



CITY OF MOORPARK DEPARTMENT OF PUBLIC WORKS

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

2026 PAVEMENT REHABILITATION PROJECT (M0054)

Specification No. MPK 26-02

**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 March 26, 2026
AT 3:30 P.M.**

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

CITY OF MOORPARK

CONSTRUCTION DOCUMENTS

FOR

NAME: 2026 Pavement Rehabilitation Project (M0054)

LOCATION: Citywide

SPECIFICATION NO.: MPK 26-02

DATE: February 18, 2026

PREPARED BY:



Linda Myszkowski
Assistant Engineer
City of Moorpark

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 errors or omissions in the plans, specifications, or proposal, or have any questions concerning the bidding documents, please contact:

Linda Myszkowski, Assistant Engineer
City of Moorpark Public Works Department
323 Science Drive
Moorpark, CA 93021
Telephone: (805) 517-6292
Email: LMyszkowski@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 **3:30 p.m.** on **March 26, 2026**, to the following:

City Clerk
City of Moorpark
323 Science Drive
Moorpark, CA 93021

After the bid opening, bid results may be obtained by calling the Public Works Department. After the Notice to Proceed is issued to the successful bidder, all contacts should be through Linda Myszkowski, Assistant Engineer/Public Works, at (805) 517-6292.

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

2026 PAVEMENT REHABILITATION PROJECT
Sealed Bids – Do Not Open With Regular Mail Bids
to be opened at **3:30 p.m.** on **March 26, 2026**

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CITY OF MOORPARK
DEPARTMENT OF PUBLIC WORKS
ENGINEERING DIVISION

NOTICE INVITING SEALED BIDS

FOR

2026 PAVEMENT REHABILITATION PROJECT (M0054)

SPECIFICATION NO. MPK 26-02

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 **2026 PAVEMENT REHABILITATION PROJECT (M0054)** will be received by the City Clerk, in the City Hall, 323 Science Drive, Moorpark, California, 93021, at or before **3:30 p.m. on March 26 2026.** At that 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 furnishing all materials, equipment, tools, labor, and incidentals as required by the Plans, Specifications, and Contract Documents. The general items of work include, but are not limited to, crack sealing, slurry sealing, asphalt concrete paving, pavement milling, striping, and all other items not mentioned but indicated in the Plans and Specifications. Approximately 3,850,000 square feet of slurry seal on residential streets. Certain residential roadways will be milled and overlaid to allow for street improvements, including approximately 4,125 tons of asphalt concrete, thermoplastic striping, and related work as required by the Project Plans and Specifications.

The proposal shall be submitted, and the work shall be performed by a Class ("A") State of California licensed contractor in strict conformance with plans and specifications as approved by the City Council on February 18, 2026, and now on file in the City's Department of Public Works and the City Clerk.

Plans and specifications can be viewed and downloaded, at no cost, online at <http://www.moorparkca.gov/35/Doing-Business>. 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 payment of \$50, plus \$10 handling fee if mailed. All questions regarding the bid documents should be directed to Linda Myszkowski at (805) 517-6292.

It is the bidder's responsibility to check the City's website for any addenda that may be issued for this project before 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 its share of the contractor's overhead and profit. The City reserves the right to delete any bid item to the extent that a specific limitation qualifies the bid. An unbalanced bid shall be considered grounds for rejecting the entire bid. The City further reserves the right to make an award to the lowest responsible bidder as the interest of the City may require.

The City will not consider awarding any contract based on 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 the United States Trade Representative lists such foreign country 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 on 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 26-02. 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 its 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
2026 PAVEMENT REHABILITATION PROJECT
SPECIFICATION NO. MPK 26-02

BID TERMS AND CONDITIONS

Requirement to Meet All Bid Provisions – Each bidder shall meet all specifications, 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 complete description and explanation of and justification for the proposed deviations. Whether any proposed deviation is substantial 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 outlined in Labor Code 1771.1(a). Further, a public entity cannot award a Public Works contract to a non-registered contractor or subcontractor, 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 outlined 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 non-responsive. It shall act as a bar to the award of 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 maintain the specified license shall render the bid 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 appropriately 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 an 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 an addendum shall be considered a part of, and incorporated into, the Contract Documents.

All timely written requests for information 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 before 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). 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 that 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 the 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, sealed, and addressed to the City Clerk, City of Moorpark, 323 Science Drive, Moorpark, California 93021. To guard against premature opening, the Proposal shall be clearly labeled with the bid title, the bidder's name, and the date and time of bid opening. **If the proposal is delivered to the City via Express Delivery or another priority mail service, the above information must also be included on the outside of the 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 before 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 attend 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 an 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 the Notice of Completion by the City. The bond shall be sufficient and duly executed by a surety admitted doing 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 a day, 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 of these Bid Terms and Conditions.

The bidder, to whom the Contract is awarded, shall assist in locating, qualifying, hiring, and increasing the skills of minority group employees and applicants for employment, as outlined in Executive Orders 11246 and 11375.

The current wage rates of the California Department of Industrial Relations shall apply to 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 accordance 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, the bidder and all subcontractors named in the 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 the 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 the City in writing of bid specifications or plans, defects, or ambiguities before bid submission shall waive any right to assert such defects or ambiguities after bid submission.

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.

If, 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

2026 PAVEMENT REHABILITATION PROJECT (M0054)

SPECIFICATION NO. MPK 26-02

CONTRACTOR NAME: _____

SUBMIT PAGES 16 THROUGH 42 FULLY EXECUTED WITH THIS PROPOSAL

LIST OF DOCUMENTS
TO BE SUBMITTED WITH PROPOSAL

FOR

2026 PAVEMENT REHABILITATION PROJECT

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DEPARTMENT OF PUBLIC WORKS

PROPOSAL

FOR

2026 PAVEMENT REHABILITATION PROJECT

Specification No.: MPK 26-02

Bids to be received on: March 26, 2026

Completion Time: 80 Consecutive Working Days after Receipt of Notice to Proceed

Liquidated Damages: \$1,000 per Calendar Day

Number of Pages in Proposal: 27

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 a 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 the name of the 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 the partnership. One may sign if the City has a copy of the 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 the City has a copy of the 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 the signature of the Attorney-in-fact and apply the surety's seal and provide the 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

2026 PAVEMENT REHABILITATION 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 reviewed 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 outlined 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 a 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

2026 PAVEMENT REHABILITATION 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	Stormwater Pollution Control	1	LS		
4	905-5	Street Surface Preparation, Crack Filling	1	LS		
5	906-5	Type 2 Slurry Seal	3,850,000	SF		
6	907-6	Cold Plane (2" Depth)	330,000	SF		
7	909-4	Asphalt Concrete Pavement	4,125	TONS		
8	910-3	Adjust Manhole Covers	25	EA		
9	910-3	Adjust Water Valve Covers	25	EA		
10	910-3	Adjust Survey Monument Cover	8	EA		
11	912-7	Blue Reflective Pavement Marker	200	EA		
12	912-7	STOP Legend (Thermo)	130	EA		
13	912-7	12" White Limit Line (Thermo)	3,200	LF		
14	912-7	12" Yellow Ladder Crosswalk (Thermo)	5,000	LF		
15	912-7	SLOW SCHOOL XING Legend Yellow (Thermo)	4	EA		
16	912-7	Arrow Type I, II, IV (Thermo)	5	EA		
17	912-7	KEEP CLEAR Legend (Thermo)	2	EA		

18	912-7	Channelizing Line Detail 38A (Thermo)	22,000	LF		
19	913-5	Remove and Replace P.C.C. Curb Ramp	12	EA		
20	914-2	Release of Contract	1	LS	\$1.00	\$1.00

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

(Price in words)

Contractor's Name: _____

PROPOSED SCHEDULE OF WORK AND PRICES

2026 PAVEMENT REHABILITATION 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 the 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 that demonstrate your ability to complete the work included in the scope of the specifications. Attach additional pages if required. The City reserves the right to contact each of the references listed for further 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 outline 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 that each subcontractor will do. 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 (\$)

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:

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 available at this time and 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 entirely 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 substances, 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 the 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 rights or remedies outlined 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 before the bid opening, and copies must be submitted with the bid package. No contract will be awarded unless the contractor's and subcontractors' Certificates are 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 the award of a 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 being 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.

Name: _____

Title: _____

Signature: _____

Date: _____

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

ADDENDA ACKNOWLEDGMENT FORM

Bidder's Name: _____

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

Addendum Number	Date Received	Signature

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

2026 PAVEMENT REHABILITATION PROJECT (M0054)

SPECIFICATION NO. MPK 26-02

**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
2026 PAVEMENT REHABILITATION PROJECT (M0054),
SPECIFICATION NO. MPK 26-02**

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, the City has a 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 _____, 2024, 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 Indemnatee. 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 the City to monitor compliance with these requirements imposes no additional obligations on the 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, before 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 outlined 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 that 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 it is 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 outlined 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 the 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 the 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 the City for injury to employees of the contractor, subcontractors, or others involved in the Work. The scope of coverage provided is subject to the approval of the 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 an A.M. Best rating of A- or better and a minimum financial size of VII.

Contractor and City agree 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 the scope of coverage (e.g., elimination of contractual liability or reduction of discovery period) that may affect the City's protection without the City's prior written consent.
7. Proof of compliance with these insurance requirements, consisting of binders of coverage, endorsements, or certificates of insurance, shall be delivered to the 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 the 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 the 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 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 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 **2026 PAVEMENT REHABILITATION PROJECT (M0054)**, 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 **2026 PAVEMENT REHABILITATION PROJECT (M0054)**, and is required by the 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

Sections 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 26-02

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
2026 PAVEMENT REHABILITATION PROJECT (M0054)
SPECIFICATION NO. MPK 26-02

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 importance- 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) before the commencement of the contemplated action. Notifications may be from the City to the Contractor or from the Contractor to the 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 that must be submitted by the 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 Public Works Standards, Inc., formerly the Southern California Chapters of ACG and APWA

SSS State of California, Department of Transportation,
Standard Specifications, latest edition
VCTC Ventura County Transportation Commission
VCWPD 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 the 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 the 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 Contractors 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 or 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 that 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 a 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 Workers Required to Work Excess Hours

As provided in Section 1810 of the Labor Code, eight (8) hours shall constitute a legal day's work. 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 the 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 apprenticeable 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, statewide 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 a journeyman cannot provide training; 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 in meeting 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), which 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 indicate the weight and type of material recycled or disposed of.** 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 WORK

6-6.3 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 PAYMENT

7-3.1.1 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 a 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) 517-6240	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
(805) 526-9323
SO. CALIFORNIA EDISON COMPANY
(805) 494-7066

VENTURA COUNTY FIRE PROTECTION
DISTRICT
(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 the grates with material suitable for preventing any paving material from passing through them. 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 that are partially exposed shall be cleaned to the Engineer's satisfaction.

Immediately before 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
2026 PAVEMENT REHABILITATION PROJECT (M0054)
SPECIFICATION NO. MPK 26-02

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 explicitly 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 the 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 H, 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 901-15, 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 80 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 48 hours' notice 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 Monday 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 a Sunday, the holiday shall be observed on the following Monday. Whenever a holiday falls on a Saturday, it 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 for 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 a Subcontractor performs all or any part of the extra work, 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-day period 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 included in the contract unit or lump-sum prices bid for other applicable items of work, and no additional compensation will be allowed.

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 before 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, before 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 before 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 904, 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 approved Construction Schedule initially must be approved by the Engineer, in writing, at least three working days before any construction.

901-4 CONSTRUCTION SEQUENCE

The Contractor shall phase his/her construction operations so that the cold milling is no more than 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 that reflects phasing to provide on-street parking within 150 feet of any residence or business, unless authorized by the

City Engineer. The schedule must be approved in writing by the Engineer 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 before restricting driveway access or starting any work. The Engineer shall approve the written Notice and shall be a "door hanger," or similar style. The Notice shall describe the impending work and identify the dates and stages of the 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." 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 with all relevant 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 with the City's Landscaping Inspector to temporarily shut off the irrigation systems, providing at least two (2) full working days' notice before 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 workday. 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" (see Appendix G). 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. The Contractor shall bear all costs associated with water for construction.

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 or other electronic format acceptable to the City, 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 or other electronic format) 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 "I" 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 construction phase and submit it to the Engineer for approval. The TCP shall show the locations of all traffic control devices, address traffic movement, especially at intersections, and include the flashing of red traffic signals by City inspection staff during paving in intersection areas. If prior approval from 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 affected street segment and the hours of operation.

The Contractor shall cooperate with the Engineer regarding traffic through all work areas and shall make his/her own arrangements to keep the working area clear of parked vehicles and to maintain 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 both business and residential areas, and access to each driveway must be maintained during construction per these Specifications. The Contractor shall conduct his/her operations 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

STORMWATER POLLUTION CONTROL

(Bid Item No. 3)

904-1 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 H 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/rwgcb4/water_issues/programs/stormwater/municipal/index.shtml

- c. California Stormwater BMP Handbooks for Construction or Municipal Activities www.cabmphandbooks.com
- d. Ventura Countywide Stormwater Quality Management Program www.vcstormwater.org.

904-2 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 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.

904-3 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.

SECTION 905

STREET SURFACE PREPARATION

(Bid Item No. 4)

905-1 GENERAL

Minor failures, such as cracks 1/8-inch wide or wider on the pavement surface after cold milling, shall be repaired. This repair work shall include weed removal, crack cleaning and sealing, and patching cracks larger than 1 inch and potholes of any size and depth by placing and compacting asphalt concrete hot mix. Where cracks have formed and the pavement has been raised, creating a ridge, the Contractor shall remove the ridge by chipping, grinding, or an approved method before filling the crack. Vacuum or air-generated sweepers shall be used for surface preparation. Mechanical sweepers shall not be used exclusively.

905-2 CRACK SEALING

This work shall consist of routing and filling all cracks 1/8-inch wide or wider in asphalt concrete pavement to be overlaid with sealant material, meeting the following specifications. Excess crack-sealing materials shall be removed from the pavement surface by cold milling, as directed by the Engineer.

905-2.1 Routing

All cracks in the asphalt concrete pavement receiving sealant shall be routed by mechanical means to a minimum width of 1/2 inch and 3/4 inch deep.

905-2.2 Blowing of Cracks

All cracks in the asphalt concrete pavement receiving sealant shall be blown clean and free from dirt, debris, and vegetation with compressed air at not less than 100 psi.

905-2.3 Sealing

All properly prepared cracks shall be sealed by inserting a nozzle into the crack and filling it from the bottom up with the approved sealant material, meeting the following specifications.

<u>TEST PARAMETER</u>	<u>SPECIFICATION LIMITS</u>
Cone Penetration (ASTM D3407)	15 – 45
Resilience (ASTM D3407)	30% min.
Softening Point, (ASTM D36)	200°F min.
Ductility, 77°F (ASTM D113)	30 cm-min.
Flexibility (Crafco Procedure)	Pass @ 30°F
Asphalt Compatibility (ASTM D3047)	Pass
Bitumen Content (ASTM D3407)	60% min.
Tensile Adhesion (ASTM D3583)	400% min.
Safe Heating Temperature	400°F
Recommended Pour Temperature	380°F
Brookfield Viscosity, 375°F (ASTM D3236)	4000 - 15000 cp

905-2.4 Squeegeeing

After filling the cracks with the sealant, they are to be squeegeed with a "U" shaped squeegee. The sealant shall not be left flush with the adjacent pavement but shall remain down 1/4 inch below the adjacent pavement surface.

905-2.5 Equipment

The router shall be a two-wheeled, Impact router.

The sealant machine shall be a double-boiler heat system capable of heating the sealant to the manufacturer's recommendations without placing direct heat on the sealant.

The compressor shall be capable of providing a minimum of 100 psi at the nozzle to remove any debris, dirt, or vegetation remaining in the cracks after routing.

The squeegee shall be a "U"- shaped, rubber-footed tool capable of leaving the sealant 1/4 inch below the adjacent pavement surface, without leaving excess material in the cracks or any material on the adjacent pavement after filling.

905-3 GRASS AND WEED KILLING

Before the cold milling and crack sealing operations, all grass and weeds shall be destroyed by the application of weed killer. The application shall be performed by a person or firm licensed for this type of work, using the chemical "Roundup" for the contact

kill (including application of the identification dye) and the chemical “Oust” as the pre-emergent and long-lasting kill, or approved equal.

The pre-emergent herbicide selected was recommended by a State of California licensed pest control advisor and the application is approved for use in California.

905-4 EDGE GRIND AT CURB RAMP

Prior to placement of any slurry seal, the pavement edge at all curb ramps shall be cold milled, per the Edge Grind at Curb Ramp Detail, Appendix C.

905-5 MEASUREMENT AND PAYMENT

Measurement and payment for street surface preparation, complete in place, will be made at the contract lump sum as shown in the Bid Schedule.

The above contract price and payment shall be considered as full compensation for furnishing all labor, materials, tools, equipment, transportation and incidentals, and for doing all the work involved and necessary for street surface preparation, complete in place, including all crack cleaning, routing, sealing, grass and weed killing and removal, pothole repairs, and disposal of all extraneous materials and debris, as shown on the Plans, as specified in the SSPWC and these Special Provisions, and as directed by the Engineer

SECTION 906

SLURRY SEAL

(Bid Item No. 5)

906-1 **GENERAL**

The slurry seal work consists of furnishing all labor, materials, tools, equipment, and incidentals necessary for the complete application of emulsion-aggregate slurry (Type II) as shown on plans and maps.

The material for the emulsion aggregate slurry shall conform to the requirements of Subsection 203-5 and 302-4 of the SSPWC, except as modified herein.

The Contractor shall protect all metal manhole covers, survey monument vault covers, and water valve covers during the slurry application. After the slurry has been applied and cured, the Contractor shall remove all slurry material attached to manholes, survey monument vault covers, and water valve covers.

The Contractor shall provide such flaggers and barricades as required to protect the uncured slurry from vehicular traffic. Any damage to the uncured slurry shall be the responsibility of the Contractor.

906-2 **MATERIALS**

Emulsion - aggregate slurry shall be Type II. The amount and type of accelerator used shall be submitted to and approved in advance by the City.

Emulsified asphalt shall be polymer-modified, quick-set type PM-CQS-1h.

Prior to a change of emulsion, Contractor shall thoroughly clean all emulsion tanks and mixing units to prevent any chemical reaction between the two emulsions.

Contractor shall schedule and coordinate the delivery of aggregate to the stockpile(s) such that: (1) deliveries originate at the plant and arrive at the stockpile site within normal work hours on the same calendar day, (2) delivery site and project name are explicitly stated on each delivery ticket, (3) successive deliveries on the same calendar day show the cumulative total for that day, (4) copies of all delivery tickets are delivered to the City before the end of the working day, whereas any delivery tickets not so delivered may be rejected by the City. Any deviation from this process must have the prior approval of the City.

906-2.1 **Aggregate**

Aggregate shall consist of sound, durable, crushed stone or crushed gravel and approved mineral filler. The material shall be free from vegetable matter and other deleterious substances. Aggregates shall be 100% crushed with no rounded particles, volcanic in origin and black in color, as supplied by George Reed, Table

Mountain Plant, Sonora, CA., or Equal. The use of gray or light-colored aggregate will not be allowed.

906-2.2 Polymer Modified Emulsion

Polymer-modified emulsion-aggregate slurry shall conform to the table below.

Asphalt emulsions shall be composed of a paving asphalt base uniformly emulsified with water and an emulsifying or stabilizing agent. Polymer-modified asphalt emulsions shall also contain a polymer.

The asphalt emulsion shall be homogeneous. Within 30 days after delivery and provided separation has not been caused by freezing, the asphalt emulsion shall be homogeneous after thorough mixing. The polymer used in the manufacture of polymer-modified asphaltic emulsion shall be, at the option of the Contractor, either neoprene, ethylene vinyl acetate, or a blend of butadiene and styrene.

The emulsion supplier shall certify that the asphalt residue contains at least 2.5 percent polymer (dry weight) and that the polymer has either been added as a solid polymer to the base asphalt or has been added in the form of a latex at the time of emulsion manufacture.

Polymer-modified emulsified asphalt shall be kept suspended by an agitating mixer operated every 3 days.

Requirements for Polymer Modified Cationic Quick Setting Emulsions] (PMCQS1h)		
Properties	Min.	Max.
Test on Emulsions		
Viscosity SSF, @ 77°F	15.0	90.0
Sieve Test, %	--	0.3
Storage Stability, 1 day, %	--	1.0
Residue by Evaporation	57.0	--
Particle Charge	Positive	--
Tests on Residue from Evaporation Test		
Penetration, 77°F	40.0	90.0
Ductility, 77°F, cm	40.0	--
Absolute Viscosity @ 140°F, poise	2,250.0	--
Solubility in Trichloroethylene	97.0	--
Quantitative Test for Polymer Content		
Either; Torsional Recovery, %	18.0	--
Or, Polymer Content in Residue, wt %	2.5	3.0

906-2.3 Test Reports and Certification

A certification of compliance shall be provided at least 48 hours before delivery of the emulsion to the project.

906-3 EQUIPMENT906-3.1 General

- A. Inspection: The Contractor shall provide the slurry application equipment for inspection at the site or other location acceptable to the City of least two working days prior to beginning work. Any equipment requiring repair or replacement as determined by the City shall not be used on the work until its condition is accepted by the City.

- B. Maintenance: All equipment shall be maintained in a good state of repair, i.e., no excessive oil leaks that could damage existing asphalt, concrete or landscaped areas. All equipment safety guards shall be in place, hydraulic hoses shall be in good condition. No equipment shall show potential danger to the crews, passing pedestrians and motorists. Failure to comply with this provision will be cause to have the equipment removed from the job. Equipment considered by the City to be critical to the operation including monitoring equipment such as meters and scales shall be operational at all times.

- C. Temperature Measuring Devices: All emulsion storage facilities shall have temperature-measuring devices. Temperature measuring devices shall be operational at all times when the storage facility is in use.

906-3.2 Trucks

Transit trucks shall not be used.

The Contractor shall furnish and continuously operate a minimum of three (3) trucks with approximately fourteen (14) ton capacity for each scheduled workday. The number of trucks used each day shall be as shown on the approved schedule unless otherwise approved in advance by the City. Failure by the Contractor to adhere to this requirement will cause the City to sustain additional inspection costs to be determined by the City which will be deducted from any compensation due the Contractor.

All trucks which the Contractor proposes to use that exceed the legal limit are required to have overweight permits from the City.

Prior to the beginning of slurry operations, Contractor shall furnish, at no cost to the City, a licensed weigh master's certificate indicating the net weight capacity of the aggregate bin for each truck and the empty weight of the truck. The certificate shall be dated no more than 60 days prior to construction.

906-3.3 Slurry Spreader Box

The Slurry Spreader Box shall be equipped with a steering device and suitable drag to erase ridges. The drag rubber shall be new at the beginning of the contract and shall be maintained in a good state of repair throughout the contract. A minimum 2-foot length of burlap material shall be attached to the entire width of the drag.

906-3.4 Continuous Flow Mixer

Continuous flow mixers shall conform to SSPWC Sec. 302-4.3 and shall be equipped with a fines feeder for addition of accelerator and a thermometer for indicating emulsion temperature.

906-3.5 Sweepers

Street sweepers for pre-slurry application cleaning shall be air-vacuum type approved in advance by the City. Post application cleaning may be performed by broom type sweepers approved in advance by the City.

906-3.6 Support Equipment

Support equipment, such as front-end loaders and emulsion storage tanks, shall be in good working order and sized adequately to maintain the slurry seal work without interruption. The emulsion storage tank shall have a thermometer for indicating emulsion temperature.

906-4 APPLICATION

906-4.1 General

Except where otherwise indicated herein, slurry seal application shall be in accordance with SSPWC Section 302-4.8.

No application of slurry shall occur until all pot holes are repaired, deep patching, skin patching, crack sealing or other preliminary pavement repairs have been completed, raised pavement markers removed; and pavement markings and striping removed by wet sand blasting. The surface of the pavement shall be thoroughly cleaned by sweeping or other means necessary to remove all loose particles of paving, all dirt and other extraneous material prior to the application of slurry. No slurry seal shall be placed before 8:30 a.m. nor after 2:00 p.m.

No street shall be closed to traffic for more than four (4) hours after being slurried, unless approved by the Engineer.

No street shall be closed to traffic until immediately prior to slurry application.

Emergency vehicles shall be permitted to pass through the work area without delay at all times.

Slurry seal must be placed on alternate streets in a neighborhood to minimize inconvenience to the traveling public and local automobile parking.

Slurry shall be applied only when the temperature of the pavement is above 60° F and the atmospheric temperature is at least 60° F and rising unless otherwise directed. The slurry shall be properly proportioned, mixed, and spread evenly on the surface as specified herein and as directed. The cured slurry shall have a homogeneous appearance, fill all surface voids and penetrate cracks, adhere firmly to the surface and have a skid-resistant texture.

906-4.2 Stockpiling

- A. Contractor shall arrange with the City for appropriate areas for stockpiling and batching. The stockpile areas shall be thoroughly cleaned, removing all excess material and all material contaminated by spilled oil, and left with a neat, orderly appearance upon completion of slurry operations in that area.
- B. Stockpile within a private property requires the consent of the owner and owner's satisfactory completion of final cleanup/removal.
- C. Any damage done to these areas as determined by the City shall be corrected by the Contractor to the satisfaction of the City prior to final payment.
- D. The Contractor shall stockpile all slurry constituents at the same site for the work in each area.

906-4.3 Preparation

- A. The Contractor shall fill cracks prior to application of the slurry as specified in Section 905 of these Special Provisions. Certain areas not appropriate for crack filling, as determined by the Engineer, will need to be cleaned by the Contractor. These areas shall be cleaned by blowing out debris with high-pressure compressed air and the surrounding areas shall be swept the same day.
- B. Preparation shall include removal of pavement markers, trimming of interfering shrubbery and ground growth, removing trimmed vegetation, controlling nuisance water, and sweeping. Immediately prior to slurry application, the surface shall be cleaned of dust, dirt, oil, grease, vegetation and other foreign material.
- C. Contractor shall remove existing raised pavement markers and thermoplastic markings before the commencement of any slurry application.

- D. Any vegetation in the area of the slurry seal shall be removed.
- E. All concrete surfaces to be joined by the slurry seal, with the exception of longitudinal curb and gutter, shall be covered before slurry application with tar paper or other approved material.
- F. All metal covers and survey markers within the street slurry seal areas shall be protected by the Contractor in order that the slurry seal will not adhere. The methods of protection shall be approved in advance by the City's Inspector. These areas shall be cleaned no later than twenty-four (24) hours or the following workday after the application of the slurry seal.
- G. Prior to placement of any slurry seal, the pavement edge of all curb ramps shall be cold milled, as specified in Section 905-4.

906-4.4 Mixing and Spreading

- A. Subsection 302-4.6.3 is hereby deleted and replaced with the following:

Slurry seal shall be placed only when the ambient temperature is above 60 degrees and rising. No slurry will be placed during inclement weather or the threat thereof. Contractor shall bear the responsibility of cancellation of work on these days and shall be responsible for any damages that may arise from non-cancellation.
- B. The application of slurry shall be such that the Contractor complies with the restrictions in Section 903-3 herein.
- C. Each slurry crew shall be composed of a coordinator at the project site at all times, a competent quick-set mixing man, a competent driver, sufficient traffic control personnel and sufficient laborers for any handwork and cleanup.
- D. No slurry seal shall be placed on a wet street or crossing without the City's consent.
- E. In areas with existing asphalt berms, the slurry application shall include the entire berm.
- F. Intersections and commercial driveways shall be completed in two or more parts to allow ingress and egress to traffic.
- G. When necessary to provide vehicular or pedestrian crossing over the fresh slurry, the City will direct the Contractor to spread sufficient sand or rock dust on the affected area to eliminate tracking or damage to the slurry. Sand

or rock dust used for this purpose shall be at the Contractor's expense. Slurry aggregate is not acceptable for this application. The texture and appearance of the sanded areas shall sufficiently match adjacent work or the area shall be repaired as required by the City at the Contractor's expense.

- H. Contractor shall provide barricades and other traffic control devices as necessary to eliminate traffic on areas of fresh slurry that might sustain damage from such traffic. Any tracking of slurry seal on private property will be the responsibility of the Contractor to correct.
- I. The cost of cleanup and/or damage caused by vehicles tracking through the slurry seal shall be born solely by the Contractor.
- J. Slurry shall be applied with an overlap of the concrete gutter of 1" (1 inch). Any slurry material exceeding the 1" shall be removed by the contractor prior to completion of the project. The overlap dimension of the longitudinal lap joint shall not exceed 6" (six inches) unless directed otherwise by the City.
- K. Where the completed slurry is not uniform in color, the street shall be treated to eliminate the color variation at the Contractor's expense. The method of treatment shall be approved by the City.
- L. The Contractor shall sweep all streets including gutters after slurry application. Additional sweeping may be required by the City at the Contractor's expense if the City determines that sufficient loose material is accumulating after the initial sweeping.
- M. The application rate shall not exceed 200,000 square feet per day on residential streets and 300,000 square feet per day on commercial streets. After 10 consecutive working days of operation, the Contractor may request that these spread rates be increased. In consideration of the Contractor's performance and in the interest of the project, the City may elect to allow this change.

906-4.5 Rolling

After application, all areas receiving slurry seal shall be rolled with a rubber-tire roller. Rolling shall be performed with two complete passes by a 12-ton, nine-wheel, rubber-tired roller with a tire pressure of 50 psi, and the air pressure shall not vary by more than five psi from the designated pressure. Rolling shall be performed after the slurry is applied and as soon as it sets up enough to support the roller and not pick up slurry on the tires.

Areas of shade on the pavement that set up more than 10 minutes later than other areas shall be rolled separately, but as soon as they set up sufficiently to meet the requirements herein. Insufficient rubber-tire rollers to meet these requirements shall be cause for termination of slurry operations until rolling can keep pace with slurry spread.

906-4.6 Test Sections

At least five (5) working days prior to commencement of work and prior to issuing notifications to property owners, Contractor shall perform test sections for review and approval by the City for slurry to be used in the contract. Test sections shall include pavement preparation, crack routing and sealing, and cured slurry seal open to traffic all in conformance with these specifications.

The area of the test sections shall be at least 5,000 square feet. The test section locations shall be in the area of the work. The test section locations shall be in the area of the work and shall be completed prior to 11:00 a.m. to allow for minimum delay of test results. Test section locations shall be approved by the Engineer prior to placing slurry.

If the tested materials and workmanship do not meet specifications, the Contractor shall arrange with the City for subsequent test section locations, sampling, testing and monitoring. All expenses to the City for subsequent test sections shall be reimbursed by the contractor by deduction from the contract price.

The Contractor shall not begin slurry application until the test sections have received written approval by the City. The approved mix design and test section results shall determine the mixing parameters for this project.

906-4.7 Monitoring

The Contractor shall facilitate the following testing and monitoring activities to be performed by the City:

- A. Obtaining load tickets for materials delivered to the stockpile sites (to be given to the City the same day the material is received).
- B. Obtaining tare and loaded weights for each load on each truck at the stockpile site. (Note: If the Contractor agrees to fill oil and water prior to weighing loaded trucks, the tare weight need only be taken as required by the City.)
- C. Obtaining measurements of emulsion and water added for each truck at the stockpile site.
- D. Obtaining volumetric measurements of rubberized slurry for each truck.

- E. Sampling for Wet Track Abrasion Testing at the work sites.
- F. Measurement of street area covered.
- G. Monitoring of work quality and traffic control.

906-5 MEASUREMENT AND PAYMENT

Measurement and payment for slurry seal will be made at the contract unit price bid per square feet, as shown in the Bid Schedules.

The above contract price and payment shall for slurry seal shall be considered as full compensation for furnishing all labor, materials, tools, equipment, transportation and incidentals for doing all the work involved and necessary for constructing slurry seal, complete in place, including disposal of all extraneous materials as shown on these plans, as specified in the SSPWC and these Special Provisions, and as directed by the Engineer.

SECTION 907

PAVEMENT MILLING

(Bid Item No. 6)

907-1 **SCOPE**

The full width of the existing pavement shall be cold planed as specified herein. The limits, depths, and dimensions of pavement milling are designated on Appendix G.

907-2 **EQUIPMENT**

The machine used for milling shall have performed satisfactorily on similar work and shall meet the following requirements:

The milling machine shall be specially designed and built for milling of bituminous pavements without the addition of heat. It shall have the ability to mill Portland Cement Concrete patches in the bituminous pavement or Portland Cement Concrete pavements. The cutting drum shall be a minimum of thirty (30) inches wide and shall be equipped with carbide tip cutting teeth placed in a variable lacing pattern to produce the desired finish.

The machine shall be capable of being operated at speeds of 0 to 40 feet per minute; it shall be self-propelled and have the capability of spraying water at the cutting drum to minimize dust. The machine shall be capable of removing the material next to the gutter of the pavement being reconditioned and so designed that the operator thereof can at all times observe the milling operation without leaving the controls. The machine shall be adjustable as to slope and depth.

The Contractor's attention is directed to Subsection 3-12.2 "Air Pollution Control" of the Standard Specifications.

907-3 **CONSTRUCTION**

After cold milling Contractor shall place asphalt concrete around all utility covers to serve as a smooth transition from the existing surface to the top of the cover. Contractor will be responsible for maintaining any temporary asphaltic fill material over these facilities until the final paving surface is installed.

Remaining material around utility covers and at gutter lips shall be removed to the depth of the adjacent milled surface after completion of milling. If pavement against utility covers, gutter lips, or other features, cannot be removed by the milling machine, Contractor shall use other means to remove this material.

The surface of pavement after milling shall be uniformly rough. The grade shall not deviate from a suitable straight edge more than three-eighths (3/8) inch at any point. Milling may require more than one (1) inch removal of existing asphalt above gutter lips in addition to the required depth below the gutter lip due to prior overlays.

Pavement against curb faces shall be removed to the full depth designated for that particular section of roadway. If pavement against curb faces cannot be removed by the milling machine, the Contractor shall use other means to remove this material.

907-4 REMOVAL AND DISPOSAL OF MATERIAL

During the milling operation, the Contractor shall sweep the street with mechanical equipment and remove all loosened material from the project site until completion of the removal work. The Contractor shall take all necessary measures to avoid dispersion of dust.

All material removed shall be considered the property of the Contractor and shall be disposed of by the Contractor at its expense. No material shall be stockpiled within City right-of-way. In addition to removing the cold milled asphalt concrete, the contractor shall remove any slurry seal or asphalt concrete which is adhered to the top of the adjacent gutter, cross gutter or spandrel.

907-5 TEMPORARY TRANSITIONS

The Contractor shall construct temporary pavement transitions at all vertical cold milled joints including but not limited to manhole and utility covers, structures, street intersections and driveway approaches prior to allowing traffic onto the cold milled areas. Temporary asphalt transitions shall be five (5) feet per one inch of vertical cold milling depth at the drop off edge of cold milled joint, measured perpendicular to the joint. Ramps shall be constructed the same day as cold milled, continuously maintained, and removed the same day as final overlay cap paving. Temporary pavement transitions shall be constructed on bond breaker material such that upon removal of the temporary pavement transition, a clean notch remains. The Contractor shall install "UNEVEN LANES" and "ROUGH ROAD" signs as directed by the Engineer. Payment for construction, removal, and disposal of temporary asphalt concrete ramps shall be considered included in the item for cold milling.

907-6 MEASUREMENT AND PAYMENT

Milling on roadways to be milled shall be measured and paid for on a square foot basis. Payment will be made at the unit price bid on the basis of actual measured quantities of cold milling completed in accordance with the Plans and these Special Provisions. Such payment shall be considered full compensation for providing all labor and equipment and performing all work related to milling, including dust control and disposal of the material removed, and all incidentals necessary to complete the work in accordance with the Standard Specifications and these Special Provisions.

SECTION 908

ASPHALT TACK COAT

(Not a Bid Item)

908-1 DESCRIPTION

Work to be performed under this Section covers all labor, materials, tools, equipment, and incidentals necessary to furnish, apply, and complete in place tack coat in conjunction with the asphalt concrete overlay and other asphalt paving work. All such work shall conform to the applicable provisions of the Standard Specifications and these Special Provisions.

908-2 MATERIALS

The tack coat shall be asphalt grade PG 64-10.

908-3 APPLICATION

The tack coat shall be applied as specified in Subsection 302-5.4 of the Standard Specifications and these Special Provisions. The Engineer will determine whether the pavement is sufficiently dry for tack coat application. Tack coat shall not be applied when the temperature of the surface to be tacked is below 40° Fahrenheit in the shade.

Contractor shall clean the surfaces to be free of dirt and debris before the application of the tack coat. City Inspector shall approve the surface before the application of tack coat. The tack coat shall be applied only so far in advance of paving as is anticipated for that day's surfacing, as permitted by the City Inspector. Any heated, scarified, recompacted pavement that is not overlaid and which becomes contaminated with dirt, debris, dust, etc., or is left overnight, shall have a tack coat applied prior to overlaying.

Tack coat shall be applied to all vertical surfaces of existing pavements, curbs, gutters and construction joints in the surfacing against which additional material is to be placed, to a pavement to be surfaced, and to other surfaces designated by the City Inspector. Any tack material deposited on concrete surfaces not to be overlaid with asphalt concrete will be removed within five (5) working days or the City will cause the work to be done and any cost incurred shall be deducted from contract retention monies due.

Tack coat shall be applied in one application at a rate of between 0.05 and 0.10 gallons per square yard of surface covered. Tack coat material shall be applied at a minimum temperature of 350 degrees Fahrenheit (F) from a distributor truck equipped with a heating element capable of raising the temperature by at least 3 degrees F per hour.

The tack coat shall be applied by distributor equipment at a uniform rate. In areas inaccessible to the spray bar on the applicator truck, SS-1h emulsion may be substituted and applied from a hand wand at a rate of 0.08 gallons per square yard. In any case where emulsified material is used, the tack coat shall be allowed to completely break, that

is turn completely black (not dark brown), prior to paving.

The area to which the tack coat has been applied shall be closed to public traffic. Care shall be taken to avoid tracking binder material onto adjacent surfaces. If the area is left unattended, then appropriate "fresh oil" signs must be posted. **The Contractor shall be responsible for resolving all claims related to asphalt materials splashed/tracked on vehicle, concrete, and private property.**

The Contractor shall be responsible for protecting existing storm drain catch inlets and ensuring that no tack coat spoils are sprayed into storm drain inlets.

No tack coat shall be left exposed overnight. Immediately in advance of placing the asphalt concrete overlay, additional tack coat shall be applied, as directed by the Engineer, to areas where the tack coat has been destroyed or otherwise rendered ineffective, and no further compensation will be allowed for such work.

Existing concrete curb faces, gutters and driveways shall be protected against disfigurement from the asphalt. Residue of the tack coat material shall be removed from curb faces, gutters, and driveways by sandblasting to the extent required by the Engineer.

908-4 PAYMENT

No separate payment will be made for work or other features as required and outlined in this Section, "Asphalt Tack Coat." Full compensation for such work and features shall be considered included in the price bid for "Asphalt Concrete Pavement," and no additional compensation will be allowed therefore. Such payment shall be considered full compensation for furnishing and maintaining all materials, labor, equipment, and all incidentals necessary to complete the work in accordance with the Standard Specifications and these Special Provisions.

SECTION 909

ASPHALT CONCRETE PAVEMENT

(Bid Item No. 7)

909-1 SCOPE

Work to be performed under this Section covers all labor, materials, tools, equipment, transportation, and incidentals necessary to construct asphalt concrete, including asphalt concrete overlay. All such work shall conform to the dimensions of the plans, the applicable provisions of the Standard Specifications, and these Special Provisions.

