

CITY OF LAFAYETTE

**3675 Mt. Diablo Boulevard, Suite 210
(925) 284-1951
www.ci.lafayette.ca.us**



NOTICE TO CONTRACTORS BID PROPOSAL CONTRACT AGREEMENT CONTRACT SPECIAL PROVISIONS

FOR

CITY OF LAFAYETTE 2015 ROAD REHABILITATION PROJECT

Project No. 014-9701

**Bid Opening Date
Thursday, May 14, 2015, 2:30 p.m.**

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NOTICE TO CONTRACTORS

Sealed proposals will be accepted at the office of the City Clerk, 3675 Mt. Diablo Boulevard, Suite 210, Lafayette, California until 2:30 P.M., Thursday, May 14, 2015, at which time they will be publicly opened and read, for construction of **City of Lafayette, 2015 Road Rehabilitation Project, Project No. 014-9701**, including, but not limited to: mobilization; traffic control and construction signage; potholing utilities; clearing and grubbing including tree protection and trimming; removal and disposal of asphalt concrete pavement and subgrade, concrete and asphalt curb, gutter, flatwork; pulverizing, mixing, excavating, grading and compacting pavement subgrade and base materials; cement treatment of pulverized material; construction of minor concrete structures, concrete and/or asphalt curb, gutter, driveways, asphalt concrete pavement, storm drain facilities, traffic stripes, markers, and markings; adjustment of utility covers; installation of survey monuments; and all other miscellaneous work as shown on the Plans and as described in the Specifications to provide a complete project.

The Engineer's cost estimate is \$2,520,000.

Beginning April 20, the contract documents, including the Plans and Specifications, will be available and may be obtained through the City of Lafayette Engineering Services Division by contacting the Engineering Assistant at tkain@lovelafayette.org or (925)284-1951.

This project shall be constructed in accordance with the March 2013 edition of the City of Lafayette Standard Specifications, which may be obtained at the City of Lafayette Engineering Services Division. The cost of the Standard Specifications is \$20 per set. The cost of mailing is an additional \$8. If you already have the Standard Specifications (dated March 2013), you do not need to purchase a new copy.

Bids shall be submitted in a sealed envelope titled "**Proposal: City of Lafayette, 2015 Road Rehabilitation Project, Project No. 014-9701**".

The Contractor shall possess a Class "A" license at the time this contract is awarded.

Bidder's attention is directed to requirements in Sections 2 and 3 of the Standard Specifications General Provisions.

All bids shall be accompanied by a cashier's or certified check, or a bidder's bond executed by a corporate surety insurer. The bidder's guarantee shall be in the amount equal to at least ten (10) percent of the total bid and shall be made payable to the City of Lafayette. The successful bidder shall furnish a payment bond and a performance bond.

The City of Lafayette reserves the right to waive any informalities or to reject any or all bids.

The City Council has ascertained the General Prevailing Rates of Wages applicable to this work, and these rates are on file in the office of the City of Lafayette Engineering Services Division.


Time of completion allowed for this project will be 85 working days. Bidder's attention is directed to the order of work stated in Section 5 of the Special Provisions.

Questions regarding the project Plans or Specifications may be directed to Matt Luttrupp, City Engineer's Office, (925) 299-3247.

The plan holders list, as well as the City Standard Specifications, the Project Special Provisions and the General Prevailing Rates of Wages applicable to this work may be downloaded free of charge from the City of Lafayette web page at <http://www.ci.lafayette.ca.us> (click on *Public Works and Construction* under the Quick Links sidebar on the homepage, then *City Construction Projects*; the **2015 Road Rehabilitation Project** is accessible under *Projects Out to Bid*). Or you may contact the Engineering Assistant at (925) 284-1951.

CITY OF LAFAYETTE

Date: April 9, 2015

By: 
Tony Coe, City Engineer

**CITY OF LAFAYETTE
CALIFORNIA**

BID PROPOSAL

2015 ROAD REHABILITATION PROJECT

PROJECT No. 014-9701

TO THE CITY COUNCIL OF THE CITY OF LAFAYETTE:

In compliance with the annexed notice inviting sealed proposals, the undersigned bidder hereby proposes and agrees to perform the work therein described and to furnish all labor, materials and equipment necessary therefor, in accordance with the Plans and Specifications therefor, and further agrees to enter into a contract therefor, at the following prices:

| <u>ITEM NO.</u> | <u>ITEM DESCRIPTION</u> | <u>ESTIMATED QUANTITY</u> | <u>UNIT</u> | <u>UNIT PRICE</u> | <u>TOTAL</u> |
|-----------------|-------------------------|---------------------------|-------------|-------------------|--------------|
|-----------------|-------------------------|---------------------------|-------------|-------------------|--------------|

(SEE ATTACHED BID SCHEDULE)

- NOTES:
- All unit prices shall be considered the prices for providing a complete, in-place facility.
 - In the event of a discrepancy between the unit price and item total on the Bid Schedule, the unit price shall be used.

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Bidder acknowledges the receipt of the following addenda to the drawings and specifications.

| <u>Addendum No.</u> | <u>Date</u> | <u>Addendum No.</u> | <u>Date</u> |
|---------------------|-------------|---------------------|-------------|
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

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BID SCHEDULE

| ITEM NO. | ITEM DESCRIPTION | ESTIMATED QUANTITY | UNIT | UNIT PRICE | TOTAL |
|----------|--|--------------------|------|------------|-------|
| 1 | Mobilization (SP-12) | 1 | LS | | |
| 2 | Project Identification Signs (City Furnished) (SP-12) | 18 | EA | | |
| 3 | Construction Area Signs (SP-13) | 33 | EA | | |
| 4 | Traffic Control (SP-14) | 1 | LS | | |
| 5 | Clearing and Grubbing, Tree Trimming, and Tree Protection (SP-16) | 1 | LS | | |
| 6 | Tree Removal (SP-16) | 4 | EA | | |
| 7 | Lower Existing Manhole or Rodding Inlet Frame (SP-17) | 57 | EA | | |
| 8 | Adjust Existing Manhole or Rodding Inlet Frame and Cover to Grade (SP-17) | 57 | EA | | |
| 9 | Lower Existing Utility Valve Frame and Cover (SP-17) | 58 | EA | | |
| 10 | Adjust Existing Utility Valve Frame and Cover to Grade (SP-17) | 58 | EA | | |
| 11 | Adjust Utility Box to Grade (SP-17) | 2 | EA | | |
| 12 | Remove Existing Sign and Post (SP-17) | 3 | EA | | |
| 13 | Remove Fence (SP-17) | 41 | LF | | |
| 14 | Remove Drainage Inlet (SP-17) | 5 | EA | | |
| 15 | Remove Storm Drain Pipe (Various Sizes) (SP-17) | 624 | LF | | |
| 16 | Remove Asphalt Concrete Driveway, Pathway or Shoulder (SP-17) | 9,982 | SF | | |
| 17 | Remove Paver Driveway or Pathway (SP-17) | 245 | SF | | |
| 18 | Remove Concrete Ditch or Concrete Channel (SP-17) | 15 | SF | | |
| 19 | Remove Concrete Curb and Gutter (SP-17) | 5,206 | LF | | |
| 20 | Remove Obstructions in Gutter Pan (SP-17) | 26 | LF | | |
| 21 | Sawcut Gutter Lip (SP-17) | 69 | LF | | |
| 22 | Remove Concrete Driveway, Sidewalk, or Shoulder (SP-17) | 4,477 | SF | | |
| 23 | Remove Concrete Valley Gutter (SP-17) | 336 | SF | | |
| 24 | Relocate/Repair Sanitary Sewer Lateral (SP-17) | 30 | LF | | |
| 25 | Relocate Water Meter and Box (SP-17) | 2 | EA | | |
| 26 | Remove Brick Pillar Containing Mailbox/Reinstall Mailbox on New Post (SP-17) | 1 | EA | | |
| 27 | Relocate Mailbox on New Post (SP-17) | 14 | EA | | |

2014 ROAD REHABILITATION PROJECT
PROJECT NO. 014-9701
BID SCHEDULE

| ITEM NO. | ITEM DESCRIPTION | ESTIMATED QUANTITY | UNIT | UNIT PRICE | TOTAL |
|----------|--|--------------------|------|------------|-------|
| 28 | Concrete Curb (SP-23) | 16 | LF | | |
| 29 | Retaining Curb and Gutter (SP-23) | 35 | LF | | |
| 30 | Retaining Curb (SP-23) | 65 | LF | | |
| 31 | Concrete Curb and Gutter (SP-23) | 5,120 | LF | | |
| 32 | Concrete Driveway (SP-23) | 2,637 | SF | | |
| 33 | Concrete Sidewalk (SP-23) | 1,245 | SF | | |
| 34 | Concrete Curb Ramp with Detectable Panel (SP-23) | 609 | SF | | |
| 35 | Detectable Guide Strip Set in Concrete (SP-23) | 28 | LF | | |
| 36 | Concrete Ditch (SP-23) | 15 | SF | | |
| 37 | Concrete Valley Gutter (SP-23) | 336 | SF | | |
| 38 | Concrete Collar (SP-24) | 7 | EA | | |
| 39 | Reset Brick Paver Surfacing (SP-27) | 192 | SF | | |
| 40 | Install Type 'A' Inlet (SP-23) | 9 | EA | | |
| 41 | Retrofit Type 'C' Inlet Top to Type 'A' (SP-23) | 3 | EA | | |
| 42 | Install Type 'C' Inlet (SP-23) | 2 | EA | | |
| 43 | Install Type I Manhole (SP-23) | 3 | EA | | |
| 44 | Sheeting and Shoring (SP-24) | 1 | LS | | |
| 45 | 12" Class V Concrete Pipe (SP-24) | 46 | LF | | |
| 46 | 15" Class V Concrete Pipe (SP-24) | 24 | LF | | |
| 47 | 18" Class V Concrete Pipe (SP-24) | 566 | LF | | |
| 48 | 12" HDPE (SP-24) | 55 | LF | | |
| 49 | 18" HDPE (SP-24) | 460 | LF | | |
| 50 | 24" HDPE (SP-24) | 138 | LF | | |
| 51 | Extend Private Drain Line to Storm Drain Inlet (SP-24) | 3 | EA | | |
| 52 | Rock Slope Protection (SP-27) | 70 | SF | | |
| 53 | Asphalt Overside Drain and Rock Channel (SP-27) | 1 | LS | | |
| 54 | Full-Depth Asphalt Concrete Recycling (SP-18) | 16,252 | CY | | |

2014 ROAD REHABILITATION PROJECT
PROJECT NO. 014-9701
BID SCHEDULE

| ITEM NO. | ITEM DESCRIPTION | ESTIMATED QUANTITY | UNIT | UNIT PRICE | TOTAL |
|----------|--|--------------------|------|------------|-------|
| 55 | Roadway Excavation (SP-20) | 4,648 (F) | CY | | |
| 56 | Cold Plane Pavement (SP-21) | 1,888 (F) | SY | | |
| 57 | Cement Treat Pulverized Base Material (SP-18) | 8,242 | CY | | |
| 58 | Asphalt Concrete Pavement (SP-22) | 8,867 (F) | TONS | | |
| 59 | AC Driveway, Pathway or Shoulder on Existing Base Material (SP-22) | 7,822 | SF | | |
| 60 | AC Driveway, Pathway or Shoulder on New Base Material (SP-22) | 2,320 | SF | | |
| 61 | Asphalt Speed Hump (SP-22) | 2 | EA | | |
| 62 | Type 'A' Asphalt Dike/Berm (SP-22) | 1,761 | LF | | |
| 63 | Type 'C' Asphalt Dike/Berm (SP-22) | 2,650 | LF | | |
| 64 | Temporary Pavement Delineation (SP-14) | 1 | LS | | |
| 65 | Paint Curb (Red) (SP-25) | 194 | LF | | |
| 66 | Detail 6 -Dashed Centerline (SP-25) | 1,938 | LF | | |
| 67 | Detail 22- Centerline (SP-25) | 1,145 | LF | | |
| 68 | Detail 23 - Centerline (SP-25) | 440 | LF | | |
| 69 | Detail 27B - 4" White Thermoplastic Edge Stripe (SP-25) | 156 | LF | | |
| 70 | 12-Inch Thermoplastic Stripe (SP-25) | 564 | LF | | |
| 71 | Thermoplastic Pavement Legends and Markings (SP-25) | 190 | SF | | |
| 72 | Two-Way Reflective Pavement Markers (Blue) (SP-25) | 9 | EA | | |
| 73 | Install New Monument (SP-26) | 35 | EA | | |
| 74 | Shoulder Backing (SP-27) | 5,286 | LF | | |
| 75 | Re-grade Earth Ditch (SP-27) | 18 | LF | | |
| 76 | Re-grade Earth Embankment (SP-27) | 750 | SF | | |
| 77 | Relocate Traffic Sign on New Post (SP-28) | 3 | EA | | |
| 78 | Install New Traffic Sign and Post (SP-28) | 2 | EA | | |
| | TOTAL BASE BID | | | | |

(F) Denotes Final Pay Quantity per Section 9-1.015 of the State Specifications

Bidder agrees that in case of default in executing and returning the required contract and bonds within ten (10) calendar days after having received the contract, proceeds of the guarantee accompanying his bid will become the property of the City of Lafayette.

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In conformance with Subsection 2-13 "Listing of Proposed Subcontractors" of the Standard Specifications, the name and location of the place of business of each subcontractor is as follows:

| | <u>NAME</u> | <u>DIR NUMBER</u> | <u>ADDRESS</u> | <u>WORK TO BE PERFORMED</u> |
|----|-------------|-------------------|----------------|-----------------------------|
| 1. | _____ | _____ | _____ | _____ |
| 2. | _____ | _____ | _____ | _____ |
| 3. | _____ | _____ | _____ | _____ |
| 4. | _____ | _____ | _____ | _____ |
| 5. | _____ | _____ | _____ | _____ |

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Bidder certifies that he is licensed in accordance with an act providing for the registration of Contractors as follows:

License No. _____ Class _____

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Bidder certifies that he has not, nor have any of his or its agents, officers, representatives, or employees, been guilty of collusion with any officer or representative of the City of Lafayette or with any other party or parties in the submission of this Proposal; nor has said bidder received any preferential treatment by any officer or employee of the City of Lafayette in the matter of making or submitting this proposal. The undersigned declares under penalty of perjury that the foregoing is true and correct.

