC**

CITY ENGINEER  
 C70701  
 PEN NO. 06/30/2027  
 EXPIRATION DATE

CHECKED BY:  
**AL**

DESIGN REVIEWED BY: JEREMY LAURENTOWSKI  
 02/05/2026  
 DATE

APPROVED BY:  
**DK**

PARKS & RECREATION DIRECTOR  
 4373  
 PLA NO. 02/28/2027  
 EXPIRATION DATE



**CITY OF MOORPARK**  
 PUBLIC WORKS DEPARTMENT  
 ENGINEERING DIVISION

SPEC NO.  
 MPK 26-03

CIP NO.  
 C0083

**HIGH STREET BUS SHELTER IMPROVEMENT PROJECT**  
 467 E. HIGH STREET  
**STRUCTURAL PLANS**

**S-2.0**

SHEET **12**  
 OF **12**

DRAWING NO.  
 26-ML-11127