909-2 MATERIALS

Material used shall be asphalt concrete as specified in Subsection 203-6 of the Standard Specifications, unless specified below. The class of combined aggregate grading shall be Class C2. The grade of asphalt shall be PG 64-10.

For mixes using RAP, the maximum allowed binder replacement is 25%. For mixes with RAP between 15% to 25%, the performance graded asphalt binder grade with upper and lower temperature classifications be reduced by 6 degrees C from the specified grade.

The mix properties indicated in Table 203-6.4.3(A) shall be modified as follows:

Mix	Design and Production Stability	Target Air Voids	Production Air Voids
C2	35 min.	4.0%	2.5% - 5.5%

TSR shall be a minimum of 70 in accordance with Caltrans Test Methods 371. In place of the TSR requirements, the supplier may add 0.5% of anti-strip. No warm mix additives allowed.

Mix may be rejected if the air voids or stability do not meet the above criteria.

909-3 CONSTRUCTION

The work shall further include preparing the existing street surfaces before paving. Such work shall consist of removing raised pavement markers, removing thermoplastic pavement markings, painted legends, and crossbars (12" white and yellow), controlling nuisance water, sweeping before tack application, watering, and removing loose and broken asphalt concrete pavement and foreign material as specified in the Standard Specifications and these Special Provisions and as required by the Engineer. The minimum ambient temperature to begin paving shall be 55 degrees F. The CONTRACTOR shall use any means necessary to clean the pavement, including sweeping and flushing.

The paving shall be performed in such a way as not to leave any longitudinal paving joints at the end of each day's operation. Longitudinal paving joints shall be wedge-type and shall be constructed as shown on the plan details.

The longitudinal and transverse paving joint layout shall be submitted to the Engineer for approval and shall be reviewed at the pre-paving meeting.

Failure to meet the joint requirements will subject the Contractor to liquidated damages in the amount of \$1,000 per joint.

909-3.1 Cold Joints

All cold joints, both longitudinal and transverse, shall be heated with a torch immediately before paving. Care shall be exercised so as not to damage the asphalt concrete by burning or excessive aging, as determined by the engineer. Damaged material shall be removed by saw cutting to form a new cold joint, followed by torch heating. Cold joints include previous passes placed more than three hours prior. All cold joints shall be tack-coated.

Failure to meet the cold joint requirements will subject the Contractor to liquidated damages in the amount of \$5,000 per joint.

909-3.2 Leveling, Transitions, and Asphalt Concrete Fills

A leveling course of variable thickness shall be placed and compacted prior to placing the surface course at locations where directed by the Engineer, as needed. The leveling course will be used to correct pavement irregularities such as rutting, variable cross slope, or variable longitudinal slope. Where two overlays of different thickness abut at a longitudinal joint, the CONTRACTOR shall add to the thinner section to match the thicker lift and provide a smooth transition and uniform cross-fall. Cold planing ridges or other rises in the pavement surface may be required by the Engineer. The Engineer will determine the exact limits and thickness of the leveling courses, asphalt concrete fills, and transitions. Areas to receive AC Fill shall be completed prior to performing leveling course work. CONTRACTOR shall perform AC Fills to improve surface drainage as shown on the plans and as directed by the Engineer.

909-3.3 Layout

The CONTRACTOR shall lay out and mark the location of the edges of the paving passes of the surface course to match the new layout of the lane lines. The layout shall be made at least 24 hours before paving. The layout shall be approved by the Engineer before paving.

If the striping is to remain unchanged, the edges of the paving passes shall conform to existing lane edges.

In all cases where practical, each lane shall be paved in a single pass. In tapered transition areas, the shoulder areas shall be paved first, then the through lane shall be hot-lapped immediately after the shoulder paving.

For paving which incorporates new quarter-points or grade breaks due to key cuts or other conditions, the CONTRACTOR shall provide equipment capable of adjusting to the new surface profile at the appropriate locations. The profile adjustments shall be within twelve inches of the actual quarter-point or grade break.

The CONTRACTOR shall take sufficient measurements during laydown to assure that the full design asphalt concrete layer depth is provided at each quarter-point, grade break, or transition. Failure to provide the design depth at these areas will result in rejection of the work. Correction of this rejected work will include milling out the new asphalt concrete from the road edge to the centerline or nearest inside lane line and repaving. The minimum length of the milled and corrected area shall be fifty feet.

909-3.4 Tolerances

The finished asphalt concrete surface shall be flush with, to 1/4 inch (0.02 feet) (6 mm) above the gutter lips. The finished pavement surface shall not be lower than the gutter lips.

The average pavement thickness shall be equal to the specified thickness for the project. For total pavement thicknesses less than four inches, the minimum allowable thickness will be 1/4 inch less than that specified. For total pavement thicknesses of four inches or more, the minimum allowable thickness will be 1/2 inch less than that specified.

The provisions of Section 302-5.12 shall apply and shall be modified to provide that the straightedge shall be 12 foot in length.

909-3.5 Automatic Screed Controls

For all main line street or roadway paving with a single lane length exceeding 300 feet, automatic screed controls shall be required.

In addition to the requirements in Subsection 302-5.9 of the SSPWC, asphalt concrete shall be placed with spreading equipment equipped with fully automatic screed and grade sensing controls, which shall control the longitudinal grade of the screed. Automatic controls shall conform to and be operated in accordance with the provisions herein.

Unless approved otherwise, ski-type devices with a minimum length of 30 feet shall be used to provide a reference for the grade sensor. Skis shall be constructed and installed in such a manner that a reference to the average elevation of the existing

pavement, along the length of the ski, is maintained at the sensor point. When placing surfacing adjacent to surfacing previously placed in conformance with these provisions, a joint matching shoe of adequate size and type to properly sense the grade of the previously placed mat may be used in lieu of the 30-foot ski.

The ski shall be mounted at a location which will provide an accurate reference for the surfacing being placed. This may require the ski to be mounted ahead of and inside the outer limits of the screed. Automatic cross-slope control may be accomplished by the use of a ski and grade sensor on each side of the paving machine.

Automatic screed controls shall be installed in such a manner that the occasional manual adjustments necessary to maintain the attitude of the screed parallel to the underlying pavement are readily accomplished. Automatic screed controls shall be installed so that with little or no delay, use of the automatic controls can be discontinued and the screed controlled by manual methods.

Should the automatic screed controls fail to operate properly during any day's work, the CONTRACTOR may manually control the spreading equipment for the remainder of that day provided the quality of the work conforms to the requirements of Section 302-5. Should the methods and equipment used for automatic control fail to result in the quality of work required by said Sections, the paving operations will be temporarily discontinued and the CONTRACTOR shall make the necessary changes to the equipment, or furnish other equipment conforming to the requirements herein, before paving is resumed.

If it is determined by the Engineer that the existing grade and cross slope are too irregular for the automatic controls to provide the quality of work required, the use of the automatic controls shall be discontinued and the spreading equipment shall be adjusted by manual methods. Use of automatic controls shall resume when the Engineer has determined that it is again practical and so orders.

909-3.6 Rolling and Compaction

In addition to the requirements of Subsection 302-5.10 and 302-5.11 of the SSPWC, the number of rollers required for each paving operation shall be such that all rolling for density can be completed before the temperature of the asphalt concrete mixture drops below 140 degrees Fahrenheit.

Breakdown rolling shall commence when the asphalt concrete is placed except in cases where mix distortion/shoving rather than compaction is taking place under the roller. In those instances, wait for the mix to cool sufficiently, then breakdown compaction. Rolling shall be accomplished with the drive wheel forward and with the advance and return passes in the same line.

For leveling courses under 1 inch, breakdown rolling shall consist of three coverages with an 8 to 12 ton pneumatic roller followed by a finishing coverage with a steel wheel roller. The rolling may begin with a single pass of a steel wheel roller until the pneumatic has sufficient opportunity to warm up to avoid tracking and picking up material from the mat. The pneumatic roller tires shall be treated with a non-petroleum based product to prevent pickup. Failure to successfully provide for breakdown rolling with the pneumatic roller after a reasonable warm up time will be cause for termination of paving activities until the CONTRACTOR can provide equipment which will perform without pickup. For all other leveling courses, the intermediate roller shall be a 12-16 ton pneumatic roller.

For the percent of maximum theoretical density, the following table shall apply to deductions for average compaction of a subplot:

Reduced Payment Factors for Percent of Maximum Theoretical Density

Mix Type A Percent of Maximum Theoretical Density	Reduced Payment Factor	Mix Type A Percent of Maximum Theoretical Density	Reduced Payment Factor
92.0	0.0000	97.0	0.0000
91.9	0.0125	97.1	0.0125
91.8	0.0250	97.2	0.0250
91.7	0.0375	97.3	0.0375
91.6	0.0500	97.4	0.0500
91.5	0.0625	97.5	0.0625
91.4	0.0750	97.6	0.0750
91.3	0.0875	97.7	0.0875
91.2	0.1000	97.8	0.1000
91.1	0.1125	97.9	0.1125
91.0	0.1250	98.0	0.1250
90.9	0.1375	98.1	0.1375
90.8	0.1500	98.2	0.1500
90.7	0.1625	98.3	0.1625
90.6	0.1750	98.4	0.1750
90.5	0.1875	98.5	0.1875
90.4	0.2000	98.6	0.2000
90.3	0.2125	98.7	0.2125
90.2	0.2250	98.8	0.2250
90.1	0.2375	98.9	0.2375
90.0	0.2500	99.0	0.2500
<90.0	Remove & Replace		Remove & Replace

The CONTRACTOR shall have hand-compaction equipment immediately available for compacting all areas inaccessible to rollers. Hand-compaction shall be performed concurrently with breakdown rolling. If for any reason hand-compaction falls behind breakdown rolling, further placement of asphalt concrete shall be suspended until hand-compaction is caught up. Hand-compaction includes vibro-plates and hand tampers. Hand torches shall be available for rework of areas which have cooled.

After compaction, the surface texture of all hand work areas shall match the surface texture of the machine placed mat. Any course or segregated areas shall be corrected immediately upon discovery. Failure to immediately address these areas shall cause suspension of asphalt concrete placement until the areas are satisfactorily addressed, unless otherwise allowed by the Engineer.

909-3.7 Sampling

The Engineer may sample the asphalt concrete from the plant, windrow, or the mat at various intervals. The CONTRACTOR shall facilitate the sampling process.

909-3.8 Temporary Transitions

The CONTRACTOR shall construct temporary pavement transitions at all paving joints greater than 1 inch prior to allowing traffic onto the paved surface. This includes both longitudinal and transverse paving joints for both leveling and surface courses. Temporary pavement transitions shall have a slope of 20:1 or as approved by the engineer and be constructed on Kraft paper or other suitable bond breaker such that upon removal of the temporary pavement transition, a clean notch remains. The temporary transitions may be constructed of either cold mix or hot mix.

The CONTRACTOR shall construct temporary pavement transitions at all PCC facility transitions greater than 1 inch around corners from beginning of curb return to end of curb return, at PCC cross gutters, and PCC spandrels.

The CONTRACTOR shall continuously maintain the temporary pavement until final paving. Each temporary transition shall be inspected by the CONTRACTOR and repaired as necessary to comply with these provisions at the end of each day including weekends and holidays.

Failure to comply with these provisions will result in a liquidated damage of \$5,000 per day per transition and/or the cost of City crews making the repairs if necessary to correct for public safety.

909-3.9 Quality Control

The Contractor shall provide full time quality control during paving operations for the Standard construction process.

The work shall further consist of preparing the existing street surfaces prior to the paving. Such work shall include removing raised pavement markers, removing thermoplastic pavement markings, painted legends and crossbars (12" white and yellow), controlling nuisance water, sweeping prior to tack application, watering, and removing loose and broken asphalt concrete pavement and foreign material as specified in the Standard Specifications and these Special Provisions and as required by the Engineer. The minimum ambient temperature to begin paving shall be 55 degrees F. The CONTRACTOR shall use any means necessary to clean the pavement, including sweeping and flushing.

The paving shall be performed in such a way as to not leave any longitudinal paving joints at the end of each day's operation. Longitudinal paving joints shall be wedge type and shall be constructed as shown on the plan details.

The longitudinal and transverse paving joint layout shall be submitted to the Engineer for approval and shall be reviewed at the pre-paving meeting.

Failure to meet the joint requirements will subject the Contractor to liquidated damages in the amount of \$1,000 per joint.

909-4 MEASUREMENT AND PAYMENT

The measurement and payment for asphalt concrete, complete in place, will be made at the contract unit price per ton (U.S. standard measure, 2,000 pounds) as shown in the Bid Schedule for the various types of asphalt concrete. Asphalt concrete used in other items of work, including but not limited to digouts, shall be included in the respective bid items.

The above contract price and payment shall include full compensation for furnishing all labor, materials, tools, equipment, transportation and incidentals, and for doing all the work involved in constructing asphalt concrete pavement, tack coat, including leveling course, complete as detailed, and as specified in the Standard Specifications and these Special Provisions.

"A.C. Pavement (Class C2, PG 64-10)" will be measured and paid for by the Ton. Measurement and verification of quantities shall be coordinated with the Project Inspector by the Contractor. The contract price paid per TON for "Asphalt Concrete Pavement (Type C2 PG 64-10)" shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals and doing all work involved in constructing asphalt concrete, including mix design preparation, contractor quality control complete in place, as shown on the plans and as specified in these Technical Specifications or as directed by the Engineer.

SECTION 910

ADJUST UTILITY COVERS

(Bid Item No. 8 through 10)

910-1 **SCOPE OF WORK**

All manhole, water/gas valves, sewer clean-outs, water meters/boxes, and pull boxes shall be adjusted to finish grade after construction operations are completed as directed by the Engineer. The work includes manhole frames, grates, covers, utility valve and pull boxes. All covers shall be marked and protected as specified herein.

910-2 **CONSTRUCTION**

The Contractor shall mark, as approved by the Engineer, and completely protect with heavy plastic or other suitable material, as approved by the Engineer, all utility covers or other items which are visible on the surface and will be covered by his operations. This shall be completed prior to the start of that operation and approved by the Engineer.

For all sewer and storm drain manhole covers, the Contractor shall ensure that the pick hole is clear of all asphaltic or fabric materials immediately after each stage of work, thus enabling identification of any sewer system back-up by the visible presence of effluent. The Contractor shall also scribe an "X" into the fresh pavement over all utility covers immediately after each stage of work, to assist crews in locating any covered manhole or valve.

All manhole, utility valve, and pull boxes shall be adjusted to grade after construction of the final resurfacing materials. The length of time between paving and the raising of any given cover shall not exceed seven (7) days. Care shall be taken to keep frames and covers clean. Any materials that have adhered to the frames and covers shall be removed.

The concrete around the manholes shall be left 1-1/2" lower than the adjacent pavement. The surface shall be tack coated with 0.10 gallons per square yard and paved with Type D-3 asphalt concrete. Immediately after placement, the surface shall be sand sealed.

910-3 **MEASUREMENT AND PAYMENT**

Measurement and payment for adjusting manholes to finish grade will be made at the contract unit price per each. The above unit prices include any costs incurred for keeping the manhole cover pick holes clear and for marking with an "X" the fresh asphalt over manhole covers, and no further payment will be made for these items. The above contract unit price shall include full compensation for furnishing all labor, materials, tools, equipment, transportation, coordination with utility owner and incidentals for adjusting utilities in accordance with the Contract Documents.

Measurement and payment for adjusting or removing valves will be made at the contract unit price paid for each. They shall include full compensation for coordination with the utility owner, pavement excavation, valve box, and concrete ring removal and disposal off-site, furnishing and installation of a new valve box, lid, and concrete ring to finish grade and repave around the disturbed area, complete and in place.

Measurement and payment for adjusting water meter boxes shall be made at the contract unit price per each shall include full compensation for excavation, backfill, and compaction, complete and in place.

SECTION 911

PROTECT SURVEY MONUMENTATION

(Not a Bid Item)

911-1 **GENERAL**

The work shall consist of protecting existing survey monumentation both in the existing pavement area and in existing concrete facilities including sidewalks and curbs. The existing monumentation to be protected shall include all existing survey monuments; pipes; railroad spikes; lead and tacks; scribes in concrete; and other survey markers which may be disturbed by the work. The Contractor shall identify such monuments to the City that are not indicated on the plans. The survey monumentation to be protected shall be verified by the City before any work to protect the monument.

911-2 **CONSTRUCTION**

Where a survey monument will be removed due to this construction, the Contractor shall save the monuments, markers, and appurtenances. The Contractor's Surveyor will accomplish the reinstallation of the actual monuments and/or property corners. A forty-eight-hour notification to the City is required before removal of a survey monument tie.

911-3 **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 912

TRAFFIC SIGNING AND PAVEMENT DELINEATION

(Bid Item No. 11 through 18)

912-1 **GENERAL**

Traffic signing and pavement delineation shall consist of restoring the existing painted traffic striping, installing reflective and non-reflective raised pavement markers (including blue hydrant markers), providing traffic signs, and temporary lane line delineation. The Contractor shall locate and reference any existing pavement striping and marking before starting any work at any location, if not shown on the striping plans. The pavement shall be delineated as specified in these Special Provisions and as directed by the Engineer.

The traffic signs, traffic paint, raised pavement markers, reflective materials, the application of new painted striping, and pavement markings, the installation of new raised pavement markers, and the removal of existing signs, striping, pavement markings and raised pavement markers shall conform to the provisions in the SSS Sections: 82, "Signs and Markers"; 84, "Markings"; and 85 " in addition to the Standard Plans, and these Special Provisions. The SSS Measurement and Payment clauses are hereby deleted.

912-2 **REFLECTIVE AND NON-REFLECTIVE RAISED PAVEMENT MARKERS**

Raised pavement markers shall be supplied and placed in accordance with the SSS Section 85 and these Special Provisions.

Pavement markers shall be the type and color shown on the Plans, and the work shall be in conformance with the SSS Subsection 85-1. A materials certificate of compliance will be required before any markers are placed. Placement of the markers shall be in conformance with the provisions of the SSS Subsection 82-5. Pavement markers shall be in place no sooner than fourteen (14) days after the surface course of pavement has been opened to public traffic.

912-3 **PAVEMENT DELINEATION**

Striping, pavement legends, and symbols shall be thermoplastic, painted, and raised markers as shown on the plans. Striping, pavement legends and symbols shall not be placed until spotted and a City representative approves the spotting.

All paint used in this area shall be approved for use by the APCD. Paint shall be applied in three (3) coats with adequate drying time between applications. The first coat of paint shall be applied no sooner than seven (7) calendar days after final paving. The second and third coats shall be applied after the previous coat dries, and both shall be reflectorized. All striping and markings shall be completed within 14 days of completing the paving.

Striping details, pavement legends and symbols shall conform to those in Caltrans Standard Plans, current edition. Pavement legends and symbols shall be white, unless noted otherwise.

All conflicting existing striping and pavement markers, which will not be covered by new construction, shall be removed by wet sandblasting. Painted lines and markings shall be removed by wet sandblasting. In areas adjacent to the pavement overlay where existing striping must be revised to conform to a revised striping pattern on the overlay, conflicting striping shall be removed by wet sandblasting.

912-4 TRAFFIC SIGNS

All details and dimensions for traffic signs shall conform to the Caltrans Sign Specifications, Traffic Manual, Maintenance Manual, and Standard Plans and Standard Specifications. Copies are available from the Caltrans Central Publication Distribution Unit, 6002 Folsom Boulevard, Sacramento, CA 95819. All signs shall be reflectorized high-intensity sheeting on 0.080-inch-thick 5052H38 aluminum. Materials shall be certified by the manufacturer as meeting all applicable specifications.

912-5 TEMPORARY MARKINGS

Temporary pavement delineation shall be furnished, placed, maintained, and removed in accordance with the provisions in the SSS Section 12-3.01, "General," and these Special Provisions. Nothing herein shall be construed as to reduce the minimum standards specified in the Manual of Traffic Controls, or as relieving the Contractor from his/her responsibility as provided in the SSS Section 7-1.04, "Public Safety."

Lane line and/or centerline pavement delineation, where pre-existing or shown to be installed in like kind, shall be provided at all times for traveled ways open to public traffic. Whenever the work causes obliteration of any pavement delineation, temporary pavement delineation or permanent traffic stripes delineation of the appropriate color and detail shall be in place prior to opening the traveled way to public traffic. The delineation shall be placed in the location shown on the striping plans for permanent delineation (modified if necessary to provide a proper length transition to an adjacent Segment).

Existing pavement markers, when no longer required for traffic lane delineation as directed by the Engineer, shall be removed and disposed of in accordance with the SSS Section 84-9, "Existing Markings."

Surfaces on which temporary pavement delineation is to be applied shall be cleaned of all dirt and loose material and shall be dry when the pavement delineation is applied.

The Contractor shall perform all work necessary to establish satisfactory lines for temporary pavement delineation. Temporary pavement delineation that is damaged from any cause during the progress of the work shall be immediately repaired or replaced by the Contractor at the Contractor's expense.

Temporary pavement delineation for lane lines and centerlines shall consist of temporary reflective pavement markers placed and maintained at longitudinal intervals of not more than 24 feet apart. The interval for multiple left turns through intersections shall not be more than 10 feet apart. Temporary reflective pavement markers shall be the same color (yellow to separate opposing traffic or white to separate adjacent lanes in the same direction) as the lane line or centerline that the temporary pavement markers replace. The temporary reflective pavement markers shall be, at the option of the Contractor, one of the following or equal:

Temporary Overlay Marker (Types Y and W) manufactured by Davidson Plastics Company, 18726 East Valley Highway, Kent, Washington 98032, Telephone (206) 251-8140.

Safe-Hit Temporary Pavement Marker, manufactured by Safe-Hit, Corporation, 930 West Hinton Avenue, Building #11, Hayward, CA 95545.

Swareflex Pavement Marker (Models 3553, 3554, Cat Eyes Nos. 3002 and 3004), manufactured by Swarecon and distributed by Servtech Plastics Inc., 1714 South California Street, Monrovia, CA 91016, Telephone (818) 359-9248.

Stimsonite Construction Zone Marker (Model 66), manufactured by Amerace Corporation, Signal Products Division, 7542 North Natchez Avenue, Niles, IL 60648, Telephone (312) 647-7717.

Flex-O-Lite Raised Construction Marker (RCM), manufactured by Flex-P-Lite, Lukens Company, P.O. Box 4366, St. Louis, MO 63123-0166, Telephone (800) 325-9525.

3M Scotch-Lane A200 Pavement Marking System (reflective raised pavement marker on reflective traffic line tape), manufactured by 3M Company, Traffic Control Materials Division, 223-3N 3M Center, St. Paul, MN 55144.

MV Plastic Chip Seal Marker (1280/1281 Series), manufactured by MV Plastics, Inc., 533 Collins Avenue, Orange, CA 92667, Telephone (713) 532-1522.

Temporary reflective tape (intersection multiple left turns only).

Temporary reflective pavement markers shall be applied in accordance with the manufacturer's recommendations. Butyl adhesive pads shall be used to apply temporary reflective pavement markers to the top layer of the permanent surfacing or to the existing surfacing.

Temporary pavement delineation shall be maintained until replaced with the planned permanent pavement striping. When no longer required, temporary pavement delineation that conflicts with permanent pavement delineation, as determined by the Engineer, shall be removed and disposed of in accordance with the provisions in Section 7-1.13 of the SSS, "Disposal of Material Outside the Highway Right of Way."

912-6 THERMOPLASTIC PAVEMENT MARKING MATERIAL

Thermoplastic pavement marking materials and installation shall conform to SSS Section 84-2. Materials shall consist of extruded alkyd binder thermoplastic in conformance with State Specification 8010-19A.

912-7 MEASUREMENT AND PAYMENT

Measurement and payment for traffic signing, striping, and pavement delineation, complete in place, will be made at the contract unit prices for the various bid items shown in the Bid Schedule.

The above contract price and payment shall be considered as full compensation for furnishing all labor, tools, equipment, materials, transportation and incidentals, and for doing all the work involved and necessary for construction of traffic signing and pavement delineation, complete in place, as specified in the SSS and these Special Provisions, and as directed by the Engineer.

Full compensation for the installation, removal and disposal of existing and temporary pavement markers shall be considered as included in the contract unit price bid for other applicable items of work and no additional compensation will be allowed therefore.

Damage to any signs, posts, or post sleeves resulting from construction operations shall be considered included in the contract unit lump-sum prices bid for other applicable items of work, and no additional compensation will be allowed.

Full compensation for furnishing, placing, maintaining, and replacing (regardless of the number of times it is required) temporary pavement delineation, and for removal and disposal of the temporary reflective pavement markers shall be considered as included in the contract prices bid paid for the various items of work and no separate payment shall be made therefore.

Full compensation for removing and disposing of existing or temporary pavement markers shall be considered as included in the contract unit price bid for asphalt concrete pavement and no separate payment shall be made therefore.

SECTION 913

PORTLAND CEMENT CONCRETE IMPROVEMENTS

(Bid Item No. 19)

913-1 **GENERAL**

New and existing concrete facilities, including curb, curb and gutter, local depressions, sidewalk, ADA curb ramps, concrete cross gutters and spandrels, 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.

913-2 **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.

913-3 **MATERIALS**

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

913-4 **CONSTRUCTION**

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

Concrete Sidewalk	VCRdStds Plate E-3, SSPWC 112-2
Concrete Curb	VCRdStds Plate E-1, SSPWC 120-3,
Concrete Curb and Gutter	VCRdStds Plate E-1, SSPWC 120-3,
Concrete Cross Gutter	VCRdStds Plate E-1, SSPWC 122-1
Concrete Curb Ramp	Caltrans SSP A88A, Case A
Sewer Manhole Adjust to Grade	SSPWC 205-3
Storm Drain MH Adjust to Grade	SSPWC 321-2
Water Valve Adjust to Grade	County of Ventura Std. Dwg. W-2

New curb ramps shall include truncated domes in conformance with current standards.

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.

913-5 MEASUREMENT AND PAYMENT

Measurement and payment for concrete curb ramps will be included in the unit price paid per each for P.C.C. Curb Ramps and shall include full compensation for demolition and removal of existing curb ramp, subgrade preparation, furnishing, spreading and compacting PMB, construction of forms; furnishing, placing and finishing concrete; expansion joints, score marks, curing compound, stripping of forms, and installing detectable warning devices; complete and in place.

SECTION 914

RELEASE ON CONTRACT

(Bid Item No. 20)

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
2026 PAVEMENT REHABILITATION PROJECT (M0054)
SPECIFICATION NO. MPK 26-02

LIST OF APPENDICES

APPENDIX A –

Release on Contract

APPENDIX B –

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APPENDIX C –

Standard Plans and Details

APPENDIX D –

Ventura County Air Pollution Control Board Rule 55 Fugitive Dust

APPENDIX E –

Location Exhibits and As-Built Drawings-

APPENDIX F –

City of Moorpark Encroachment Permit Application and Standard Conditions

APPENDIX G –

Quality Assurance Program

APPENDIX H –

Storm Water Pollution Control Plan

Appendix A:

Release on Contract

RELEASE ON CONTRACT

CONTRACT NAME: 2026 Pavement Rehabilitation Project (M0054)

SPECIFICATION NO.: MPK 26-02

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 \$ _____, 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 2020 Slurry Seal and Pavement Rehabilitation 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 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: Linda Myszkowski, Assistant Engineer
(805) 517-6292
LMyszkowski@moorparkca.gov

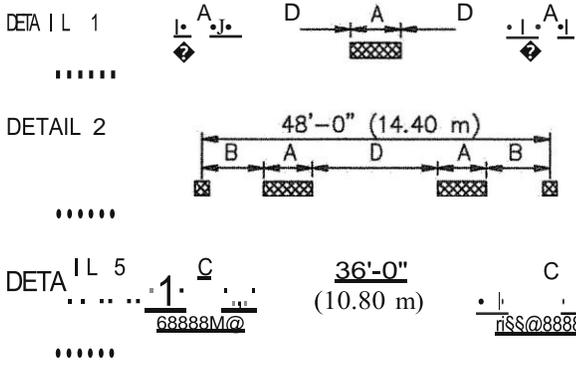
CONTRACT NAME: 2026 Pavement Rehabilitation Project

SPECIFICATION NO.: MPK 26-02

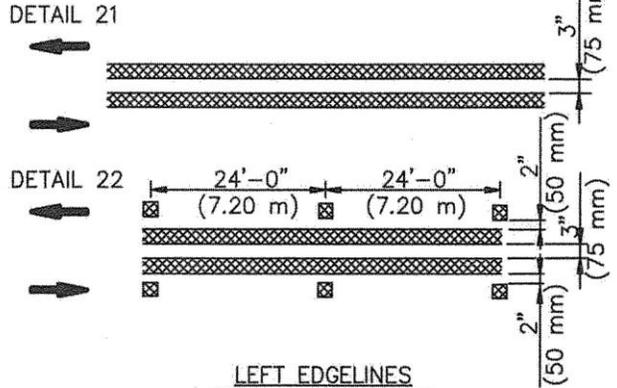
Appendix C:

Standard Plans and Details

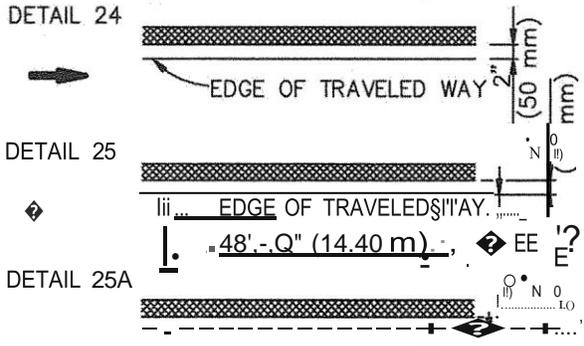
CENTERLINES
(2 LANE HIGHWAYS)



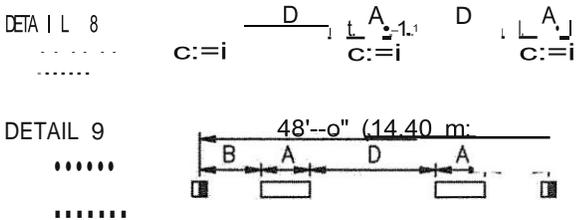
NO PASSING ZONES-TWO DIRECTION



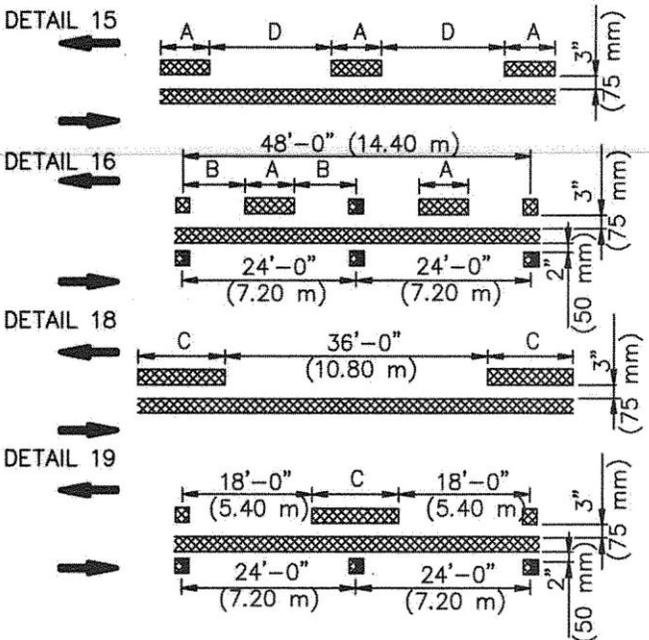
LEFT EDGELINES
(DIVIDED HIGHWAYS)



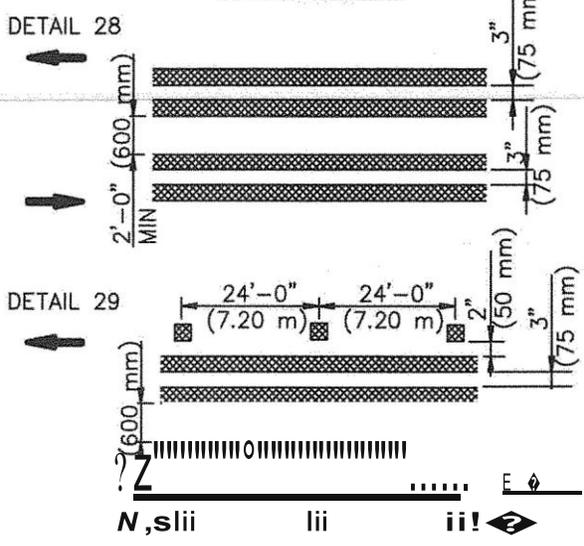
LANELINES
(MULTILANE HIGHWAYS)



NO PASSING ZONES-ONE DIRECTION



MEDIAN ISLANDS



SEE SHEET 2 FOR DIMENSIONS A TO D

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

PROMULGATED BY THE
PUBLIC WORKS STANDARDS INC.
GREENBOOK COMMITTEE
2011

**PAVEMENT MARKERS AND
TRAFFIC LINES**

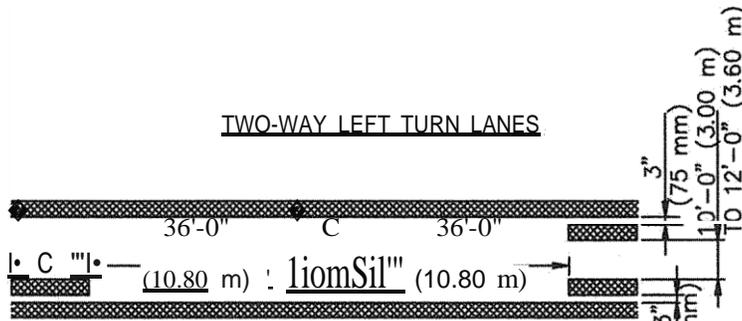
USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

STANDARD PLAN

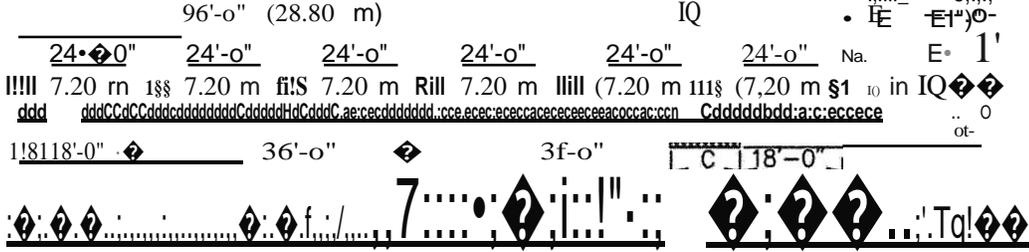
170-0

SHEET 1 OF 4

DETAIL 31



DETAIL 32



DETAIL

CHANNELIZING LINE

3" (75 mm) WHITE LINE

Uri!