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Bidder certifies that there will be no discrimination in employment with regard to race, color, religion, sex, sexual orientation, or national origin; that all Federal, State, and local directives and executive orders regarding nondiscrimination in employment will be complied with and that the principle of equal opportunity in employment will be demonstrated positively and aggressively.

All bidders that have not had a contract with the City of Lafayette during the past three (3) years shall list below previous jobs that they have successfully completed and shall also show the amount of the contract

therefor.

| Name and Address of Agency or Individual for Whom Work was Done | Phone Number | Date Completed | Contract Price |
|--|-----------------|-------------------|-------------------|
| 1. | | | |
| 2. | | | |
| 3. | | | |
| 4. | | | |
| 5. | | | |
| 6. | | | |

NONCOLLUSION DECLARATION

The undersigned declares:

I am the _____ of _____, the party making the foregoing bid.
Title Firm

The bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation. The bid is genuine and not collusive or sham. The bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid. The bidder has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or to refrain from bidding. The bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder. All statements contained in the bid are true. The bidder has not, directly or indirectly, submitted his or her bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid, and has not paid, and will not pay, any person or entity for such purpose.

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

I declare under penalty of perjury under the laws of the State of California that the foregoing is true and correct and that this declaration is executed on _____, at
Date

_____, _____
City State

By: _____
Signature

Name: _____
Printed or Typed

Date: _____

Title: _____

PROPOSAL GUARANTEE

BID BOND

2015 ROAD REHABILITATION PROJECT

PROJECT No. 014-9701

KNOW ALL PERSONS BY THESE PRESENTS that _____, as BIDDER, and _____, as SURETY, are held and firmly bound unto City of Lafayette, as Owner, in the penal sum of _____ dollars (\$) which is ten percent of the total amount bid by BIDDER to Owner for the above stated project, for the payment of which sum, BIDDER and SURETY agree to be bound, jointly and severally, firmly by these presents.

THE CONDITIONS OF THIS OBLIGATION ARE SUCH that, whereas BIDDER is about to submit a bid to Owner for the above stated project, if said bid is rejected, or if said bid is accepted and a contract is awarded and entered into by BIDDER in the manner and time specified, then this obligation shall be null and void, otherwise it shall remain in full force and effect in favor of Owner.

IN WITNESS WHEREOF the parties hereto have set their names, titles, hands, and seals this ____ day of _____, 2015.

BIDDER _____

SURETY _____

Subscribed and sworn to this ___ day of _____, 2015.

NOTARY PUBLIC _____

PROPOSAL SIGNATURE SHEET

The completed proposal submitted herewith includes all sheets numbered "P-1 through P-10" at the bottom. The following required attachments have been executed and are included:

- a. Bid Proposal (with Addenda acknowledgement)
- b. Bid Schedule
- c. Noncollusion Declaration
- d. Proposal Guarantee "Bid Bond" with Notarized Signatures
- e. Proposal Signature Sheet
- f. Public Works Contractor Registration Certification

Legal Name of Firm: _____

Business Address: _____

Telephone Number: () _____

Type of Organization: () Individual () Partnership () Corporation

Joint Venture Proposal?: () Yes () No

Authorized Signature: _____

Name: _____

Position: _____

Date of Execution: _____

For a partnership, name all co-partners below,
For a corporation, name president, secretary, treasurer and manager.

| NAME | TITLE |
|-------|-------|
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |
| _____ | _____ |

Corporate Seal:

PUBLIC WORKS CONTRACTOR REGISTRATION CERTIFICATION

Pursuant to Labor Code sections 1725.5 and 1771.1, all contractors and subcontractors that wish to bid on, be listed in a bid proposal, or enter into a contract to perform public work must be registered with the Department of Industrial Relations. See <http://www.dir.ca.gov/PublicWorks/PublicWorks.html> for additional information.

No bid will be accepted nor any contract entered into without proof of the contractor's and subcontractors' current registration with the Department of Industrial Relations to perform public work.

Contractor hereby certifies that it is aware of the registration requirements set forth in Labor Code sections 1725.5 and 1771.1 and is currently registered as a contractor with the Department of Industrial Relations.

Name of Contractor: _____

DIR Registration Number: _____

Contractor further acknowledges:

1. Contractor shall maintain a current DIR registration for the duration of the project.
2. Contractor shall include the requirements of Labor Code sections 1725.5 and 1771.1 in its contract with subcontractors and ensure that all subcontractors are registered at the time of bid opening and maintain registration status for the duration of the project.
3. Failure to submit this form or comply with any of the above requirements may result in a finding that the bid is non-responsive.

Signature: _____

Name and Title: _____

Dated: _____

CITY OF LAFAYETTE
CONTRACT AGREEMENT
FOR
CONSTRUCTION

THIS AGREEMENT is made and entered into as of _____, 2015, by and between the CITY OF LAFAYETTE ("City") and _____ ("Contractor").

RECITALS

- A. City desires to retain the services of Contractor to provide services for Construction of **2015 Road Rehabilitation Project, Project No. 014-9701**, ("Project") including, but not limited to: mobilization; traffic control and construction signage; potholing utilities; clearing and grubbing including tree protection and trimming; removal and disposal of asphalt concrete pavement and subgrade, concrete and asphalt curb, gutter, flatwork; pulverizing, mixing, excavating, grading and compacting pavement subgrade and base materials; cement treatment of pulverized material; construction of minor concrete structures, concrete and/or asphalt curb, gutter, driveways, asphalt concrete pavement, storm drain facilities, traffic stripes, markers, and markings; adjustment of utility covers; installation of survey monuments; and all other miscellaneous work as shown on the Plans and as described in the Specifications to provide a complete project.
- B. Contractor has represented to City that it has the expertise, experience and qualifications to perform the services described in Paragraph A, above, and those services which are more fully described below.

NOW, THEREFORE, in consideration of the foregoing and the covenants and agreements set forth below, City and Contractor agree as follow:

- 1. Contract Documents. The contract documents for the aforesaid project shall consist of the Notice to Contractors, Bid Proposal, General Provisions, Technical Provisions, Special Provisions including appendices, Design Drawings, and all referenced specifications, details, standard drawings, and their appendices; together with this Contract Agreement and all required bonds, insurance certificates, permits, notices and affidavits; and also including any and all addenda or supplemental agreements clarifying, amending, or extending the work contemplated as may be required to insure its completion in an acceptable manner. All of the provisions of said contract documents are made a part hereof as though fully set forth herein.
- 2. Services. For and in consideration of the payments and agreements to be made and performed by City, Contractor agrees to furnish all materials and perform all work required for the above-stated project, and to fulfill all other obligations as set forth in the aforesaid contract documents. Contractor agrees to receive and accept the prices set forth in the Proposal as full compensation for furnishing all materials, performing all work, and fulfilling all obligations hereunder. Said compensation shall cover all expenses, losses, damages, and consequences arising out of the nature of the work during its progress or prior to its acceptance including those for well and faithfully completing the work and the whole thereof in the manner and time specified in the aforesaid contract documents; also including those arising from actions of the elements, unforeseen difficulties or obstructions encountered in the prosecution of the work, suspension or discontinuance of the work, and all other unknowns or risks of any description connected with the work.

Contract Agreement

3. Employment by City. City hereby promises and agrees to employ, and does hereby employ, Contractor to provide the materials, do the work, and fulfill the obligations according to the terms and conditions herein contained and referred to, for the prices aforesaid, and hereby contracts to pay the same at the time, in the manner, and upon the conditions set forth in the contract documents.
4. Worker's Compensation. Contractor acknowledges the provisions of the State Labor Code requiring 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 certifies compliance with such provisions. Limits shall be not less than those specified in the insurance requirements contained in the General Provisions of the Standard Specifications, and as modified in these Special Provisions.
5. Insurance. With respect to performance of work under this contract, Contractor shall maintain and shall require all of its subcontractors to maintain insurance as required in the General Provisions of the Standard Specifications, and as modified in these Special Provisions.
6. Indemnity. Contractor shall comply with the indemnification requirements contained in the General Provisions of the Standard Specifications.
7. Assignment. This contract is not assignable nor the performance of either party's duties delegable without the prior written consent of the other party. Any attempted or purported assignment or delegation of any of the rights or obligations of either party without the prior written consent of the other shall be void and of no force and effect.
8. Non-discrimination. Contractor shall not discriminate in the hiring of employees or in the employment of subcontractors on any basis prohibited by law.
9. Independent Contractor. Contractor is and shall at all times remain as to City, a wholly independent contractor. Neither City nor any of its agents shall have control of the conduct of Contractor or any of the Contractor's employees, except as herein set forth. Contractor shall not at any time or in any manner represent that it or any of its agents or employees are in any manner agents or employees of City.
10. Contractor and Subcontractor Registration. Effective March 1, 2015, pursuant to Labor Code sections 1725.5 and 1771.1, all contractors and subcontractors that wish to bid on, be listed in a bid proposal, or enter into a contract to perform public works must be registered with the Department of Industrial Relations. No bid will be accepted nor any contract entered into without proof of the contractor's and subcontractors' current registration with the Department of Industrial Relations to perform public work. Contractor is directed to review, fill out and execute the Public Works Contractor Registration Certification contained in the Bid Proposal prior to contract execution.
11. Labor Compliance. This Project is subject to compliance monitoring and enforcement by the Department of Industrial Relations. It shall be the Contractor's sole responsibility to evaluate and pay the cost of complying with all labor compliance requirements under this Contract and applicable law.
12. Notices. All notices and communications shall be sent to the parties at the following addresses:

CITY: City Engineer
 City of Lafayette
 3675 Mount Diablo Boulevard, Suite 210
 Lafayette, California 94549

Contract Agreement

CONTRACTOR: _____

- 13. Authorized Signature. Contractor affirms that the signatures, titles, and seals set forth hereinafter in execution of this contract agreement represent all individuals, firm members, partners, joint ventures, and/or corporate officers having a principal interest herein.
- 14. Entire Agreement; Modification. This contract supersedes any and all other agreements either oral or written, between the parties and contains all of the covenants and agreements between the parties pertaining to the work of improvements described in Paragraph A of the Recitals herein above. Each party to this contract acknowledges that no representations, inducements, promises, or agreements, orally or otherwise, have been made by any party, or anyone acting on behalf of any party, which are not embodied herein, and that any other agreement, statements or promise not contained in this contract shall not be valid or binding. Any modification of this contract will be effective only if signed by the party to be charged.
- 15. Claims Procedure. In the event of a dispute between the parties regarding a) a time extension demand, b) payment arising for work performed by or on behalf of the contractor which is not otherwise expressly provided for, or c) an amount the payment of which is disputed by the City, the procedure in Section 10 of the City of Lafayette Standard Specifications shall be used.

IN WITNESS WHEREOF the parties hereto for themselves, their heirs, executors, administrators, successors, and assigns do hereby agree to the full performance of the covenants herein contained and have caused this Contract Agreement to be executed in duplicate by setting hereunto their names, titles, hands, and seals this ____ day of _____ 2015.

Contractor: _____
<Type Business Name Here>

Name: _____

Title: _____

Contractor's License No. _____

Agency Business License No. _____

Federal Tax Identification No. _____

Subscribed and sworn to this ____ day of _____ 2015.

Notary Public _____

Agency: _____
City Manager of the City of Lafayette

Attested: _____
City Clerk of the City of Lafayette

Date: _____

PAYMENT BOND

(TO BE EXECUTED WITHIN TEN [10] CALENDAR DAYS OF CONTRACT AWARD)

WHEREAS, the City of Lafayette (Owner) has awarded to _____, as Contractor, a contract for the work described as follows: Construction of **2015 Road Rehabilitation Project, Project No. 014-9701**, including, but not limited to: mobilization; traffic control and construction signage; potholing utilities; clearing and grubbing including tree protection and trimming; removal and disposal of asphalt concrete pavement and subgrade, concrete and asphalt curb, gutter, flatwork; pulverizing, mixing, excavating, grading and compacting pavement subgrade and base materials; cement treatment of pulverized material; construction of minor concrete structures, concrete and/or asphalt curb, gutter, driveways, asphalt concrete pavement, storm drain facilities, traffic stripes, markers, and markings; adjustment of utility covers; installation of survey monuments; and all other miscellaneous work as shown on the Plans and as described in the Specifications to provide a complete project.

AND WHEREAS, said Contractor is required to furnish a bond in connection with said contract, to secure the payment of claims of laborers, mechanics, materials persons, and other persons as provided by law;

NOW, THEREFORE, we, the undersigned Contractor and surety, are held firmly bound unto the Owner in the sum of _____ Dollars (\$ _____), for which payment well and truly to be made we bind ourselves, our heirs, executors and administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH:

That if said Contractor, its heirs, executors, administrators, successors, or assigns, or subcontractors, shall fail to pay any of the persons named in Civil Code Section 3282, or amounts due under the Unemployment Insurance Code with respect to work or labor performed by any such claimant, or any amounts required to be deducted, withheld, and paid over to the Employment Development Department from the wages of employees of the Contractor and its subcontractors pursuant to Section 13020 of the Unemployment Insurance Code, with respect to such work and labor, that the surety or sureties herein will pay for the same in any amount not exceeding the sum specified in this bond, otherwise the above obligation shall be void. In case suit is brought upon this bond, the said surety will pay a reasonable attorney's fee to the Owner in an amount to be fixed by the court.

This bond shall insure to the benefit of any of the persons named in Civil Code Section 3181 as to give a right of action to such persons or their assigns in any suit brought upon this bond.

IN WITNESS WHEREOF, we have hereunto set our hands and seals on this ____ day of _____, 2015.

| | |
|-------------------|-----------------|
| CONTRACTOR: _____ | SURETY _____ |
| Print Name: _____ | NAME _____ |
| Title: _____ | ADDRESS _____ |
| | TELEPHONE _____ |

PERFORMANCE BOND

(TO BE EXECUTED WITHIN TEN [10] CALENDAR DAYS OF CONTRACT AWARD)

KNOW ALL PERSONS BY THESE PRESENTS:

THAT WHEREAS, the City of Lafayette (Owner) has awarded to _____, as Contractor, a contract for the work described as follows: Construction of **2015 Road Rehabilitation Project, Project No. 014-9701**, including, but not limited to: mobilization; traffic control and construction signage; potholing utilities; clearing and grubbing including tree protection and trimming; removal and disposal of asphalt concrete pavement and subgrade, concrete and asphalt curb, gutter, flatwork; pulverizing, mixing, excavating, grading and compacting pavement subgrade and base materials; cement treatment of pulverized material; construction of minor concrete structures, concrete and/or asphalt curb, gutter, driveways, asphalt concrete pavement, storm drain facilities, traffic stripes, markers, and markings; adjustment of utility covers; installation of survey monuments; and all other miscellaneous work as shown on the Plans and as described in the Specifications to provide a complete project.

AS WHEREAS, the Contractor is required to furnish a bond in connection with said contract guaranteeing the faithful performance thereof;

NOW, THEREFORE, we, the undersigned Contractor and surety, are held firmly bound unto the Owner in the sum of _____ Dollars (\$ _____), to be paid to the Owner, its successors and assigns, for which payment well and truly to be made we bind ourselves, our heirs, executors and administrators, successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH:

That if said Contractor, its heirs, executors, administrators, successors, or assigns, shall in all things stand to and abide by and well and truly keep and perform the covenants, conditions, and agreements in the foregoing contract and any alteration thereof made as therein provided on its or their part to be kept and performed at the time and in the manner therein specified and in all respects according to their true intent and meaning, and shall indemnify and save harmless the Owner, its officers, and agents, as therein stipulated, then this obligation shall become and be null and void; otherwise it shall be and remain in full force and effect. In case suit is brought upon this bond, the said surety will pay a reasonable attorney's fee to the Owner in an amount to be fixed by the court. Surety, for value received, hereby stipulates and agrees that no amendment, change, extension of time, alteration, or addition to said contract, and of any feature or item or items of performance required therein or thereunder, shall in any manner affect its obligations on or under this bond; and said surety does hereby waive notice of any such amendment, change, extension of time, alteration, or addition to said contract, and of any feature or item or items of performance required therein or thereunder, shall in any manner affect its obligations on or under this bond; and said surety does hereby waive notice of any such amendment, change extension of time, alteration, or addition to said contract, and of any feature or item or items of performance required therein or thereunder.

IN WITNESS WHEREOF, we have hereunto set our hands and seals on this ____ day of _____, 2015.

| | |
|-------------------|-----------------|
| CONTRACTOR: _____ | SURETY _____ |
| Print Name: _____ | NAME _____ |
| Title: _____ | ADDRESS _____ |
| | TELEPHONE _____ |

SPECIAL PROVISIONS SECTION SP-1

GENERAL
(NO BID ITEM)

SP1-01 REFERENCES

The work to be done under this contract, except as modified or supplemented herein, shall conform to the following:

- The City of Lafayette General Provisions of the Standard Specifications dated March 2013, herein referred to as the "General Provisions of the Standard Specifications".
- The City of Lafayette Technical Provisions of the Standard Specifications dated March 2013, herein referred to as the "Technical Provisions of the Standard Specifications".

Where specifically referred to, the work shall also conform to the following:

- The State of California Department of Transportation (Caltrans) Standard Specifications, For Construction of Local Streets and Roads, 2010 Edition, herein referred to as the "State Specifications" or "State Standard Specifications".
- The State of California Department of Transportation (Caltrans) Standard Plans, 2010 Edition, herein referred to as the "State Standard Plans".
- The Contra Costa County Public Works Department Standard Plans, most current edition, herein referred to as the "County Standard Plans".

These Special Provisions are additions, modifications, or clarifications to the referenced Standard Specifications and generally supersede the referenced or applicable sections of said Standard Specifications. Refer to Section 5-4, "Precedence of Contract Documents", of the General Provisions of the Standard Specifications for the order of precedence of Contract Documents. Where ambiguity or conflict exist in the interpretation of precedence, the provision resulting in the highest quality or most expensive grade of construction or product shall govern.

SPECIAL PROVISIONS SECTION SP-2, 3 (NOT USED)

SPECIAL PROVISIONS SECTION SP-4

PLANS AND SPECIFICATIONS (GENERAL)
(NO BID ITEM)

The provisions of Section 4, "Plans and Specifications (General)," of the General Provisions of the Standard Specifications shall apply in their entirety and as supplemented herein.

SP4-01 SCOPE OF WORK

The work to be performed under this contract including, but not limited to: mobilization; traffic control and construction signage; potholing utilities; clearing and grubbing including tree protection and trimming; removal and disposal of asphalt concrete pavement and subgrade, concrete and asphalt curb, gutter, flatwork; pulverizing, mixing, excavating, grading and compacting pavement subgrade and base materials; cement treatment of pulverized material; construction of minor concrete structures, concrete and/or asphalt curb, gutter, driveways, asphalt concrete pavement, storm drain facilities, traffic stripes, markers, and markings; adjustment of utility covers; installation of survey monuments; and all other miscellaneous work as shown on the Plans and as described in the Specifications to provide a complete project.

SP4-02 PAYMENT

No separate payment will be made for preparing and submitting "As-Built Drawings." Full compensation for preparing and submitting "As-Built Drawings" shall be considered as included in the prices paid for various contract items of work, and no additional compensation shall be allowed therefor.

SPECIAL PROVISIONS SECTION SP-5

CONTROL OF WORK AND MATERIALS
(NO BID ITEM)

The provisions of Section 5, "Control of Work and Materials," of the General Provisions of the Standard Specifications shall apply in their entirety and as supplemented herein.

SP5-01 CONSTRUCTION SURVEY STAKING

The Engineer will provide paint markings for pavement conforms, driveway paving conform limits, removal and replacement of pavement, curb, gutter, and driveways of all kinds.

The City shall provide all construction survey staking for alignment and grades of roadway, curb, gutter, and other items which, in the opinion of the Engineer, require survey staking. The Contractor shall submit staking requests in writing at least five (5) working days in advance of beginning work that requires construction survey staking. The Contractor shall be responsible for paying the cost of resetting survey stakes which are damaged or obliterated by the Contractor's operations.

Survey stakes for roadway alignment and grade will be set on one side of the roadway only. These stakes will provide offset distances, and cuts or fills to the new crown or control line grade breaks, and where applicable, new curb and/or left and right edges of pavement.

The Contractor will be responsible for providing traffic control for the City's survey crew as necessary for any required offset stakes which will need to be set in the roadway, including providing a lane closure and/or flaggers when required. The Engineer will notify the Contractor a minimum of 48 hours prior to the required survey staking in order to coordinate traffic control.

SP5-02 MATERIAL SAMPLING AND TESTING

Compaction tests and/or material sampling and testing may be performed by the City's representatives on roadway subgrade, pulverized material, aggregate base, portland cement concrete, asphalt concrete, and other work and materials, which in the opinion of the Engineer, require sampling or testing. Test locations shall be determined by the Engineer. The Contractor shall coordinate and cooperate with the Engineer and testing personnel, and no claims of delays or inconvenience due to testing and/or sampling shall be allowed.

SP5-03 SUBMITTALS

At minimum, the Contractor shall provide submittals to the Engineer for the following materials. Additional submittals may be found in the various Special Provisions for the Work.

- Aggregate Base Class 2 (Material Source)
- Asphalt Concrete Mix Designs of All Types
- Portland Cement Concrete Mix Designs of All Types
- Cement Treatment of Subgrade
- Reinforcing Steel
- Storm Drain Inlet and Manhole Frames, Grates and Covers
- HDPE and RCP Pipes
- Pavement Markers
- Thermoplastic Striping Material
- Sign and Post Materials
- Survey Monument Frames and Covers
- Water Pollution Control Plan

- Waste Management Plan
- Traffic Control Plan and Certification of Qualified Personnel
- CAL/OSHA Excavation Permit

SP5-04 ORDER OF WORK

Unless otherwise directed by the Engineer, the following major items of work shall be performed in the following general order. Not every item of Contract Work is shown. Contractor shall accordingly coordinate miscellaneous and coincidental work related to or associated with major work items in order to avoid out-of-sequence construction and conflicts. Not all stages of work apply to every location within the Project.

- 1) Notify Underground Service Alert (USA) to have utilities marked.
- 2) Install construction area signs and project identification signs one week in advance of the start of work on a specific street or work area.
- 3) Install water pollution control measures.
- 4) Install tree protection.
- 5) Submit waste management plan prior to commencing any demolition work.
- 6) Perform utility potholing work to confirm depths of existing utility lines. No additional excavation work will be permitted until Contractor's Utility Pothole Log (Appendix to Standard Specifications) is submitted to the Engineer.
- 7) Clearing, grubbing, tree trimming and tree removal.
- 8) Sawcut driveway conforms.
- 9) Remove, repair, modify, and/or construct storm drain facilities.
- 10) Remove, replace, and/or construct concrete curb, gutter, sidewalk, driveways, and other flatwork.
- 11) Reference and/or adjust survey monuments, all utility frames and covers to below grading plane.
- 12) Complete full-depth recycling, including cement treatment; finish grade and compact subgrade to design grades; and place asphalt concrete base course.
- 13) Sawcut and remove pavement at transverse conform joints at limits of paving.
- 14) Place asphalt concrete finish course. Place temporary roadway delineation.
- 15) Place asphalt concrete berms.
- 16) Pave driveway conforms and road shoulders
- 17) Raise/adjust all existing monument and utility frames and covers to final grade. Install new monuments.
- 18) Place permanent striping, markers and legends.
- 19) Complete all other construction work and punch list items.
- 20) Remove tree protection, construction area signs and project identification signs.

- 21) Submit completed waste assessment summary report form.
- 22) Submit as-built plans.

The Contractor's attention is directed to Section SP-8-02, "Progress Schedule", of these Special Provisions.

Any deviation from these requirements and provisions shall be sufficient cause for the Engineer to suspend the work in accordance with the provisions of Section 8-3, "Temporary Suspension of the Work", of the General Provisions. The contractor will not be permitted to resume the work until Contractor has remedied said deviation in accordance with the provisions of the Contract.

SP5-05 PAYMENT

No separate payment will be made for conforming to the provisions of this section. Full compensation for conforming to all the provisions of this section shall be considered as included in the prices paid for various contract items of work and no additional compensation will be allowed therefor.

SPECIAL PROVISIONS SECTION SP-6

LEGAL RELATIONS AND RESPONSIBILITIES

(NO BID ITEM)

The provisions of Section 6, "Legal Relations and Responsibilities," of the General Provisions of the Standard Specifications shall apply in their entirety and as supplemented herein, and in other related sections of these Special Provisions.

SP6-01 PUBLIC NOTIFICATIONS

Notification requirements in Section 6-10, 6-12.3, and 6-13 of the Standard Specifications General Provisions shall apply. Notices for driveway and road closures must be issued each time driveway or roadway access is restricted and must indicate the specific date and time of the anticipated restricted access.

SP6-02 PAYMENT

No separate payment will be made for conforming to the provisions of this section. Full compensation for conforming to all the provisions of this section shall be considered as included in the prices paid for various contract items of work and no additional compensation will be allowed therefor.

SPECIAL PROVISIONS SECTION SP-7

UTILITY PROTECTION
(NO BID ITEM)

The provisions of Section 7, "Existing Utilities," of the General Provisions of the Standard Specifications shall apply in their entirety and as supplemented herein.

SP7-01 GAS TRANSMISSION MAIN

Gas transmission lines run along Foye Drive and Las Huertas Road. Although the road reconstruction activities do not appear to impact the PG&E gas facilities the section crossing Las Huertas Road at STA 104+25 has been designated on the plans as a Special Construction Zone and the following additional conditions shall apply within this zone:

1. A PG&E gas transmission standby inspector must be present during any activities within 10 feet of the gas pipeline. This includes all pulverizing, grading, cement treating, paving and gas line depth verifications (potholes). This inspection can be coordinated through the Underground Service Alert (USA) service at 811. A minimum notice of 48hours is required.
2. To prevent damage to the buried gas pipeline, the following allowable wheel loading limits must be adhered to:

| Allowable Wheel Loading | |
|--------------------------------|-------------------------------------|
| Cover | Pounds per Wheel (Half Axle) |
| 2 ft | 15,000 |
| 3 ft | 30,000 |
| 4 ft | 50,000 |

3. The horizontal and vertical location of the gas transmission pipeline must be positively confirmed by potholing every 5 feet along the length of the gas transmission line within the paved surface of the road.
4. The roadway section in the special construction zone as indicated on the project plans shall consist of 8-inches of asphalt with the final lift placed as part of the final lift for the entire street.
5. Subgrade shall be compacted using a jumping-jack-style compactor not exceeding 200 pounds and the asphalt concrete base lifts shall be compacted with a small roller not exceeding 6200 pounds, unless otherwise authorized in writing in advance by the Engineer or the PG&E representative.

SP7-02 PAYMENT

No separate payment will be made for conforming to the provisions of this section. Full compensation for conforming to all the provisions of this section shall be considered as included in

the prices paid for various contract items of work and no additional compensation will be allowed therefor.

Excavation associated with the Special Construction Zones indication on the project plans shall be measured and paid as "Roadway Excavation" per SP-20. Paving of the 6-inch base pavement course associated with the Special Construction Zones indicated on the project plans shall be measured and paid as "Asphalt Concrete Pavement" per SP-22.

SPECIAL PROVISIONS SECTION SP-8

PROGRESS OF WORK

(NO BID ITEM)

The provisions of Section 8, "Progress of Work," of the General Provisions of the Standard Specifications shall apply in their entirety and as supplemented herein.