BIKE LANE LINE

6" (150 mm) WHITE LINE

DETAIL 39

I

t

DETAIL 38A

8" (200 mm) WHITE LINE

THROUGH TRAFFIC

INTERSECTION LINE

BIKE LANE

DETAIL 39A: 200'-0" (60.0 m) INTERSECTION

4'-0" (1.20 m) WHITE LINE
8'-0" (2.40 m)

LANE LINE EXTENSIONS

THROUGH INTERSECTIONS

DETAIL 40

6'-0"

DIMENSIONS

6'-0" (1.80 m)

4" (100 mm) WHITE LINE

CENTER LINE EXTENSIONS

THROUGH INTERSECTIONS

DETAIL 41

6'-0" (1.80 m)
4" (100 mm)

4" (100 mm) YELLOW LINE

A = 7'-0" (2.10 m)

B = 8'-6" (2.55 m)

C = 12'-0" (3.60 m)

D = 17'-0" (5.10 m)

**ENT MARKERS AND TRAFFIC
LINES**

STANDARD PLAN

170-0

SHEET 2 OF 4

LEGEND

MARKERS

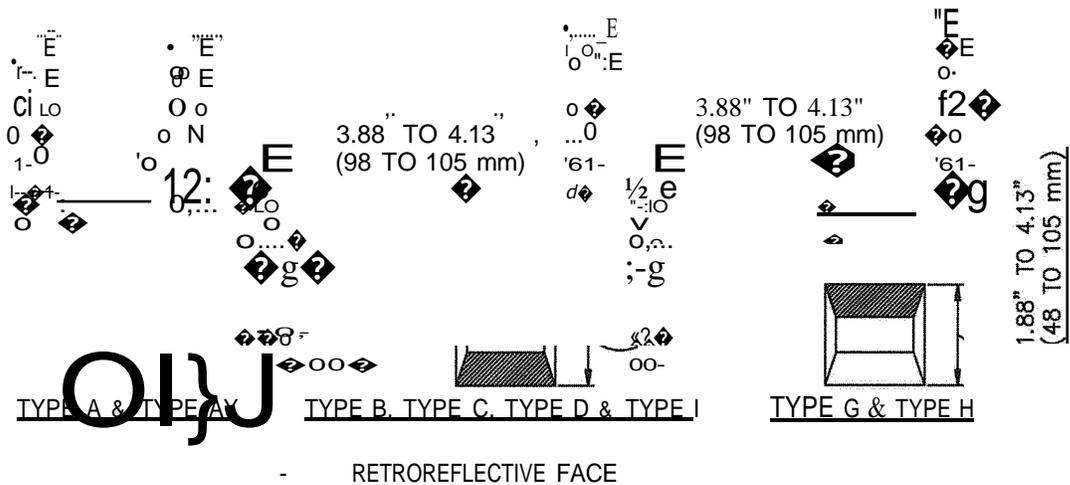
- TYPE A WHITE NON-REFLECTIVE
- ⊙ TYPE AY YELLOW NON-REFLECTIVE
- ⏏ TYPE B CLEAR TWO-WAY RETROREFLECTIVE
- ⏐ TYPE C RED / CLEAR RETROREFLECTIVE
- ⏑ TYPE D YELLOW TWO-WAY RETROREFLECTIVE
- ⏒ TYPE G CLEAR ONE-WAY RETROREFLECTIVE
- ⏓ TYPE H YELLOW ONE-WAY RETROREFLECTIVE
- ⏔ TYPE I BLUE TWO-WAY RETROREFLECTIVE

FILES

— 4" WHITE

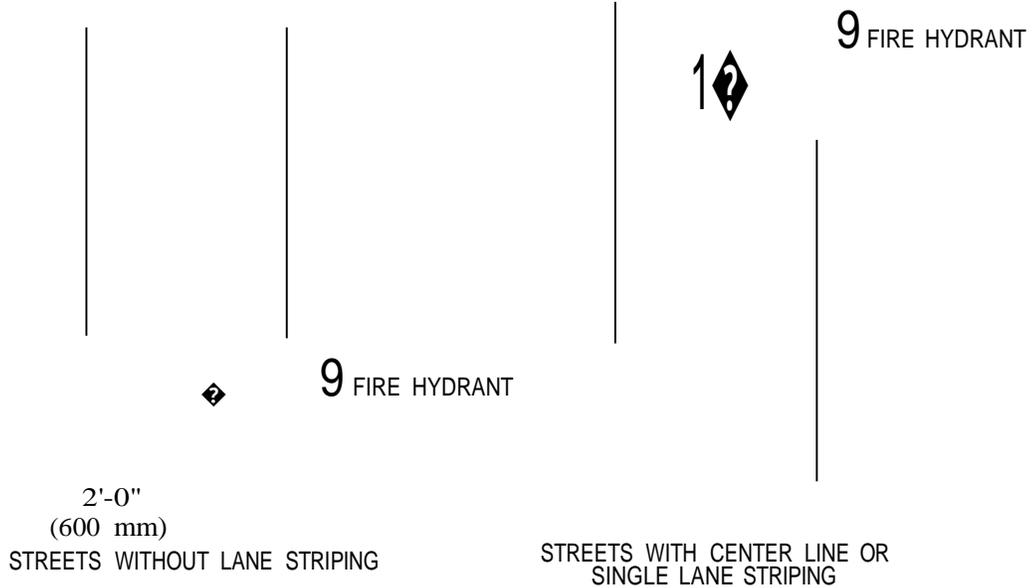
— 4" YELLOW

— DIRECTION OF TRAVEL

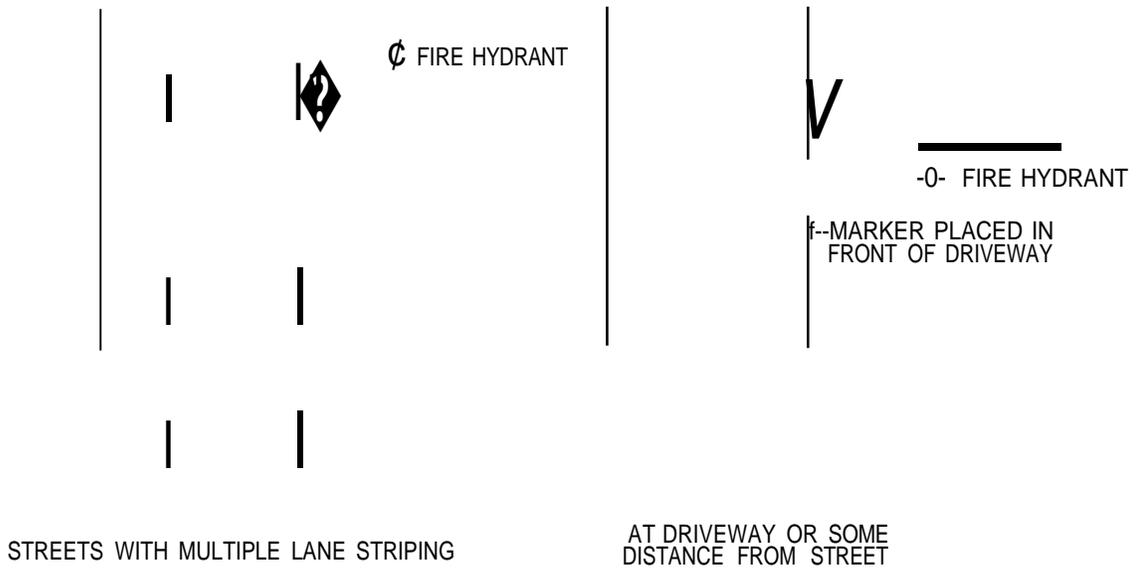


MARKER DETAILS

4" (100 mm) CLEAR. 11•



11• (100 mm) CLEAR



FIRE HYDRANT MARKERS

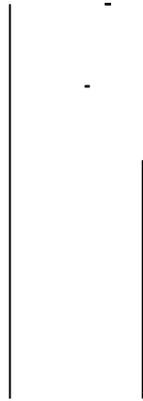
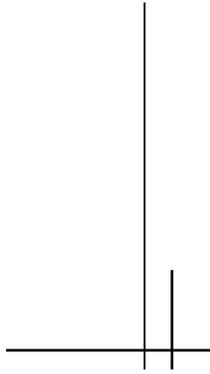
STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

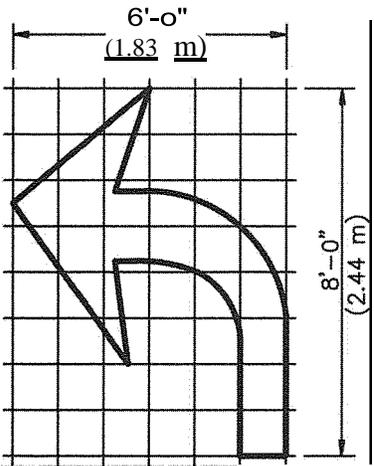
STANDARD PLAN

PAVEMENT MARKERS AND
TRAFFIC LINES

170-0

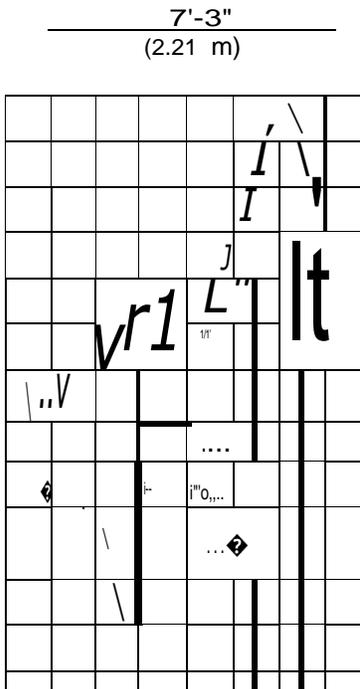
SHEET 4 OF 4





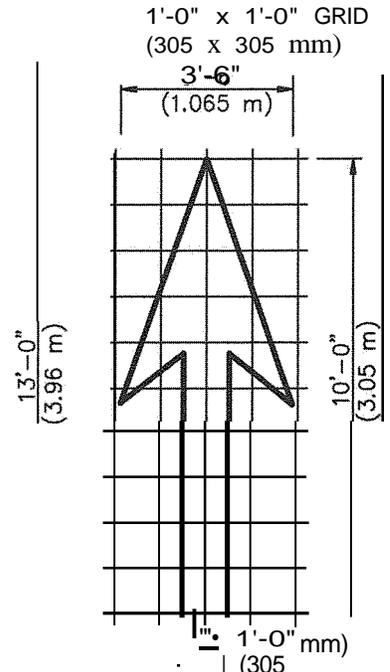
1'-0" x 1'-0" GRID
(305 x 305 mm)
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TYPE II (L) ARROW
(FOR TYPE II (R) ARROW,
USE MIRROR IMAGE)



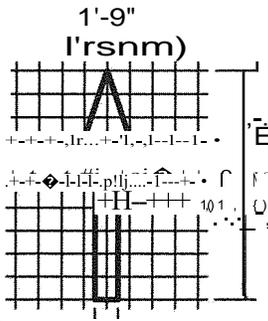
1'-0" x 1'-0" GRID
(305 x 305 mm)
A=27 FT² (2.51 m²)

TYPE III (L) ARROW
(FOR TYPE III (R) ARROW,
USE MIRROR IMAGE)



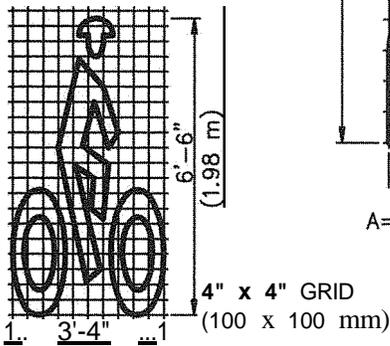
A=14 FT² (1.30 m²)

TYPE I 10' (3 m) ARROW



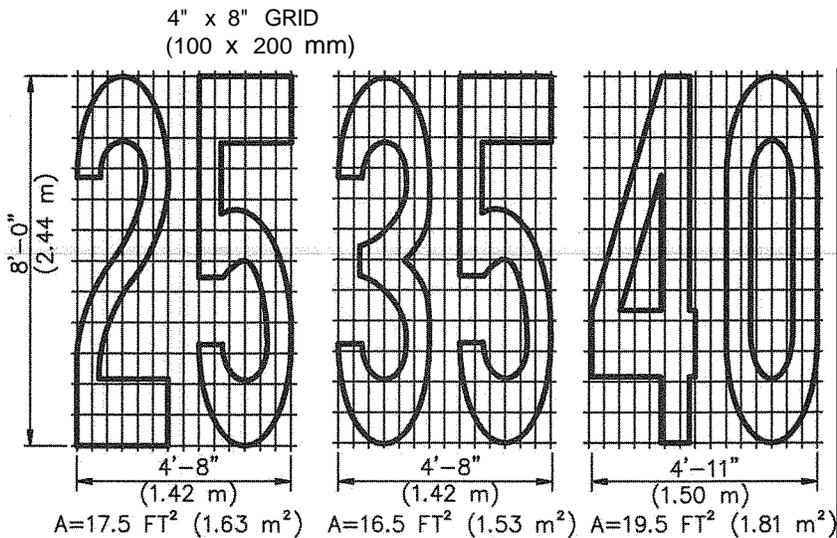
6" x 6" GRID
(150 x 150 mm)
A=7 FT² (0.65 m²)

BIKE LANE ARROW



A=7 FT² (0.65 m²)

BIKE LANE SYMBOL



A=17.5 FT² (1.63 m²) A=16.5 FT² (1.53 m²) A=19.5 FT² (1.81 m²)

NUMERALS

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

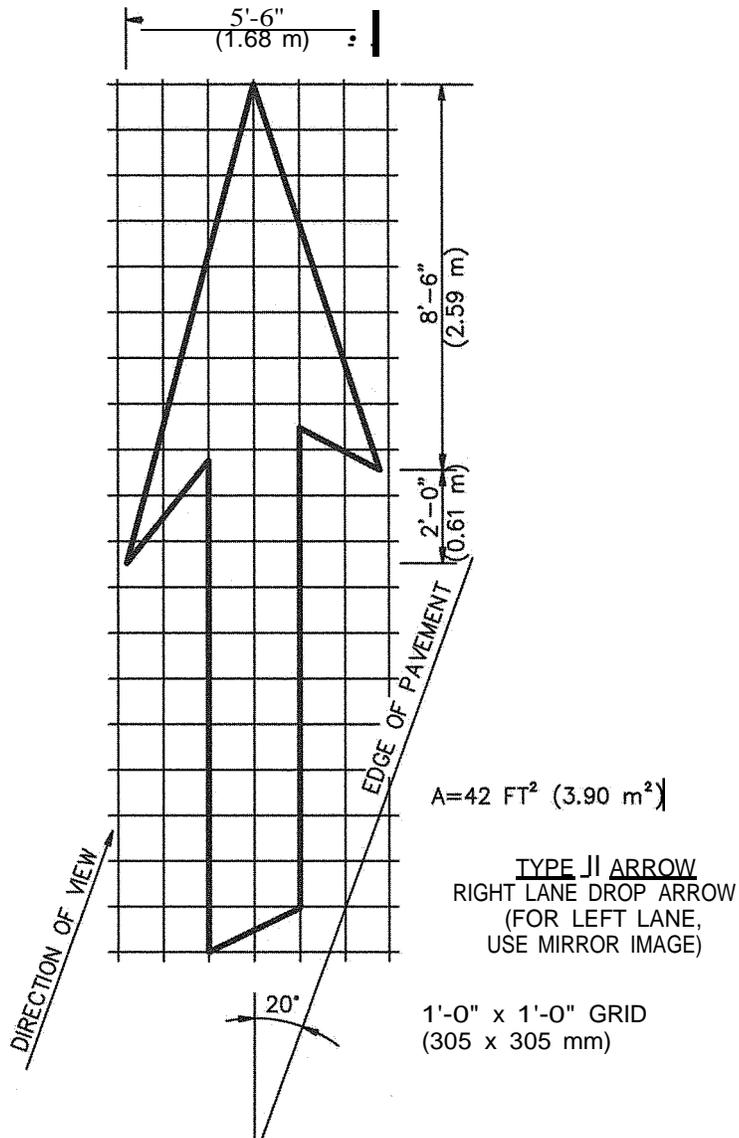
PROMULGATED BY THE
PUBLIC WORKS STANDARDS INC.
GREENBOOK COMMITTEE
2011

PAVEMENT MARKINGS
ARROWS AND SYMBOLS

STANDARD PLAN

171-0

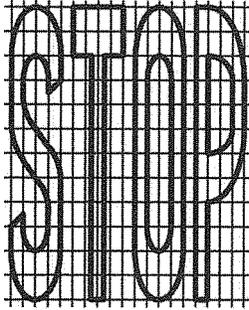
USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION



NOTES:

1. IF A MESSAGE CONSISTS OF MORE THAN ONE WORD, IT SHALL READ "UP"; THAT IS, THE FIRST WORD SHALL BE NEAREST THE DRIVER.
2. THE SPACE BETWEEN WORDS SHALL BE AT LEAST FOUR TIMES THE HEIGHT OF THE CHARACTERS FOR LOW SPEED ROADS, BUT NOT MORE THAN TEN TIMES THE HEIGHT OF THE CHARACTERS. THE SPACE MAY BE REDUCED APPROPRIATELY WHERE THERE IS LIMITED SPACE BECAUSE OF LOCAL CONDITIONS.
3. MINOR VARIATIONS IN DIMENSIONS MAY BE ACCEPTED BY THE ENGINEER.
4. PORTIONS OF A LETTER, NUMBER, OR SYMBOL MAY BE SEPARATED BY CONNECTING SEGMENTS NOT TO EXCEED 2" (50 mm) IN WIDTH.

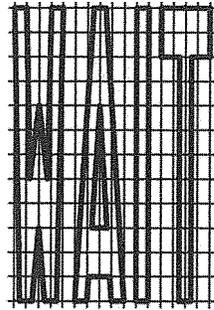
4" x 8" GRID
(100 x 200 mm)



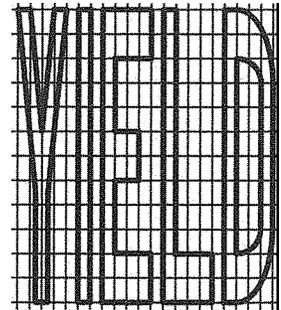
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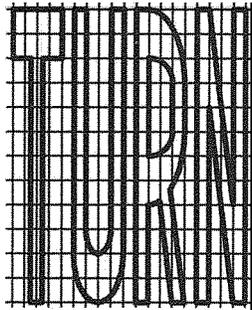
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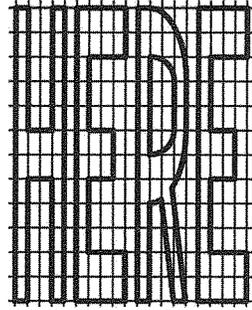
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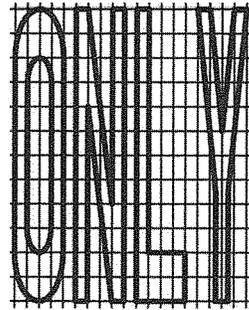
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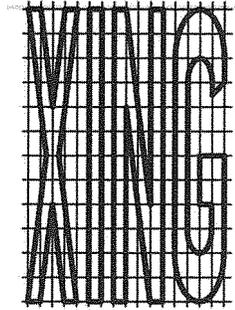
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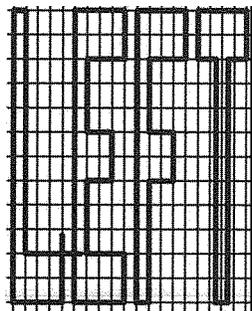
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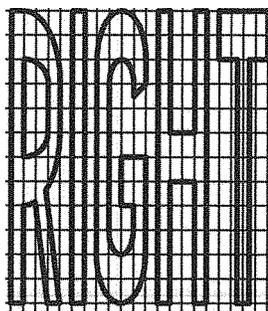
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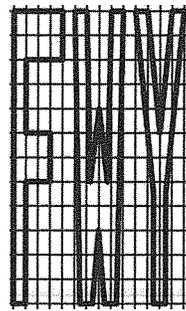
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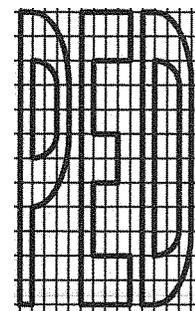
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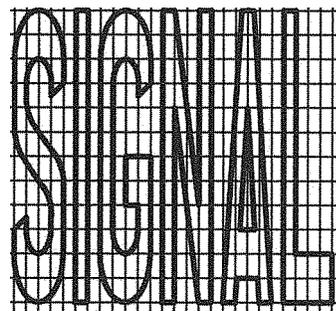
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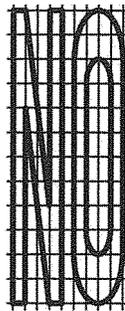
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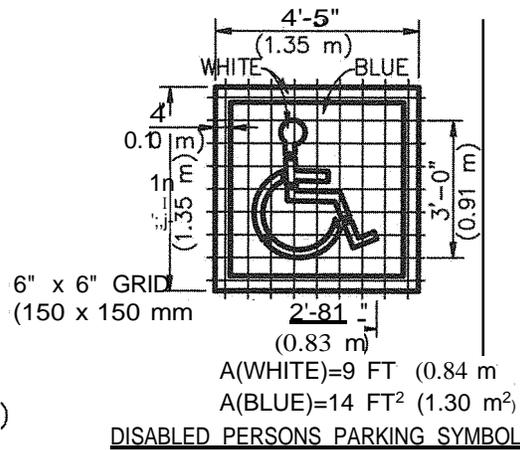
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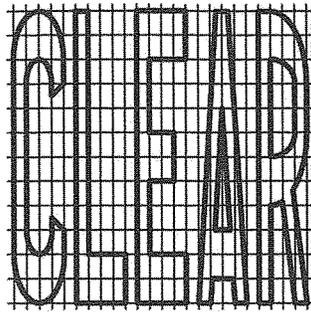


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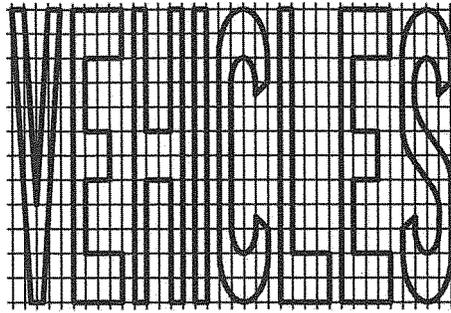
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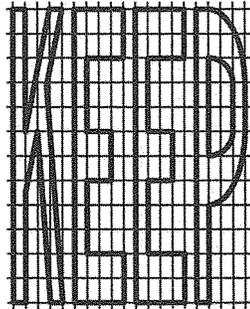


4" x 8" GRID
(100 x 200 mm)

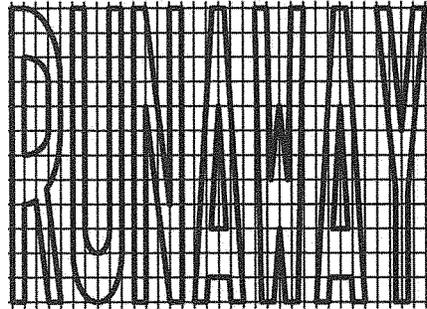
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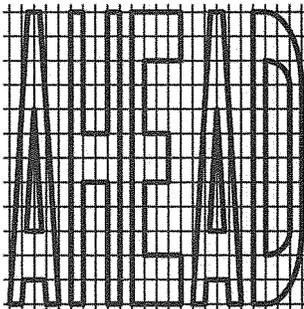
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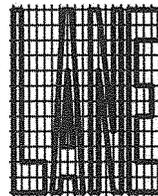
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A=43 FT² (4.00 m²)



A=31 FT² (2.88 m²)

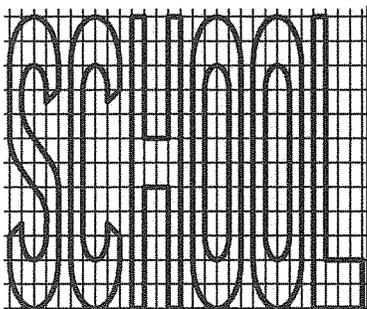


A=6 FT² (0.56 m²)



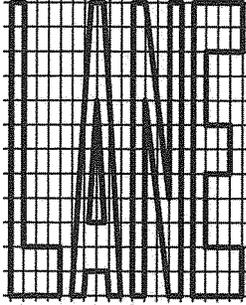
2" x 4" GRID
(50 x 100 mm)

A=5 FT² (0.47 m²)



A=35 FT² (3.25 m²)

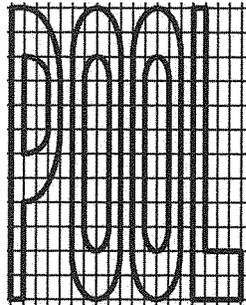
4" x 8" GRID
(100 x 200 mm)



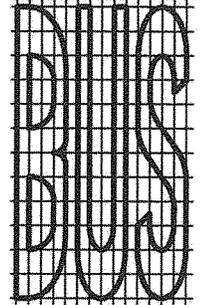
A=24 FT² (2.23 m²)



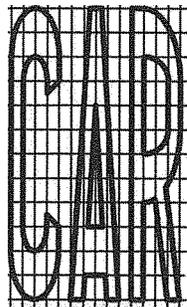
A=21 FT² (1.95 m²)



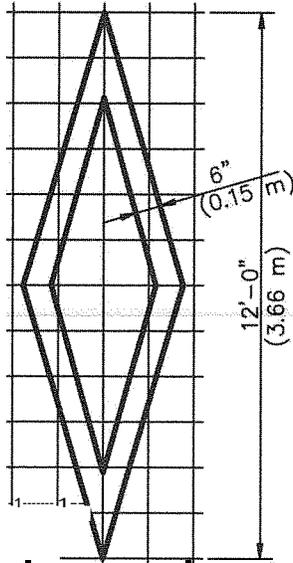
A=23 FT² (2.14 m²)



A=20 FT² (1.86 m²)



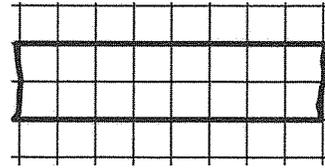
A=17 FT² (1.58 m²)



A=11 FT² (1.02 m²)

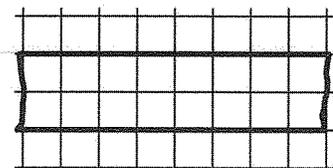
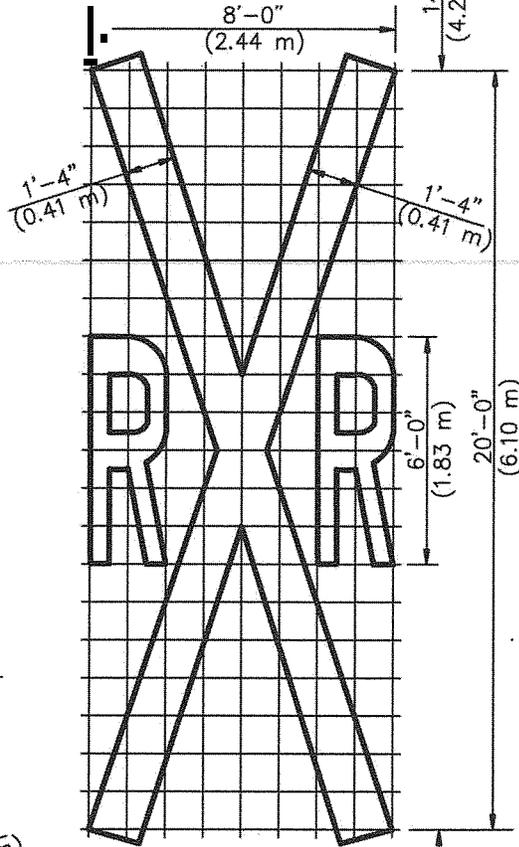
DIAMOND SYMBOL

1'-0" x 1'-0" GRID
(305 x 305 mm)



2'-0" (610 mm)
x WIDTH OF LANE

1'-0" x 1'-0" GRID
(305 x 305 mm)

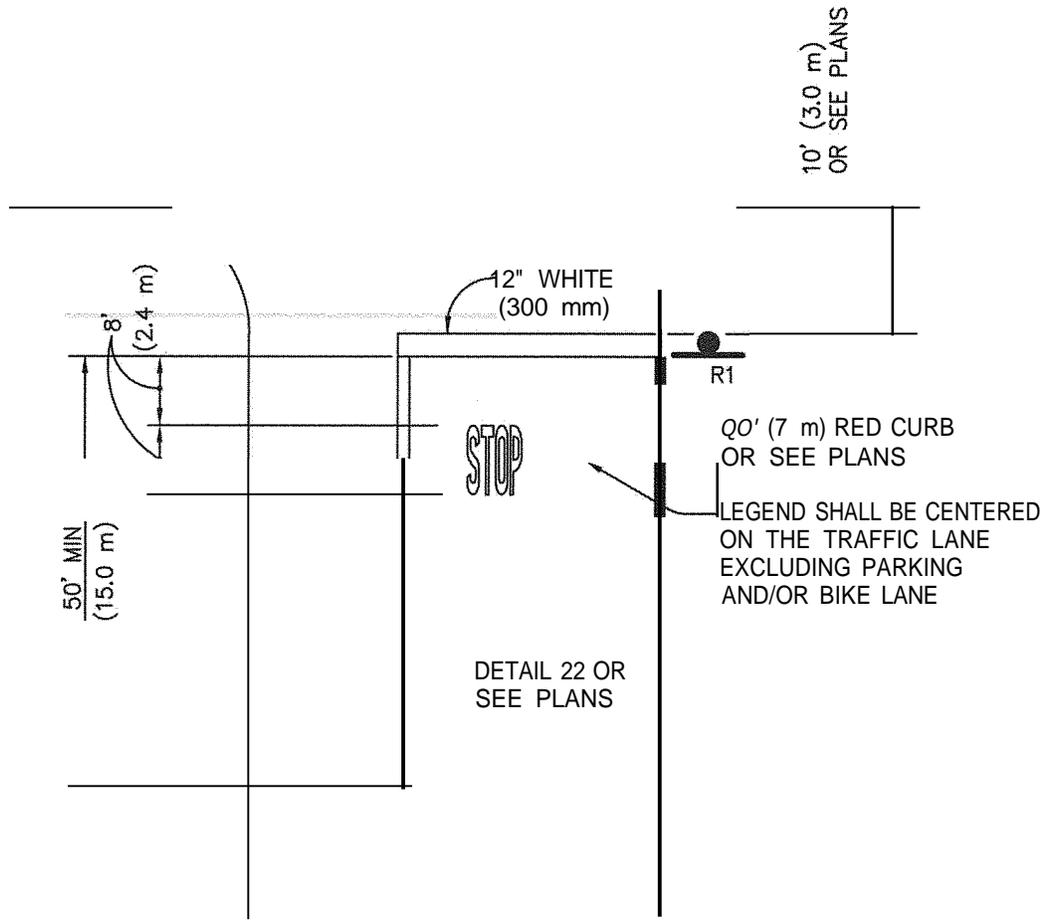


14'-0" (4.27 m)
2'-0" (610 mm)
x WIDTH OF LANE

A=70 FT² (1.86 m²)*

* DOES NOT INCLUDE THE 2'-0" (610 mm) TRANSVERSE LINES.

RAILROAD CROSSING SYMBOL



STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

STOP AND STOP BAR

PROMULGATED BY THE

GREENSOOK COMMITTEE
PUBLIC WORKS STANDARDS INC.
2011

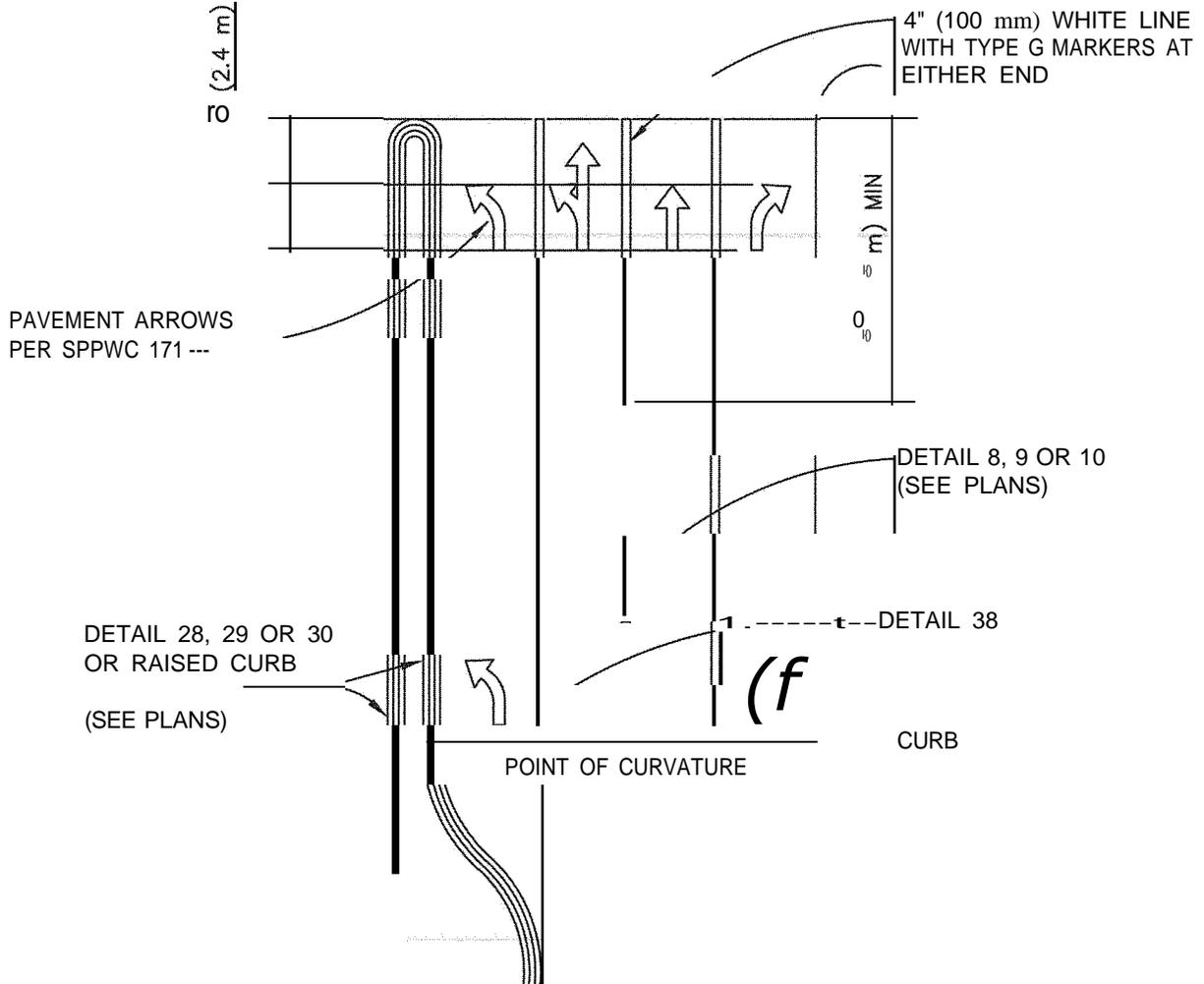
USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

STANDARD PLAN

172-0

SHEET 1 OF 1

CAT-TRACKING PER
SPPWC 170 DETAIL 40



NOTES:

1. ARROWS SHALL BE INSTALLED AT THE BEGINNING OF ALL LEFT TURN AND RIGHT TURN POCKETS.
2. ARROWS SHALL OPTIONALLY BE INSTALLED AT THE END OF LEFT AND RIGHT TURN POCKETS 100' (30 m) OR MORE IN LENGTH.

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

PROMULGATED BY IHE
PUBLIC WORKS STANDARDS INC.
GREENBOOK COMMITTEE
2011

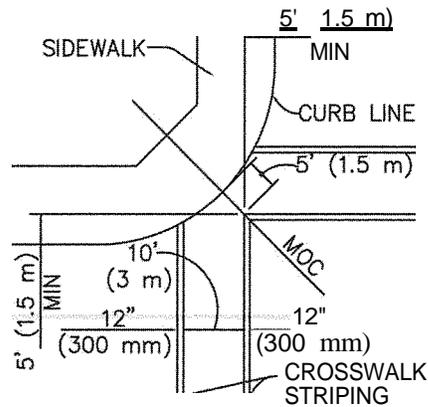
INTERSECTION APPROACH STRIPING

USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

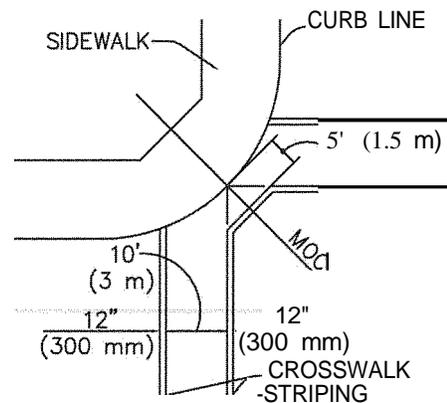
STANDARD PLAN

173-0

SHEET 1 OF 1



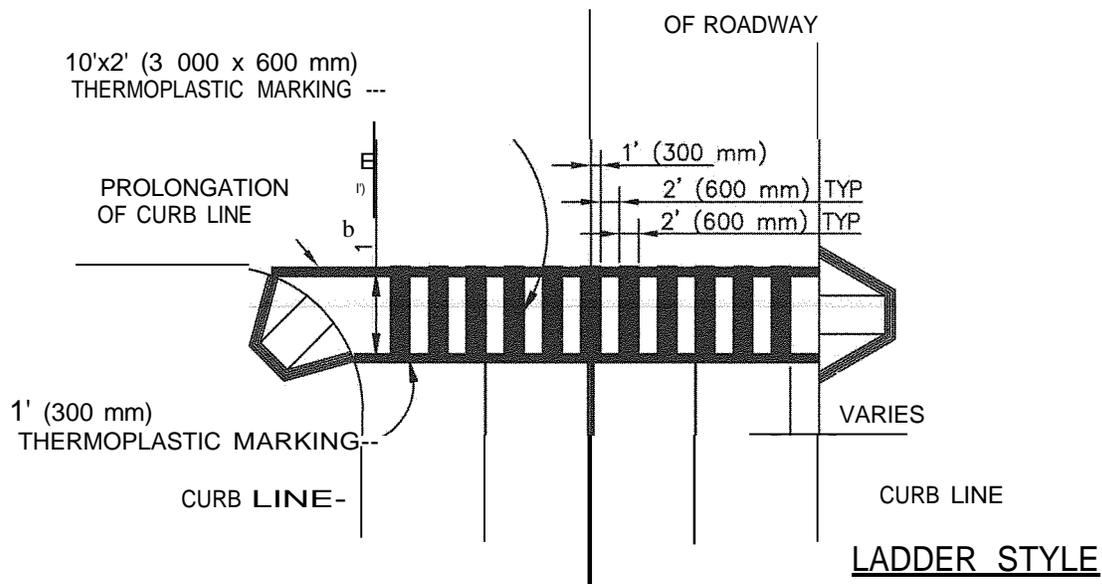
CASE I



CASE II

NOTES:

1. ALL CROSSWALKS SHALL BE WHITE UNLESS NOTED OTHERWISE ON THE PLANS.
2. CASE II SHALL BE USED ONLY IF THE 5' (1.5 m) MINIMUM DIMENSION FOR CASE I CANNOT BE MAINTAINED.
3. CASE I SHALL BE USED WITH 90- DELTA AND 25' (7.5 m) OR GREATER CURB RETURN RADIUS.



STANDARD PLANS FOR PUBUC WORKS CONSTRUCTION

PROMULGATED BY THE
PUBLIC WORKS STANDARDS INC.
GREENBOOK COMMITTEE
2011

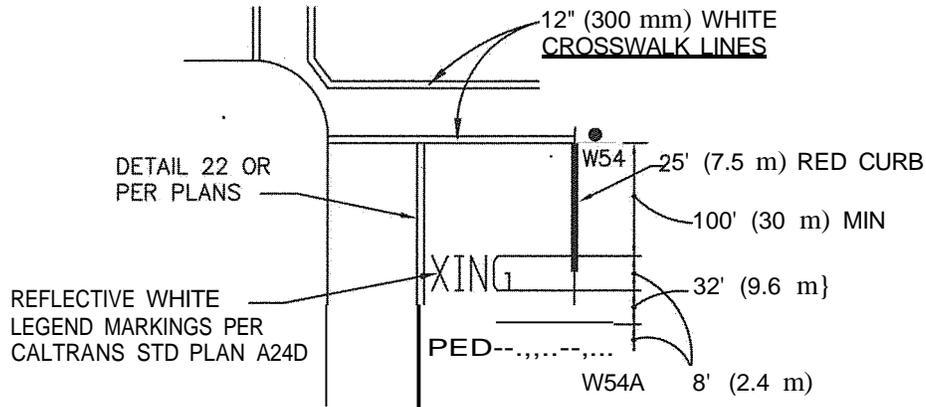
CROSSWALKSTRIPING

USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

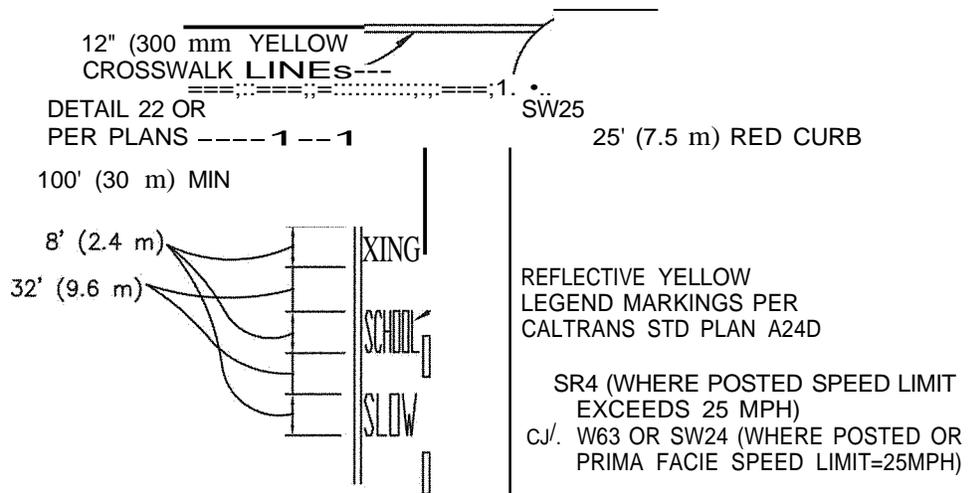
STANDARD PLAN

174-0

SHEET 1 OF 1



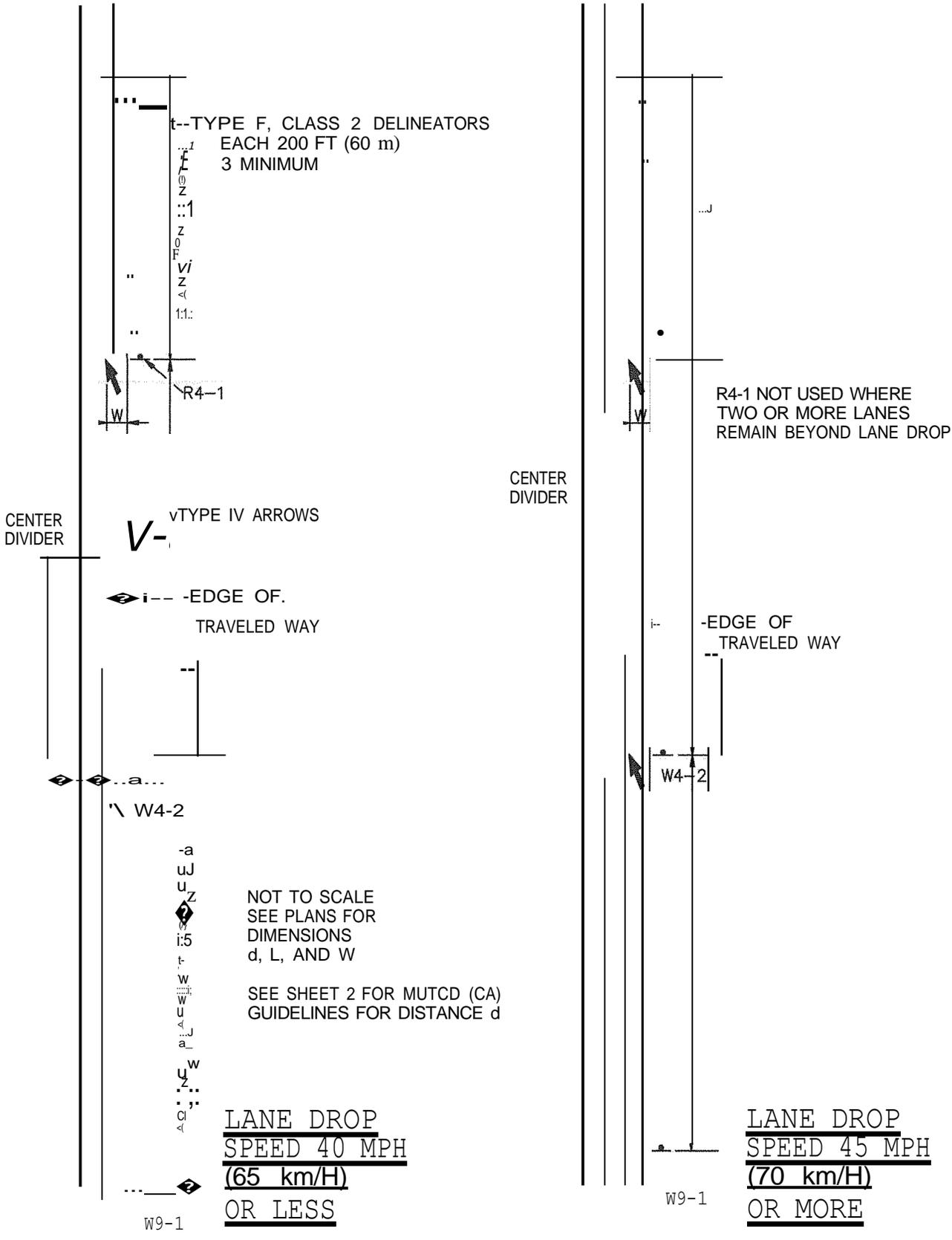
PEDESTRIAN MARKING AT CROSSWALK



PEDESTRIAN MARKING AT SCHOOL CROSSWALK

NOTES:

1. LEGEND SHALL BE INSTALLED IN EACH TRAFFIC LANE APPROACHING A SCHOOL OR PEDESTRIAN CROSSING UNLESS THE PLANS SHOW A DOUBLE SET OF LEGEND MARKINGS INSTALLED IN ONE EXCEPTIONALLY WIDE LANE.
2. LEGEND SHALL BE CENTERED ON THE TRAFFIC LANE EXCLUDING PARKING AND/OR BIKE LANE.
3. MINIMUM RED CURB ON APPROACH CROSSWALK SHALL BE 25' (7.5 m), WITH 15' (4.5 m) ON DEPARTURE LEGS.
4. ALL SCHOOL AND PEDESTRIAN WARNING SIGNS (W54, W54A, W63, SW24, SW25 and SR4) SHALL BE HIGH-VISIBILITY FLOURESCENT YELLOW-GREEN.



STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION
LANE REDUCTION MARKINGS

PROMULGATED BY THE
GREENBOOK COMMITTEE

STANDARD PLAN

PUBLIC WORKS STANDARDS INC.
2011

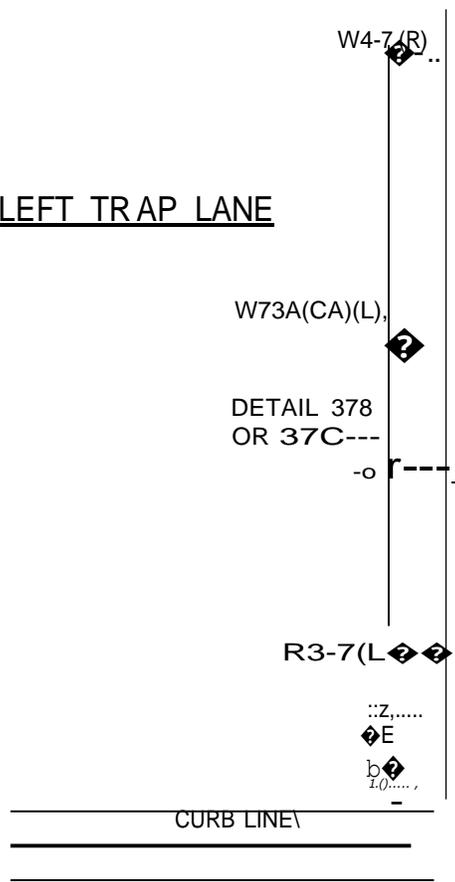
USE WITH STANDARD SPECIFICATIONS fr

176-0
SHEET 1 OF 2

MUTCD (CA) GUIDELINES FOR
ADVANCE PLACEMENT DISTANCE

POSTED OR 85th PERCENTILE SPEED	d
20 mph	225' (59 m)
25 mph	325' (99 m)
30 mph	450' (137 m)
35 mph	550' (168 m)
40 mph	650' (198 m)
45 mph	750' (229 m)
50 mph	850' (259 m)
55 mph	950' (290 m)
60 mph	1100' (335 m)
65 mph	1200' (366 m)
70 mph	1250' (381 m)
75 mph	1350' (411 m)

LEFT TRAP LANE

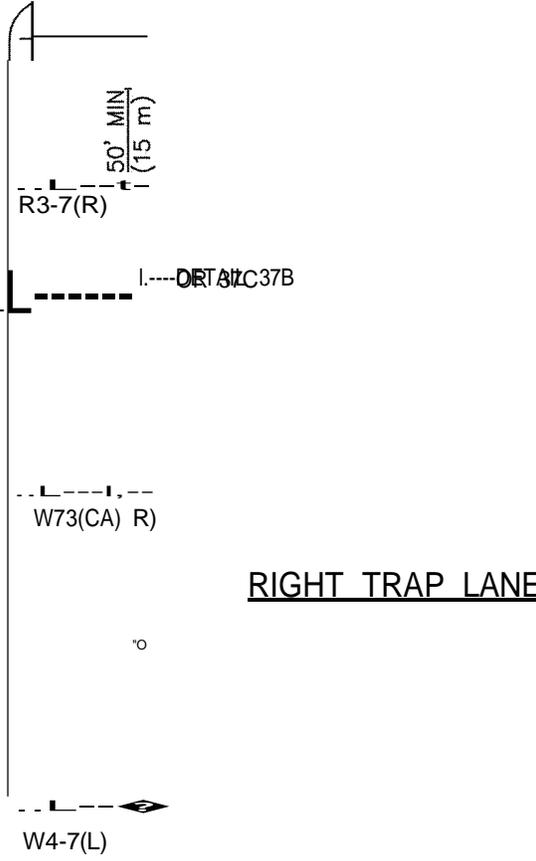


NOT TO SCALE
SEE PLANS FOR DIMENSION d, ADVANCE
PLACEMENT DISTANCE

POST SIGNS IN MEDIAN WHERE POSSIBLE

MUTCD (CA) EXCERPT:

"TYPICAL CONDITIONS ARE LOCATIONS WHERE THE ROAD USER MUST USE EXTRA TIME TO ADJUST SPEED AND CHANGE LANES IN HEAVY TRAFFIC BECAUSE OF A COMPLEX DRIVING SITUATION. TYPICAL SIGNS ARE MERGE AND RIGHT LANE ENDS. THE DISTANCES ARE DETERMINED BY PROVIDING THE DRIVER A PIEV TIME OF 14.0 TO 14.5 SECONDS FOR VEHICLE MANEUVERS (2001 AASHTO POLICY, EXHIBIT 3-3, DECISION SIGHT DISTANCE, AVOIDANCE MANEUVER E) MINUS THE LEGIBILITY DISTANCE OF 175 FEET OF THE APPROPRIATE SIGN."



RIGHT TRAP LANE

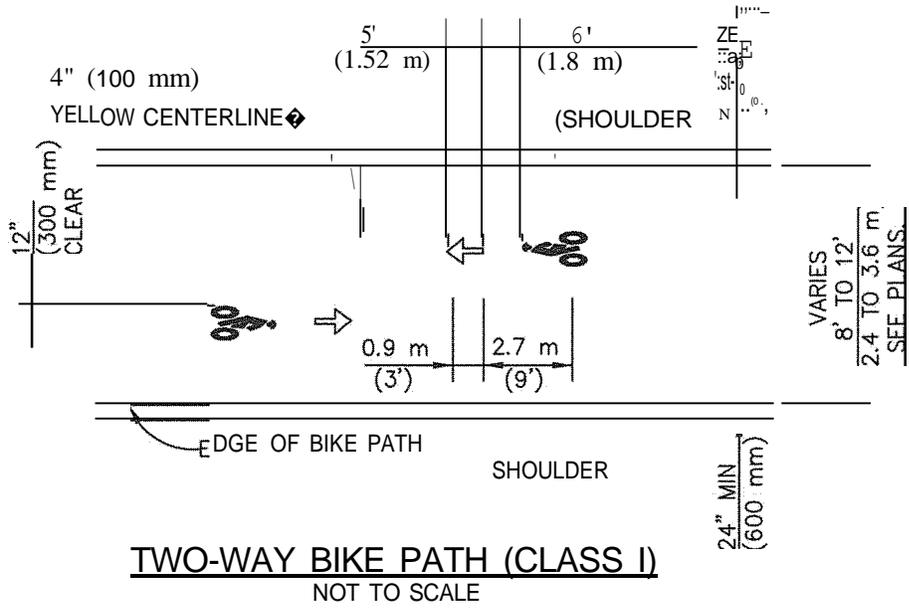
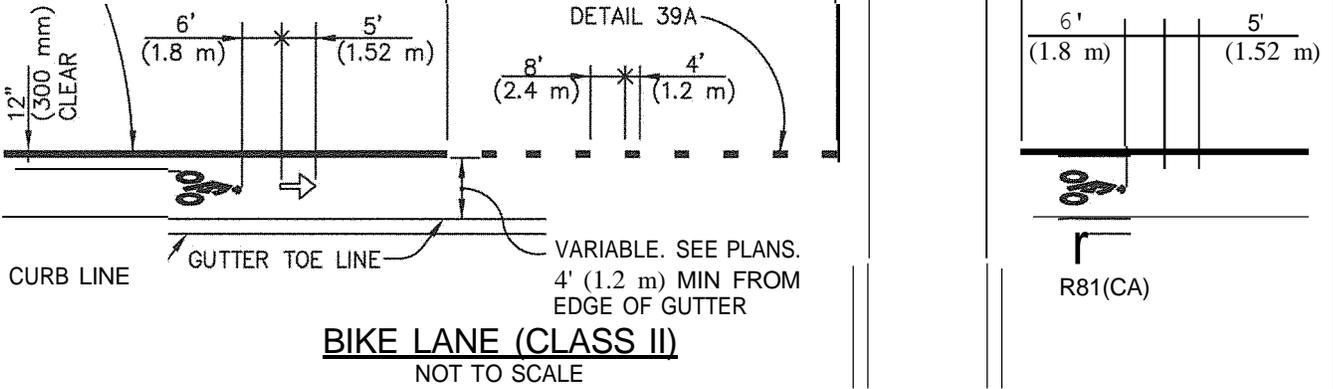
N MARKINGS

STANDARD PLAN

176-0

SHEET 2 OF 2

DETAIL 39
6" (150 mm)
WHITE STRIPING



NOTE:

ALL BICYCLE STRIPING AND MARKINGS SHALL BE WHITE REFLECTIVE PAINT EXCEPT AS NOTED FOR TWO-WAY BIKE PATH.

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

PROMULGATED BY THE
PUBLIC WORKS STANDARDS INC.
GREENBOOK COMMITTEE
2011

BIKE LANE MARKING & STRIPING

STANDARD PLAN

177-0

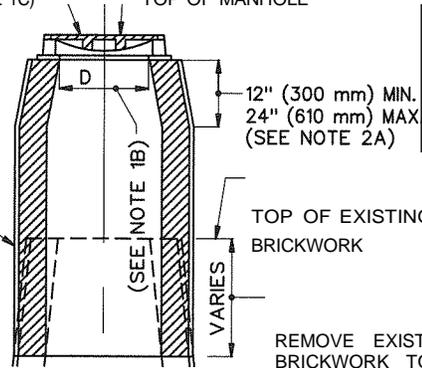
USE WITH STANDARD SPECIFICATIONS

SHEET 1

INSTALL MANHOLE FRAME AND COVER (SEE NOTE 1C)

PROPOSED GRADE OR TOP OF MANHOLE

1/2" (15 mm) CLASS "D" MORTAR



EXISTING

MANHOLE

L t

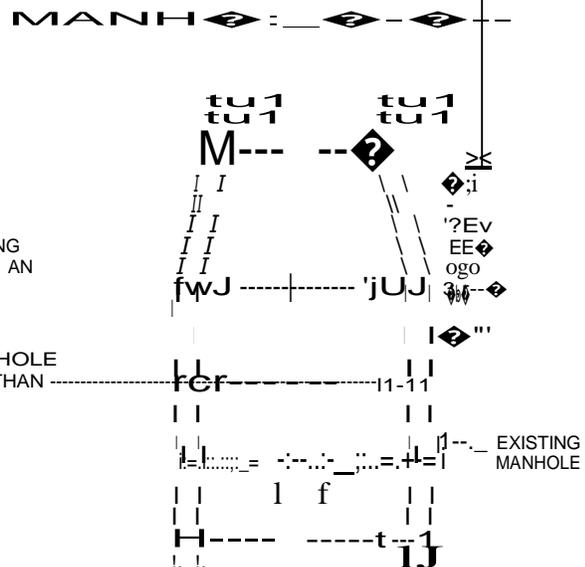
REMOVE EXISTING BRICKWORK TO AN ELEVATION AT WHICH INSIDE

EXISTING MANHOLE IS NOT LESS THAN 30" (750 mm)

INSTALL MANHOLE FRAME AND COVER (SEE NOTE 1C)

PROPOSED GRADE OR TOP OF MANHOLE

EXISTING GRADE OR TOP OF EXISTING MANHOLE (SEE NOTE 1B)



RAISING EXISTING PRECAST CONCRETE SEWER MANHOLES

EXISTING GRADE OR TOP OF EXISTING MANHOLE

RAISING EXISTING BRICK MANHOLES

EXISTING GRADE OR TOP OF EXISTING MANHOLE

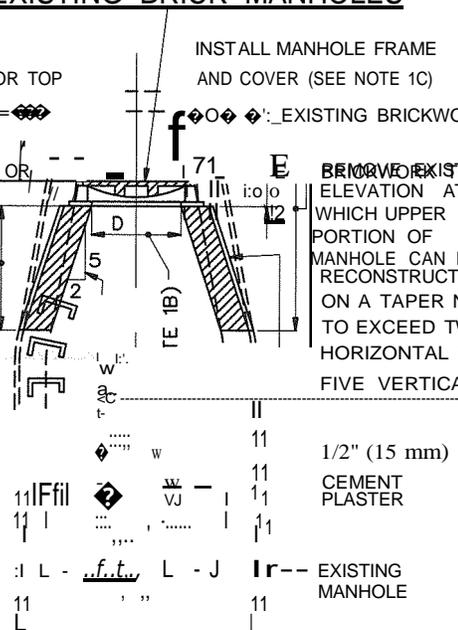
INSTALL MANHOLE FRAME AND COVER (SEE NOTE 1C)

EXISTING BRICKWORK

PROPOSED GRADE OR TOP OF MANHOLE

REMOVE EXISTING BRICKWORK TO AN ELEVATION AT WHICH UPPER PORTION OF MANHOLE CAN BE RECONSTRUCTED ON A TAPER NOT TO EXCEED TWO HORIZONTAL TO FIVE VERTICAL

RECONSTRUCT BRICKWORK, 40" (1 m) MIN.



1/2" (15 mm) CEMENT PLASTER

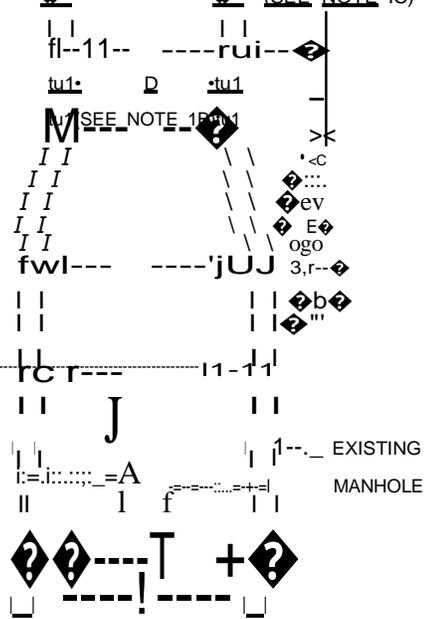
EXISTING MANHOLE

LOWERING EXISTING BRICK MANHOLES

BRICK MANHOLES

PROPOSED GRADE OR TOP OF MANHOLE

INSTALL MANHOLE FRAME AND COVER (SEE NOTE 1C)



LOWERING EXISTING PRECAST CONCRETE SEWER MANHOLES

PRECAST CONCRETE SEWER MANHOLES

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

PROMULGATED BY THE PUBLIC WORKS STANDARDS INC. GREENBOOK COMMITTEE 1984 REV. 1996, 2009, 2021

SEWER MANHOLE ADJUSTMENT

USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

STANDARD PLAN

205-3

SHEET 1 OF 3

NOTES:

1. GENERAL

- A. EXCEPT AS INDICATED HEREON OR ON THE PLANS, MANHOLES SHALL CONFORM TO: SPPWC 200, PRECAST CONCRETE SEWER MANHOLE AND SPPWC 203, BRICK SEWER MANHOLE.
- B. DIMENSION "D" SHALL BE THE SAME AS THE SIZE OF MANHOLE FRAME AND COVER TO BE USED.
- C. THE CONTRACTOR MAY REUSE THE EXISTING MANHOLE FRAME AND COVER, UNLESS DAMAGED DURING THE WORK OR WHEN OTHERWISE SHOWN IN THE CONTRACT DOCUMENTS. ITEMS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED WITH IDENTICAL NEW ITEMS AT NO EXPENSE TO THE AGENCY.
- D. EXISTING STEPS LOCATED WITHIN REMOVAL LIMITS SHALL BE REPLACED. WHEN REMOVAL OF EXISTING STEPS BEYOND THE MANHOLE REMOVAL LIMITS IS SHOWN ON THE PLANS, THE STEPS SHALL BE REMOVED TO A DEPTH OF 2" (50 mm) BEYOND THE INSIDE FACE OF THE BRICK MANHOLE AND THE HOLES SHALL BE FILLED WITH CLASS "D" MORTAR.

2. RAISING EXISTING BRICK MANHOLES

- A. BRICK MANHOLES TO BE RAISED LESS THAN 1' (300 mm) MAY BE EXTEND VERTICALLY, PROVIDED THAT AT A DEPTH OF 2 1/2' (750 mm) BELOW THE TOP OF THE MANHOLE AT ITS NEW ELEVATION, THE INSIDE DIAMETER OF THE MANHOLE IS 30" (750 mm) OR GREATER.
- B. BRICK MANHOLES TO BE RAISED LESS THAN 3 1/2" (90 mm) MAY BE RAISED BY APPLYING CLASS "D" MORTAR TO THE TOP OF THE EXISTING BRICKWORK. IF THE BRICK MANHOLE IS TO BE RAISED 3 1/2" (90 mm) OR MORE, A NEW COURSE OR COURSES OF BRICKWORK SHALL BE PLACED ON TOP OF THE EXISTING BRICKWORK.

3. LOWERING EXISTING BRICK MANHOLES

- A. WHERE A BRICK MANHOLE IS TO BE LOWERED LESS THAN 1' (300 mm), THE FRAME MAY BE RESET ON THE EXISTING BRICKWORK AND THE 40" (1 m) MINIMUM BRICKWORK RECONSTRUCTION OMITTED, PROVIDED THAT THE BASE OF THE FRAME DOES NOT OVERHANG THE BRICKWORK ON THE INSIDE SURFACE OF THE MANHOLE MORE THAN AN AVERAGE OF 1 1/2" (35 mm) IN ANY QUADRANT NOR MORE THAN 2" (50 mm) AT ANY POINT.

4. RAISING EXISTING PRECAST CONCRETE SEWER MANHOLES

- A. PRECAST CONCRETE MANHOLES TO BE RAISED LESS THAN 3" (75 mm) MAY BE RAISED BY APPLYING CLASS "D" MORTAR TO THE TOP OF THE EXISTING MANHOLE, PROVIDED THE TOTAL HEIGHT OF MORTAR, EXISTING AND NEWLY APPLIED, DOES NOT EXCEED 3" (75 mm).
- B. WHERE THE PRECAST CONCRETE MANHOLE IS TO BE RAISED 3" (75 mm) OR MORE, OR WHERE THE TOTAL HEIGHT OF MORTAR, EXISTING AND NEWLY APPLIED, WOULD EXCEED 3" (75 mm), GRADE RINGS SHALL BE UTILIZED. CLASS "D" MORTAR MAY BE USED FOR FINAL ADJUSTMENT, BUT NOT MORE THAN 3" (75 mm) IN HEIGHT. WHERE RAISING THE MANHOLE WOULD RESULT IN THE UPPER SEGMENT OF THE SHAFT BEING MORE THAN 30" (750 mm) IN HEIGHT, REMOVE THE REDUCER AND THE UPPER SEGMENT OF THE SHAFT, INSTALL ADDITIONAL RINGS OR PIPE TO THE LOWER SEGMENT OF THE SHAFT, AND REINSTALL THE REDUCER AND GRADE RINGS AS REQUIRED.

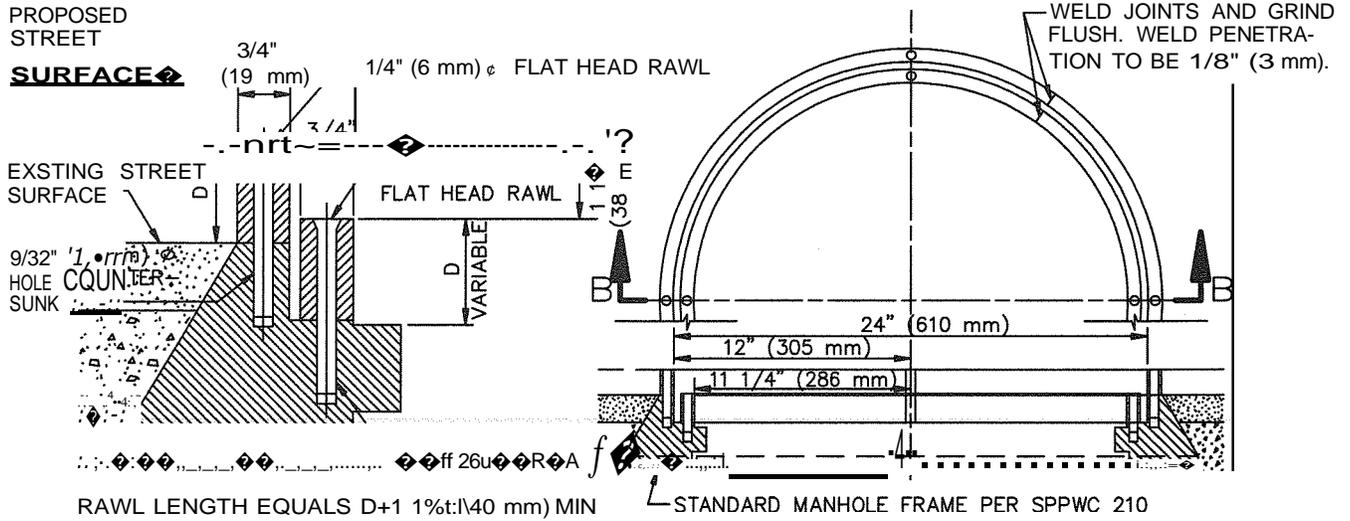
5. LOWERING EXISTING PRECAST CONCRETE SEWER MANHOLES
 - A. REMOVE SUFFICIENT GRADE RINGS TO LOWER THE MANHOLES AS REQUIRED, APPLY CLASS "D" MORTAR TO A HEIGHT NOT EXCEEDING 3" (75 mm) FOR ADJUSTMENT TO FINAL GRADE.
 8. WHERE REMOVAL OF GRADE RINGS WOULD RESULT IN THE UPPER SEGMENT OF THE SHAFT BEING LESS THAN 12" (300 mm) IN HEIGHT, REMOVE THE REDUCER AND SUFFICIENT SECTIONS OF THE LOWER SEGMENT OF THE SHAFT AND REINSTALL ANY NECESSARY SEGMENT OF THE LOWER SHAFT, THE REDUCER, AND THE GRADE RINGS TO CONFORM TO THE REQUIREMENTS OF THIS PLAN.
 - C. EXISTING GRADE RINGS NEED NOT BE REMOVED IF EXISTING MORTAR IS REMOVED, AND AT LEAST 1 1/2" (35 mm) OF MORTAR MAY BE PLACED ON TOP OF THE EXISTING GRADE RINGS TO RESEAT THE FRAME.

6. REPLACEMENT OF BRICK REDUCER WITH PRECAST CONCRETE REDUCER AND SHAFT

UNLESS OTHERWISE INDICATED ON THE PLANS, THE CONTRACTOR MAY INSTALL A PRECAST CONCENTRIC CONCRETE REDUCER, CONCRETE GRADE RINGS, AND CONCRETE PIPE IN LIEU OF RECONSTRUCTING A BRICK REDUCER, PROVIDED:

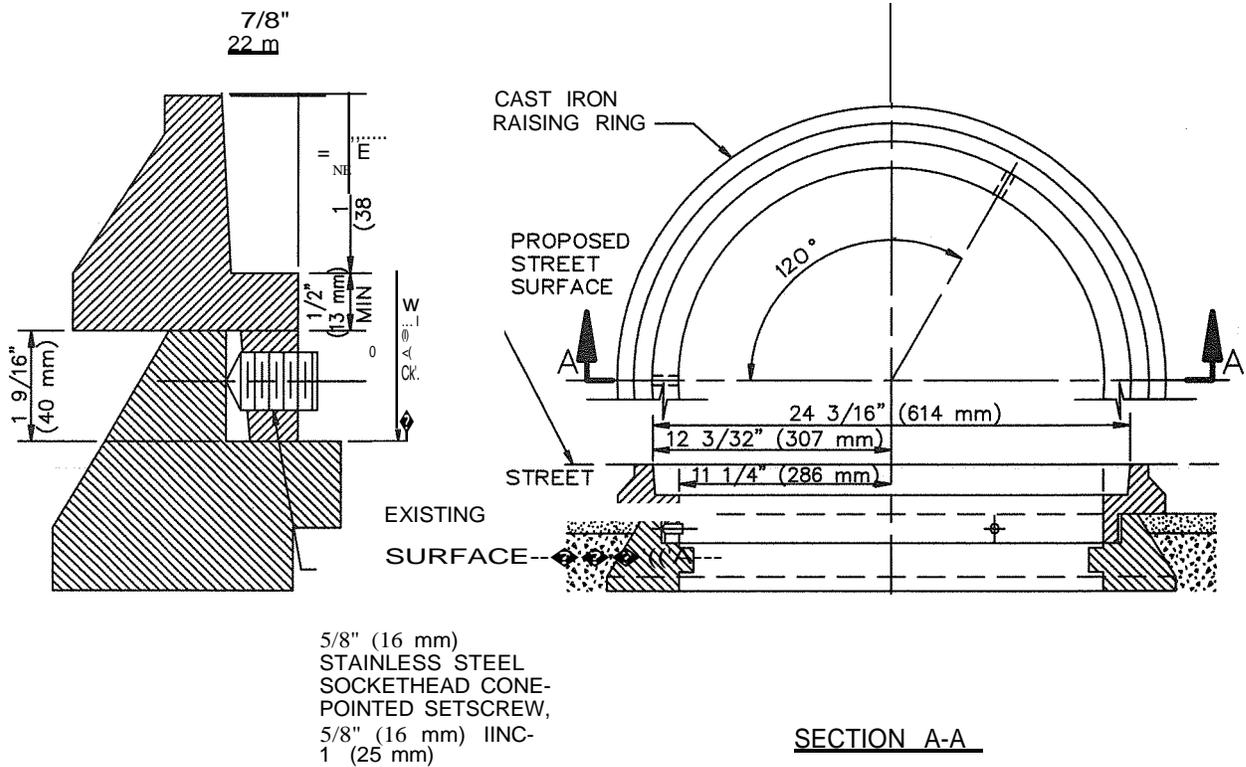
 - A. THE MAXIMUM ID OF SEWER PIPE CONNECTED TO THE MANHOLE DOES NOT EXCEED 8" (200 mm).
 8. THE CONTRACTOR SECURES PRIOR APPROVAL FROM THE ENGINEER TO INSTALL THE CONCENTRIC REDUCER ONTO THE MANHOLE SHAFT. THE ENGINEER MAY, AS PART OF THE INSTALLATION REQUIREMENTS, REQUIRE THE CONTRACTOR TO COAT THE INSIDE OF THE REDUCER, RINGS, AND PIPE WITH AN APPROVED COATING.
 - C. THE CONCRETE GRADE RINGS, THE CONCRETE REDUCER, AND ANY CONCRETE PIPE SHALL BE JOINED TOGETHER AND BEDDED ONTO THE EXISTING BRICK MANHOLE WITH CLASS "D" MORTAR. THE DEPTH, WIDTH, AND THICKNESS OF THE MORTAR SHALL BE OF SUFFICIENT DIMENSIONS TO PROPERLY AND ADEQUATELY JOIN AND BED THE COMPONENT PARTS.

RAISING RINGS TO BE MADE OF STEEL, ASTM DESIGNATION AT MERCHANT QUALITY



SECTION B-B

STEEL RAISING RINGS



SECTION A-A

CAST IRON RAISING RINGS

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

PROMULGATED BY THE
PUBLIC WORKS STANDARDS INC.
GREENBOOK COMMITTEE
1984
REV. 1996, 2009

MANHOLE RAISING RINGS

USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

STANDARD PLAN
206-2
SHEET 1 OF 2

NOTES:

1. MACHINE SEATS FROM CAST IRON RINGS.
2. THE CAST IRON USED SHALL CONFORM TO SSPWC 206-3.
3. THE METAL RAISING RINGS MAY BE USED IN LIEU OF THE REGULAR METHOD OF ADJUSTMENT UTILIZING MORTAR OR BRICK AND MORTAR UNDER THE FOLLOWING CONDITIONS.
 - A. ONLY ONE ADJUSTMENT WITH RAISING RINGS WILL BE ALLOWED ON ANY MANHOLE.
 - B. MAXIMUM "D" SHALL BE 3" (75 mm).

CENTERLINES
(2-LANE HIGHWAYS)

DETAIL 1 7'-0" 17'-0" 7'-0" 17'-0" 7'-0"

=C::: > WSS0001 IIWW-1&I&J

DETAIL 2 48'-0" 8'-6" 17'-0" 7'-0" 8'-6" rs.

DETAIL 3 DELETED
DETAIL 4 DELETED

12'-0" 36'-0" 12'-0"

DETAIL 6 18'-0" 12'-0" 18'-0" rs.

DETAIL 7 DELETED

LANE LINES
(MULTILANE HIGHWAYS)

DETAIL 8 7'-0" 17'-0" 7'-0" 17'-0" 7'-0"

=C::: >

DETAIL 9 8'-6" 7'-0" 48'-0" 17'-0" 7'-0" 8'-6"

DETAIL 9A 8'-6" 7'-0" 48'-0" 17'-0" 7'-0" 8'-6"

DETAIL 10 DELETED

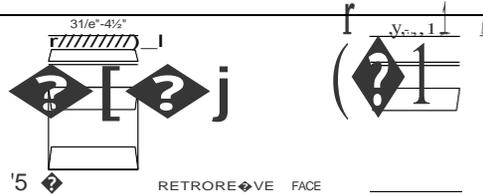
DETAIL 11 12'-0" 36'-0" 12'-0"

DETAIL 12 18'-0" 48'-0" 12'-0" 18'-0"

DETAIL 12A 18'-0" 48'-0" 12'-0" 18'-0"

DETAIL 13 DELETED

DETAIL 14 DELETED



TYPE C AND TYPE H MARKER DETAILS

COUNTY	ROUTE	PROJECT NO.	DATE
REG. I	NEER	September 19, 2025	

PLANS APPROVAL DATE
THE STATE OF CALIFORNIA OR ITS OFFICERS
OR AGENTS SHALL NOT BE RESPONSIBLE FOR
COPIES OF THIS PLAN SHEET.

15 YEARS PROFESSIONAL EXP.
Malik Rehman
No. 2
Exp. 3-31-27
CIVIL
STATE CALIFORNIA

DETAIL 15 **NO PASSING ZONES - ONE DIRECTION**
7'-0" 17'-0" 7'-0" 17'-0" 7'-0"

LOL
=C::: >

DETAIL 16 24'-0" 24'-0" 24'-0" 24'-0"

DETAIL 17 DELETED

DETAIL 18 12'-0" 36'-0" 12'-0"

DETAIL 19 18'-0" 12'-0" 18'-0" 18'-0"

24'-0" 24'-0" 24'-0" 24'-0"

DETAIL 20 DELETED

NO PASSING ZONES - TWO DIRECTION

DETAIL 21 24'-0" 24'-0"

DETAIL 22 24'-0" 24'-0"

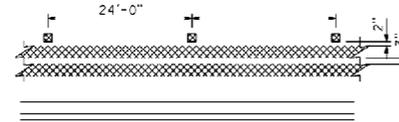
DETAIL 23 DELETED

- LEGEND:**
- TYPE C RED-CLEAR RETROREFLECTIVE MARKER
 - ◆ TYPE D TWO-WAY YELLOW RETROREFLECTIVE MARKER
 - ▮ TYPE G ONE-WAY CLEAR RETROREFLECTIVE MARKER
 - ▯ TYPE H ONE-WAY YELLOW RETROREFLECTIVE MARKER
 - C:::J 6" WHITE LINE
 - ▲ 6" YELLOW LINE

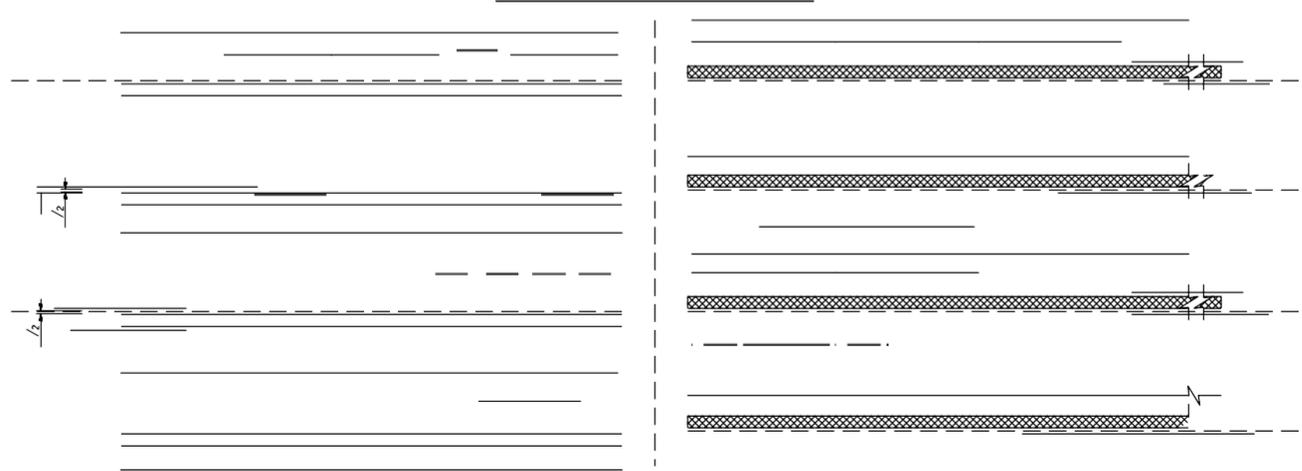
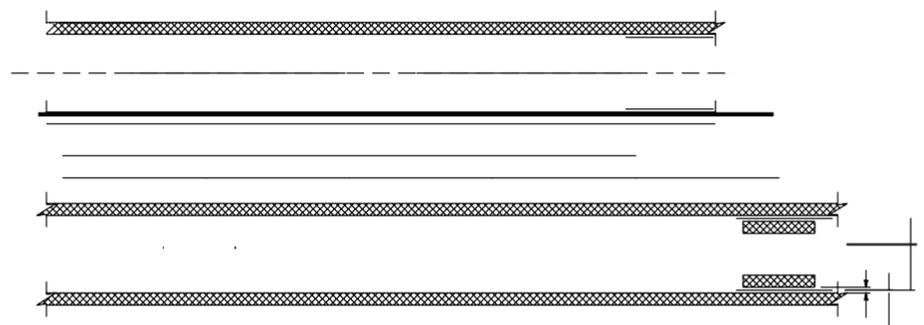
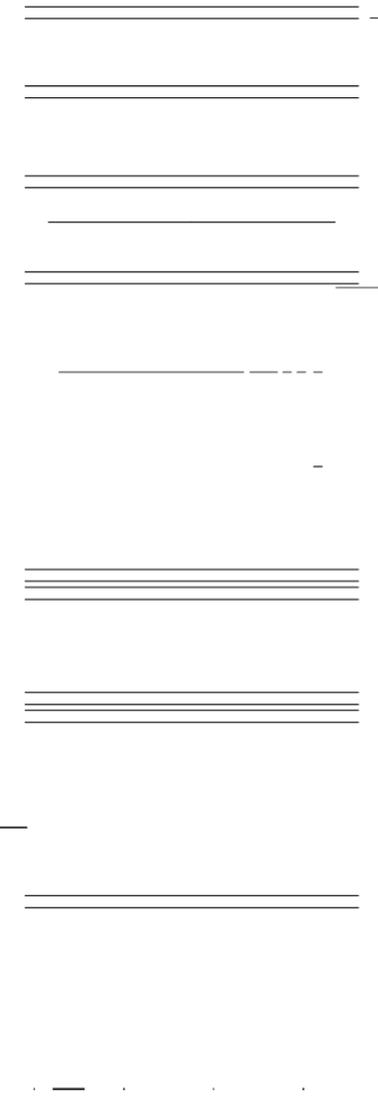
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKERS AND TRAFFIC LINES
TYPICAL DETAILS
NO SCALE

6" YELLOW

DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKERS AND TRAFFIC LINES
 TYPICAL DETAILS
 NO SCALE
A2r



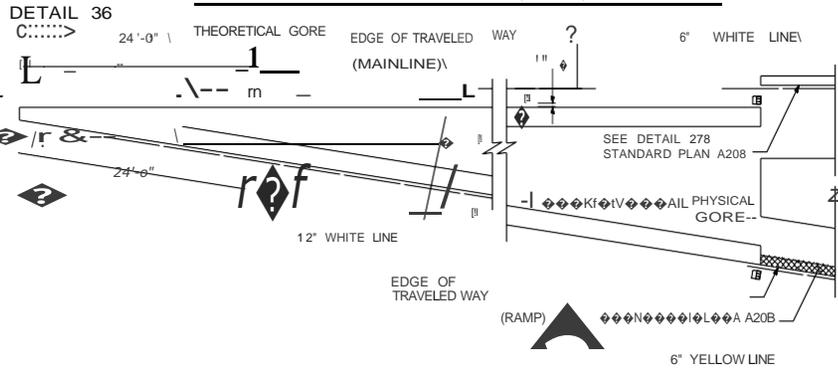
[Return to Table of Contents](#)



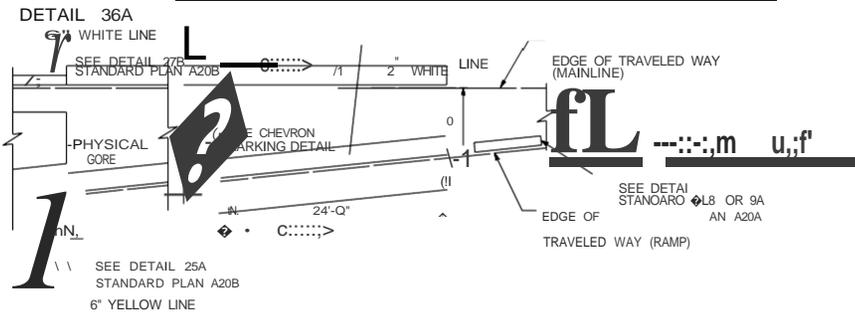
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02
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0B
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0B
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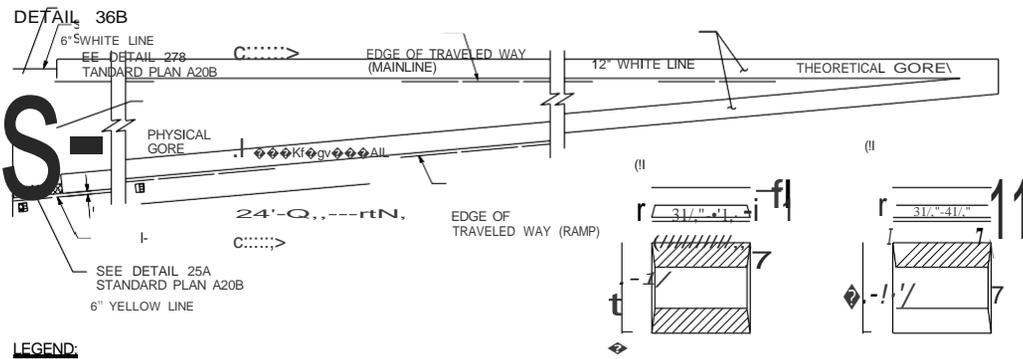
EXIT RAMP NEUTRAL AREA (GORE) TREATMENT



ENTRANCE RAMP NEUTRAL AREA (MERGE) TREATMENT



ENTRANCE RAMP NEUTRAL AREA (ACCELERATION LANE) TREATMENT



LEGEND:

- M TYPE C RED-CLEAR RETROREFLECTIVE MARKER
- J TYPE G ONE-WAY CLEAR RETROREFLECTIVE MARKER
- 1§ TYPE RY RED-YELLOW RETROREFLECTIVE MARKER

- RETROREFLECTIVE FACE
- TYPE C AND TYPE RY
- TYPE G

MARKER DETAILS

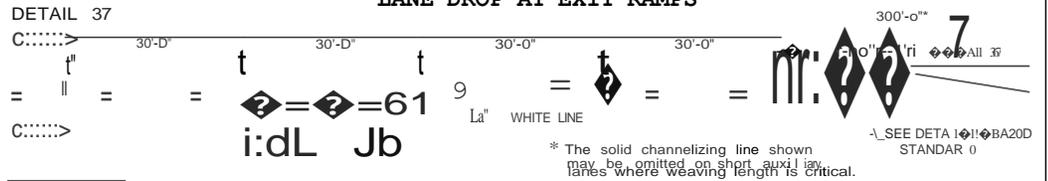
NOTES:

1. Install a minimum of 1 chevron in the gore area. If at least 1 chevron will not fit into the gore area, do not install chevrons.
2. Terminate chevron markings at physical gore.
3. Gore area chevron pavement markings shown. For exit and entrance ramp channelizing lines details, see Details 36, 36A, and 36B.