SP8-01 PRE-CONSTRUCTION MEETING

A pre-construction meeting for this project will be held on Monday, June 1, 2015 at 2:00 p.m. at the City Offices. The Contractor shall submit all required bonds, insurance, and signed contracts prior to this meeting. The Notice to Proceed will be issued to the Contractor at the pre-construction meeting. Note: The prime contractor's full-time on-site superintendent or foreman for the project, along with any subcontractor that will be adjusting utility facilities (lowering and raising iron) are required to attend the preconstruction meeting.

At the pre-construction meeting, representatives of the Owner, the Contractor, Subcontractors, and the Engineer will discuss in detail certain procedural aspects of the Work, including, but not limited to:

- Administrative procedures for transmittals, approvals, change orders, and similar items;
- Review of the method of application for payment, progress payments, retention; and final payment;
- Review of the Contractor's construction progress schedule;
- Clarifications of any questions regarding the contract Plans and Special Provisions;
- Review of traffic control procedures;
- At the preconstruction meeting the Contractor shall provide a Cal/OSHA trenching permit;

SP8-02 PROGRESS SCHEDULE

The Contractor shall submit the construction progress schedule to the Engineer at the pre-construction meeting. Contractor shall also submit an updated schedule by no later than Friday morning of each work week, and as requested by the Engineer per Section 8-2, "Progress Schedule," of the General Provisions of the Standard Specifications.

Attention is directed to Section SP5-04, "Order of Work," of these Special Provisions. Each schedule shall specifically note the timeframe and work to be performed by all subcontractors. Subcontractors shall receive all updated schedules so they can plan an appropriate work force to meet the prime Contractor's timeframe.

Contractor's schedule shall allow for the coordination and accommodation of work by utility agencies, including the relocation of water, sewer, and gas mains and service connections to provide clearance for Contract Work. From time to time, the schedule shall be adjusted to reflect progress of said utility work, and Contractor may be required to adjust Contract Work sequences to avoid scheduling conflicts and complete work at project locations that have been cleared for construction. Contractor's attention is directed to Section 7-2 of the General Provisions of the Standard Specifications for provisions regarding such utility coordination and accommodation.

Currently the following schedule of utility work is known. Work durations shown represent "best-case" scenario and are subject to adjustments:

Underway until June 12, 2015

Contra Costa Central Sanitary District sewer main lining and replacement and service lateral reconnection work on Las Huertas Road.

Underway until July 1, 2015

Contra Costa Central Sanitary District sewer main replacement and service lateral reconnection work on Third Street.

July 1, 2015 until September 1, 2015

EBMUD main replacement and service connection replacement on Las Huertas Road.

SP8-03 WORKING HOURS

Without prior written approval by the Engineer, and except for emergency work, work or activity of any kind shall be limited to the hours from 8:00 a.m. to 5:00 p.m. Monday through Friday. Contractor's attention is directed to hours for lane/road closures in Section SP-14 of these Special Provisions.

SP8-04 TIME OF COMPLETION AND LIQUIDATED DAMAGES

The Contractor shall complete the entire Work in this Contract within **eighty five (85)** working days from the start date, including completion of all "Punch List" work. Liquidated damages shall be assessed per Section 8-10, "Liquidated Damages," the General Provisions of the Standard Specifications.

The count of working days for this project will start no later than Monday, June 15, 2015.

SP8-05 PAYMENT

No separate payment will be made for conforming to the provisions of this section. Full compensation for conforming to all the provisions of this section shall be considered as included in the prices paid for various contract items of work and no additional compensation will be allowed therefor.

SPECIAL PROVISIONS SECTION SP-9, 10, 11 (NOT USED)

SPECIAL PROVISIONS SECTION SP-12

MOBILIZATION

(BID ITEM NO. 1 AND 2)

The provisions of Section 1, "Mobilization," of the Technical Provisions of the Standard Specifications shall apply in their entirety except as modified or supplemented herein.

SP12-01 MEASUREMENT AND PAYMENT

The lump sum Contract Price paid for "**Mobilization**" shall include full compensation for furnishing all labor, supervision, materials, tools, equipment and incidentals, and for all the work involved in mobilization of forces, equipment, materials, and meeting all general conditions and provisions of Contract Documents and as directed by the Engineer, and no additional compensation will be allowed therefor.

The Contract Price paid for each "**Project Identification Sign**" shall include full compensation for furnishing all labor, supervision, materials, tools, equipment and incidentals, and for doing all the work involved in coordinating with the City to obtain the sign, transporting, installing signs on barricades, maintaining signs, removing signs and barricades, and returning signs to the City as specified in the Standard Specifications and these Special Provisions and as directed by the Engineer and no additional compensation will be allowed therefor.

SPECIAL PROVISIONS SECTION SP-13

CONSTRUCTION AREA SIGNS

(BID ITEM NO. 3)

SP13-01 GENERAL

The Engineer shall approve all locations prior to the Contractor installing signs. Signs shall be in place on the project site at least two (2) days prior to the start of work on each street, but not more than seven (7) days prior to the start of work on each street. Signs shall be removed within five (5) days of completing all work on each street. The Contractor shall notify the regional notification center for operators of subsurface installations (USA-Underground Service Alert: 1-800-227-2600), at least four (4) working days, but not more than fourteen (14) calendar days, prior to commencing any excavation for construction area sign posts.

The bottom of the mounted sign panel shall be seven (7) feet above existing grade.

SP13-02 MEASUREMENTS AND PAYMENT

Construction area signs shall be counted and paid based on the number of sign panels installed regardless of the number of sign posts installed.

The Contract Price paid per each for "Construction Area Sign" shall be considered as full compensation for furnishing all labor, supervision, materials, tools, equipment and incidentals, and for doing all work involved in furnishing, erecting, maintaining, and removing all construction area signs, as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer, and no additional compensation will be allowed therefor.

SPECIAL PROVISIONS SECTION SP-14

TRAFFIC CONTROL

(BID ITEM NO. 4)

TEMPORARY PAVEMENT DELINEATION

(BID ITEM NO. 64)

SP14-01 GENERAL

Work shall conform to the requirements of Section 6-12, "Traffic Control," and Section 15-4, "Removal of Existing and Temporary Traffic Stripes and Pavement Markings," of the General Provisions of the Standard Specifications. Nothing in these Special Provisions shall be construed as relieving the Contractor from his/her responsibilities as specified in said sections. Any traffic striping or markings that are removed due to any phase of work shall be replaced, or re-aligned if required, with temporary traffic stripes or pavement markings. All temporary striping and markings shall be

placed the same day the permanent striping or markings are removed and they shall be placed before opening the roadway to public traffic.

SP14-02 ROAD CLOSURE AND HOURS

Contractor's attention is directed to noticing requirements in Section SP6-01.

Road closures shall only be permitted during the pavement pulverization, grading, cement treating, and finish-course paving phases of work. Road closure hours for those phases of work shall be allowed between 8:30 a.m. and 4:30 p.m.

Contractor shall stage and sequence work such that road closures and disruptions to mobility of the public are minimized. Even under road closure conditions, Contractor shall make best efforts to allow passage of vehicles through the work zone when doing so does not interfere with active, critical work. This includes but is not limited to accommodating residents with medical, health, or safety-related needs (doctor appointments, emergency access, and access requirements due to physical disabilities). If work requiring closure is not actively in progress during allowed closure hours, the Engineer may order the road opened to public traffic. The Contractor shall coordinate road closures with garbage and recycling collection to ensure continuation of service during the construction period.

The full width of the traveled way shall be open for use by public traffic at all other times. Notwithstanding anything to the contrary, emergency vehicles shall be provided immediate access through the construction area at all times.

SP14-03 MEASUREMENT AND PAYMENT

The contract lump sum price paid for "Traffic Control" shall be considered as full compensation for furnishing all labor, supervision, materials, tools, equipment and incidentals needed to perform all traffic control work, for all phases of the work performed by the Contractor or the Contractor's "subcontractors" including, but not limited to, all signs, barricades, steel plates, traffic control plan, maintaining traffic, lane and road closures, flagmen and all other traffic control devices; and all other work as shown on Standard Plans, as specified in the Standard Specifications, the State Specifications, these Special Provisions, and as directed by the Engineer and no additional compensation shall be allowed therefor. There shall be no additional compensation for traffic control due to an increase in the quantities shown on the bid proposal for pay items within the project limits.

Traffic Control required by work which is classified as extra work, as provided in Section 9.3, "Extra Work", of the General Provisions of the Standard Specifications, will be paid for as part of said extra work.

The contract lump sum price paid for "Temporary Pavement Delineation" shall include full

compensation for furnishing all labor, supervision, materials, tools, equipment and incidentals and for doing all the work necessary to lay out, place, maintain, and remove temporary pavement striping, legends, arrows, glue down delineators, markers and markings, and all other work as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer, and no additional compensation shall be allowed therefor.

SPECIAL PROVISIONS SECTION SP-15

DUST CONTROL (NO BID ITEM)

The provisions of Section 4, "Dust Control and Watering", of the Technical Provisions of the Standard Specifications shall apply in their entirety and as supplemented herein.

SP15-01 GENERAL

On streets receiving pulverization and cement treatment, Contractor shall keep the pulverized or cement-treated street moist to control dust, using a water truck or other similar equipment. The street surface shall be moistened a minimum of four times each day (including weekends), and more often as needed to control the dust. If the road becomes too wet, and vehicles track material onto adjacent surfaces, or the wet condition poses a hazard to drivers, the Contractor shall modify his dust control method accordingly to remedy the situation.

SP15-02 PAYMENT

No separate payment shall be made for conforming to the provisions of this section. Full compensation for conforming to all the provisions of this section shall be considered as included in the prices paid for various contract items of work and no additional compensation shall be allowed therefor.

SPECIAL PROVISIONS SECTION SP-16

CLEARING AND GRUBBING, TREE TRIMMING, REMOVAL **AND PROTECTION** (BID ITEM NO. 5, 6)

The provisions of Section 2, "Clearing and Grubbing," Section 21, "Tree Trimming and Removal," and Section 22-3, "Tree and Plant Protection," of the Technical Provisions of the Standard Specifications shall apply in their entirety except as modified or supplemented herein.

SP16-01 GENERAL

In addition to requirements of the Standard Specifications, clearing and grubbing work shall also include removing and/or relocating landscape borders, decorative rocks, and similar decorative features that conflict with planned construction. Where they occur, Contractor shall salvage these features by placing removed items in a neat stack at an adjacent location on the property frontage to be designated by the Engineer.

All cleared and grubbed areas shall be approved by the Engineer before further grading commences.

SP16-02 MEASUREMENT AND PAYMENT

The contract lump sum price paid for “Clearing & Grubbing, Tree Trimming, and Tree Protection” and per each for “Tree Removal” shall include full compensation for furnishing all labor, supervision, materials, tools, equipment and incidentals, and for doing all the work involved in implementing tree protection measures, clearing and grubbing, tree trimming and removal, and all other work as shown on the Plans, as specified in the Standard Specifications, these Special Provisions, and as directed by the Engineer, and no additional compensation shall be allowed therefor

SPECIAL PROVISIONS SECTION SP-17

EXISTING HIGHWAY FACILITIES
(BID ITEM NO. 7 THROUGH 27)

SP17-01 GENERAL

Work shall consist of removing, abandoning, relocating, or protecting existing facilities which interfere with construction. Work performed in connection with various existing highway facilities shall conform to applicable provisions of Section 7, “Existing Utilities,” of the General Provisions, Section 2, “Clearing and Grubbing,” and Section 22, “Protection and Restoration of Existing Improvements,” of the Technical Provisions of the Standard Specifications, these Special Provisions, and as directed by the Engineer.

The Contractor shall fully document pre-construction conditions at all points around the work area. This documentation shall consist of notes, still photographs, and video. Special effort shall be made to document the existing conditions at all buildings and private improvements not to be disturbed. These documents shall be available to the City upon request.

If Contractor damages or destroys materials or facilities designated on the Plans, in these Special Provisions, or by the Engineer to be protected, salvaged or reused, he shall repair or replace them in kind at his sole expense.

SP17-02 REMOVALS

Contractor's attention is directed to Section 6-11, "General Safety," of the Standard Specifications General Provisions, and Section SP-27, "Temporary Pavement Delineation," of these Special Provisions.

Removals of existing road facilities not considered to be included in other Contract Work include—concrete, paver, or asphalt concrete driveway, pathway, sidewalk, shoulder, and other flatwork; concrete curb and gutter; over-pour at lip of concrete gutter; gutter obstructions; concrete valley gutter; storm drain pipes, structures, ditches, and channels; fencing; and mailbox pillars. All other removals as shown on the drawings and as directed by the Engineer to accommodate new construction as intended by Contract, for which no specific Bid Item is shown, shall be considered as incidental work.

Where existing curb and gutter is to be removed and replaced, and the adjacent pavement is intended to remain, removal work shall include the removal of said curb and gutter and a sufficient area of the adjacent pavement to a proper depth to allow the forming and construction of the replacement new curb and gutter.

For removals that involve sawcutting, all sawcut lines shall be approved by the Engineer prior to sawcutting. Sawcutting of gutter lips shall be to a neat, straight line in alignment with the projected gutter lip line of adjacent sections. Removal of obstructions in gutters shall be done with care so as to avoid damaging the underlying gutter to remain.

Removals of area in preparation for new construction shall extend to a depth that is sufficient to accommodate the new improvements to be constructed, including any necessary subgrade. Otherwise, removal shall extend to a depth at least six inches below the surface of the final condition required by Contract.

Storm drain facilities adjoining those designated to be removed shall be protected. Except where Contract Work requires a replacement facility, or otherwise directed by the Engineer, openings leading to/from the facility to be removed shall be plugged per Section 2-5 of the Technical Provisions of the Standard Specifications.

Relocation and repair of sanitary sewer laterals shall conform to Section 22-8 of the Technical Provisions of the Standard Specifications.

Where existing facilities such as pavers, flagstones, fencing, and miscellaneous property frontage improvements are required to be removed temporarily to provide clearance for construction, upon completion of said construction they shall be reset to their original location and alignment, in a condition equal to or better than that pre-existing.

The Engineer may direct Contractor to salvage components of private improvements designated to be removed. In such cases, Contractor shall take care to remove the components in a manner to reasonably minimize damage and stockpile them neatly in a location designated by the Engineer.

SP17-03 MONUMENTS AND PROPERTY CORNERS

All monuments and property corners are to be preserved unless designated on the plans to be replaced. The Contractor shall bear the expense of replacing and recording with the County any monument or benchmark that is disturbed and was not designated to be replaced. Replacement shall be done only under the direction of and in the presence of the Engineer or a licensed surveyor.

SP17-04 REMOVE AND RELOCATE MAILBOX

Existing mailboxes shall be removed and reset on a new post, or existing post if the owner of the mailbox prefers to salvage and re-use a painted or decorative post. Mailbox removal locations shall be as shown on the Plans or any location that an existing mailbox interferes with contract work. The exact relocation shall be designated by the Engineer or mail carrier. Mailboxes shall be removed and reset during the same work day. The new installation shall be in accordance with Contra Costa County Detail CA90i, "Mailbox Details," or matching the existing condition (post, footing, mailbox, size, color), whichever is of a higher quality or more expensive construction in current dollars. To coordinate with other construction, Contractor may set a mailbox in a temporary condition acceptable to the Engineer and the mail carrier.

Architectural pillars containing mailboxes shall be removed while salvaging the mailbox to be relocated to a standard post as described above. The pillar foundation shall be removed to a point six inches below the grading plane of any new construction shown to occur at that location.

All excavation resulting from removals shall be backfilled with Class II aggregate base and compacted to 90% relative compaction.

SP17-05 LOWERING AND RAISING MANHOLE COVERS AND RODDING INLETS

Work involves storm drain, sanitary sewer, gas and similar utility manhole covers and sanitary sewer rodding inlets. Work consists of initially lowering these facilities to accommodate construction and subsequently raising them to finished grade in conformance with Section 22-9 of the Technical Provisions of the Standard Specifications.

Before excavating the existing roadway, manhole structures and rodding inlets located within repaving limits shall be lowered to a point below the final roadway planing, pulverizing, or excavation depth. If a manhole or rodding inlet condition does not allow said lowering, then the facility shall be lowered as much as practically possible using all reasonable means. Contractor shall then coordinate his construction equipment, means, and methods to avoid damage to the facility during construction.

Adjustments below the planing, pulverizing, or excavation depth shall include but not be limited to placement of temporary false bottoms in manholes, removal of existing concrete collars, cutting riser pipes, salvaging the existing frames and covers, removal of riser rings, placing and securing in place

an acceptable temporary steel cover below the required depth, and placement of temporary asphalt concrete over and around the temporary cover to allow safe passage of vehicular traffic prior to and following roadway excavation. Each false bottom shall be constructed of two pieces of standard-grade plywood, or similar material, that is hinged together so that they can be folded in half to fit through the manhole opening. The false bottom shall be set securely near the bottom of the manhole structure above the sewer flowline, in a manner so as to ensure that flow in the manhole is not impeded by debris entering the manhole inadvertently. Any debris that does enter the manhole or inlet shall be immediately removed. For rodding inlets, the adjustment shall include placing a temporary plug in the riser pipe and covering the pipe with a temporary steel lid. The plug shall be a mechanical type plug. Inflatable plugs shall not be allowed.

Manholes and rodding inlets located within new paving limits shall be raised to finished grades per Section 22-9.2 of the Standard Specifications Special Provisions, following the placement of the final lift of asphalt concrete. For all rodding inlets, the maximum distance between the finished pavement grade and the top of the riser pipe shall be six (6) inches. If the distance to the top of the riser pipe is greater than six (6) inches, the riser shall be extended with a new section of pipe connected with a fitting that produces a smooth interior with no offset or obstruction. The adjusted sanitary sewer manholes and rodding inlets shall conform to all utility company standards and requirements.

Frames and covers for sanitary sewer manholes may be re-used if they are in good condition and if the manhole covers have a nominal diameter dimension of twenty-five inches (25"). Existing frames and covers that exceed this dimension shall be replaced. In this case, the Central Contra Costa Sanitary District shall provide new frames and covers to be installed by Contractor. At its discretion CCCSD may also elect to provide new sewer rodding inlet frames and covers to be installed by Contractor. Contractor shall coordinate the delivery and integration of materials to be furnished by CCCSD with the District representative.

CCCSD at its sole discretion may elect to adjust its own facilities. In that case, the quantities shown on the Bid Schedule shall be adjusted accordingly, and Contractor shall comply with Section 22-9.3 of the Standard Specifications Special Provisions.

SP17-06 LOWERING AND RAISING EXISTING UTILITY VALVE FRAMES AND COVERS

Work consists of initially lowering utility valve frames and covers to accommodate construction and subsequently raising them to finished grade in conformance with Section 22-9 of the Technical Provisions of the Standard Specifications.

Before excavating the existing roadway, utility valve frames and covers shall be lowered to a point below the final roadway planing, pulverizing, or excavation depth. These facilities shall be subsequently adjusted to finished grade in conformance with Section 22-9.2 of the Standard Specifications Special Provisions.

Water valves shall be adjusted to grade using a new "G5" box as shown in the detail in Appendix A. The G5 boxes will be provided by the East Bay Municipal Utility District (EBMUD) free of charge. Contractor shall coordinate the delivery or pick-up and integration of materials to be furnished by EBMUD with District representatives. All other frames and covers, shall be adjusted reusing the existing riser and cover with a concrete collar and that is topped with asphalt concrete.

Contractor shall phase his work so that all water valves are lowered for a maximum of 20 calendar days prior to being raised to finished grades. In the event that Contractor fails to adjust the valves to grade and make them fully accessible within twenty (20) calendar days from the initial lowering, Contractor expressly agrees to defend, indemnify, and hold harmless City of Lafayette, EBMUD and their Directors, officers, agents, and employees from and against any and all loss, liability, expense, claims, suits, and damages, including attorneys' fees, arising out of or resulting from the inability to operate said valves.

EBMUD at its sole discretion may elect to adjust its own facilities. In that case, the quantities shown on the Bid Schedule shall be adjusted accordingly, and Contractor shall comply with Section 22-9.3 of the Standard Specifications Special Provisions.

SP17-07 UTILITY BOX ADJUSTMENTS

Where utility boxes are encountered within the limits of the planned work, Contractor shall adjust utility boxes to the new finished grade. Said adjustment shall include relocation of boxes to a new location as necessary to accommodate new construction. Relocation shall require Contractor to modify and extend the associated existing plumbing to the new location.

For water meters, Contractor shall coordinate with EBMUD to obtain new utility boxes and integrate them into the Work. All boxes shall be placed securely in place on a compacted base in native material, asphalt concrete, or concrete as applicable, in a manner that would not result in settling over time. The boxes shall be set so that they are accessible by utility personnel.

EBMUD at its sole discretion may elect to adjust its own facilities. In that case, the quantities shown on the Bid Schedule shall be adjusted accordingly, and Contractor shall comply with Section 22-9.3 of the Standard Specifications Special Provisions.

SP17-08 GRIND CONCRETE SIDEWALK

The Project Plans show location(s) of sidewalks where grinding is necessary to eliminate a vertical deviation between adjacent sidewalk panels.

The equipment to be used for grinding shall be a "walk-behind" type dry-cutting scarifier machine, fitted with carbide spike cutters on a drum, capable of tapering the protruding concrete by a pulverizing scarification process that reduces the concrete to a fine powder. Contractor shall grind the entire length of the protruding edge, and the minimum width of grinding shall be six inches of

sidewalk per half inch of vertical protrusion. As much as possible, the ground surface area shall be rectangular with straight edges. The final surface shall be smooth, with a non-slip texture without any rough edges, spalling, pitted, or gouged appearance. Adjacent surfaces shall be protected from damage. Powder dust shall be swept clean from the work area. If the grinding process produces excessive airborne dust in the opinion of the Engineer, Contractor shall use means such as vacuuming to control dust.

SP17-09 MEASUREMENT AND PAYMENT

No separate payment shall be made for conforming to the provisions of this section, with the exception of the items specified below. Full compensation for conforming to all the provisions of this section, including minor removal work and the resetting of temporary removals, for which no specific payment is allowed in Contract, shall be considered to be incidental work included in prices paid for various other contract items of work, and no additional compensation will be allowed therefor.

The contract unit prices paid per each for **“Lower Existing Manhole or Rodding Inlet Frame,”** and **“Lower Existing Utility Valve Frame and Cover”** shall include full compensation for furnishing all labor, supervision, materials, tools, equipment and incidentals necessary to lower the frames and covers; including, but not limited to- locating, referencing, and setting marks; lowering the facility; placement of “false bottoms”; cleaning out the structure or riser; placement of temporary cover; placement of temporary asphalt concrete; maintain temporary asphalt concrete; and all other work as specified in these Special Provisions, and as directed by the Engineer, and no additional compensation will be allowed therefor. Contract quantities may be reduced or eliminated based on work to be performed by others. No adjustment in the bid item price shall be allowed due to any change in contract quantities.

The contract unit prices paid per each for **“Adjust Existing Utility Valve Frame and Cover to Grade”** shall include full compensation for furnishing all labor, supervision, materials, tools, equipment and incidentals necessary to adjust water valve covers, including but not limited to- locating, referencing, and setting marks; all coordination work; lowering the facility; raising the facility to finished grade; placement of temporary and permanent asphalt concrete; and all other work as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer, and no additional compensation will be allowed therefore. Contract quantities may be reduced or eliminated based on work to be performed by others. No adjustment in the bid item price shall be allowed due to any change in contract quantities.

The contract unit prices paid per each for **“Adjust Existing Manhole or Rodding Inlet Frame and Cover to Grade”** shall include full compensation for furnishing all labor, supervision, materials, tools, equipment and incidentals necessary to raise the frames and covers, including but not limited to- locating, referencing, and setting marks; all coordination work; raising the facility to finished grade; placement of concrete collars and temporary and permanent asphalt concrete; and all other work as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer, and no additional compensation will be allowed therefor. Contract quantities may be reduced or eliminated

based on work to be performed by others. No adjustment in the bid item price shall be allowed due to any change in contract quantities.

The contract unit prices paid per each for **“Adjust Utility Box to Grade”** and **“Relocate Water Meter and Box”** shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals, and for doing all the work involved in relocating and adjusting the facilities to grade complete in place, including all required excavation, backfilling, compaction, concrete collars, placing of temporary asphalt concrete, and permanent restoration to match surrounding materials, plumbing modifications, and all other work as shown on the plans and/or applicable standard plans, and as specified in the Standard Specifications and these Special Provisions, and as directed by the Engineer, and no additional compensation will be allowed therefor. Contract quantities may be reduced or eliminated based on work to be performed by others. No adjustment in the bid item price shall be allowed due to any change in contract quantities.

The Contract Price paid per each for **“Relocate Mailbox on New Post,” “Remove Brick Pillar Containing Mailbox/Reinstall Mailbox on New Post,”** and **“Remove Existing Sign and Post,”** and per linear foot for **“Remove Fence”** shall include full compensation for furnishing all labor, supervision, materials, tools, equipment and incidentals necessary to perform the demolition, removal, disposal or salvaging as directed, remove and reset mailboxes, including, but not limited to- all excavation and backfill, temporary installations, new mailbox posts and concrete footings, and all other work as specified in these Special Provisions, and as directed by the Engineer, and no additional compensation shall be allowed therefor.

The Contract Prices paid per square foot for **“Remove Concrete Driveway, Sidewalk or Shoulder,” “Remove Paver Driveway or Pathway,” “Remove Asphalt Concrete Driveway, Pathway, or Shoulder,” “Remove Concrete Ditch or Channel,”** and **“Remove Concrete Valley Gutter”** shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals necessary to sawcut, remove, dispose of and/or salvage existing improvements, and all excavation and preparation required to accommodate new improvements as shown on the contract plans, as specified in these Special Provisions, and as directed by the Engineer, and no additional compensation shall be allowed therefor.

The Contract Prices paid per linear foot for **“Remove Concrete Curb and Gutter”** shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals necessary to remove and dispose of existing concrete curb and gutter, adjacent asphalt pavement or other paving as necessary to accommodate form boards, and all excavation and backfill as required to accommodate new improvements as shown on the contract plans, as specified in these Special Provisions, and as directed by the Engineer, and no additional compensation shall be allowed therefor. Contract quantities may be reduced or eliminated based on work to be performed by others. No adjustment in the bid item price shall be allowed due to any change in contract quantities.

The Contract Prices paid per linear foot for **“Remove Obstructions in Gutter Plan”** shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals necessary to

remove and dispose of existing concrete or asphalt from the gutter area of the existing curb and gutter as shown on the contract plans, as specified in these Special Provisions, and as directed by the Engineer, and no additional compensation shall be allowed therefor.

The Contract Prices paid per linear foot for **“Sawcut Gutter Lip”** shall include full compensation for furnishing all labor, materials, tools, equipment and incidentals necessary to sawcut, remove, and dispose of the overpour or uneven edges of the existing concrete gutter where noted on the plans, as specified in these Special Provisions, and as directed by the Engineer, and no additional compensation shall be allowed therefor.

The Contract Prices paid per linear foot for **“Remove Storm Drain Pipe”** and per each for **“Remove Drainage Inlet”** shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals necessary to excavate, sawcut, remove, and dispose of the existing facilities, including shoring and backfill where required, and all other work as noted on the plans, as specified by these Special Provisions, and as directed by the Engineer, and no additional compensation shall be allowed therefor.