DISTRICT COUNTY	ROUTE	PROJECT NO.	DATE
REGISTRATION NUMBER September 19, 2025			
PLANS APPROVAL DATE			
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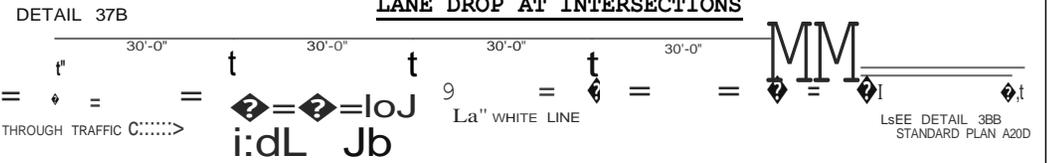
REGISTERED PROFESSIONAL ENGINEER
No. 63390
Exp. 3-31-27
CIVIL
STATE OF CALIFORNIA

LANE DROP AT EXIT RAMP



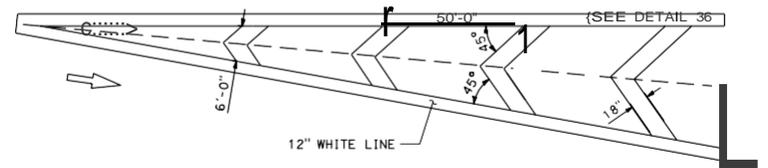
DETAIL 37A DELETED

LANE DROP AT INTERSECTIONS

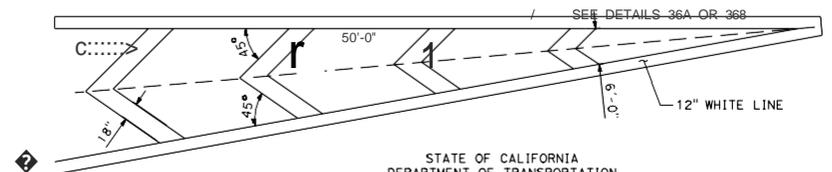


DETAIL 37C DELETED

CHEVRON PAVEMENT MARKINGS AT EXIT RAMP GORE AREA



CHEVRON PAVEMENT MARKINGS AT ENTRANCE RAMP GORE AREA

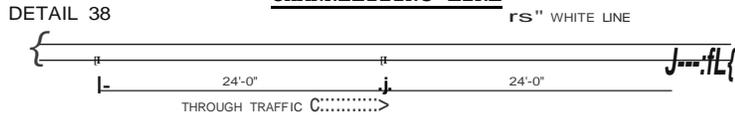


STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKERS AND TRAFFIC LINES

NO SCALE

CHANNELIZING LINE



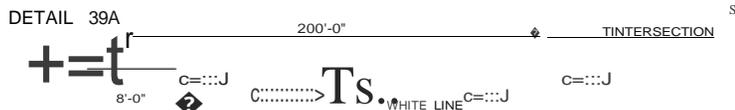
DETAIL 38C
DETAIL 38C DELETED



BIKE LANE LINE



**INTERSECTION LINE
BIKE LANE**



LANE LINE EXTENSIONS THROUGH INTERSECTIONS

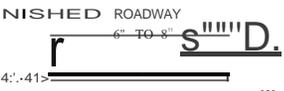
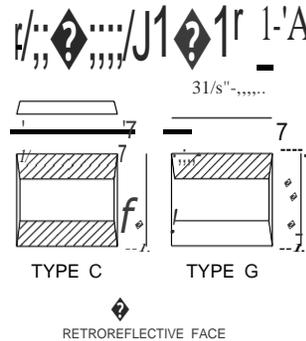


DETAIL 40A
DETAIL 40A DELETED

CENTERLINE EXTENSIONS THROUGH INTERSECTIONS



DETAIL 41A
DETAIL 41A DELETED



DETAIL FOR RECESSED TRAFFIC STRIPE

See Notes A and B

RECESSED NOTES:
A. See typical traffic line details

8. See Standard Specifications for recess depth and recess striping material thickness.

- LEGEND:**
- TYPE C RED-CLEAR RETROREFLECTIVE MARKER
 - TYPE G ONE-WAY CLEAR RETROREFLECTIVE MARKER
 - ◆ 6" YELLOW LINE

CL COUNTY ROUTE TO CL, 0111 J, C, 18&C'S

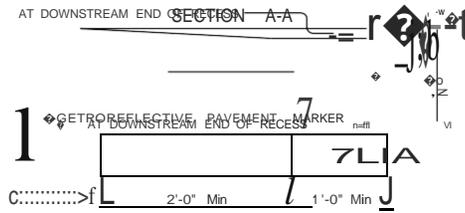
REGIT. NEER

September 19, 2025
PLANS APPROVAL DATE

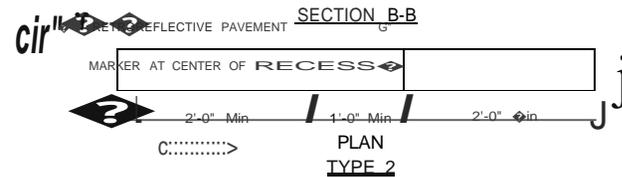
15 YEAR PROFESSIONAL EXP.
M. J. Reber
No. 339
Exp. 3-31-27
CIVIL
STATE CALIFORNIA

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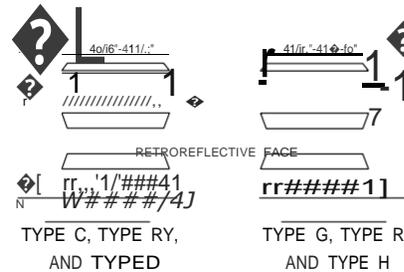
RETROREFLECTIVE PAVEMENT MARKER
AT DOWNSTREAM END OF RECESS



RETROREFLECTIVE PAVEMENT MARKER AT CENTER OF RECESS



RECESS DETAIL FOR RETROREFLECTIVE PAVEMENT MARKER



RETROREFLECTIVE PAVEMENT MARKER FOR RECESSED INSTALLATION

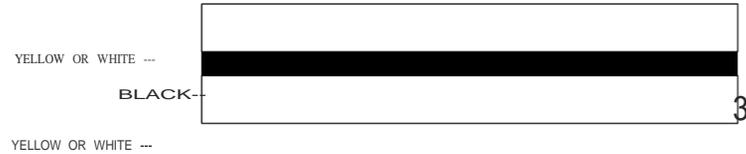
See Notes 1 and 2

- RECESSED MARKER NOTES:**
1. See typical traffic line details for marker patterns to be used with recessed pavement markers.
 2. The retroreflective pavement markers shown for recessed installations are not to be used for non-recessed installations.
 3. For recessed installations, use Type 1 recess for pavement markers with one-way retroreflective face. Use Type 2 recess for pavement markers with two-way retroreflective face.
 4. For exit ramps use Type 1 recess for Type R markers with one-way retroreflective face. Reverse the orientation of the recess and place the marker at the upstream end of the recess.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKERS AND TRAFFIC LINES
TYPICAL DETAILS
NO SCALE

COUNTY	ROUTE	PROJECT TITLE
REGISTRATION NO. NEER		
		
September 19, 2025 PLANS APPROVAL DATE		

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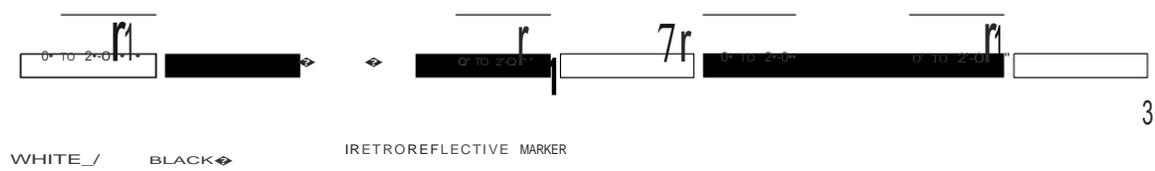
TYPICAL DOUBLE STRIPE CONTRAST DETAIL

NOTES:

1. See Standard Plans A20A, A208, A20C, A200 and A20F for traffic lines typical details.
2. Detail 9 Traffic stripe shown. See project plans for traffic stripe details.



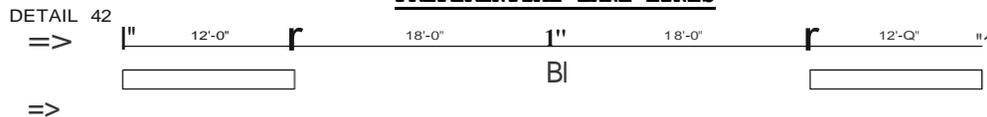
OPTION 1
TYPICAL LANE LINE OR RIGHT EDGE LINE CONTRAST DETAIL



OPTION 2
TYPICAL LANE LINE CONTRAST DETAIL
See Note 2

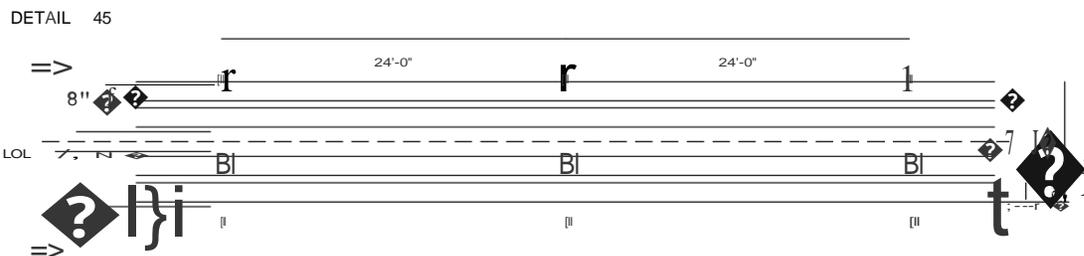
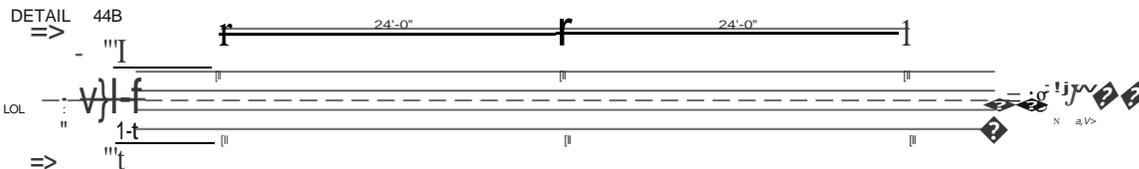
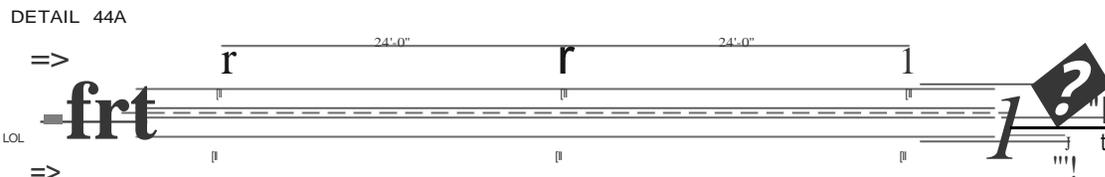
N
 STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
TRAFFIC LINES
TYPICAL DETAILS
FOR CONTRAST STRIPING
 NO SCALE

PREFERENTIAL LANE LINES



~~DETAIL 43~~ DETAIL 43 DELETED

~~DETAIL 43A~~ DETAIL 43A DELETED

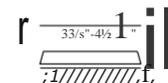


* See pavement delineation plan for dimension.

DISTRICT	COUNTY	ROUTE	PROJECT NO.
REGISTRATION NUMBER			
September 19, 2025			
PLANS APPROVAL DATE			
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LEGEND:

- |§ TYPE C RED-CLEAR RETROREFLECTIVE MARKER
- C::J 8" WHITE LINE



|22222| RETROREFLECTIVE FACE

TYPE C

MARKER DETAILS

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKERS AND TRAFFIC LINES
TYPICAL DETAILS
NO SCALE

A20F

[Return to Table of Contents](#)

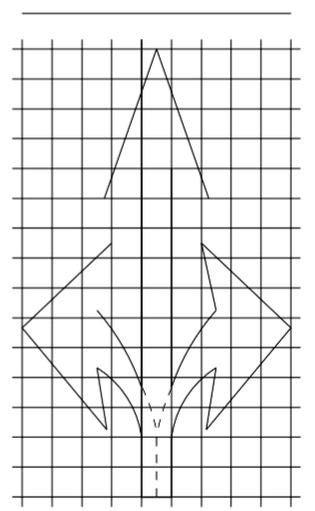
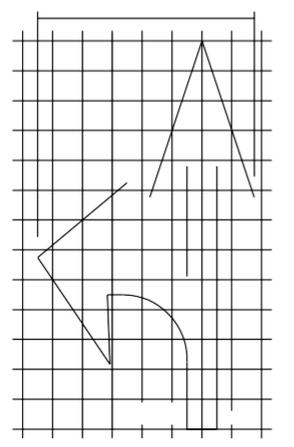
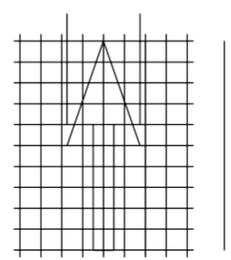
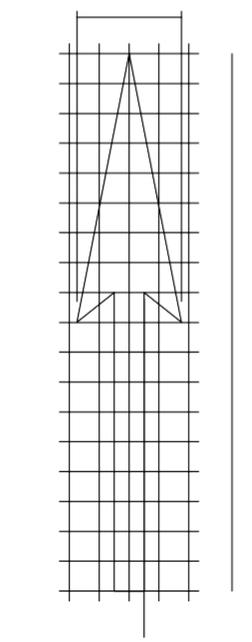
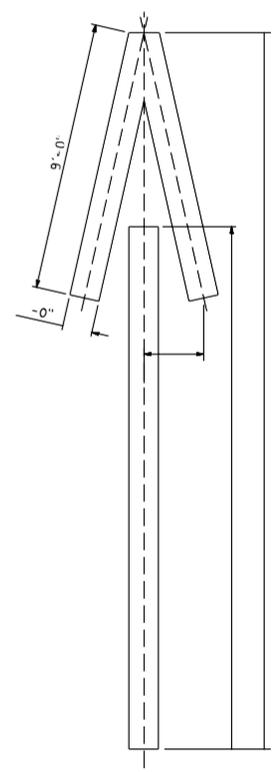
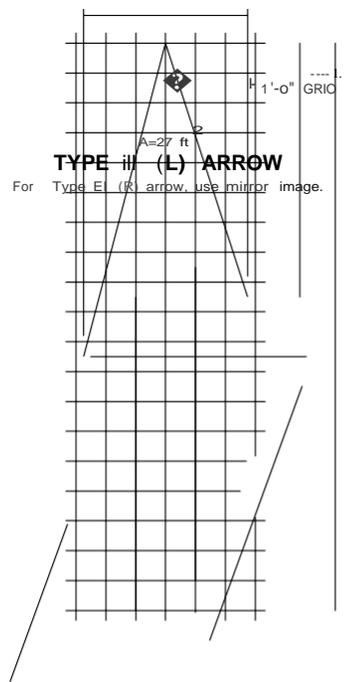
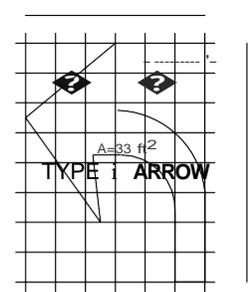
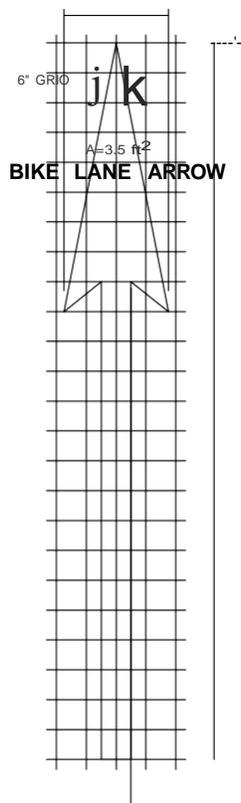
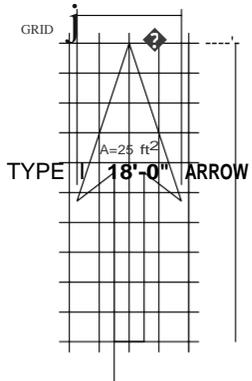
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
**PAVEMENT MARKINGS
ARROWS**

NO SCALE



A2

[Return to Table of Contents](#)



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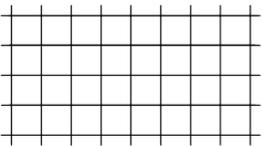
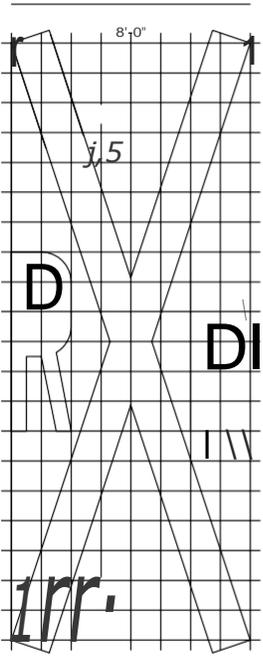
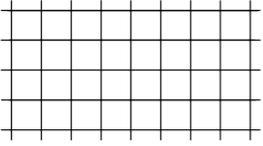
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**02
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4A

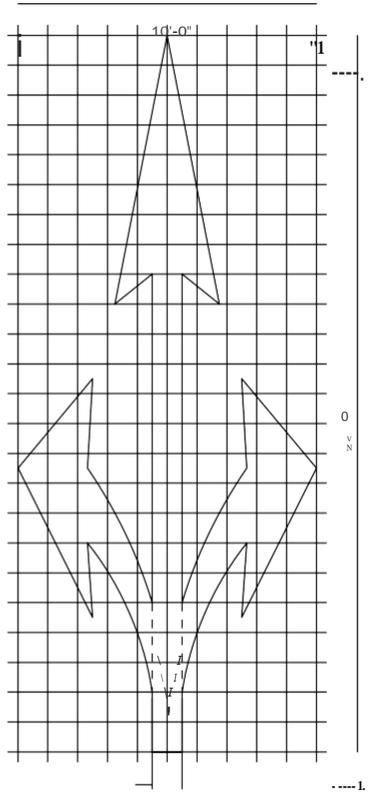
NOTE:
 1. Minor variations in dimensions may be accepted by the Engineer.

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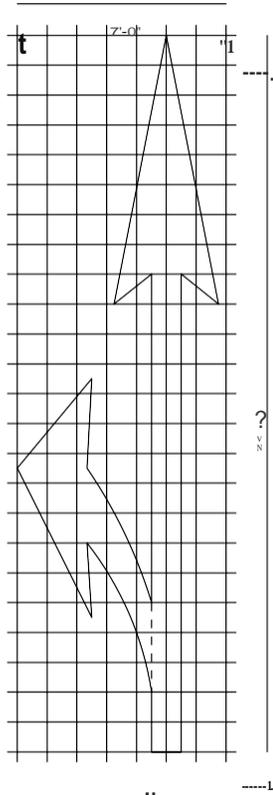


1'-0" GRID
 A=70 ft² *
RAILROAD CROSSING SYMBOL

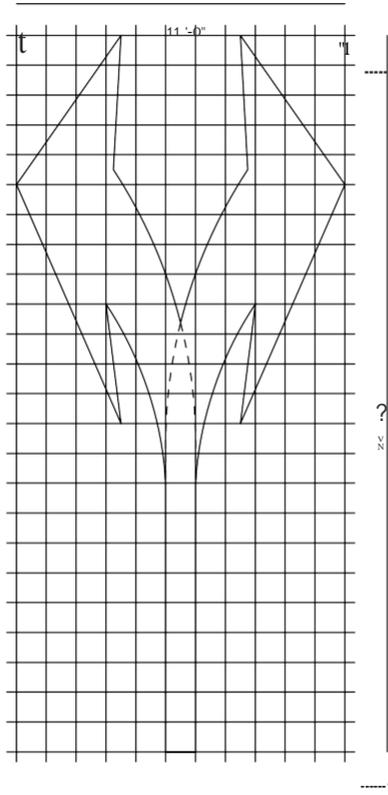
* 70 SQFT does not include the 2'-0" x variable width transverse lines.



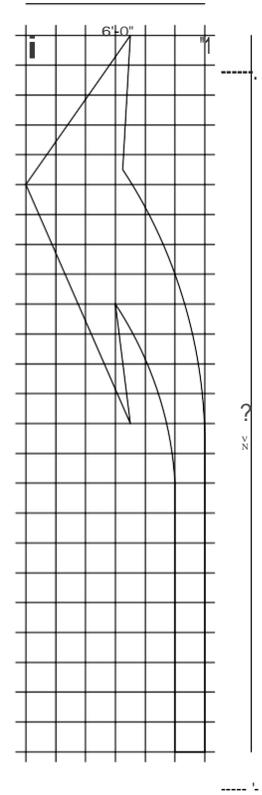
1'-0" GRID
 A=59 ft²
TYPE II (B) ARROW



1'-0" GRID
 A=45 ft²
TYPE II (L) ARROW
 For Type II (R) use mirror image.



1'-0" GRID
 A=73 ft²
TYPE m (B) ARROW



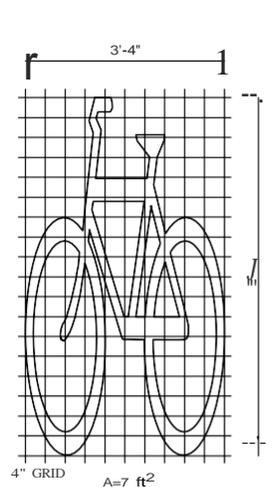
1'-0" GRID
 A=42 ft²
TYPE m (L) ARROW
 For Type m (R) use mirror image.

[Return to Table of Contents](#)

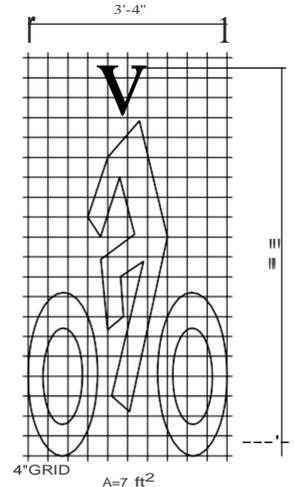
DP#1 COUNTY	ROUTE	TO OCTOBER 1, 2025
REGISTRATION NUMBER		
REGISTRATION NUMBER		
September 19, 2025 PLANS APPROVAL DATE		



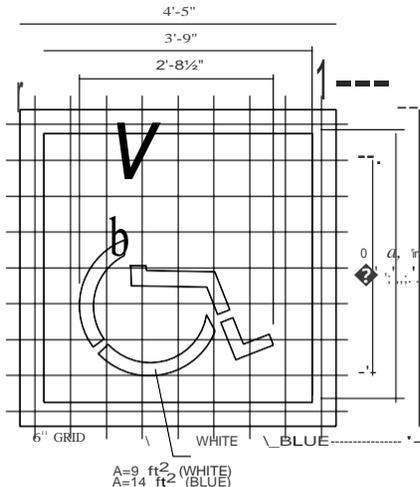
NOTE:
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1. Minor variations in dimensions may be accepted by the Engineer.



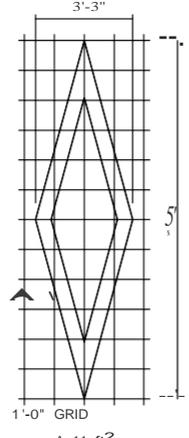
BIKE LANE SYMBOL WITHOUT PERSON



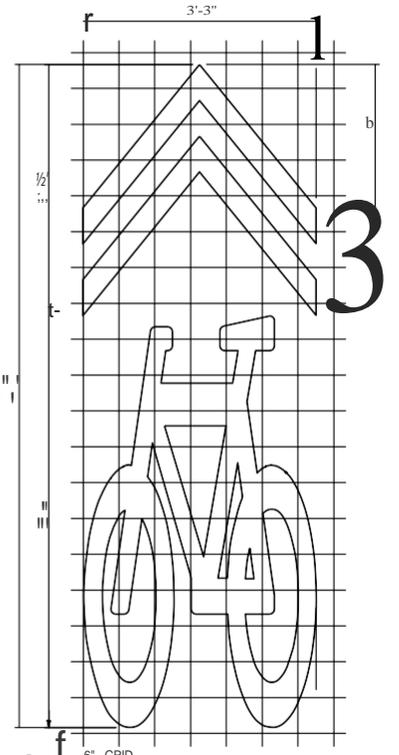
BIKE LANE SYMBOL WITH PERSON



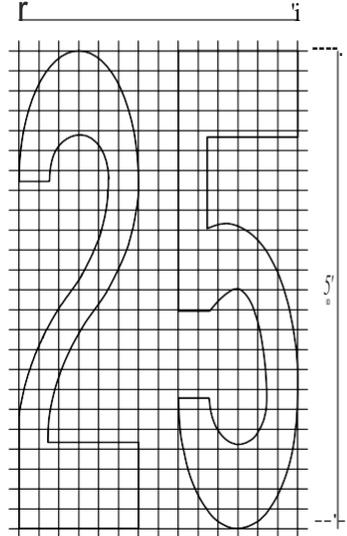
INTERNATIONAL SYMBOL OF ACCESSIBILITY (ISA) MARKING



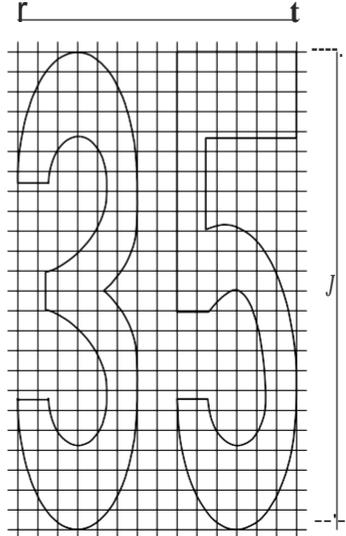
DIAMOND SYMBOL



SHARED ROADWAY BICYCLE MARKING

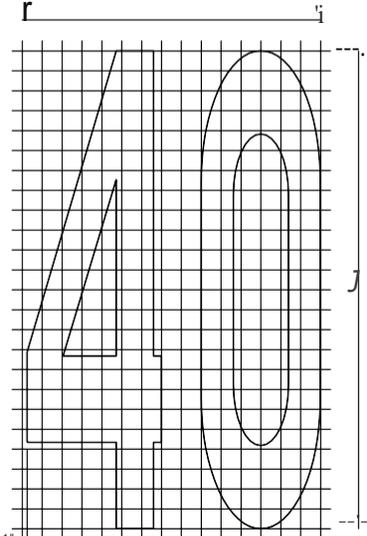


A=17.5 ft²

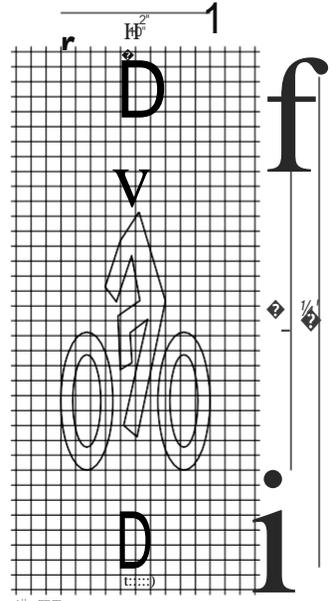


A=16.5 ft²

NUMERALS



A=19.5 ft²



BICYCLE LOOP DETECTOR SYMBOL

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKINGS SYMBOLS AND NUMERALS
NO SCALE

A24C

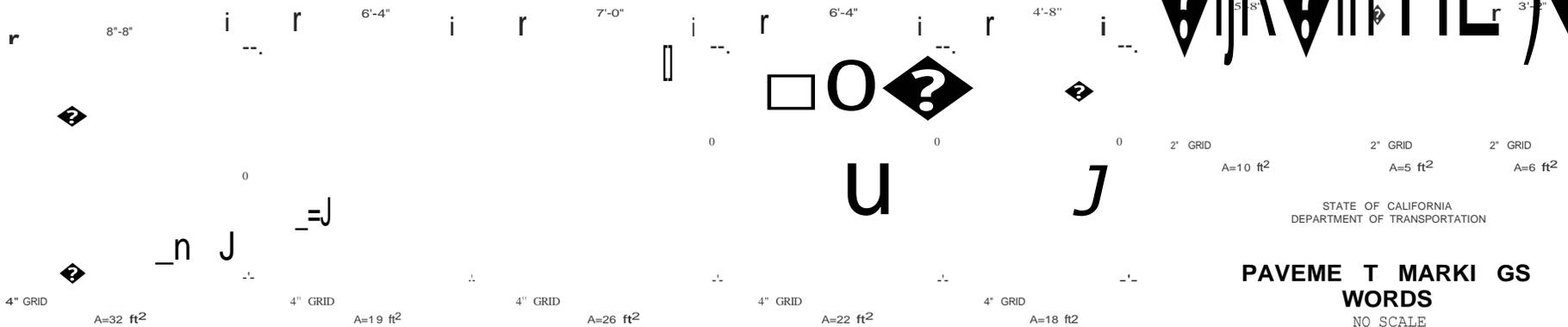
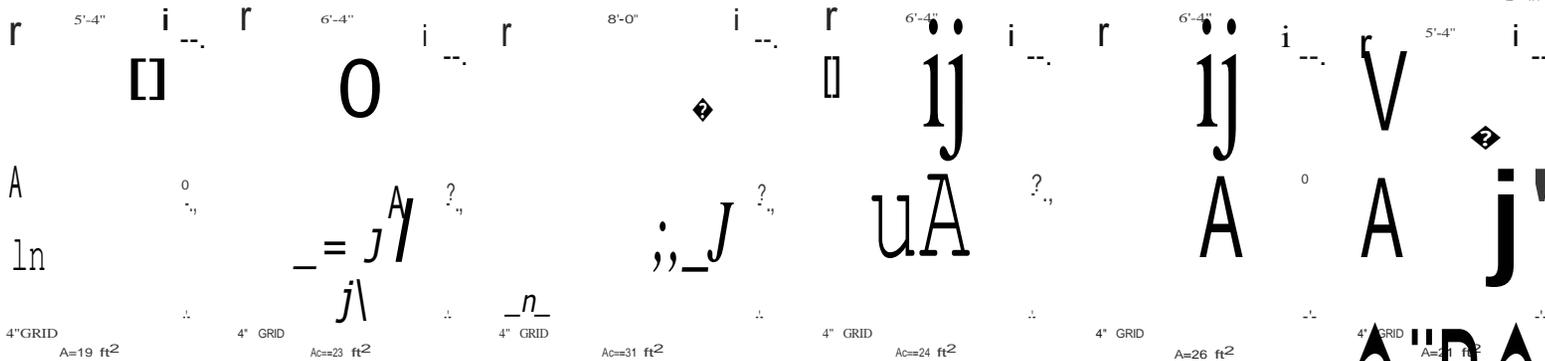
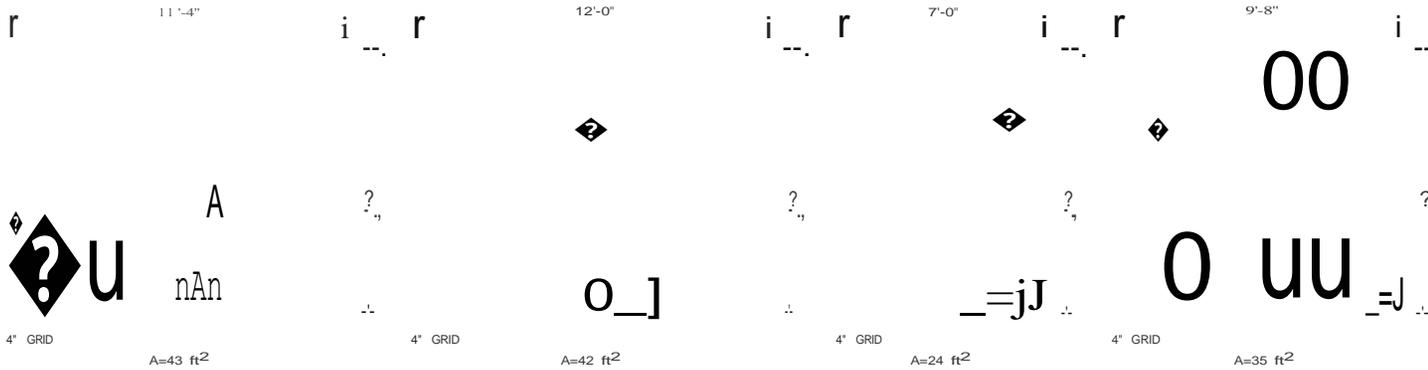
REGISTRATION NUMBER

September 19, 2025
 PLANS APPROVAL DATE
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NOTES:

1. If a message consists of more than one word, it must read "UP", i.e., the first word must be nearest the driver.
2. The space between words must be at least four times the height of the characters for low speed roads, but not more than ten times the height of the characters. The space may be reduced appropriately where there is limited space because of local conditions.
3. Minor variations in dimensions may be accepted by the Engineer.
4. Portions of a letter, number or symbol may be separated by connecting segments not to exceed 2" in width.