The Contract Prices paid per linear foot for **“Relocate/Repair Sanitary Sewer Lateral”** shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals necessary to excavate, sawcut, remove, and dispose of the existing facilities, install new improvements and make all connections, including shoring, bedding and backfill, and all plumbing modifications where required, and all other work as noted on the plans, as specified by these Special Provisions, and as directed by the Engineer, and no additional compensation shall be allowed therefor.

SPECIAL PROVISIONS SECTION SP-18

FULL-DEPTH ASPHALT CONCRETE RECYCLING

(BID ITEM NO. 54, 57)

The provisions of Section 11, “Full-Depth Asphalt Concrete Recycling,” of the Technical Provisions of the Standard Specifications shall apply in their entirety except as modified or supplemented herein.

SP18-01 GENERAL

Pulverizing and mixing shall be performed using a pulverizing machine. A grinding machine shall not be acceptable.

Per Section SP-7, “Existing Utilities,” of these Special Provisions, Contractor shall pothole to confirm all utilities are below the designed street pulverization depth, and that utilities will not be damaged while pulverizing and mixing the existing asphalt concrete, base and subgrade material. Contractor shall take precautions to protect manholes, valves, and similar facilities that have been lowered to

the lowest grade possible but are still within the designed pulverizing depth. Pulverizing and mixing of the roadway over these facilities shall be at a depth that provides a minimum of 6-inches of clearance.

Contractor's attention is directed to SP-20-02, "Roadway Excavation," regarding the removal of excess pulverized materials prior to grading and compaction of new subgrade.

All streets designed to receive cement treatment shall be treated within three (3) working days of the pulverizing being completed. The asphalt concrete base course shall be installed within three (3) working days after the minimum 48-hour cure time of the cement treatment. Each day after the total eight-working-day period described above, failure to complete the base course per these Special Provisions shall constitute a violation subject to a penalty of \$250 per violation per street. Said penalty assessment shall be deducted from any payments due to Contractor. In addition, the Engineer may require the implementation of additional dust control measures as outlined in Section SP15 "Dust Control" of these Special Provisions.

SP18-02 MEASUREMENT AND PAYMENT

The final pay Contract Price paid per cubic yard for "**Full-Depth Asphalt Concrete Recycling**" shall include full compensation for furnishing all labor, supervision, materials, tools, equipment and incidentals, and for doing all the work, including, but not limited to- potholing; pulverizing; asphalt dike removal within the pulverizing limits; mixing; moisture conditioning; grading; and compacting pulverized material; constructing, maintaining, removing, and disposing of temporary ramps; dust control; and all other work as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer, and no additional compensation shall be allowed therefor. Cement treatment is measured and paid separately as follows.

The Contract Price paid per cubic yard for "**Cement Treat Pulverized Base Material**" shall include full compensation for furnishing all labor, supervision, materials, tools, equipment and incidentals for doing all work involved including but not limited to- furnishing, spreading and mixing cement and water; grading; excavation; shaping; compaction; trimming; curing; monitoring and maintenance over weekends and holidays; dust control; proof-rolling; and all other work as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer, and no additional compensation shall be allowed therefor.

Payment for excavating, loading, offhauling and disposal of unstable material shall be paid as extra work at the contract item price per cubic yard for "Roadway Excavation," and shall conform to the provisions of Section SP-20, "Excavations," of these Special Provisions. Payment for backfilling unstable areas with asphalt concrete as base repairs shall be paid at the contract item price per ton for "Asphalt Concrete Pavement," and shall conform to the provisions of Section SP-22, "Asphalt Concrete," of these Special Provisions.

The quantities shown for "Full-Depth Asphalt Concrete Recycling" and "Cement Treat Pulverized Base Material" on the Bid Schedule shall be "Final Pay" quantities in accordance with the provisions

of Section 9-6 of the General Provisions or the Standard Specifications.

SPECIAL PROVISIONS SECTION SP-19

AGGREGATE BASE (NO BID ITEM)

The provisions of Section 8, "Aggregate Base", of the Technical Provisions of the Standard Specifications shall apply in their entirety except as modified or supplemented herein.

For certain installations, in lieu of Class II aggregate base, Contractor may be allowed to use pulverized material with maximum-size aggregates less than two (2) inches, generated from Project Work. The pulverized material shall be free of organic and other deleterious debris. The Engineer shall determine whether the material is suitable as a substitution based on inspection. The Engineer's decision shall be at his sole discretion, shall be final, and shall not constitute a contract change.

SP19-01 MEASUREMENT AND PAYMENT

There shall be no separate measurement or payment for furnishing and placing the aggregate base used in the construction of the various items of work shown on the Plans, bid proposal, and specified herein, and full compensation shall be considered as included in the contract unit prices paid for those bid items requiring aggregate base, and no additional compensation shall be allowed therefor.

SPECIAL PROVISIONS SECTION SP-20

EXCAVATIONS (BID ITEM NO. 55)

SP20-01 GENERAL

Excavation of all kinds shall conform to Section 3, "Earthwork," of the Standard Specifications Technical Provisions.

Pavement cores were obtained to determine the existing pavement section thickness and subgrade material. The cores for this project do not reveal any concrete in the areas to be excavated. The coring log is shown on the Contract Plans.

Contractor's attention is directed to Section 6-5, "Weight Limitation," of the General Provisions of the Standard Specifications.

SP20-02 ROADWAY EXCAVATION

Work shall include the excavation and disposal of pulverized materials determined by the Contractor to be excess, as part of the Full-Depth Asphalt Concrete Recycling process. Said excavation and disposal shall be to achieve the structural section as shown on the plans and in these Special Provisions. All material not suitable or used as road subgrade, shoulder backing, or backfill shall be considered excess. The excess material shall be removed with a grinding (or milling) machine conveying material directly into hauling trucks, which immediately off-haul the material from the work-site. Disposal shall be in accordance with the provisions of Section 6-16, "Disposal Outside Project Limits," of the General Provisions of the Standard Specifications.

Excess pulverized/mixed material will consist of asphalt concrete, base material and native material, and may contain reinforcing fabric and/or other particles that are a by-product of asphalt concrete. The City makes no guarantee that the material will be reusable or recyclable. No additional compensation shall be allowed to the Contractor if the pulverized material is deemed not reusable or recyclable. Any testing, if required, by the disposal site shall be arranged and paid for by the Contractor.

SP20-03 MEASUREMENT AND PAYMENT

Unless otherwise provided by a Contract Bid Item, there is no separate measurement or payment for excavation associated with various Contract Work, such as curb and gutter, walkway, driveways, storm drains, and minor structures. All excavation and backfill necessary to construct all Contract Work shall be considered as included in the Contract Prices paid for the various items of work.

The Contract Price per cubic yard for "Roadway Excavation" shall include full compensation for all labor, materials, tools, equipment and incidentals, and all work involved, to remove, load, handle, off-haul, and dispose of materials as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer, and no additional compensation shall be allowed therefor.

The quantities shown for "Roadway Excavation" on the Bid Schedule shall be a "Final Pay Quantity" in accordance with the provisions of Section 9-6 of the General Provisions of the Standard Specifications.

SPECIAL PROVISIONS SECTION SP-21

COLD PLANING
(BID ITEM NO. 56)

The provisions of Section 13, "Cold Planing," of the Technical Provisions of the Standard Specifications shall apply in their entirety except as modified or supplemented herein.

SP21-01 GENERAL

Work includes grinding pavement at conform joints and milling pavement in areas to receive an asphalt concrete inlay. Cold planing of areas to receive inlay include grinding to correct the grades and cross-slope of the existing roadway. In some areas Contractor may be required to make multiple passes to achieve the desired grades.

SP21-02 MEASUREMENT AND PAYMENT

The Contract Price per square yard for “Cold Plane Pavement” shall include full compensation for all labor, materials, tools, equipment and incidentals, and all work involved, including but not limited to sawcutting; grinding; milling; excavating; loading, hauling, and disposing of all grinding material, including asphalt concrete, aggregate base, or subbase; constructing, maintaining, removing, and disposing of temporary ramps; and all other work as required to construct Contract Work as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer, and no additional compensation shall be allowed therefor.

SPECIAL PROVISIONS SECTION SP-22

ASPHALT CONCRETE

(BID ITEM NO. 58 THROUGH 63)

The provisions of Section 9, “Asphalt Concrete”, of the Technical Provisions of the Standard Specifications shall apply in its entirety except as modified or supplemented herein. Failed pavement area repair shall conform to Section 5, “Street Failed Area Repair,” of said Technical Provisions.

SP22-01 DRIVEWAYS, PATHWAYS, AND SHOULDER CONFORM PAVING

Asphalt driveway, pathway and shoulder conform limits are approximate. The Engineer will delineate actual conform lines prior to the start of work. Substrate conditions for conform paving differ depending on the project location as shown on the Plans. Conform paving may be installed on existing pavement, on existing base, or on new subbase. In all cases, a paint binder (tack coat) conforming to Standard Specification Technical Provision Section 9-11 shall be required. When conform paving is installed on unpaved base materials, the minimum thickness of finish asphalt concrete paving is three (3) inches.

Where asphalt concrete thickness is required to be three (3) inches minimum, Contractor may install asphalt concrete in multiple lifts to a total thickness greater than three (3) inches to meet the design or conform grades. At Contractor’s option, suitable backfill materials may be used to prepare the subgrade such that the finish asphalt concrete paving meets the three (3) inch minimum. Suitable

backfill may be Class II Aggregate Base conforming to SP-19 or pulverized material, having maximum-size aggregates less than two (2) inches, generated from Contract Work and determined to be suitable by the Engineer.

Where a new subbase is required per the Contract Plans, the subgrade shall be excavated and compacted to the required depth to accommodate the design structural section. New subbase shall be six (6) inches minimum, consisting of Class II aggregate base conforming to SP-19 and compacted to 95% relative compaction.

All conforms shown adjacent to a berm of any type shall be paved at the same time as the berm placement and shall be compacted with a vibraplate, small roller, or similar compactor, at the time of placement.

SP22-02 ASPHALT BERM (DIKE)

Berms, or dikes, shall be in accordance with applicable details shown on State Standard Plans. Berm locations include those shown on the Plans.

Prior to placement of the berm, the underlying pavement shall be thoroughly cleaned and a tack coat per Standard Specifications Technical Provisions Section 9-11 shall be applied to the pavement surface. The berm shall be placed and compacted utilizing a self-propelled mechanical extruding machine capable of achieving the lines and grades shown on the Plans and the finished dimensions for the specified type of berm. The Contractor shall protect newly-placed berm to allow sufficient time for curing. Berms that slough, fall apart, or otherwise become damaged before curing shall be completely removed and replaced at the Contractor's expense. If a section of berm looks "patched," it shall be entirely removed and replaced with a conforming berm that is smooth and uniform in appearance.

Berms shall be reduced to 2-inches in height at driveways. The top of the berm at driveways shall be compacted with a vibraplate, or similar compactor, at the time of placement. Driveway and shoulder conforms adjacent to any asphalt concrete berms shall be placed and compacted at the same time as the berms to achieve a monolithic construction.

The ends of new berms shall be painted white with two coats of traffic paint for a minimum length of one foot, and a Type "C" pavement marker shall be placed on top of the berm where it tapers to end.

All berms shall be backed with either asphalt concrete conform paving, select fill, pulverized material, aggregate base, topsoil, gravel, or other material that matches the existing surrounding shoulder material.

SP22-03 MEASUREMENT AND PAYMENT

The contract unit price paid per ton for "Asphalt Concrete Pavement" and per each (location) for "Asphalt Speed Hump" shall be considered as full compensation for furnishing all labor, supervision,

materials, tools, equipment and incidentals to complete the necessary work, including but not limited to- cleaning existing pavement; furnishing, transporting, placing, spreading and compacting asphalt concrete; tack coat binder; constructing, maintaining, removing, and disposing of temporary asphalt concrete ramps; all roadway conform paving; any necessary corrective measures; and all other work as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer, and no additional compensation shall be allowed therefor.

The contract unit prices paid per square foot for **“AC Driveway, Pathway, or Shoulder on Existing Base Material”** and **“AC Driveway, Pathway, or Shoulder on New Base Material”** shall include full compensation for furnishing all labor, supervision, materials, tools, equipment and incidentals and for doing all work involved including but not limited to- excavation required to install required structural section; subgrade preparation; cleaning; tack coat; furnishing, placing, spreading, and compacting the asphalt concrete to the specified depth; and all other work as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer, and no additional compensation shall be allowed therefor.

The contract unit prices paid per linear foot for **“Asphalt Berm”** of various types shall include full compensation for furnishing all labor, supervision, materials, tools, equipment and incidentals necessary to construct the asphalt concrete dike including but not limited to- cleaning; tack coat binder; placing, compacting, protecting and backfilling berms; white traffic paint and Type **“C”** markers on berm ends; and all other work as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer, and no additional compensation shall be allowed therefor. Note that in certain constructions the payment of backfill of berms may be included in other items of work elsewhere in the Contract.

SPECIAL PROVISIONS SECTION SP-23

CONCRETE CONSTRUCTION

(BID ITEM NO. 28 THROUGH 37, 40 THROUGH 43)

The provisions of Section 17, **“Concrete Construction,”** of the Technical Provisions of the Standard Specifications shall apply in their entirety except as modified or supplemented herein. Section 17-7 of said Technical Provisions shall also apply to construction of storm drain inlets.

SP23-01 GENERAL

All new curb, gutter, driveways, and storm drain structures shall conform to the latest applicable Contra Costa County (CCC) Public Works Department **“Standard Plans”** unless otherwise specified or modified by Contract Documents. All new concrete construction shall include installation of a subbase consisting of a minimum six (6)-inch-thick layer of Class 2 aggregate base, conforming to SP-19, compacted to 95% relative compaction. Work also includes constructing dowelled connections between new and existing facilities.

All new inlet tops shall have a City-furnished sticker, stating "No Dumping – Drains to Creek." affixed to the curb or other logical nearby location.

The void between the back of new concrete curbs, inlets, and driveways and the surrounding terrain shall be filled with material to match existing surrounding material. This material is typically topsoil, gravel or base rock. Fill material shall be placed and compacted to the top of the new concrete improvements and sloped at a maximum of 3:1 to conform to the existing terrain. The fill material shall be compacted to 90% relative compaction. In areas where topsoil is placed, a 1-inch layer of mulch shall be placed over the topsoil.

SP23-02 CONCRETE REQUIREMENTS

Concrete used for all items on this project shall be Class 564-C-3250 with minimum 28-day compressive strength of 3,250 pounds per square inch. The maximum slump shall be four (4) inches.

SP23-03 MINOR CONCRETE CONSTRUCTION

Curb and gutter shall match existing curb and gutter configuration except that 6 inches of base rock shall be placed under new curb and gutter.

Where curb drains exist in curb and gutter to be removed and replaced, Contract Work for the replacement new curb and gutter shall include extending said drain lines to the new face of curb and integrating them into the new construction conforming to the details shown on the Plans or various Standard Plans.

In modifying inlet tops, Contractor shall remove existing tops of inlets in any manner that protects the base of the inlets and their connections to storm drain pipes. Precautions shall be taken to avoid introducing debris into the storm drain system. New inlet tops shall be cast in place and dowelled into the existing inlet base per details on the Plans. Dowels shall have a maximum spacing of 6 inches.

Dowels used in connections between new and existing facilities shall be #4 rebars, 12" long. The dowels shall be in drilled holes, grouted and spaced in conformance with the details shown on CCC Standard Plan CA74i and these Special Provisions. All dowels shall have a minimum 1 ½" concrete cover.

Contractor's attention is directed to the potential existence of private irrigation facilities located behind the existing curb and gutter or at drain inlet locations. Coordination, protection, and relocation of these facilities are considered incidental to Contract Work per Section 7 of the Standard Specifications General Provisions. Contractor shall repair any damage on the same day that it is caused by his activities, to a fully functional condition.

SP23-04 PATH OF TRAVEL TACTILE SURFACES

The color of detectable tactile warning panels shall be onyx black (Federal Color No. 17038) and guide strips shall be brick red (Federal Color No 22144). Contractor shall submit a six (6)-inch square sample of the product to be used, along with the manufacturer's product data and "cut-sheets" for review and approval prior to ordering. The detectable warning surface shall conform to:

1. Americans with Disabilities Act (ADA) Title III Regulations, 28 CFR Part 36 "ADA Standards For Accessible Design," Appendix A, Section 4.29 for "Detectable Warnings."
2. Division of the State Architect - Access Compliance (DSA-AC) approved detectable warning products as provided in the California Code of Regulations (CCR) Title 24, Part 2, Section 205 definition of "Detectable Warning."

City may accept products from ADA solutions (800-372-0519), Answer Industries (909-230-4064), and Armor-Tile (916-844-4132).

SP23-05 CONFORM PAVING

Unless otherwise specifically provided elsewhere in these Special Provisions, conform paving adjacent to new concrete construction, such as curb, gutter, inlets and associated aprons, and valley gutter shall be considered to be included in the Contract Work to construct those items. Asphalt concrete for conform paving shall conform to SP-22.

SP23-06 MEASUREMENT AND PAYMENT

The Contract Price paid per linear foot for **"Concrete Curb and Gutter," "Concrete Curb," "Retaining Curb and Gutter," "Retaining Curb," "Detectable Guide Strip Set in Concrete,"** per square foot for **"Concrete Driveway," "Concrete Sidewalk," "Concrete Valley Gutter," "Concrete Ditch," and "Concrete Curb Ramp with Detectable Panel"** shall include full compensation for furnishing all labor, supervision, materials, tools, equipment and incidentals necessary to complete the work, including but not limited to- sawcutting; excavation and preparing subbase; dewatering; loading, hauling, and disposal of spoils; forming, placing, and finishing concrete; backfill; conform paving; doweled connections; setting tactile surfaces in accordance with manufacturer's instructions, and all other work necessary to construct the facility complete and in place as shown on the plans, as specified in these Special Provisions, and as directed by the Engineer, and no additional compensation shall be allowed therefor.

The Contract Price paid per each for the **retrofit and installation of various drainage structures (inlets and manholes)** shall include full compensation for furnishing all labor, supervision, materials, tools, equipment and incidentals for doing all work involved, including but not limited to- sawcutting; removals where needed; excavation and preparing subbase; dewatering; loading, hauling, and disposal of spoils; forming, placing, and finishing concrete; installing frames and grates; backfill;

doweled connections; and all other work necessary to construct the facility complete and in place as shown on the plans, as specified in these Special Provisions, and as directed by the Engineer, and no additional compensation shall be allowed therefor.

“Concrete Curb Ramp with Detectable Panel” shall be measured as the ramp area up to the outer most groove line defining the ramp, up to and including the adjacent retaining curb where it exists, and inclusive of the detectable panel. The retaining curb associated with a curb ramp shall not be paid separately as a curb item.

Concrete inlet aprons, regardless of size, are measured and paid per linear foot as “Concrete Curb and Gutter.”

SPECIAL PROVISIONS SECTION SP-24

STORM DRAINS

(BID ITEM NO. 38, 44 THROUGH 51)

The provisions of Section 18, “Storm Drains”, of the Technical Provisions of the Standard Specifications shall apply in their entirety except as modified or supplemented herein.

SP24-01 PRIVATE DRAIN MODIFICATIONS

At the locations shown on the Plans, and possibly at additional locations if unseen private drains are encountered during storm drain installation, private drain pipes shall be extended and connected to a downstream inlet or system. Piping and connections shall be per Plan Details. Work shall include excavation, pipe, fittings, grate, connectors, backfill, compaction and all other work to install a complete functional drain system.

SP24-02 CONNECTIONS

Connections between new and existing storm drain pipes and structures shall be made with a concrete collar per details shown on the Project Plans. Openings in existing structures shall be made with care so as to minimize damage to the structure wall, with the minimum clearance practicable to properly seat the connecting pipe into the opening. The connection point shall be grouted smooth. Extensive damage that is deemed by the Engineer to compromise the integrity of the structure shall be repaired by replacing the structure or the entire wall face. Concrete shall conform to the requirements of SP-23 of these Special Provisions.

SP24-03 MEASUREMENT AND PAYMENT

The Contract Prices paid per linear foot for **installation of various pipe classes** shall be considered as full compensation for furnishing all labor, supervision, materials, tools, equipment and incidentals

necessary to perform all work, including but not limited to- potholing; sawcutting; excavation; installing various pipes with fittings; bedding and backfill; compaction; temporary asphalt concrete paving; coordination with, protecting, and supporting existing utilities; and all other work as shown on the Plans, as specified in the Standard Specifications, these Special Provisions, and as directed by the Engineer; and no additional compensation shall be allowed therefor.

The contract lump sum price paid for **"Sheeting and Shoring"** shall include full compensation for furnishing all labor, supervision, materials, tools, equipment and incidentals for doing all the work involved in sheeting and shoring as specified in the Standard Specifications; as required by the California Occupational Safety and Health Administration, the California Division of Industrial Safety, and all applicable laws; and these Special Provisions; and as directed by the Engineer; and no additional compensation shall be allowed therefor.

The contract unit price paid per each for **"Concrete Collar"** and **"Extend Private Drain Line to Storm Drain Inlet"** shall include full compensation for furnishing all labor, supervision, materials, tools, equipment, and incidentals for doing all the work involved in modifying the storm drain system as shown on the plans, as specified in these Specifications, and as directed by the Engineer, and no additional compensation shall be allowed therefor.

SPECIAL PROVISIONS SECTION SP-25

PAVEMENT STRIPING, MARKERS AND DELINEATION

(BID ITEM NO. 65 THROUGH 72)

The provisions of Section 15, "Pavement Striping, Markers, and Delineation", of the Technical Specifications of the Standard Specifications shall apply in their entirety except as modified or supplemented herein.

SP25-01 GENERAL

Contractor's attention is directed to notification requirements in Section 15-2 of the Standard Specifications Technical Provisions. No payment shall be made for any striping work performed without notification to the City conforming to the above.

During pavement striping and marking operations, the Contractor shall implement traffic control as specified in SP-14 of these Special Provisions.

SP25-02 MEASUREMENT AND PAYMENT

Traffic stripes shall be measured by the linear foot along the line of the traffic stripe without deductions for the gaps, shown on the standard details. Deductions will be made for gaps at cross streets and driveways.

Measurement for legends and markings shall be per the areas shown on State Standard Plans.

The Contract Prices paid per linear foot for **curb painting and various stripes and striping details**, per square foot for **“Thermoplastic Pavement Legends & Markings,”** and per each for **“Two-Way Reflective Pavement Markers (Blue),”** shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, including any necessary cat tracks, dribble lines and layout work; and all other work as shown on the Plans, the State Standard Plans, and as specified in these Special Provisions, and as directed by the Engineer, and no additional compensation shall be allowed therefor.

SPECIAL PROVISIONS SECTION SP-26

SURVEY MONUMENT

(BID ITEM NO. 73)

SP26-01 GENERAL

Contractor shall remove and dispose of existing monuments where shown on the plans or as directed by the Engineer. New survey monuments shall be set at locations shown on the Plans or as designated by the Engineer in the field in accordance with the details shown on County Standard Plan CC105, “Street Survey Monument.” Frames, covers, collars, concrete cores and brass markers shall be furnished and installed by the Contractor. The City will set reference points, prior to the start of construction, for existing survey points.

At least five (5) working days prior to the installation of monuments, Contractor shall deliver brass markers to the Engineer for the stamping of the land surveyor’s license number on the disks.

Survey monument in pavement shall be installed after the final lift of paving is completed and after the City Surveyor has set temporary straddle survey points. If permanent asphalt concrete paving cannot be placed the same day that the monument frame and collar are installed, Contractor shall place and maintain temporary asphalt concrete until the permanent pavement is placed.

SP26-02 MEASUREMENT AND PAYMENT

The Contract Price paid per each for **“Install New Monument”** shall include full compensation for furnishing all labor, supervision, materials, tools, equipment and incidentals necessary; including but

not limited to- excavation; removing and restoration of asphalt concrete pavement; removal and disposal of existing monuments; concrete collar; placement, maintenance, and removal of temporary asphalt concrete around the monument, and all other work to completely install the monument in place as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer, and no additional compensation shall be allowed therefor.

SPECIAL PROVISIONS SECTION SP-27
MISCELLANEOUS CONSTRUCTION
(BID ITEM NO. 39, 52, 53, and 74 THROUGH 76)

SP27-01 GENERAL

Miscellaneous work covered under this section includes:

- Shoulder backing
- Grading earth ditch
- Grading earth embankment
- Reset brick paver surfaces
- Asphalt overside drain and rock channel

SP27-02 SHOULDER BACKING

Contractor shall place shoulder backing along the edge of the finish course of all new asphalt concrete paving that is not confined by a concrete gutter or other paving. Shoulder backing shall also be placed behind curbs and berms, and other similar vertical edges of construction or void space to either buttress the improvement or conform the work to surrounding grades. Shoulder backing shall consist of clean native material, select fill, aggregate base, or pulverized material to best match the existing surrounding condition. Select fill and pulverized materials shall have maximum-size aggregates less than two (2) inches and be free of organic particles. Aggregate base shall be Class II conforming to SP-19.

Shoulder backing along unconfined edges of pavement shall be at least two feet wide, placed to the top of pavement finished grade, and sloped to match adjacent grades at a maximum slope of 3 to 1, horizontal to vertical. Shoulder backing behind tops of berms and curbs shall be within half an inch of top of curb/berm, and sloped to match adjacent grades as described above. Materials shall be appropriately moisture-conditioned prior to placement. Select fill shall be compacted to 90% relative compaction. Aggregate base and pulverized material shall be compacted to 95% relative compaction. Shoulder backing shall be trimmed neatly and compacted in place on the same day that the material is placed.

Conform between new pavement or improvements and gravel driveways shall be treated as shoulder backing. When disturbing such driveways, Contractor shall salvage sufficient existing gravel to allow for the construction of conforms. If necessary, Contractor shall import new material in kind.

SP27-03 RE-GRADE EARTH DITCH

At the location shown on the Plans and at locations designated by the Engineer, Contractor shall grade the existing earth ditch, removing all earth, vegetation, and root matter to restore positive drainage and provide a neatly-trimmed, well-defined, compacted, and stable embankment at least 18 inches high on both sides of the ditch.

SP27-04 RE-GRADE EARTH EMBANKMENT

Contractor shall fine grade road embankment to eliminate overly steep conform planes between new improvements and existing adjacent grade. Work shall conform to Section 3, "Earthwork," of the Standard Specifications Technical Provisions. The finished embankment shall be a smooth plane at the inclination as specified on the plans or as directed by the Engineer, neatly-trimmed, well defined, compacted, and stable. If over excavation of unsuitable materials is found to be necessary during grading, Contractor shall provide select fill, either imported or obtained from excavations within the Project area, to backfill the excavation. Backfill shall be placed in maximum 8-inch lift, compacted to 90% relative compaction.

SP27-05 RESET BRICK PAVERS

Contractor shall salvage with care all brick pavers to be reused and reset. Damaged and broken pavers shall be replaced in kind to equal the pre-existing appearance, function, and quality. Pavers shall be set on sand or mortar to match the existing surrounding condition. Cutting shall be to a neat, straight line, with no cut unit having a minimum dimension less than three (3) inches. For pavers set in sand, a fine sand course shall be swept over the finished surface, then vibrated to lock the paver units in place.

SP27-06 ASPHALT OVERSIDE DRAIN

Paving of overside drain shall conform to SP-22 of these Special Provisions. Asphalt shall be that using for roadway finished course placed in lifts no greater than 3 inches and compacted to 90% relative compaction. Edges of the overside drain shall be backfill with clean select fill and compacted to match the adjacent grades similarly to shoulder backing.

SP27-07 ROCK CHANNEL AND ROCK SLOPE PROTECTION

Rock-lined channel and rock slope protection shall be constructed of landscape river rocks of "cobble" size as defined by Section 72, "Slope Protection," of the State Specifications. At least two courses of rocks shall be installed, with the bottom course being larger-dimensioned rocks firmly

seated into the existing embankment. Contractor shall spread and shape rock layers to relatively uniform thickness and grades conforming to adjacent ground.