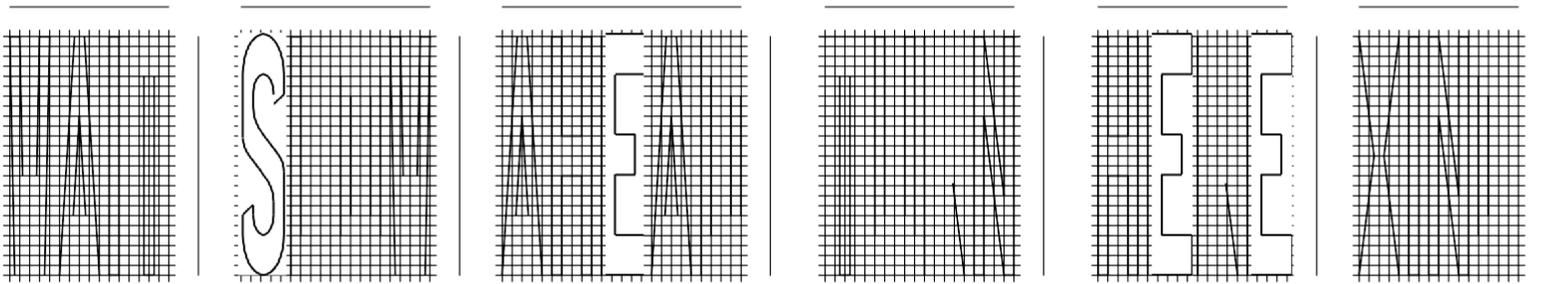
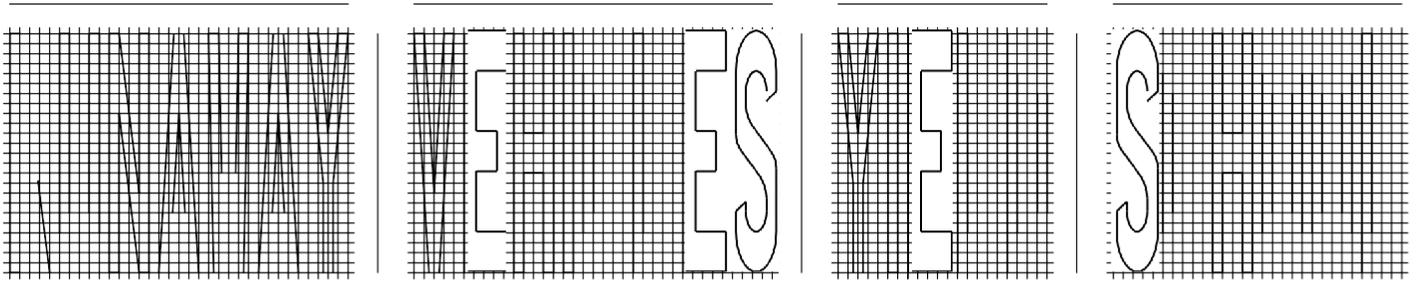
WORD MAR		GS	
ITEM	ft ²	ITEM	ft ²
RUNAWAY	43	VEHICLES	42
YIELD	24	SCHOOL	35
WAIT	19	SLOW	23
AHEAD	31	TURN	24
HERE	26	XING	21
SIGNAL	32	LEFT	19
RIGHT	26	STOP	22
PED	18	COMPACT	10
BIKE	5	LANE	



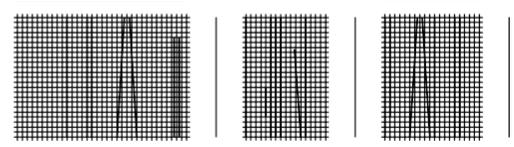
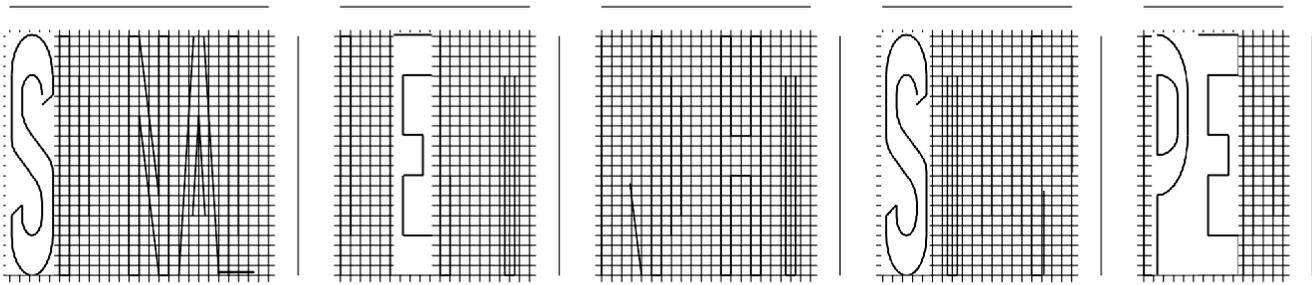
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKINGS
 WORDS
 NO SCALE

[Return to Table of Contents](#)



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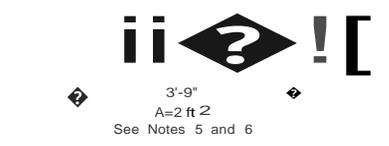
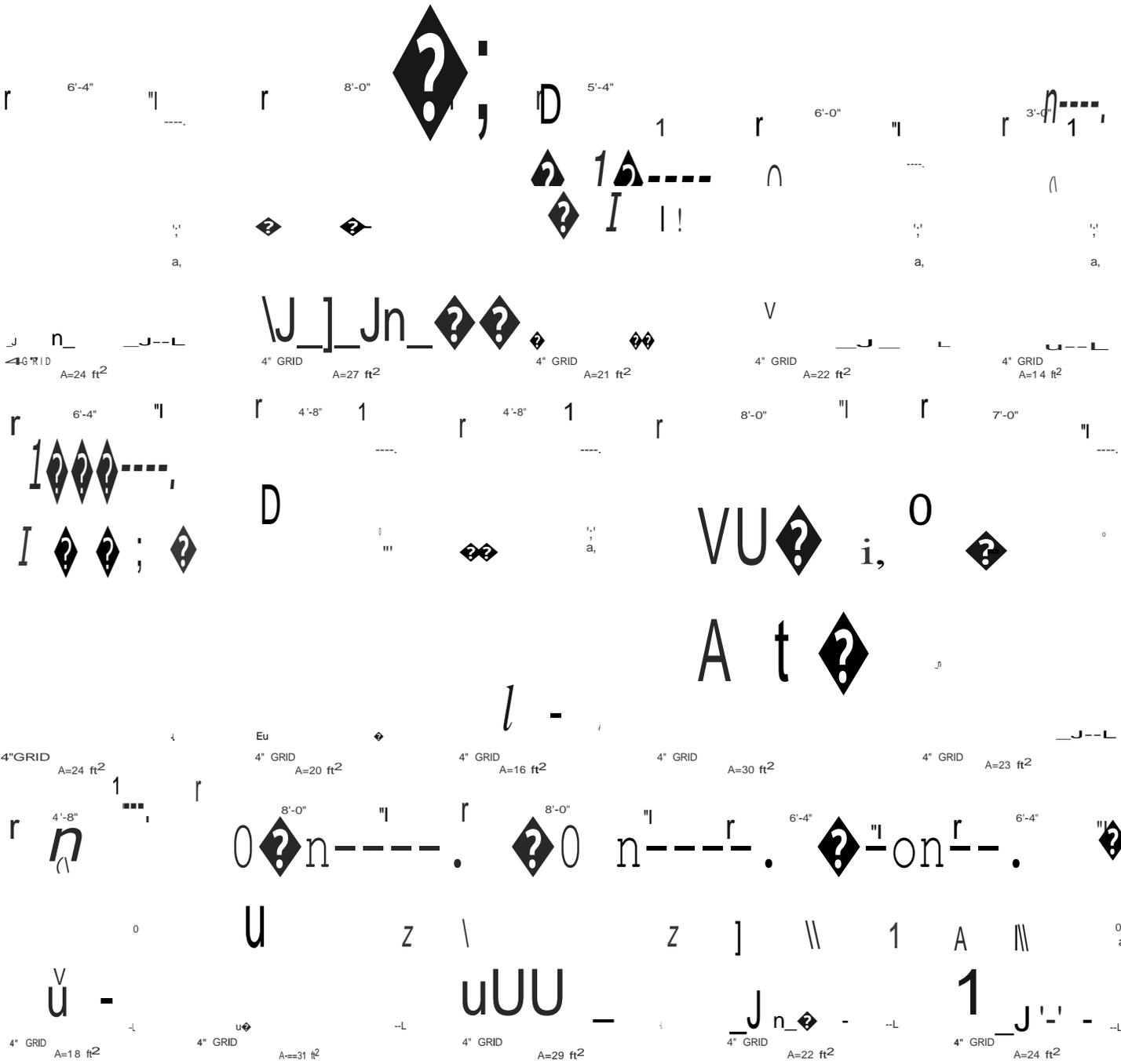
REG 1. II NEER

THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION
 PLANS APPROVAL DATE
 OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

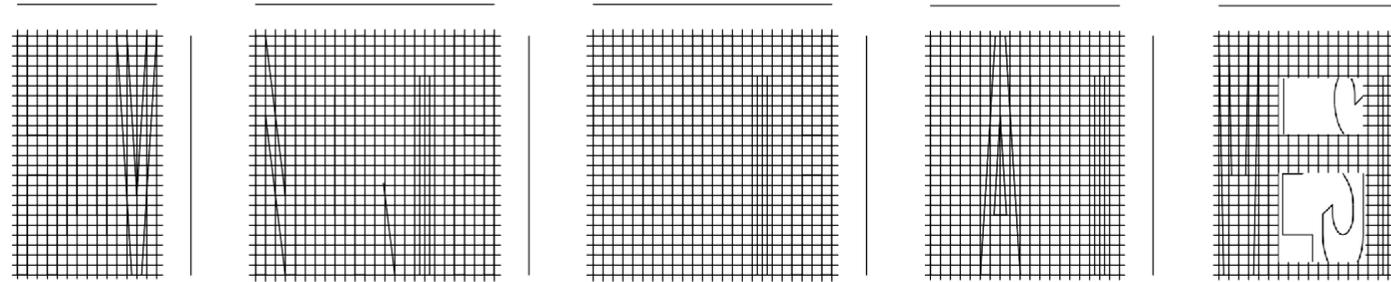
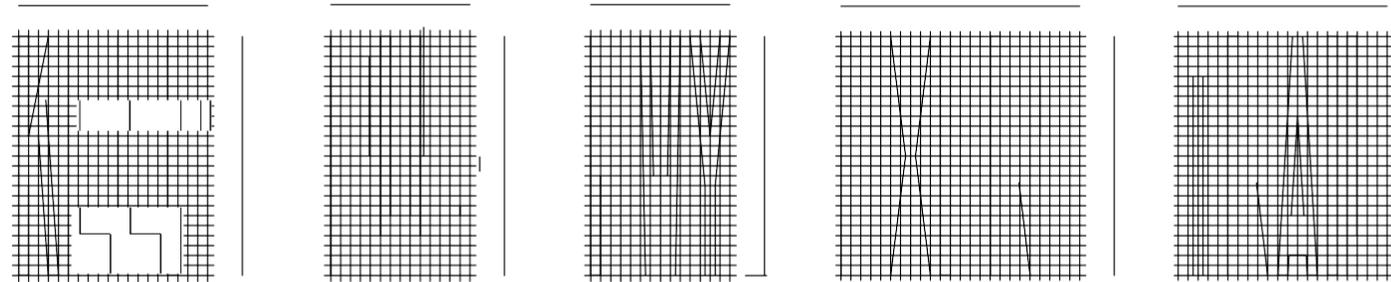
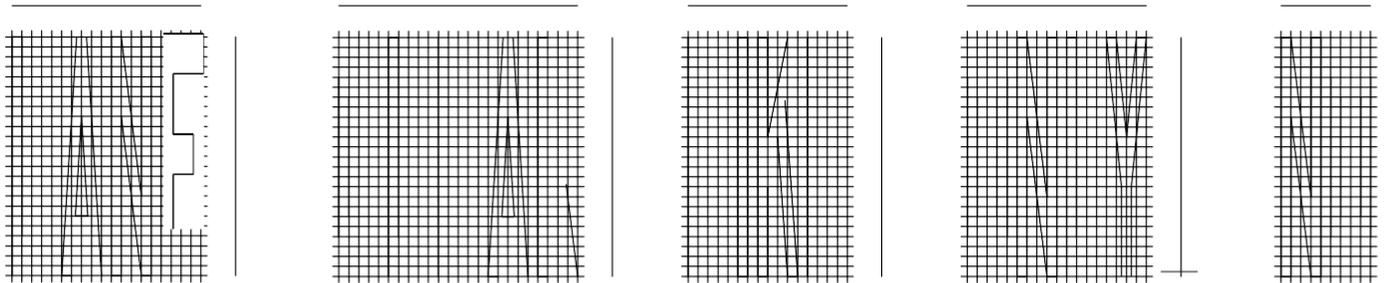
1. If a message consists of more than one word, it must read "UP", i.e., the first word must be nearest the driver.
2. The space between words should be at least four times the height of the characters for low speed roads, but not more than ten times the height of the characters. The space may be reduced appropriately where there is limited space because of local conditions.
3. Minor variations in dimensions may be accepted by the Engineer.
4. Do not exceed 2" in width.
5. Locations of markings, see Standard Plans A90A and A90B.
6. The words "NO PARKING", shall be painted in white letters no less than 1'-0" high on a

WORD MAR		OS	
ITEM	SOFT	ITEM	SOFT
LANE	24	CLEAR	27
ONLY	22	NO	14
BUS	20	FWY	16
TRAIL	23	HOV	18
SOUTH	29	EAST	22
NO PARKING		WEST	24



NO

SCALE



A2

Return to Table of Contents

K N



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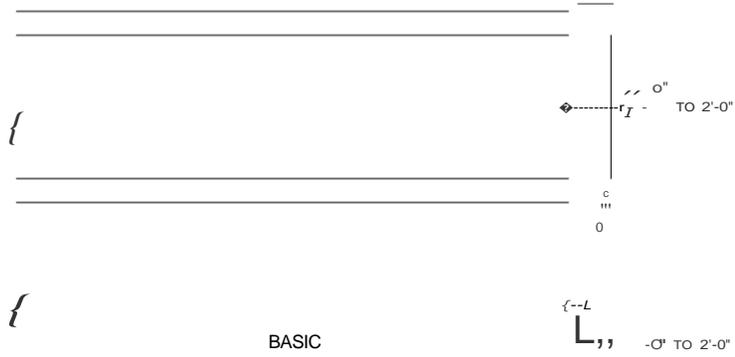
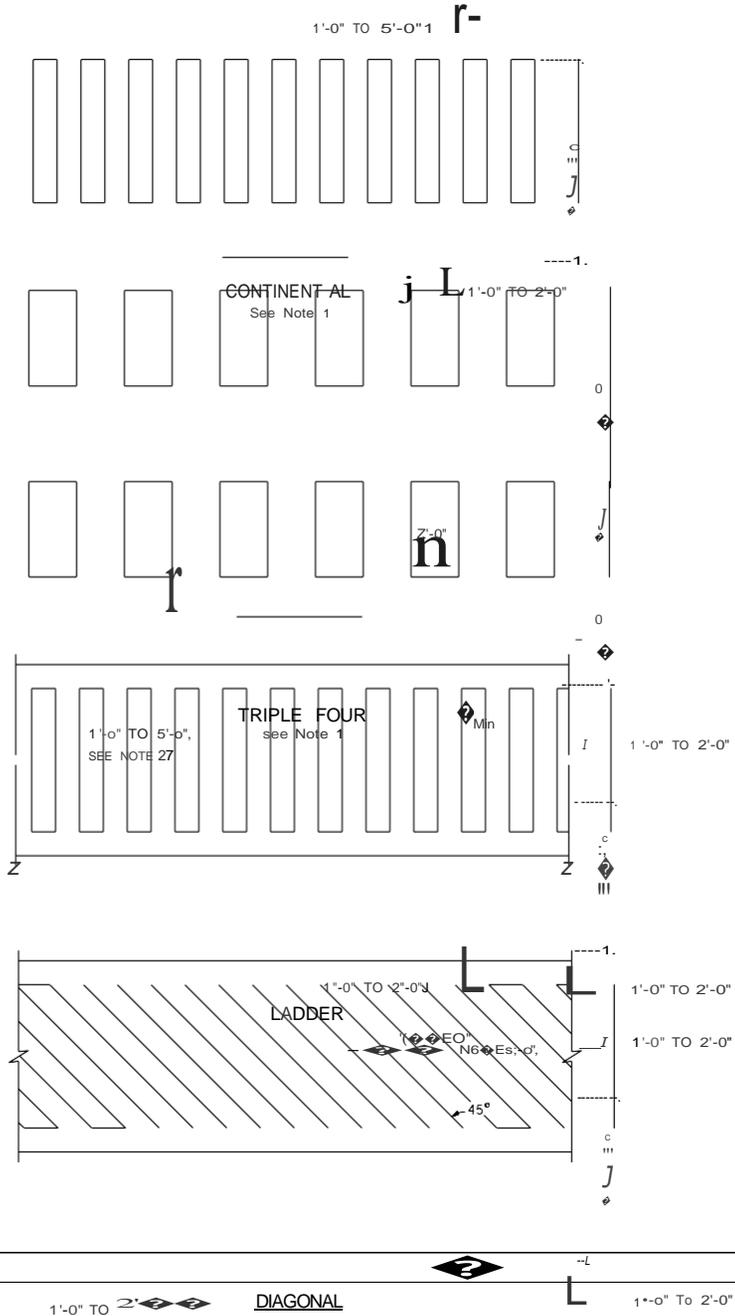
**02
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4E**

DISTRICT COUNTY	ROUTE	TO PROJECT TITLE, SCALE
REGISTRATION NO. 083390 Malik Rehman Exp. 3-31-27 CIVIL STATE OF CALIFORNIA		
September 19, 2025 PLANS APPROVAL DATE		

THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

NOTES:

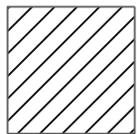
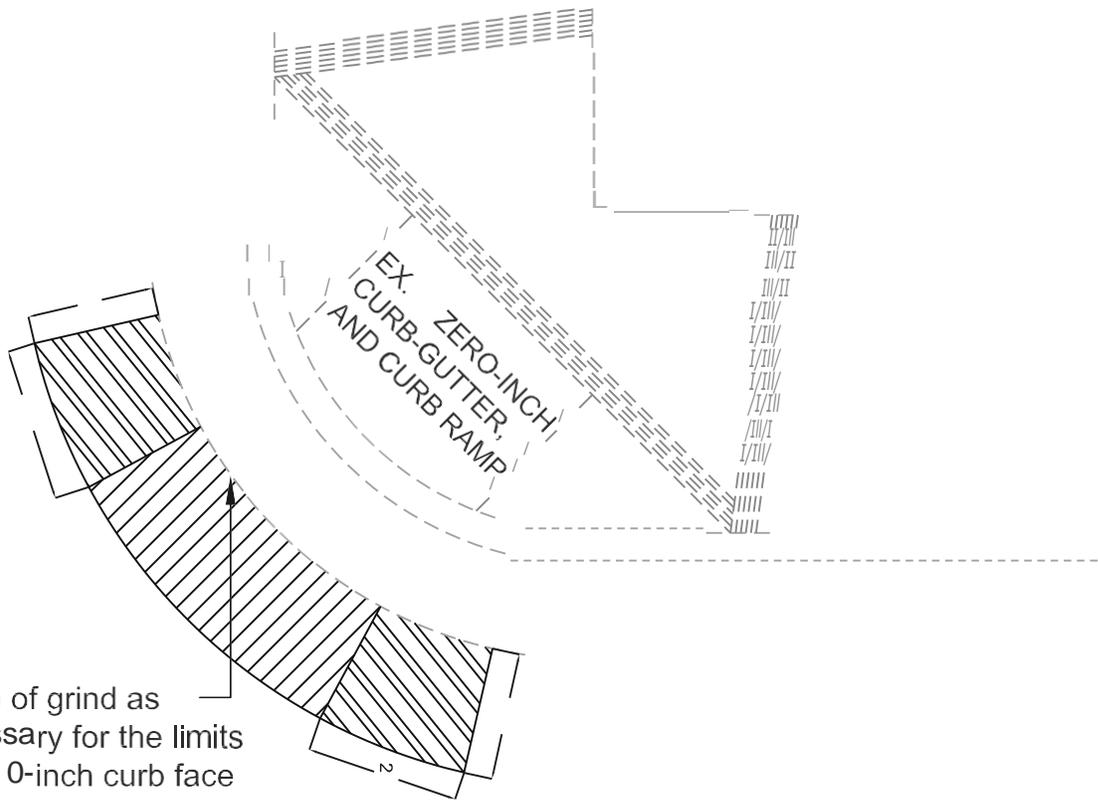
1. Spaces between markings must be placed in wheel tracks of each lane.
2. Spacings not to exceed 2.5 times width of longitudinal line.
3. All crosswalk markings must be white except those near schools must be yellow.



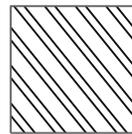
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKINGS CROSSWALKS
NO SCALE

HIGHER VISIBILITY CROSSWALKS

[Return to Table of Contents](#)

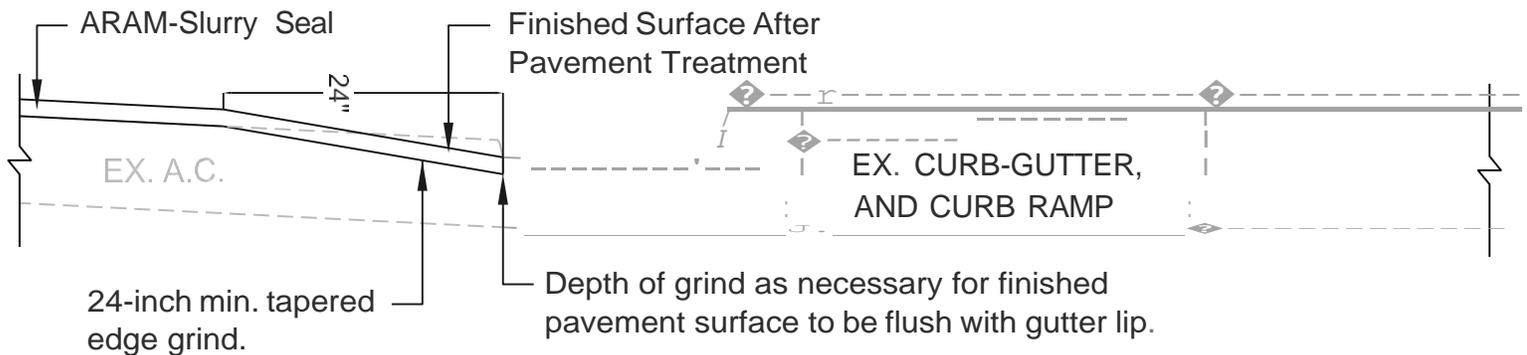


Minimum 24-in wide taper edge grind adjacent to curb ramp, depth as required to be flush with the gutter lip after placement of ARAM with Slurry Seal, Slurry Seal or Asphalt Pavement.



Taper edge grind to 0-inch on outside edges shall extend beyond the limits of the curb ramp to provide a minimum 24-in transition to the existing pavement surface.

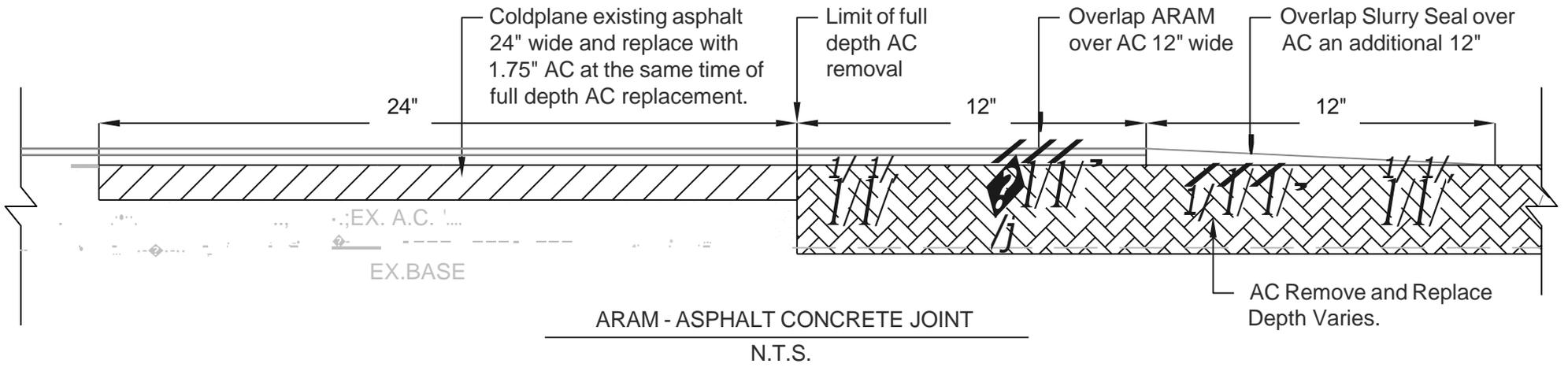
Plan View



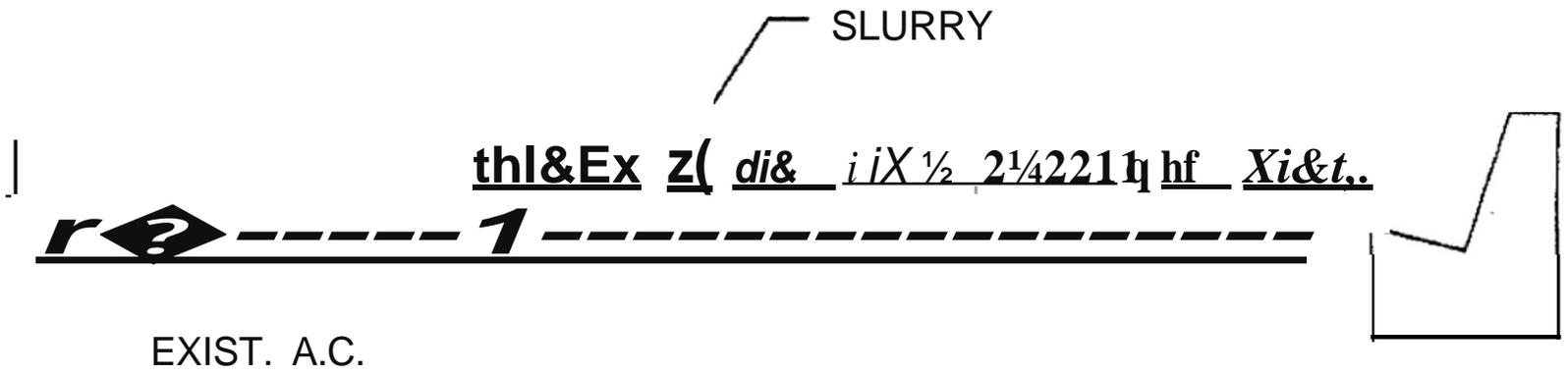
Section View

EDGE GRIND AT CURB RAMP

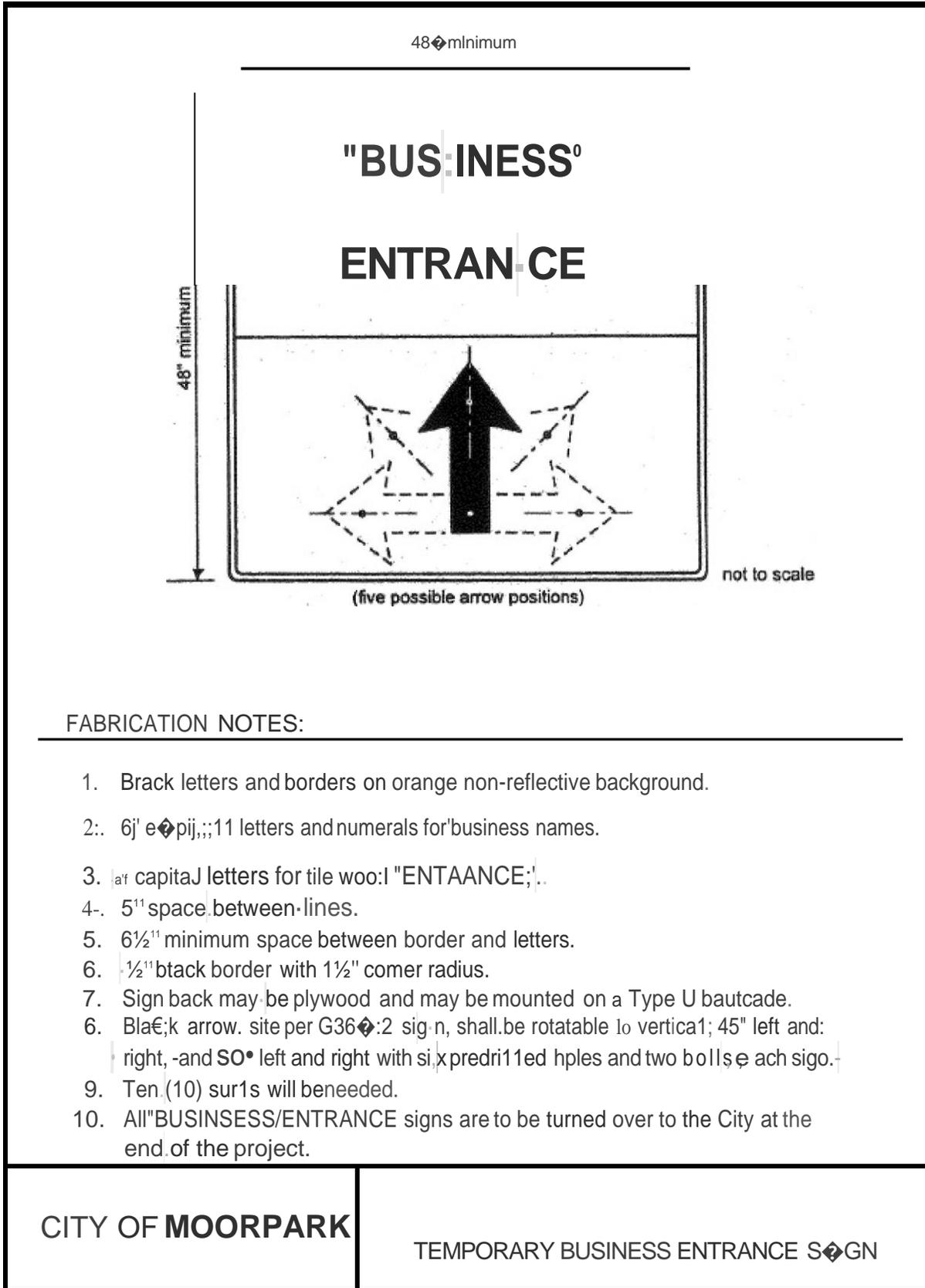
N.T.S.



3/8" ARAM



SLURRY AND ARAM CAPESEAL

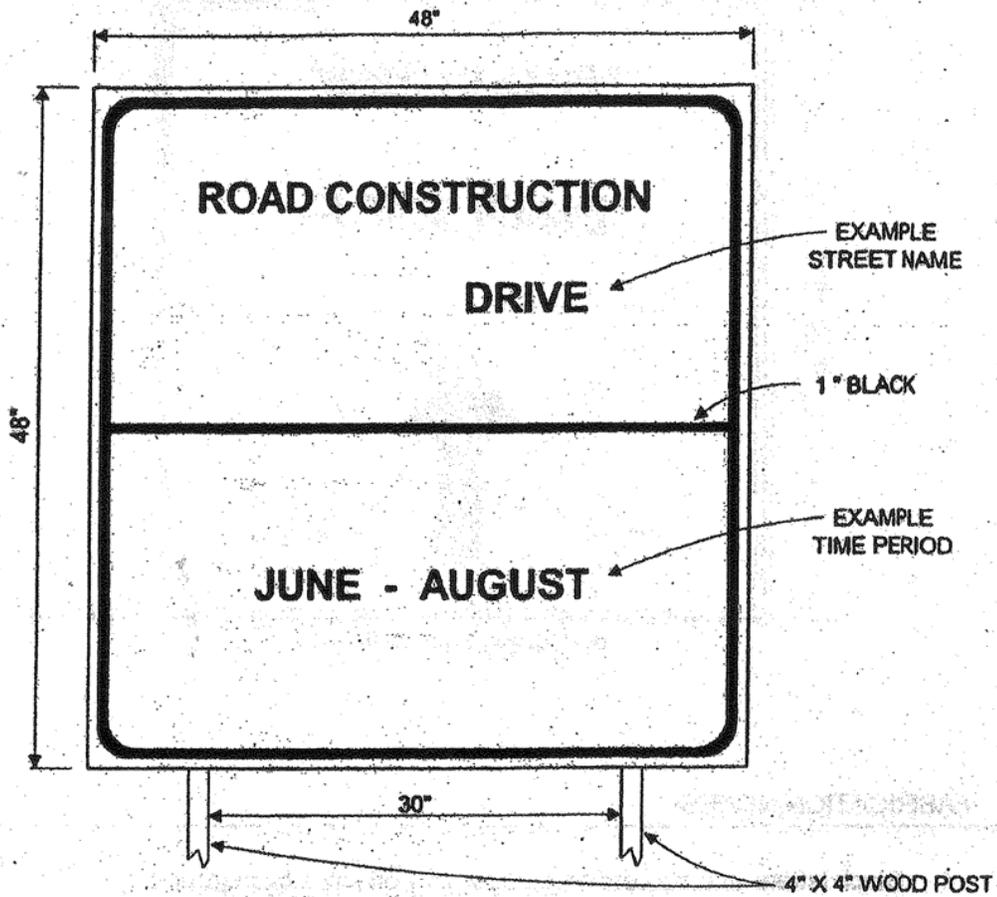


FABRICATION NOTES:

1. Brack letters and borders on orange non-reflective background.
2. 6' e diamond pij,; 11 letters and numerals for 'business names.
3. at capitaJ letters for tile woo: l "ENTAAANCE; '.
4. 5" space between lines.
5. 6 1/2" minimum space between border and letters.
6. 1/2" btack border with 1 1/2" comer radius.
7. Sign back may be plywood and may be mounted on a Type U bautcade.
6. Bla€;k arrow. site per G36 diamond: 2 sig n, shall be rotatable lo vertica1; 45" left and: right, -and SO• left and right with si, xpredri11ed hples and two boll s e ach sigo. -
9. Ten. (10) sur1s will beneeded.
10. All "BUSINSESS/ENTRANCE signs are to be turned over to the City at the end of the project.

CITY OF MOORPARK

TEMPORARY BUSINESS ENTRANCE SIGN



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 APCD Rule 55, Fugitive Dust



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 tarpped, 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 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 Requirements¹
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

¹ 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.

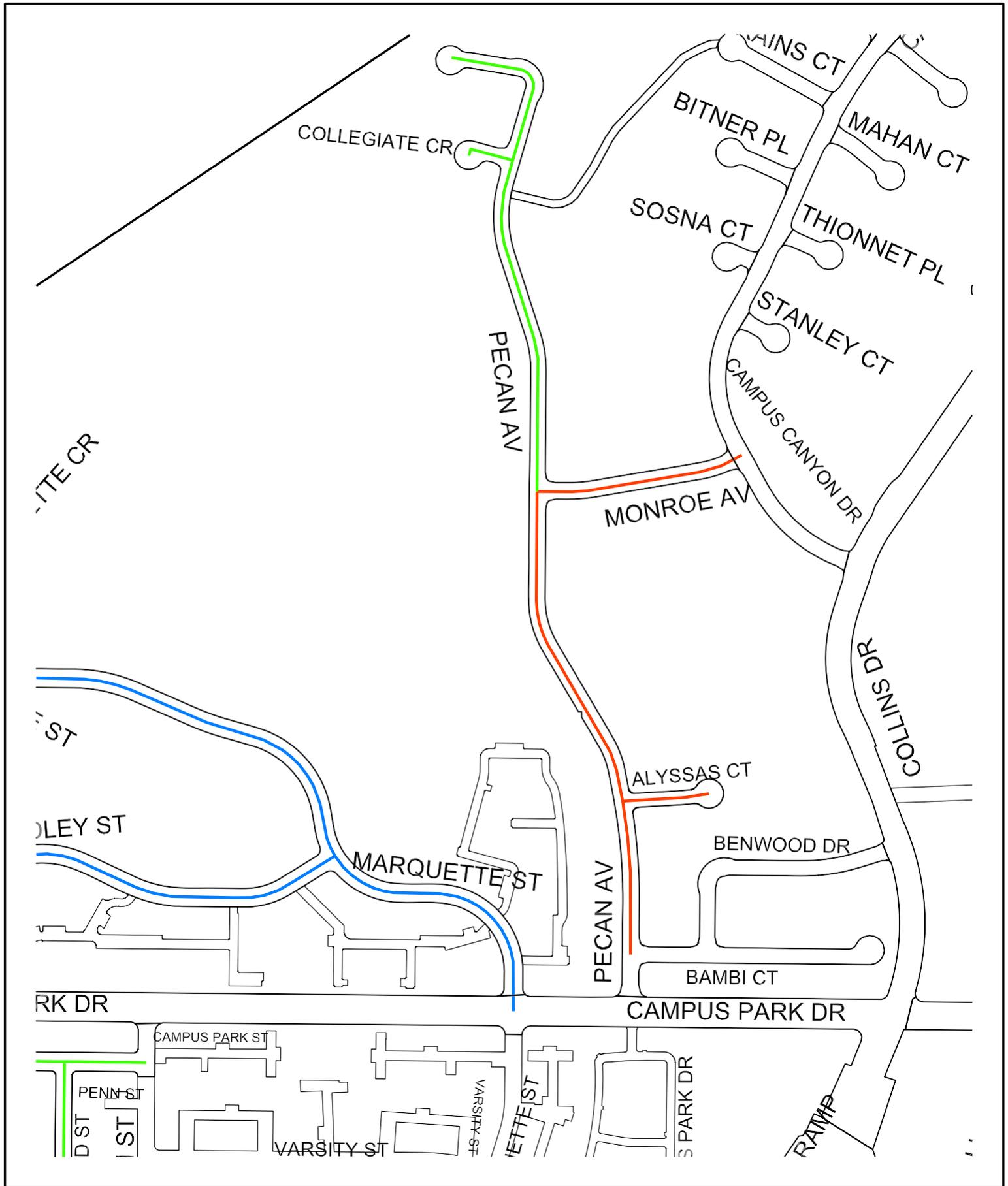
Track-out Exemption: The Track-Out requirements do not apply to on-road vehicles (trucks and passenger vehicles) associated with agricultural operations that have caused track-out due to excessively muddy conditions resulting from rainfall.

Recordkeeping Requirements

Consult Rule 55 for specific recordkeeping requirements

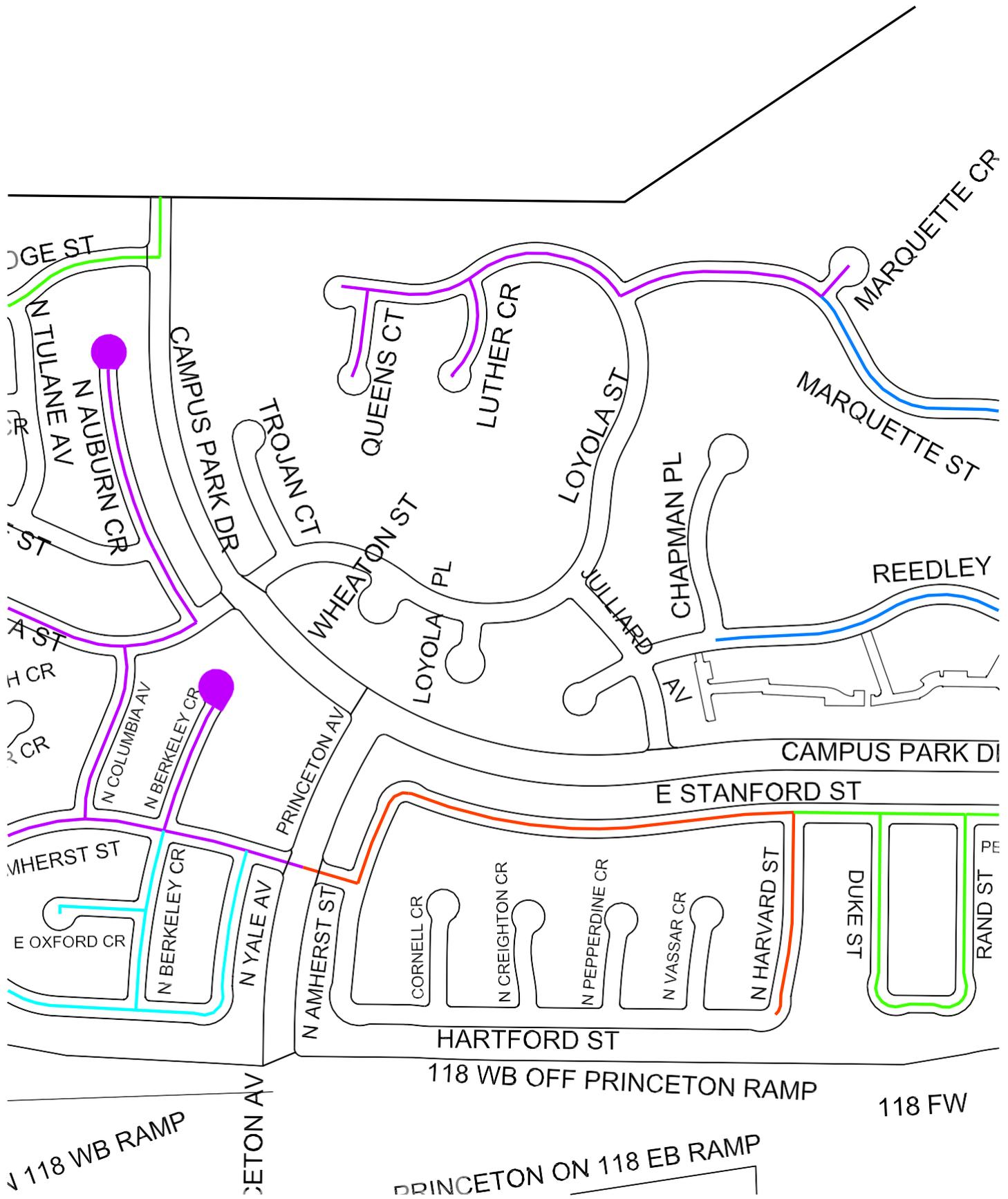
Appendix E:

Location Exhibits



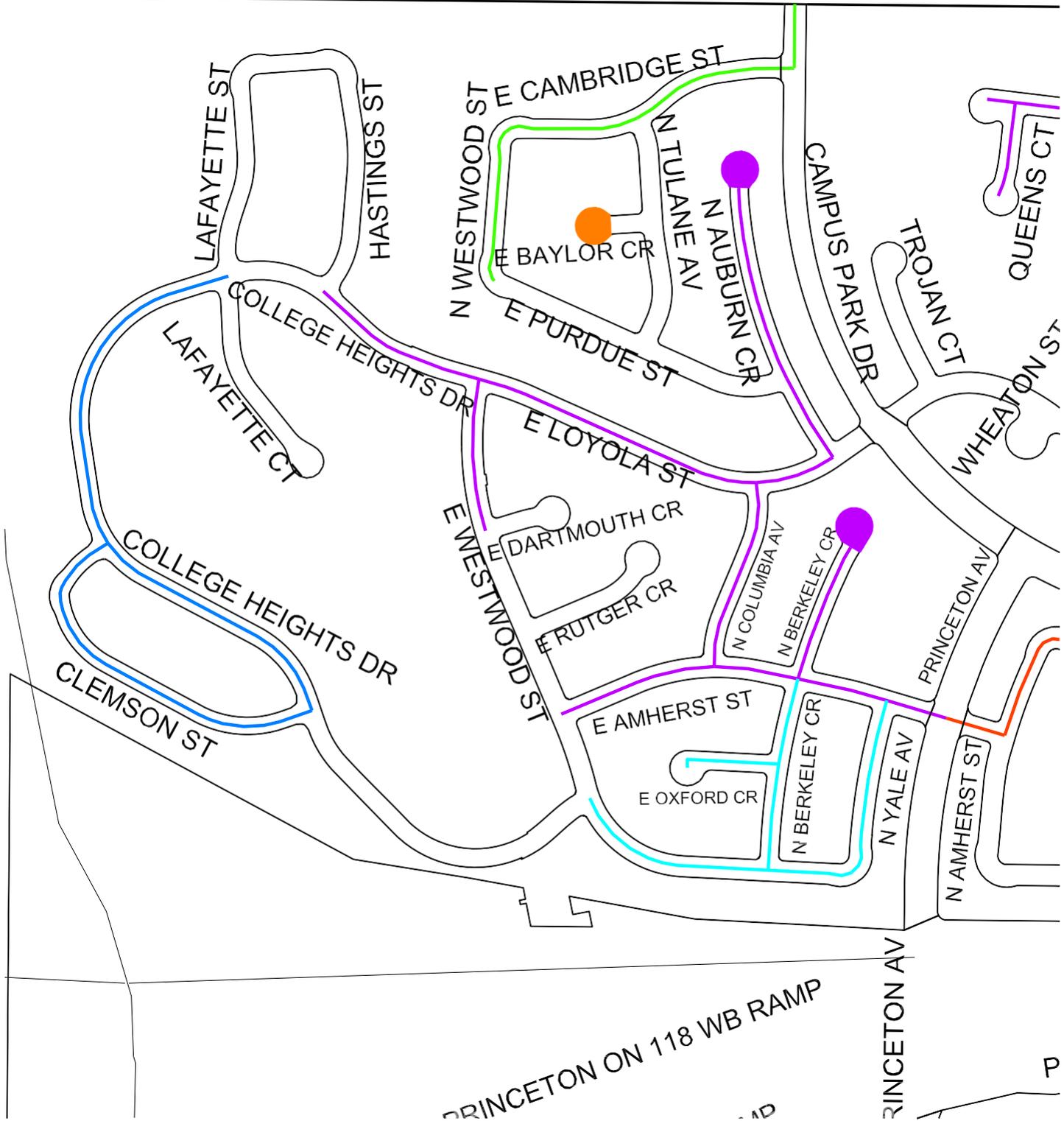
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2026 Pavement Rehabilitation
Specification No. MPK 26-02



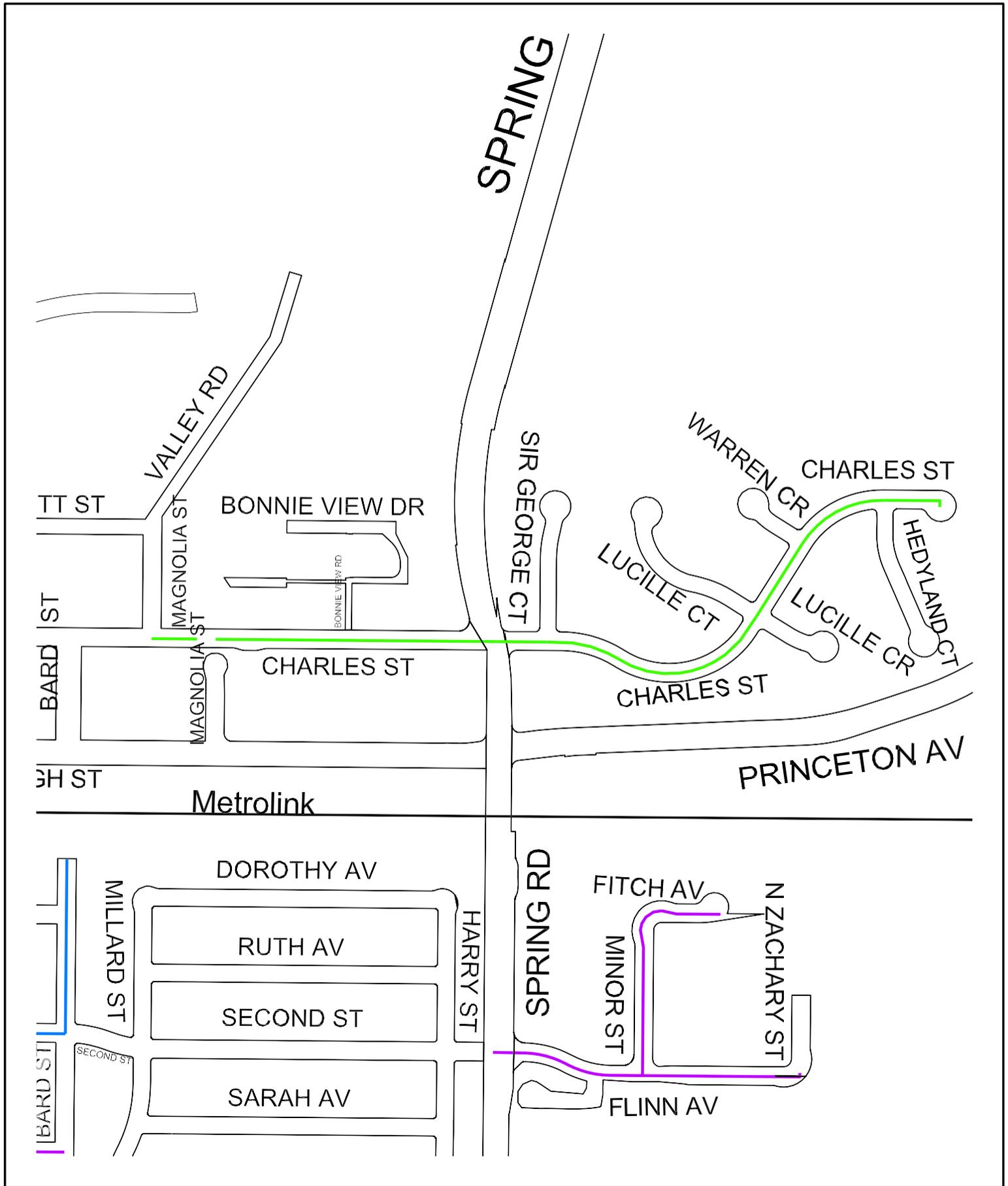
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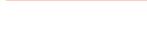
2026 Pavement Rehabilitation
Specification No. MPK 26-02

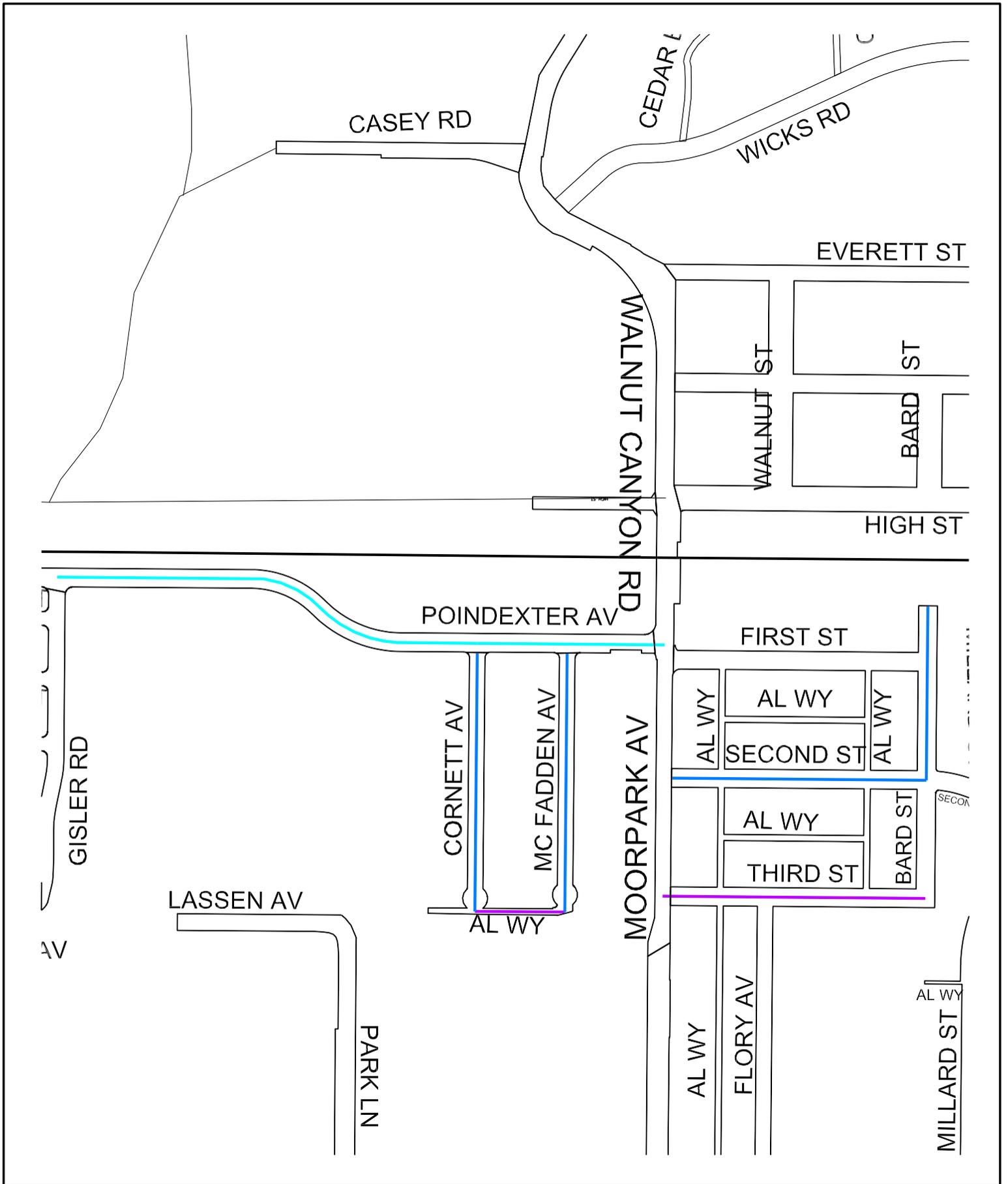


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2026 Pavement Rehabilitation
Specification No. MPK 26-02

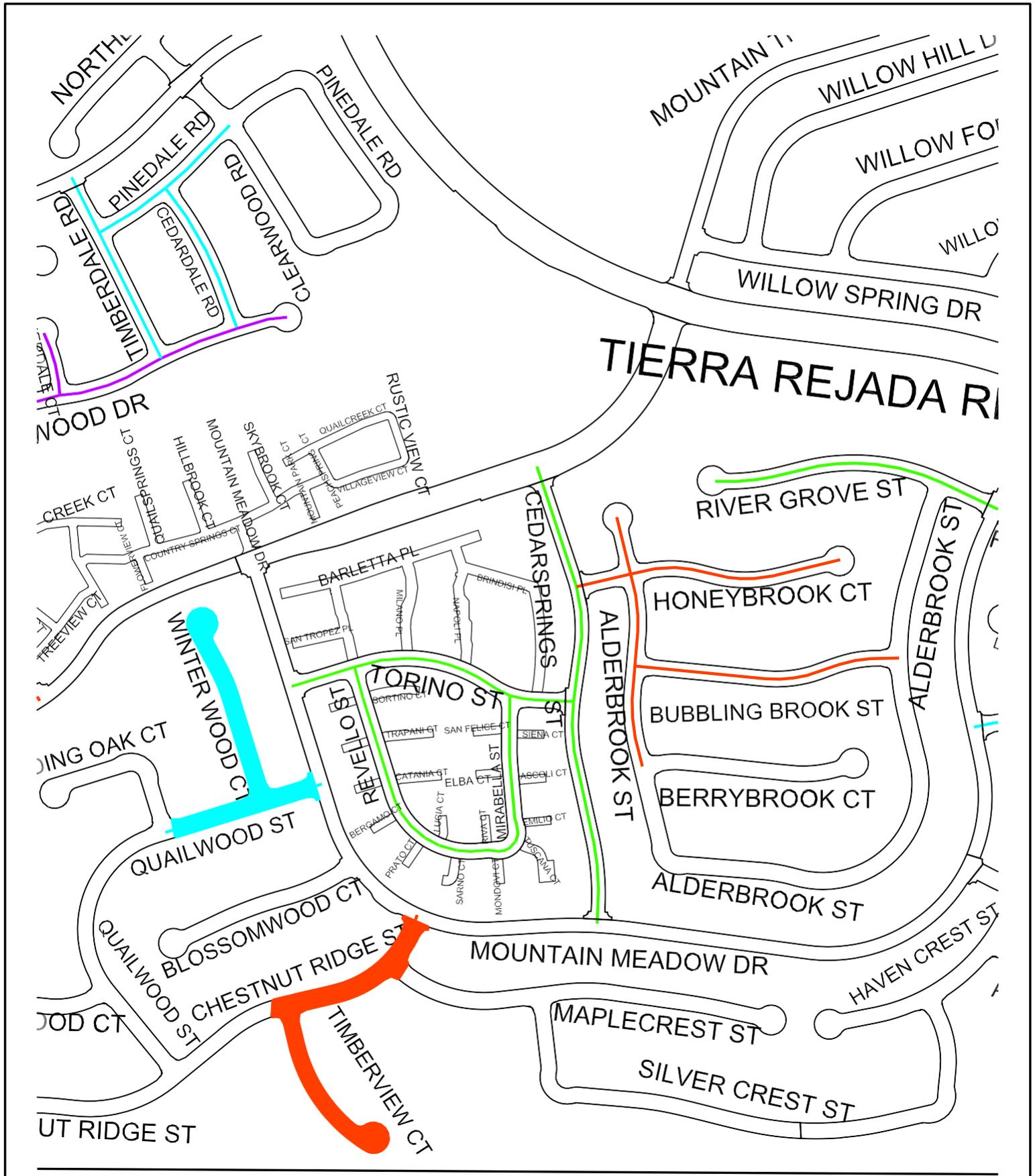


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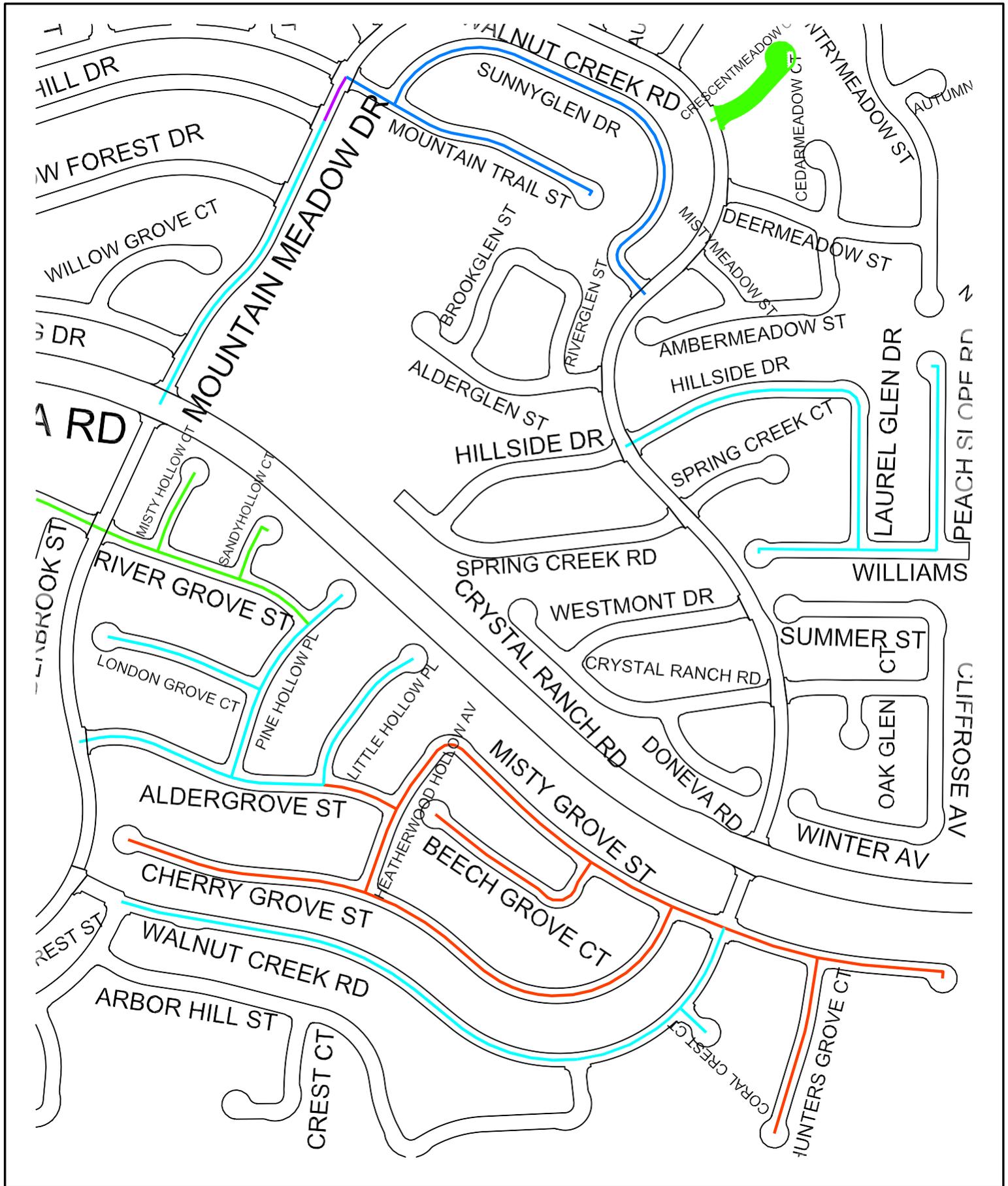
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2026 Pavement Rehabilitation Specification No. MPK 26-02



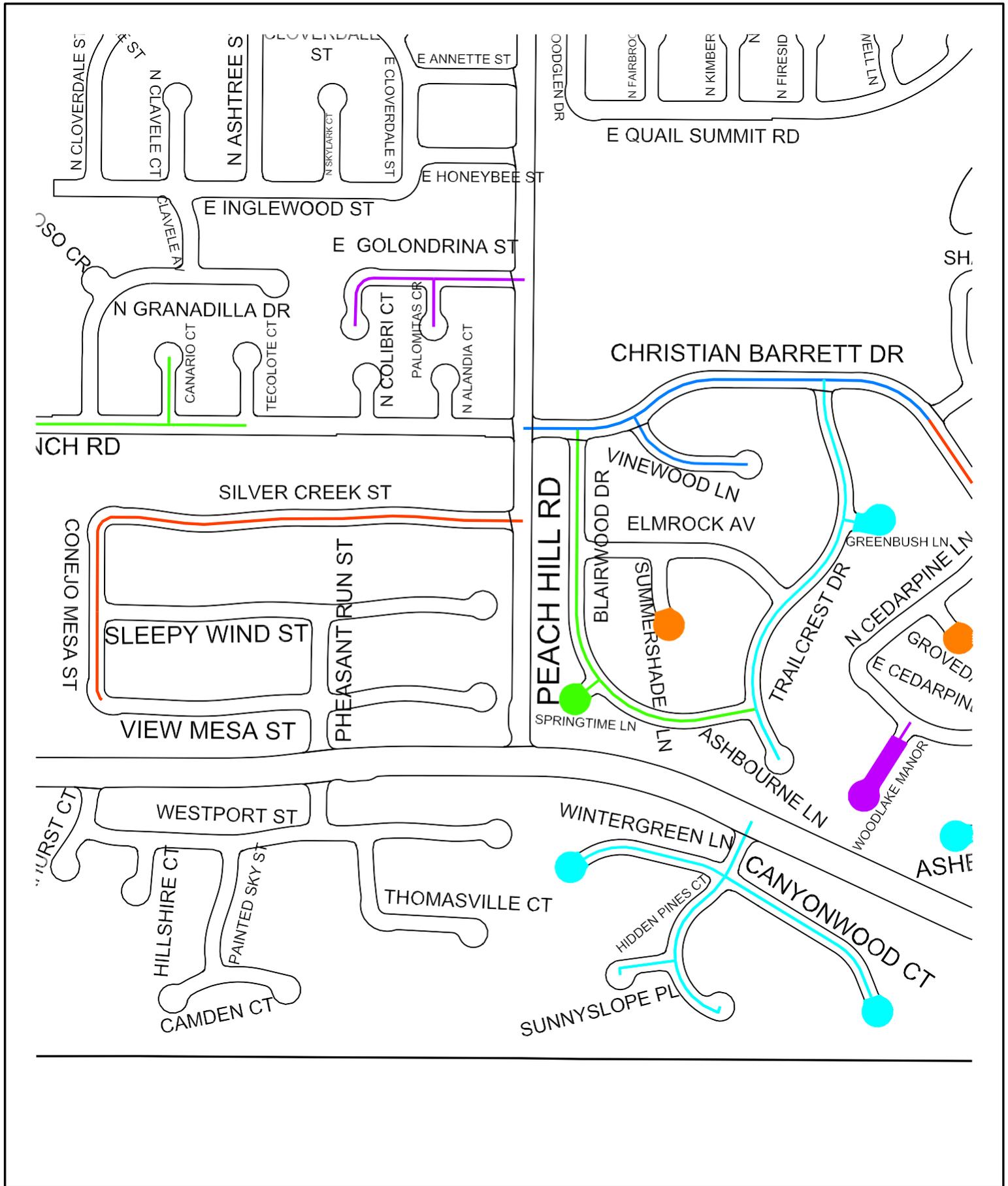
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2026 Pavement Rehabilitation
Specification No. MPK 26-02



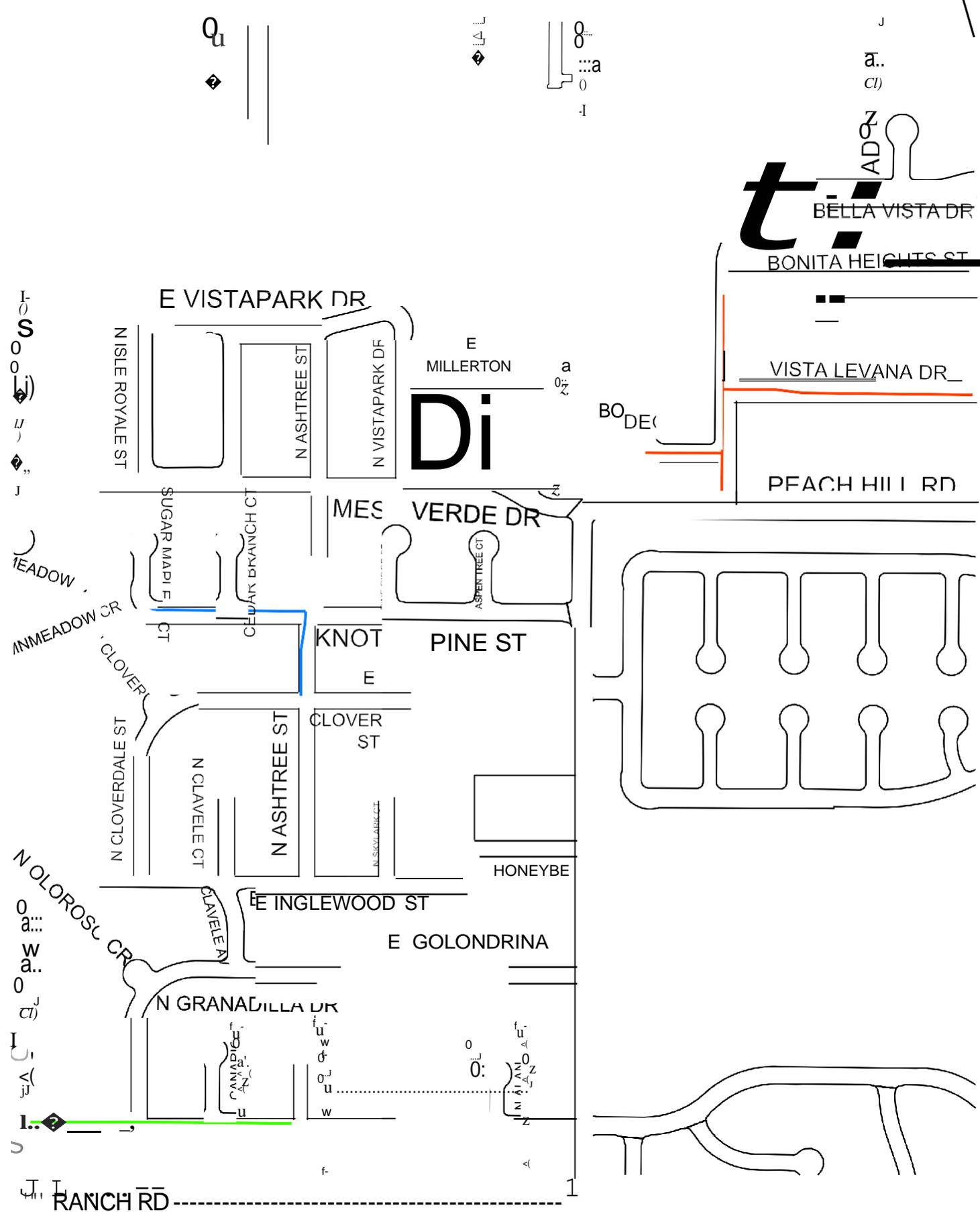
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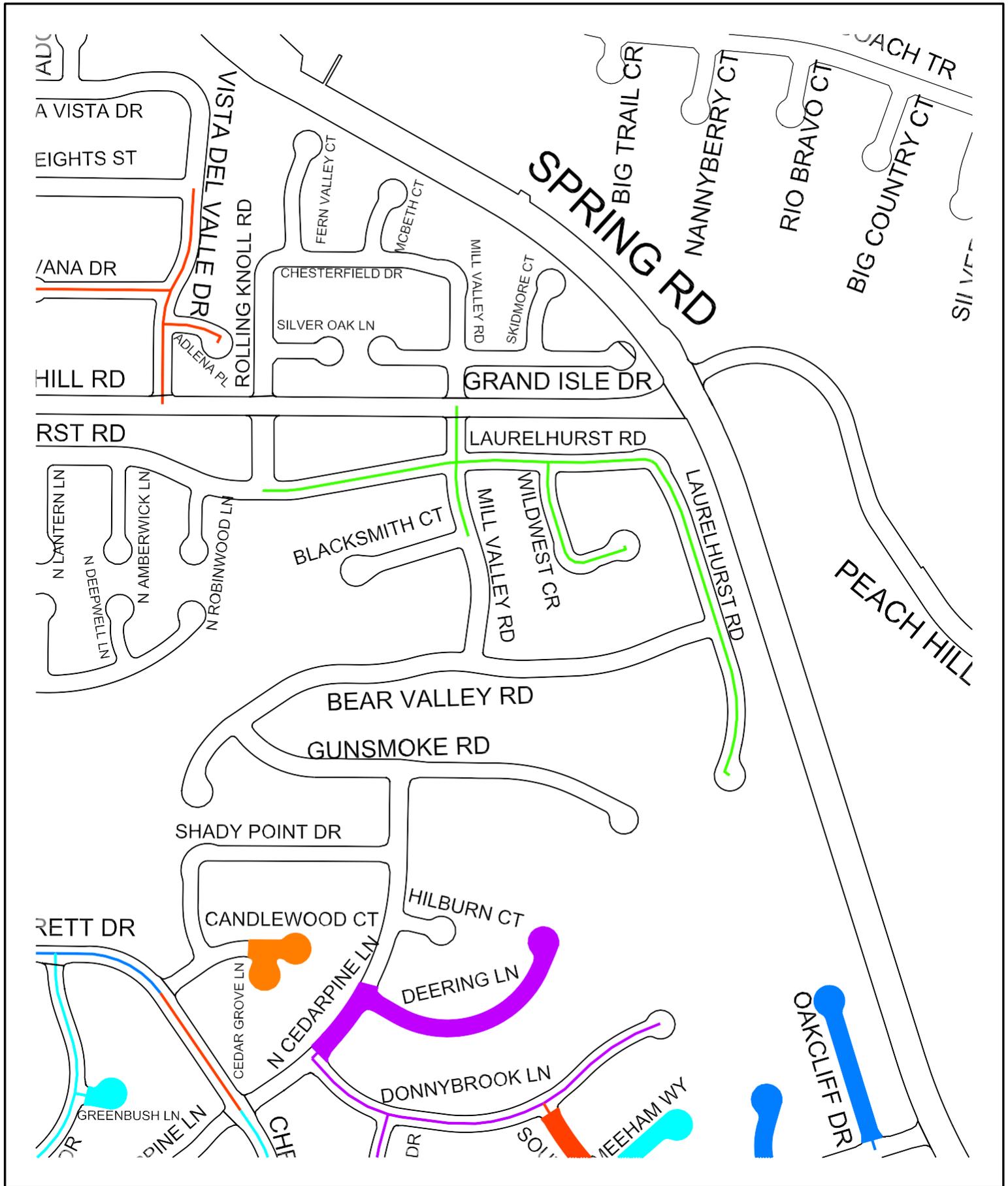
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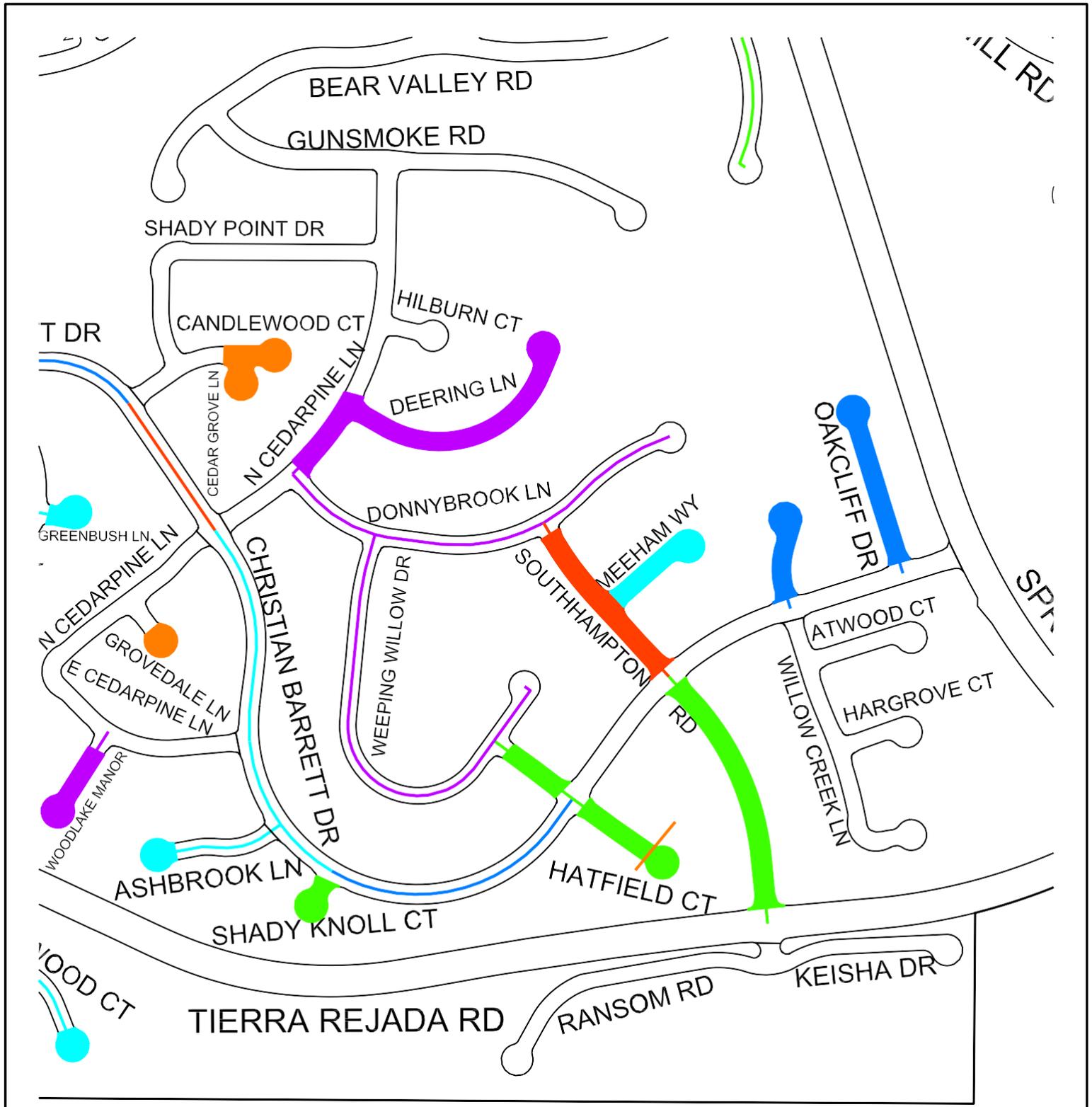
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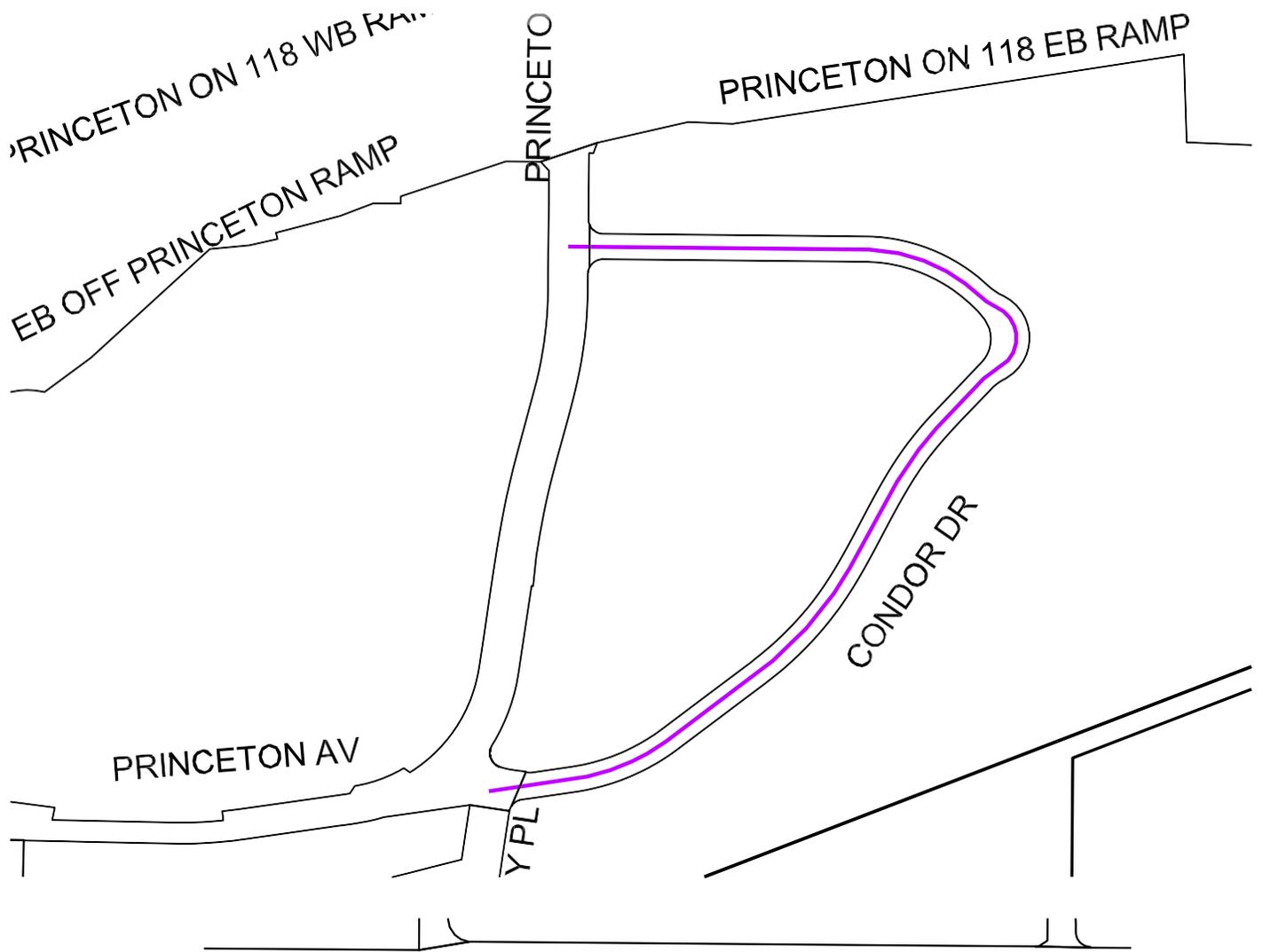


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2026 Pavement Rehabilitation
Specification No. MPK 26-02



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2026 Pavement Rehabilitation
Specification No. MPK 26-02

Appendix F:
**City of Moorpark Encroachment Permit
Application and Standard Conditions**



CITY OF MOORPARK

PUBLIC WORKS DEPARTMENT | 799 Moorpark Avenue, Moorpark, California 93021
Phone Number (805) 517-6256 | Fax (805) 532-2555 | moorpark@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. **Notify the City 24 hours in advance of the start of work and every day an inspection will be required at (805) 517-6362.** A copy of the complete permit and attachments must be on site at all times. Solid waste must be handled by the City's exclusive franchise hauler, Waste Management, (805) 522-9400. 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:

Quality Assurance Program



CITY OF MOORPARK DEPARTMENT OF PUBLIC WORKS

QUALITY ASSURANCE PROGRAM MANUAL (QAP)

A handwritten signature in blue ink, appearing to be 'DK', is written above the signature line.

APPROVED BY: _____

Signature

C70701, Expires 6/30/2025

RCE No. and Expiration Date

NAME: Daniel Kim
TITLE: City Engineer/Public Works Director
AGENCY: City of Moorpark

DATE: 5/6/2025

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**CITY OF MOORPARK
QUALITY ASSURANCE PROGRAM (QAP)**

SECTION 1 – GENERAL DISCUSSION

The purpose of this Quality Assurance Program (QAP) is to provide material sampling and testing procedures to be used during construction of Federal-Aid highway projects off the National Highway System (NHS) and to provide assurance that the materials incorporated into the construction projects are in conformance with the contract plans and specifications, including approved changes. The main elements of a QAP are an acceptance program and an independent assurance program. This program will be updated every five years, or more frequent, if there are changes to the testing frequencies or to the tests themselves.

For federal construction projects, the City of Moorpark is required to adopt a QAP. The State of California Department of Transportation (Caltrans) will not process a Request for Authorization for Construction without verification of an adopted QAP. The QAP must be signed by the Public Works Director, or if the Director is not a Registered Engineer, it must be delegated to the next highest Registered Engineer. Copies of the QAP must be kept on file and available for state review.

The City of Moorpark is required to adhere to this QAP, as outlined in this document, during the construction of the project. However, the QAP shall not be considered as part of the contract. But rather, the QAP should be view as the City of Moorpark’s commitment to the Federal Highway Administration (FHWA).

SECTION 2 – VARIATIONS FOR PROJECTS ON OR OFF THE STATE HIGHWAY SYSTEM

The QAP requirements depends on whether the project is on, or off, the State Highway System (SHS).

For Projects on the SHS, the City of Moorpark will adopt the Caltrans QAP, as detailed in the following manuals and guides:

- Caltrans Construction Manual
- Construction Manual Supplement for Local Agency Resident Engineers
- Local Agency Structure Representative Guidelines
- Independent Assurance Manual

Additionally, the current Caltrans Standard Specifications (CTSS) and Plans must be part of the Plans, Specifications, and Estimate (PS&E). Test methods used must be specified in the CTSS and Special Provisions.

For Projects off the SHS, the City of Moorpark will utilize this QAP, as outlined in this document, and that conforms to the requirements of the FHWA. For projects off the SHS,

but on the National Highway System (NHS), the City of Moorpark must use the most current CTSS or Standard Plans and Specifications for Public Works Construction (the “Greenbook”). Test methods used may be either California Test Method, American Society of Testing and Materials, American Association of State Highway and Transportation Officials, or other national recognized test methods, but must be specified in the contract documents.

SECTION 3 – DEFINITION OF TERMS

- Acceptance Testing (AT) – Sampling and testing, or inspection, to determine the degree of compliance with contract requirements.
- Independent Assurance Program (IAP) – Verification that AT is being performed correctly by qualified testers and laboratories.
- Quality Assurance Program (QAP) – A sampling and testing program that will provide assurance that the materials and workmanship incorporated into the construction project are in conformance with the contract specifications. The main elements of a QAP are the AT and IAP.
- Source Inspection – AT of manufactured and prefabricated materials at locations other than the job site, generally at the manufactured location.

SECTION 4 – MATERIALS ACCEPTANCE PROGRAM

4.1 Acceptance of Unprocessed and Processed Soils and Aggregates

The acceptance of processed and unprocessed soils and aggregates include verification sampling, testing, and inspection, and in special cases, may include the results of quality control sampling and testing. Examples of unprocessed materials include sand, subgrade, and embankment and backfill materials. Examples of processed materials include aggregates, base material, Portland Cement Concrete (PCC), and asphalt hot mix (HMA). The project plans, specifications, and the QAP work together to ensure the quality of the soils and aggregate entering the project.

Generally, the contract will specify what criteria the material must meet and what test method will be used to determine if the material has passed or failed. The QAP will specify the minimum number of samples to be taken, the tests to be performed to ensure the material has met the criteria, and from where the material will be sampled. Sometimes, the project plans and specifications may specify the frequency and location of the sampling and test, overriding the QAP.

4.2 Responsibilities of the Resident Engineer

It is important that the Resident Engineer (RE) reads each contract and not assume a new contract has the same specifications and criteria from past projects. The RE must ensure the correct criteria is used to determine if the material passes or fails. The passing criteria is found in the project specifications, but in some cases, the specifications allow the contractor to submit mix designs which establish the criteria. For example, the

contractor is allowed to submit gradation target values (TV) for HMA mix designs and chose "X" factors for concrete mix designs. The RE shall ensure that the mix designs are approved prior to the start of work and that the laboratory and inspectors have been provided with a copy of the approved mix design.

The RE must ensure the correct test method is used as specified in the contract. Verification and quality control testing must be performed in accordance with the recognized testing standard. While California Test Methods, the American Society for Testing and Materials (ASTM), and the American Association of State Highway and Transportation Officials (AASHTO) test methods are all acceptable test methods for the City of Moorpark, the test method used must be specified in the contract documents at the time of bid. The RE or laboratory cannot change the test method during the project without first processing a Change Order and providing a justification. The RE must ensure the correct version of the test method is being used. When the specifications reference a test method by number, it indicates the test in effect on the date of the Notice to Bidders. This means the test methods for each project are fixed and are not necessarily the latest revisions.

- California Test Methods: www.dot.ca.gov/hq/esc/ctms/index.html
- ASTM Test Methods: www.astm.org
- AASHTO Test Methods: www.transportation.org

The RE must ensure that field personnel who perform tests for compliance with the specifications are certified to conduct the test method indicated by the contract. This is further discussed under Independent Assurance Program.

4.3 Testing and Sampling Frequency Tables

The RE must ensure the minimum number of samples are taken and tests are performed, as required by the QAP's Testing and Sampling Frequency Table. Often, a QAP will call for taking more samples than are used to perform tests. This is beneficial in the case of failing test results. With additional samples, the RE is able to perform additional testing of samples to determine the exact limits of the failing materials.

4.4 Test Data and Summary Logs

The RE must obtain test data and results from the laboratory in a timely manner and keep records of all samples and tests in the project files. The RE must keep a test result summary log for each test method performed more than once; utilize the Acceptance Testing Results Summary Log, or a similar form. On larger projects, it may be necessary to keep multiple logs for the same test method, broken out by salient features such as compaction tests performed on the roadway structural section on one log and those performed on the structural backfill on a separate log. The use of a summary log facilitates the review of material sampling and testing by Caltrans and FHWA reviewing personnel. It also assists the RE in tracking the frequency of the testing.

4.5 Failing Test

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

4.6 Mix Design Approval and Checking

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

4.7 Acceptance of Minor Quantities of Materials Without Testing

Relatively minor quantities of construction materials may be accepted without testing provided the following three (3) conditions are met:

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

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

- Aggregates other than for use in Portland Cement Concrete, not to exceed 100 tons per day nor more than 500 tons per project.
- Bituminous mixtures (including HMA); not to exceed 50 tons per day (sample at Engineer's discretion if project total is less than 500 tons)
- Bituminous material (including asphalt); not to exceed 100 gallons per project.

4.8 Acceptance of Manufactured or Fabricated Materials

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

Source Inspection

Source inspection is the inspection, sampling, and testing of manufactured and prefabricated materials at locations other than the job site. It is most commonly performed on materials involving structural integrity or safety to the public, such as precast pre-stressed concrete members, structural steel, and poles for electrical systems. The purpose is to ensure that structural materials comply with contract requirements regarding raw materials, fabrication processes, personnel certification, and in-process quality control testing.

The City determines which materials will be source inspected. For a list of manufactured or prefabricated materials that are commonly source inspected for Caltrans projects, see Table 6-2.1, Inspection of Fabricated and Manufactured Materials of the Caltrans Construction Manual. Resources to assist in the development of a Source Inspection Program can be found at: <https://mets.dot.ca.gov/manuals/SIGLA/>.

Source inspection is performed by the City or a qualified consultant. Caltrans no longer provides source inspection services for projects off the SHS. Caltrans may provide source inspection for projects on the SHS if terms are detailed in a cooperative agreement or encroachment permit. For more details on the inspection procedures, refer to CTCM Section 6-3: Field Tests and the Office of Structural Materials Practices and Procedures (OSMPP) manual.

Due to the costs incurred when traveling to inspect materials sourced far from the job site, CTSS Section 6-3.05B: Source Inspection Expense Deductions provides the details for deductions to be taken when applicable.

Verification at the source of fabrication does not guarantee acceptance at the job site. Table 6-2.1, previously referenced, also includes items that must be checked, or rechecked, at the job site to ensure that the materials are acceptable. The RE must inspect the material upon arrival to be sure it meets the requirements of the specifications and is undamaged by shipping and handling. The RE must obtain and file the source inspectors report.

Materials Accepted on the Basis of Authorized Materials List

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

Materials Accepted by Certificate of Compliance

The City may permit the use of certain manufactured products, materials, or assemblies accompanied by a Certificate of Compliance (COC) prior to sampling and testing, provided these products, materials, or assemblies do not involve structural integrity or safety to the public. Additionally, these items must have a history of having met specifications based upon previous sampling and testing. The manufacturer of the products, materials, or assemblies must sign the COC and state that the included materials and workmanship conform in all respects to the project specifications. The contract documents must specify which materials require the Contractor to submit a COC. The RE is responsible for ensuring that a COC is furnished with each lot of these materials delivered to the work site. Materials Requiring a Certificate of Compliance, per the Caltrans Standards Specifications, and Materials Requiring a Certificate of Compliance, per the Greenbook are lists of materials for which the contractor must submit a COC per the respective project specifications. The COC must be furnished before the material is incorporated into the work and include:

- Project Number
- Certified material lot number matching lot tags affixed or stenciled to the release materials.
- Manufacturer's signature
- A statement that the material complies with the specifications of the contract.

All materials accepted on the basis of a signed COC must be documented in the inspector's daily reports. Inspect the material upon arrival to be sure it meets the requirements of the specifications and is undamaged by shipping and handling before accepting. Manufactured products, materials, or assemblies used on the basis of a COC may be sampled again at the job site and tested at any time during the life of the contract. Items found not in conformance with contract requirements must be rejected whether in place or not.

A COC for each item must be kept in the RE's file.

4.9 Materials Requiring a Buy America Certification

Iron and steel, manufactured products, and construction materials permanently incorporated into the project must comply with Buy America requirements per 23 CFR 635.410 and Section 70914 of the Build America, Buy America (BABA) Act. All steel and iron products must be delivered with a COC stating all manufacturing processes involved in the production of the products occurred within the United States. These processes include:

- Rolling
- Extruding

- Machining
- Bending
- Grinding
- Drilling
- Coating
- Welding
- Smelting

In addition to the COC requirements mentioned earlier in this section, a Buy America COC must also include the mill markings or heat numbers. All manufacturing processes for construction materials as defined in 2 CFR 184.6 must occur in the United States. Contractors must provide certificates of compliance with each project delivery for all construction materials used for the projects. Manufacturer's certificate of compliance must identify where the construction material was manufactured and attest specifically to 2 CFR 184.6. Minor additions of articles, materials, supplies, or binding agents to these construction materials do not change the categorization of the construction material.

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

Buy America does not apply to temporary materials not permanently incorporated into the project such as temporary steel used in falsework, sheet piling, or shoring. Buy America requirement does not apply to recycled steel nor pig iron and processed, pelletized, and reduced iron ore manufactured outside the United States. A minimal use of foreign iron and steel is allowed provided that the total cost of iron and steel products as delivered to the project site is less than \$2,500 or 0.1 percent of the total contract amount, whichever is greater. The City must track the amount of incorporated foreign steel and iron as the work proceeds to ensure that the minimal use threshold amount is not exceeded at any point in the contract. Once the cumulative value reaches the minimum threshold limit, then all additional installed materials must be of domestic origin. Supporting documentation for this minimal use must be on file in the project records (i.e., invoices, including the cost of transportation).

After-the-fact discoveries of non-domestic materials incorporated in the project are not considered Buy America waivers. The City's failure to comply with Buy America provisions will result in the loss of federal funding for not only the applicable contract items, but likely will result in the loss of all federal funding authorized for the construction phase of the project. In the event an after-the-fact discovery occurs, the City must expeditiously inform their District Local Assistance Engineer, who will coordinate with FHWA to determine the appropriate resolution.

The Resident Engineer shall be responsible for all compliance measures to fulfill the terms of the Buy America requirements.

SECTION 5 – INDEPENDENT ASSURANCE PROGRAM (IAP)

The other main element of a QAP program is the Independent Assurance Program (IAP). The following information regarding an IAP is directed to REs and construction management staff implementing the QAP during project construction. QAP developers and laboratory managers are directed to the QAP Manual and the Independent Assurance Manual for more detailed information on developing and maintaining an Independent Assurance Program.

The IAP shall be provided by personnel from Caltrans, or consultant's certified materials laboratory. The IAP consists of activities that are unbiased and are an independent evaluation of all the sampling and testing procedures used in the acceptance program. The requirements are defined in 23 CFR 637:

- Testing equipment be evaluated by using calibration checks and proficiency samples.
- Testing personnel be evaluated by observation and proficiency samples.

It is often said that an acceptance program tests the material, while the IAP tests the tester.

5.1 Responsibilities of the Resident Engineer

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

- Obtaining Certifications of all Sampling and Testing personnel.
- Obtaining Qualifications for all laboratories.
- Verifying equipment is calibrated.

5.2 Certification of Sampling and Testing Personnel

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

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

For CTMs not covered by the JTCP, Caltrans will still provide certification. When test methods are not covered by the JTCP or Caltrans' methods are used, certifications must be obtained from other acceptable organizations such as ACI, or the City of Moorpark/testing consultant may need to hire a second laboratory to perform the IAP. The process for qualifying sampling and testing personnel should be detailed in the LPA's Independent Assurance Program of the QAP.

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

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

5.3 Qualification of Laboratory

The City of Moorpark will use a private consultant materials laboratory to perform AT on Federal-aid and other designated projects. All laboratories providing testing services for the project located in California must:

- Posses a current certificate of qualification.
- Be under the responsible engineering management of a California Registered Professional Engineer with experience in inspection and testing of construction materials. The Engineer must certify the results of all tests performed by laboratory personnel under their supervision.
- Maintain their laboratory testing equipment in accordance with recognized national calibration standards.
- Participate in one, or all, of the following:
 - AASHTO re:source Proficiency Sample Program
 - Cement and Concrete Reference Laboratory (CCRL) inspection programs
 - Caltrans Reference Sample Program

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

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

AASHTO re:source and CCRL programs to fulfill proficiency sample testing program requirements.

5.4 Equipment Calibration

The City of Moorpark's consultant laboratory must calibrate field construction laboratory equipment and portable field test equipment (sand cones, scales, moisture test equipment, slump cones, air meters, etc.) prior to use on construction projects, and re-calibrate as frequently as required. The maximum interval between calibrations is one year. The City of Moorpark is responsible for calibration of laboratory testing equipment used for testing on City projects, whether or not the equipment is owned by the City, a consultant contractor, or sub-contractor. Consultant laboratory-supplied equipment must be calibrated by the consultant or the City.

Calibration of test equipment must conform to CTCM Section 6-3. Two sections in the QAP manual describe the procedures that the IA personnel are to use when calibrating materials testing equipment. Upon proper calibration, a decal must be firmly affixed to each piece of calibrated equipment. Decal type and required information are specified in Appendix B of the Quality Assurance Program Manual. A manufacturer's or service contractor's decal is acceptable as long as the above-required information is readily available. Should such decal become unreadable or lost, then the equipment is to be re-calibrated as soon as possible. Where such equipment either requires repair or cannot be repaired, a timely repair or replacement must be secured.

5.4.1 Equipment Calibration – Nuclear Gauge

All City of Moorpark and/or consultant's nuclear gauges must be calibrated on National Institute for Standards and Technology (NIST) traceable blocks and have current calibration stickers.

5.4.2 Equipment Calibration – Materials Plant

Plants producing construction materials such as HMA, concrete, cement-treated bases, lean concrete bases, etc. must have a current CEM-4204: Material Plant Quality Program Acceptance Sticker or California Test 109: Method for Testing of Material Production Plants approval. This ensures the accuracy and suitability of the scales and meters used to proportion materials and is important to the uniformity and quality of the material. The Material Plant Quality Program can be found at <https://dot.ca.gov/programs/construction/material-plant-quality-program>.

SECTION 6 – REPORTING ACCEPTANCE TESTING RESULTS

The following are time periods for reporting material test results to the Resident Engineer:

- When the aggregate is sampled at material plants, test results for Sieve Analysis, Sand Equivalent and Cleanness Value should be submitted to the Resident Engineer within 24 hours after sampling.
- When materials are sampled at the job site, test results for compaction and maximum density should be submitted to the Resident Engineer within 24 hours after sampling.
- When soils and aggregates are sampled at the job site:
 - (1) Test results for Sieve Analysis, Sand Equivalent and Cleanness Value should be submitted to the Resident Engineer within 72 hours after sampling.
 - (2) Test results for “R” Value and asphalt concrete extraction should be submitted to the Resident Engineer within 96 hours after sampling.

When sampling products such as Portland Cement Concrete (PCC), cement-treated base (CTB), hot mix asphalt (HMA), and other such materials; the time of such sampling shall be varied with respect to the time of the day insofar as possible, in order to avoid a predictable sampling routine. The reporting of AT results, if not performed by the Resident Engineer’s staff, shall be done on an expedited basis such as by fax or telephone.

SECTION 7 – RECORDS

All material records of samples, tests, material releases, and certificates of compliance for a given project must be incorporated into the project file. It is recommended that this file be organized as described in Section 16.3: Maintaining Project Records of this chapter. The complete project file must be available at a single location for inspection by Caltrans and FHWA personnel at any time during the construction project. The file must be available at the City administrative office for at least three years following the date of final voucher. When two or more projects are being furnished materials simultaneously from a single plant, it is not necessary to secure separate samples for each project; however, individual test reports are to be supplied to complete the records for each project.

SECTION 8 – CERTIFICATION

Upon completion of the project, the RE must complete Exhibit 17-G: Materials Certificate. The City’s Person in Responsible Charge must sign the certificate. All materials incorporated into the work which did not conform to specifications must be explained and justified on the Materials Certificate, including changes by virtue of change order. The original is submitted to the District Local Assistance Engineer in the Report of Expenditures and a copy is placed in the project file.

The RE in charge of the construction function for the City shall sign the certificate. All materials incorporated into the work which did not conform to specifications must be explained and justified on the “Materials Certification”, including changes by virtue of

contract change orders. See Attachment 8 for an example (Appendix K of the QAP Manual).

SECTION 9 – ATTACHMENTS

1. LAPM Exhibit 16-R Sampling and Testing Frequency Table
2. LAPM Exhibit 16-T Materials Accepted by Certificate of Compliance
3. LAPM Exhibit 16-T1 Materials Requiring a Certificate of Compliance per Caltrans Standard Specifications
4. LAPM Exhibit 16-T2 Materials Requiring a Certificate of Compliance or Certified Test Results, Greenbook 2018
5. LAPM Exhibit 16-Z2 Acceptance Testing Results Summary Log
6. LAPM Exhibit 17-G Materials Certificate
7. Appendix J from Caltrans QAP – Example of Vendor’s Certificate of Compliance
8. Appendix K from Caltrans QAP – Examples of Materials Certificates/Exceptions

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

Sample for Local Agency QAPs

Sampling and Testing Frequency Table
for projects OFF the SHS.

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

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

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

SUBGRADE (DISTURBED BASEMENT SOIL) OR EMBANKMENT

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

AGGREGATE BASES AND SUBBASES, IMPORTED BORROW

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

STRUCTURE BACKFILL, SELECT BACKFILL

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

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

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

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

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

Exhibit 16-T Materials Accepted By Certificate of Compliance

Table 6-2.3 Materials Accepted by Certificate of Compliance (1 of 7)

Material/Product	Remarks (Including Requirements for Additional Back-Up Information Required with Certificate of Compliance)
Asphalt	
Asphaltic emulsion	Certificate of compliance must include the following: 1. Shipment number and shipment date. 2. Source refinery, consignee, and destination. 3. Type and description of material with specific gravity and quantity. 4. Contract or purchase order number. 5. Signature by the manufacturer of the material and a statement that the material complies with the contract.
Asbestos cement pipe	
Asbestos sheet packing	
Asphalt modifier	Test results required with each truck load.
Asphalt rubber joint sealant	A certified test report of the results for the required tests performed within 12 months before the proposed use.
Backer rods	Must include manufacturer's statement of compatibility with the joint sealant to be used.
Barbed Wire	
Blast cleaning material	
Bonding Material	
Brick	
Cable-type restrainers Lock nuts	Certificate of compliance must be submitted with a copy of each required test report.
Cast iron pipe	
Cast iron manhole rings and covers	
Chemical adhesive for bonding tie bars and dowel bars in concrete pavement	
Chemical adhesive for structures	Certificate of compliance must state compliance with ICBO AC 58 and Caltrans. Augmentation/Revisions to ICBO AC 58.
Concrete Admixture	Certificate of compliance from the manufacturer must certify that the admixture furnished is the same as that previously authorized or the authorized materials list.
Concrete Cementitious material	Certificate of compliance must include the source name and location. If the cementitious material is delivered directly to the job site, the certificate of compliance must be signed by the cementitious material supplier. If the cementitious material is used in ready-mixed concrete, the certificate of compliance must be signed by the concrete manufacturer. If blended cement is used, the certificate of compliance must include a statement signed by the blended cement supplier that shows the actual percentage of SCM, by weight, in the blend.
Concrete Curing compound	Certificate of compliance must include: 1. Test results for the tests specified in Section 90-1.01D(6) [90-7.01B] of the <i>Standard Specifications</i> . 2. Certification that the material was tested within 12 months before use.
Concrete Minor concrete	Before placing minor concrete from a source not previously used on the contract, a certificate of compliance stating that the minor concrete to be furnished complies with the contract requirements, including the specified minimum cementitious material content.
Ceramic tile	
Chain link fencing and railing	Certificate required for protective coating system.
Concrete anchorage devices	

Materials Accepted by Certificate of Compliance**Table 6-2.3 Materials Accepted by Certificate of Compliance (2 of 7)**

Material/Product	Remarks (Including Requirements for Additional Back-Up Information Required with Certificate of Compliance)
Concrete pipe Circular reinforced direct design method	Certificate of compliance must: 1. Be signed by the manufacturer's quality control representative. 2. State that all materials and workmanship comply with the specifications and authorized shop drawings.
Copper pipe	
Corrugated metal pipe	
Crack sealant	Certificate of compliance must include: 1. Manufacturer's name 2. Production location 3. Product brand or trade name 4. Product designation 5. Batch or lot number 6. Crack treatment material type 7. Contractor or subcontractor name 8. Contract number 9. Lot size 10. Shipment date 11. Manufacturer's signature
Crash cushions	
Crumb rubber modifier	Test results required with each truck load.
Culvert markers	
Delineators	Certificate of compliance required for: 1. Metal target plates 2. Enamel coating 3. Retroreflective sheeting
Dowel bar baskets	
Drop inlet grates and frames	
Drain tile	
Drip irrigation line	
Elastomeric Bearing Pads Plain	Certified test results for the elastomer.
Elastomeric Bearing Pads Steel-reinforced	Certified test results.
Electrical Battery back-up system	Certificates of compliance is required for: <ul style="list-style-type: none"> • External cabinet • Batteries
Electrical Conductor	
Electrical Conduit (galvanized and plastic)	
Electrical Equipment	
Electrical Pull boxes (concrete and plastic)	
Electrical Service cabinets	

Materials Accepted by Certificate of Compliance**Table 6-2.3 Materials Accepted by Certificate of Compliance (3 of 7)**

Material/Product	Remarks (Including Requirements for Additional Back-Up Information Required with Certificate of Compliance)
Erosion control	Certificate of compliance is required for: <ul style="list-style-type: none"> • Straw • Fiber • RECP • Fasteners Certificate of compliance with attachments are required for: <ul style="list-style-type: none"> • Tackifier • Bonded fiber matrix • Polymer-stabilized fiber matrix Certificates of compliance attachments include: <ol style="list-style-type: none"> 1. Material Safety Data Sheet. 2. Product label. 3. List of applicable nonvisible pollutant indicators for soil amendment and stabilization products as shown in the table titled "Pollutant Testing Guidance Table" in the Caltrans Construction Site Monitoring Program Guidance Manual. 4. Report of acute and chronic toxicity tests on aquatic organisms conforming to EPA methods. 5. List of ingredients, including chemical formulation. 6. Properties of polyacrylamide in tackifier including (1) percent purity by weight, (2) percent active content, (3) average molecular weight, and (4) charge density.
Epoxy	
Epoxy powder coating for dowel bars and tie bars	
Expansion joint filler	
Fiberglass pipe	Certificate of compliance must be submitted with laboratory test results.
Gabions	If PVC coating is shown, a suitable UV resistance additive must be blended with the PVC and the additive must be shown on the certificate of compliance.
Geocomposite drain	Certificate of compliance must certify that the drain produces the specified flow rate. The certificate must be accompanied by a flow capability graph for the geocomposite drain showing flow rates and the externally applied pressures and hydraulic gradients. Verification must be by an authorized laboratory for the flow capability graph.
Geosynthetics	Test sample representing each lot and minimum average roll value.
Glass beads	
Glue laminated timbers and decking	
Guide markers	
Irrigation hose	
Irrigation pipe	Certificate of compliance required for: <ul style="list-style-type: none"> • Polyethylene pipe. • Plastic pipe supply line for pipe with wall thickness of the bell less than the specified minimum wall thickness of the pipe.
Joint filler material	
Joint seals (Type A and AL)	Certified test report for each batch of sealant.

Materials Accepted by Certificate of Compliance**Table 6-2.3 Materials Accepted by Certificate of Compliance (4 of 7)**

Material/Product	Remarks (Including Requirements for Additional Back-Up Information Required with Certificate of Compliance)
Joint seal (Type B)	Certificate of compliance required for: <ul style="list-style-type: none"> • Elastomeric joint seal • Lubricant-adhesive Certificate of compliance must be submitted with certified test report for each lot of elastomeric joint seal and lubricant-adhesive. Test reports must include the seal movement rating, the manufacturer's minimum uncompressed width, and test results.
Joint seal assemblies with a movement rating of 4 inches or less	For alternative joint seal assemblies, a certificate of compliance must be submitted for each shipment of joint seal materials. The certificate must state that the materials and fabrication involved comply with the specifications and the data submitted in obtaining the authorization for the alternative joint seal assembly.
Joint seal assemblies with a movement rating over 4 inches	
Lime	Certificate of compliance must include a statement certifying the lime furnished is the same as on the authorized material source list.
Machine spiral wound PVC pipeliners	Certificate of compliance for each reel of PVC strip must include: <ol style="list-style-type: none"> 1. Name of manufacturer 2. Plant location 3. Date of manufacture and shift 4. Cell classification 5. Unit mass 6. Average pipeliner stiffness and profile type
Markers	Certificate of compliance required for: <ol style="list-style-type: none"> 1. Metal target plates 2. Enamel coating 3. Retroreflective sheeting
Masonry block	Certificate of compliance required for: <ol style="list-style-type: none"> 1. Concrete masonry units 2. Aggregate for grout 3. Grout
Micro surfacing emulsion	
Mulch	
Open steel flooring and grating	
Overside drains	Certificate of compliance based on steel materials, aluminum materials or plastic materials.
Parking area seal material	
Pavement markers	
Pavement marking Paint or thermoplastic	
Plastic lumber	Laboratory test report.
Plastic traffic drums	
Plastic pipe for drainage	Certificate of compliance must include average pipe stiffness, resin material cell classification, and date of manufacture. For corrugated polyethylene pipe, manufacturer's copy of plant audits and test results from the National Transportation Products Evaluation Program for the current cycle of testing for each pipe diameter furnished.
Portable changeable message sign	
Precast concrete Cementitious material used in precast concrete products	Certificate of compliance must be signed by the precast concrete product manufacturer.

Materials Accepted by Certificate of Compliance**Table 6-2.3 Materials Accepted by Certificate of Compliance (5 of 7)**

Material/Product	Remarks (Including Requirements for Additional Back-Up Information Required with Certificate of Compliance)
Precast concrete Box culverts	Certificate of compliance must signed by the manufacturer's QC representative for each shipment.
Precast raised traffic bars	
Preformed compression seal for concrete pavement	
Preformed membrane sheet	Must include type of sheet and the conditioner or primer application rates.
Rapid strength concrete	Certificate of compliance is required for each delivery of aggregate, cementitious material, and admixtures used for calibration tests. The certificate of compliance must state that the source of the materials used for the calibration tests is the same source as to be used for the planned work.
Reinforcement	You may request that the contractor submits with certificate of compliance: <ol style="list-style-type: none"> 1. Copy of the certified mill test report for each heat and size of reinforcing steel showing physical and chemical analysis. 2. Two copies of a list of all reinforcement before starting reinforcement placement.
Reinforcement Epoxy-coated	Certificate of compliance for each shipment of epoxy-coated reinforcement must be submitted with: <ol style="list-style-type: none"> 1. Certification that the coated reinforcement complies with ASTM A 775/A 775M for bar reinforcement or ASTM A 884/A 884M, Class A, Type 1, for wire reinforcement 2. All certifications specified in ASTM A 775/A 775M for bar reinforcement or ASTM A 884/A 884M for wire reinforcement.
Reinforcement Epoxy-coated prefabricated reinforcement	Certificate of compliance for each shipment of epoxy-coated prefabricated reinforcement must be submitted with: <ol style="list-style-type: none"> 1. Certification that the coated reinforcement complies with ASTM A 934/A 934M for bar reinforcement or ASTM A 884/A 884M Class A, Type 2 for wire reinforcement. 2. All certifications specified in ASTM A 934/A 934M for bar reinforcement or ASTM A 884/A 884M for wire reinforcement.
Reinforcement Epoxy-coating patching materials	Certificate of compliance for the patching material must include certification that the patching material is compatible with the epoxy powder to be used.
Reinforcement Headed bar	Certificate of compliance for each shipment of headed bar reinforcement must be submitted with: <ol style="list-style-type: none"> 1. Mill test reports for the: <ol style="list-style-type: none"> 1.1. Bar reinforcement 1.2. Head material 2. Production test reports 3. Daily production logs
Reinforcement Splicing	Certificate of compliance for each shipment of splice material must be submitted with: <ol style="list-style-type: none"> 1. Type or series identification of the splice material, including tracking information for traceability. 2. Grade and size number of reinforcement to be spliced. 3. Statement that the splice material complies with the type of mechanical splice on the authorized material list. 4. For resistance-butt-welded material: <ol style="list-style-type: none"> 4.1. Heat number 4.2. Lot number 4.3. Mill certificates

Materials Accepted by Certificate of Compliance**Table 6-2.3 Materials Accepted by Certificate of Compliance (6 of 7)**

Material/Product	Remarks (Including Requirements for Additional Back-Up Information Required with Certificate of Compliance)
Sheet metal	
Sign panels	Certificates of compliance required for: <ol style="list-style-type: none"> 1. Aluminum sheeting 2. Retroreflective sheeting 3. Screened-process colors 4. Nonreflective, opaque, black film 5. Protective-overlay film
Silicone joint sealant	A certified test report of the results for the required tests performed within 12 months before the proposed use.
Slotted edge drain	
Snow poles	
Snow plow deflectors polyethylene material	
Soil amendment	
Steel crib wall	
Sheet metal	
Sign panels	Certificates of compliance required for: <ol style="list-style-type: none"> 1. Aluminum sheeting 2. Retroreflective sheeting 3. Screened-process colors 4. Nonreflective, opaque, black film 5. Protective-overlay film
Silicone joint sealant	A certified test report of the results for the required tests performed within 12 months before the proposed use.
Slotted edge drain	
Snow poles	
Snow plow deflectors polyethylene material	
Soil amendment	
Steel crib wall	
Steel pipe piles	The certificate of compliance must be signed by the plant's QC representative. The QC representative must be on record with the Department's Office of Structural Materials. certificate of compliance must include: <ol style="list-style-type: none"> 1. Statement that all materials and workmanship incorporated in the work and all required tests and inspections of this work have been performed as described. 2. Certified mill test reports for each heat number of steel pipe piles being furnished. 3. Test reports for tensile, chemical, and any specified non-destructive test (NDT). 4. Test reports must be based on test samples taken from the base metal, steel, coil or from the manufactured or fabricated piles. 5. Calculated carbon equivalent. The carbon equivalent may be shown on the mill test report.
Steel sheet piling	
Structural plate culverts	Certificate of compliance required for: <ol style="list-style-type: none"> 1. Structural metal plate pipe 2. Arches 3. Pipe arches 4. Metal liner plate pipe

Materials Accepted by Certificate of Compliance**Table 6-2.3 Materials Accepted by Certificate of Compliance (7 of 7)**

Material/Product	Remarks (Including Requirements for Additional Back-Up Information Required with Certificate of Compliance)
Structural shape steel piles	Certificate of compliance must include: 1. Test reports for tensile, chemical, and any specified NDT. Test samples must be taken from the base metal, steel, or from the manufactured or fabricated pile. 2. A statement that all materials and workmanship incorporated in the work and all required tests and inspections of this work have been performed as described.
Structural composite lumber used in falsework	
Structural steel thermal spray coat Wire feedstock	
Styrofoam filler	
Subsurface drain	
Temporary concrete washout	Certificate of compliance required for: <ul style="list-style-type: none"> • Gravel-filled bag • Plastic liner
Temporary fence (Type ESA)	Certificate of compliance required for: <ul style="list-style-type: none"> • High visibility fabric • Safety caps for metal posts
Temporary linear sediment barrier	Certificate of compliance required for: <ul style="list-style-type: none"> • Fiber roll • Safety cap for metal posts • Silt fence fabric • Sediment filter bag • Foam barrier • Gravel-filled bag fabric
Temporary railing (Type K)	
Thermoplastic	
Tie bars	
Tie bar baskets	
Timber products (treated and untreated)	Certificate of compliance for timber and lumber must state the species of the material to be shipped and include a certified grading report. If treated, certified treating report.
Threaded tie bar splice couplers	
Traffic stripe Paint or thermoplastic	
Turf sod	
Underdrains	Certificate of compliance required for: <ul style="list-style-type: none"> • Type of pipe • Tubing • Fitting
Waterproofing fabric	
Waterstop	Certificate of compliance for waterstop material must state compliance with paragraph 6 of Army Corps of Engineers CRD-C 572.
Welded wire fabric	
Wire mesh fencing	

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

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

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

Materials Requiring a Certificate of Compliance per Caltrans Standard Specifications

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

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

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

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

Materials Requiring a Certificate of Compliance per Caltrans Standard Specifications

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

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

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

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

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

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

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

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

Materials Requiring a Certificate of Compliance per Caltrans Standard Specifications

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

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

Greenbook 2018

Materials Requiring a Certificate of Compliance or Certified Test Reports

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

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

Exhibit 16-Z2 Acceptance Testing Results Summary Log

Test Method Name: _____

Test Method Number: _____

Project Name: _____

Contract Number: _____

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



Appendix J.1 - Example of a Vendor's Certificate of Compliance

No. 583408

STATE OF CALIFORNIA - DEPARTMENT OF TRANSPORTATION
VENDOR'S CERTIFICATE OF COMPLIANCE
 MR-0543 (REV. 5/93) #CT-7541-6020-2

PRECAST CONCRETE PRODUCTS OR **SOUNDWALL**

TO: **BILL SYNDER**

STATE HIGHWAY ENGINEER
RESIDENT ENGINEER - CITY OF FLATLAND

We certify that the portland cement, chemical and mineral admixtures contained in the material described below are brands stated and comply with specifications for:

CONTRACT NUMBER:		
CEMENT BRAND	XYZ CEMENT CO.	MILL LOCATION
TYPE	II MODIFIED	MIDLAND, CALIFORNIA
CHEMICAL ADMIXTURE		
1. BRAND	ABC. ADMIXTURE	MANUFACTURER
TYPE	WATER REDUCER	XYZ SUPPLIER
2. BRAND		MANUFACTURER
TYPE		

CHECK BOX IF A CHEMICAL ADMIXTURE WAS NOT USED

MINERAL ADMIXTURE	
MANUFACTURER	CLASS
POZZ. INC.	F

CHECK BOX IF A MINERAL ADMIXTURE WAS NOT USED

DELIVERY DATE (Ready-Mix)	DATES OF FABRICATION (Precast)
7/7/07	

LIST PRODUCTS TO WHICH CERTIFICATE APPLIES. (Show size and lin. ft. of pipe, etc., delivery slip numbers for ready-mix.)

*Portland Cement
 Flyash
 Water Reducer*

MANUFACTURER OF CONCRETE PRODUCTS
A.E.B. READY MIX

By: AUTHORIZED REPRESENTATIVE SIGNATURE
Joe Anderson

FM 93 1839

Original to Res. Engr. Retain Duplicate.

OSP 01 55624



Appendix J.2 - Example of a Certificate of Compliance for Portland Cement (continued)

This is to certify that the

Portland Cement .

Supplied by ABC Cement Company complies with all requirements for Type II Portland Cement when tested in accordance with ASTM C - 494.

Local Agency Project No.

HP21L – 5055 – 111

Albert Howakowa

Quality Assurance Engineer
ABC Cement Company

Date: 07/07/07 .



**Appendix K - Examples of Materials Certificates/Exceptions
 (Signed by the Resident Engineer at the Completion
 of the Project)**

Federal-aid Project No.: Project HP21L – 5055 – 111

Subject: Materials Certification

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

All materials exceptions to the plans and specifications on this project are noted below.

No exceptions were found to the plans and specifications on this project.

Bill Sanders
 Resident Engineer (Print Name)

Bill Sanders
 Resident Engineer (Signature)

7/7/07
 (Date)

Note: The signed original of this certificate is placed in the Resident Engineer’s project files and one copy is mailed to the DLAE and filed under “Report of Expenditures.”

See the attachment (next page)



Appendix K (continued)

Attachments: Materials Exceptions (Acceptance Testing)

Type of Test	Description of Work	Total Tests Performed On the Project	Number of Failed Tests	Action Taken
Slump Test	Concrete Sidewalk	8	1	When the measured slump exceeded the maximum limit, the entire concrete load was rejected.
Sand Equivalent	Aggregate for Structural Concrete	10	1	The tested S.E. was 70 and the contract compliance specification was 71 minimum. However, the concrete 28-day compressive strength was 4800 psi. The concrete was considered adequate and no materials deductions were taken.
Compaction	Sub grade Material	12	1	One failed test was noted. The failed area was watered and reworked. When this was completed, a retest was performed. The retest was acceptable.
Compaction	Hot Mix Asphalt	12	1	One failed area was noted. It was reworked and retested. The second test met specifications.

Bill Sanders
 Resident Engineer (Print Name)

Bill Sanders
 Resident Engineer (Signature)

July 4, 2007
 Date

Appendix H:

Storm Water Pollution Control Plan



City of Moorpark

Stormwater Pollution Control Plan

For Construction Projects Less Than One Acre

Project is (circle one): Public¹ 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 (If yes, attach proof of certification)
Capital Improvement Project No.: ²	

Project Contractor Responsible for SWPCP Implementation:	<div style="border-bottom: 1px solid black; margin-bottom: 5px;"></div> <div style="display: flex; justify-content: space-between;"> Name Phone Number </div>
--	---

Construction Start Date:	
Construction Completion Date:	

SWPCP Prepared by:

Name and Title:	
Company Name:	
Phone Number	
Date:	

¹ Public refers to the City of Moorpark, not other public agencies.

² 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).

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 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	
Erosion Control BMPs				
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			
Sediment Control BMPs				
SE-1	Silt Fence			
SE-6	Sandbag Barrier			
SE-8	Gravel Bag Barrier			
SE-7	Street Sweeping			
TC-1	Stabilized Construction Entrance/Exit			
Non-Stormwater Management				
NS-1	Water Conservation Practices			
NS-2	Dewatering Operations			
NS-3	Paving & Grinding Operations			
Waste Management				
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	
Storm Drain Inlet Protection & Other BMPs				
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.
Site Management				
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.