Where a rock channel interfaces with the adjoining overside drain, the subgrade of the bottom course shall be slightly below the projected finished flow line of the overside drain. Contractor shall perform minor grading as necessary to install rock channel to achieve the design intent of facilitating flow of water without causing erosion.

SP27-08 MEASUREMENT AND PAYMENT

The Contract price paid per linear foot for **“Shoulder Backing”** shall be considered as full compensation for furnishing all labor, tools, equipment, and incidentals and for doing all work involved, including but not limited to- providing, placing, and compacting fill material, and all other work as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer, and no additional compensation shall be allowed therefor.

The Contract price paid per linear foot for **“Re-grade Earth Ditch”** shall include full compensation for furnishing all labor, tools, equipment, and incidentals and for doing all work involved, including but not limited to- removing vegetation, excavation, hauling and disposal of spoils, grading, and all other work as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer, and no additional compensation shall be allowed therefor.

The Contract price paid per square foot for **“Re-grade Earth Embankment”** shall include full compensation for furnishing all labor, tools, equipment, and incidentals and for doing all work involved, including but not limited to- removing vegetation, excavation, hauling and disposal of spoils, grading, providing incidental backfill using select fill, and all other work as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer, and no additional compensation shall be allowed therefor. Measurement of the embankment shall be the visible graded area in the completed configuration.

The Contract price paid per square foot for **“Reset Brick Paver Surfacing”** shall include full compensation for furnishing all labor, tools, equipment, and incidentals to perform all work to salvage, store, protect, and reset brick pavers, including replacement of damaged units, as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer, and no additional compensation shall be allowed therefor.

The Contract lump sum price paid for **“Asphalt Overside Drain and Rock Channel”** and per square foot for **“Rock Slope Protection”** shall include full compensation for furnishing all labor, tools, equipment, and incidentals to perform all work to pave asphalt overside drain and install rock-lined channel and rock slope protection, including any minor grading required, as shown on the Plans, as specified in these Special Provisions, and as directed by the Engineer, and no additional compensation shall be allowed therefor.

SPECIAL PROVISIONS SECTION SP-28

TRAFFIC SIGN (BID ITEM NO. 77, 78)

The provisions of Section 16, "Traffic Signs," of the Technical Specifications of the Standard Specifications shall apply in their entirety except as modified or supplemented herein.

SP28-01 GENERAL

To relocate signs, existing posts to be removed shall be completely removed and the excavation backfilled with material matching the surrounding area and adjacent grades.

At no additional cost to the City, Contractor shall replace all signs damaged by Contractor's operations or lost while in Contractor's possession.

Signs posts shall be galvanized 2" Ulti-Mate square post systems or approved equal.

All road signs shall be installed with a minimum of 7' of vertical clearance measured from the lowest point of the sign panel to the ground surface.

SP28-02 MEASUREMENT AND PAYMENT

The Contract Price paid per each for "Relocate Traffic Sign on New Post" and "Install New Traffic Sign and Post" shall include full compensation for furnishing all labor, supervision, materials, tools, equipment, and incidentals, and for doing the work involved in removing existing signs and posts where designated, disposal of said existing posts and foundations, backfilling excavations, installing signs on new posts complete in place, including mounting hardware and new sign panels where required, and all other work as shown on the Plans, as specified by these Special Provisions, and as directed by the Engineer, and no additional compensation shall be allowed therefor.

APPENDICES

APPENDIX A

WASTE MANAGEMENT PLAN INSTRUCTIONS



Planning & Building Department

3675 Mt. Diablo Boulevard, Suite 210

Lafayette, CA 94549-1968

Tel. (925) 284-1976 • Fax (925) 284-1122

<http://www.ci.lafayette.ca.us>

WASTE MANAGEMENT PLAN INSTRUCTIONS CONSTRUCTION AND DEMOLITION DEBRIS RECYCLING

GENERAL

The City of Lafayette is mandated by the State of California to divert 50-percent of all solid waste from landfills either by salvage or recycling. To help meet this goal, the City requires completion of a Waste Management Plan (WMP) for covered projects identifying how at least 50-percent of project waste materials will be diverted from the landfill. A "covered project" is defined as:

1. Construction, renovation, and demolition projects where the total costs are projected to be equal to or greater than \$50,000; and/or
2. Construction or renovation projects equal to or greater than 1,000 sq. ft.; and/or
3. Demolition projects equal to or greater than 300 sq. ft.

All phases of a project and all related projects taking place on single or adjoining parcels are considered a single project.

GREEN HALO SYSTEMS

For a covered project, applicants are required to submit their WMP to the City using Green Halo Systems. Green Halo is a free web-based service for waste diversion and recycling tracking. Through Green Halo, applicants can establish, monitor and document their waste management plan and compliance online. Applicants can set-up a Green Halo account at www.greenhalosystems.com. For applicants who do not have access to the internet, Green Halo can set-up an account over the phone at 1-888-525-1301. Once an applicant has created a Green Halo account, they can track and manage multiple projects for different jurisdictions on their account.

PROCEDURE

Prior to issuance of a grading, demolition, and/or building permit for a covered project:

1. Submit a non-refundable administrative fee, payable to the City of Lafayette. See "Planning Fees" handout for current rate.
2. Submit a WMP to the City using Green Halo that includes the following:
 - a) Identification of all the materials you estimate will be recycled, salvaged, or disposed; and
 - b) Identification of which certified C&D facilities the various material types will go.
3. Green Halo will notify the City that a WMP has been submitted. The City will review the submitted WMP on Green Halo. The WMP will only be approved when all of the following conditions have been met:
 - a) The WMP provides all information noted above; and
 - b) The WMP indicates that at least 50% of all construction and demolition debris generated by the project will be diverted.
4. The WMP will be approved or not approved. If the WMP is incomplete and/or fails to meet the required diversion rate, the WMP will not be approved and the applicant will be notified about the reasons for non-approval. No grading, building, and/or demolition permit will be issued until the WMP is approved.

INFEASIBILITY EXEMPTION

If an applicant for a covered project experiences unique circumstances that make it infeasible to comply with the diversion requirement, the applicant may apply for an exemption at the time the WMP is submitted. Increased costs to the applicant generally will not be a sufficient basis for an exemption. The applicant shall indicate on the WMP the minimum rate of diversion he/she believes is feasible for each material and the specific circumstances that he/she believes make it infeasible to comply with the diversion requirement.

UPON COMPLETION OF THE PROJECT

Prior to the final inspection of a grading, demolition, and/or building permit and within 30 days after project completion, the applicant shall submit their WMP to the City through Green Halo for final review. The goal of the final review is to provide documentation to the City showing that the diversion requirement has been met. The WMP submitted for final review shall include the following:

1. Receipts from the certified facilities that collected or received each material showing the actual volume or weight of the material received and how the material was disposed of; and
2. Any additional information the applicant believes is relevant to determining its efforts to comply in good faith with the diversion requirement.

Through Green Halo, the City will review the WMP and documentation noted above and a determination will be made if the applicant has complied with the diversion requirement as follows:

1. **Full compliance** - If the applicant has fully complied with the diversion requirement.
2. **Good Faith Effort to Comply** - If the diversion requirement has not been achieved, the City will determine on a case-by-case basis whether the applicant has made a good faith effort to comply with the diversion requirement. In making this determination, the City will consider the availability of markets for the C&D debris landfilled, the size of the project and the documented efforts of the applicant to divert the C&D debris.
3. **Noncompliance** - If the City determines that the applicant has not complied with the diversion requirement, the City may withhold final project approval until full compliance can be established.

No hold on final shall be released, until the WMP has been provided to and approved by the City as either full compliance or good faith effort to comply.

NONCOMPLIANCE

Please note that if the required documentation is not submitted and approved by the City, or the applicant has not made a good faith effort to comply, the applicant is in noncompliance status and is in violation of the Lafayette Municipal Code (LMC) and is liable for a civil penalty, or any other remedy provided in the LMC. This violation makes the property owner liable to the City for a civil penalty of \$1,000 or one percent (1%) of the project cost, whichever is less. The project will not be approved and holds will not be released, until the project is in full compliance, meets the good faith effort to comply, or the civil penalty has been paid.

APPEAL

Appeal of the determination made by the City shall be made to the City Council within 30 days of the City's determination. To appeal, an applicant must submit a letter to the city manager concisely stating the facts of the case and the grounds of appeal. The city manager will schedule a meeting before the city council and notify the applicant of the date, time, and place. The decision of the city council is final. Appeals shall be limited to:

1. The granting or denial of an exemption; or
2. Whether the applicant has made a good faith effort to comply with the WMP.

NOTE: The applicant and property owner are responsible for the actions of their contractors or other agents with regard to the diversion requirement. Therefore, when reviewing proposals from project managers, contractors, site cleanup, vendors, and other building professionals, all aspects of the proposal should be considered and not just the cost.

APPENDIX B

STANDARD PLANS

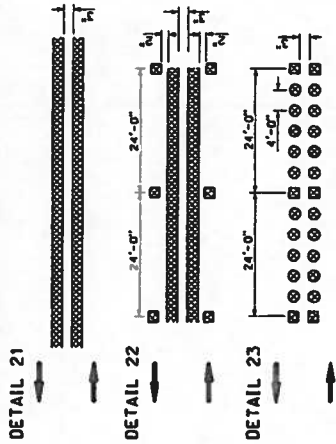
CALTRANS STANDARD PLANS

2010 STANDARD PLAN A20A

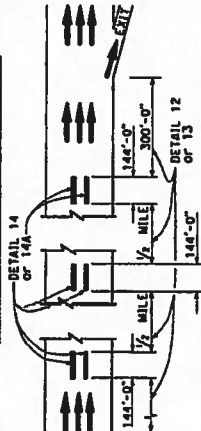
TITLE: COUNTY: ROUTE: ROAD: PROJECT: SHEET NO.: DATE:

REGISTERED CIVIL ENGINEER
 May 20, 2011
 THE STATE OF CALIFORNIA
 DIVISION OF PROFESSIONAL ENGINEERING
 115 WEST WASHINGTON STREET, SUITE 1100
 SACRAMENTO, CALIFORNIA 95811
 LICENSE NO. 12077
 EXPIRES 12/31/13

NO PASSING ZONES-TWO DIRECTION



TYPICAL LANE LINE DELINEATION IN ADVANCE OF EXIT RAMP



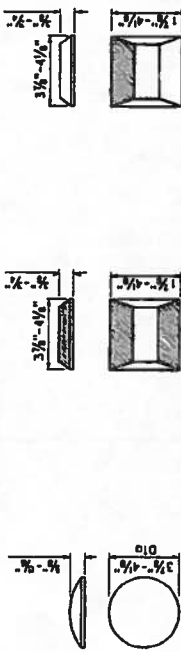
- LEGEND
- MARKERS
- TYPE A WHITE NON-REFLECTIVE
 - ⊙ TYPE AY YELLOW NON-REFLECTIVE
 - ⊞ TYPE C RED-CLEAR RETROREFLECTIVE
 - ⊞ TYPE D TWO-WAY YELLOW RETROREFLECTIVE
 - ⊞ TYPE G ONE-WAY CLEAR RETROREFLECTIVE
 - ⊞ TYPE H ONE-WAY YELLOW RETROREFLECTIVE
- LINES
- 4" WHITE
 - 4" YELLOW
- DIRECTION OF TRAVEL

NOTES

Detail 14 is to be used in combination with Detail 13.

Detail 13 is to be used in combination with Detail 12.

MARKER DETAILS



TYPE A AND TYPE AY TYPE C AND TYPE D TYPE G AND TYPE H

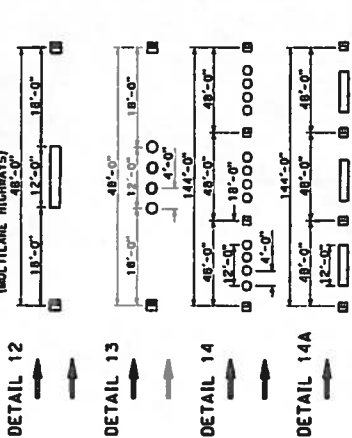
STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKERS AND TRAFFIC LINES TYPICAL DETAILS

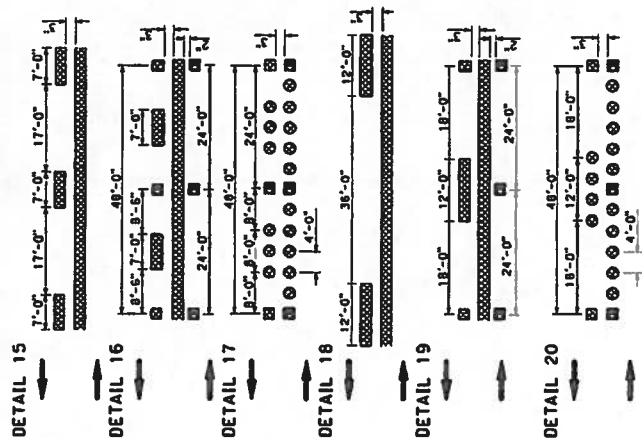
A20A

NO SCALE

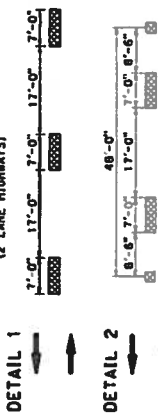
LANELINES (CONT)



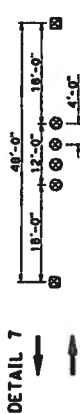
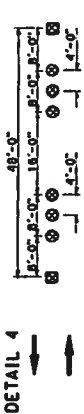
NO PASSING ZONES-ONE DIRECTION



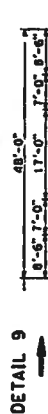
CENTERLINES (2 LANE HIGHWAYS)



DETAIL 3 DELETED



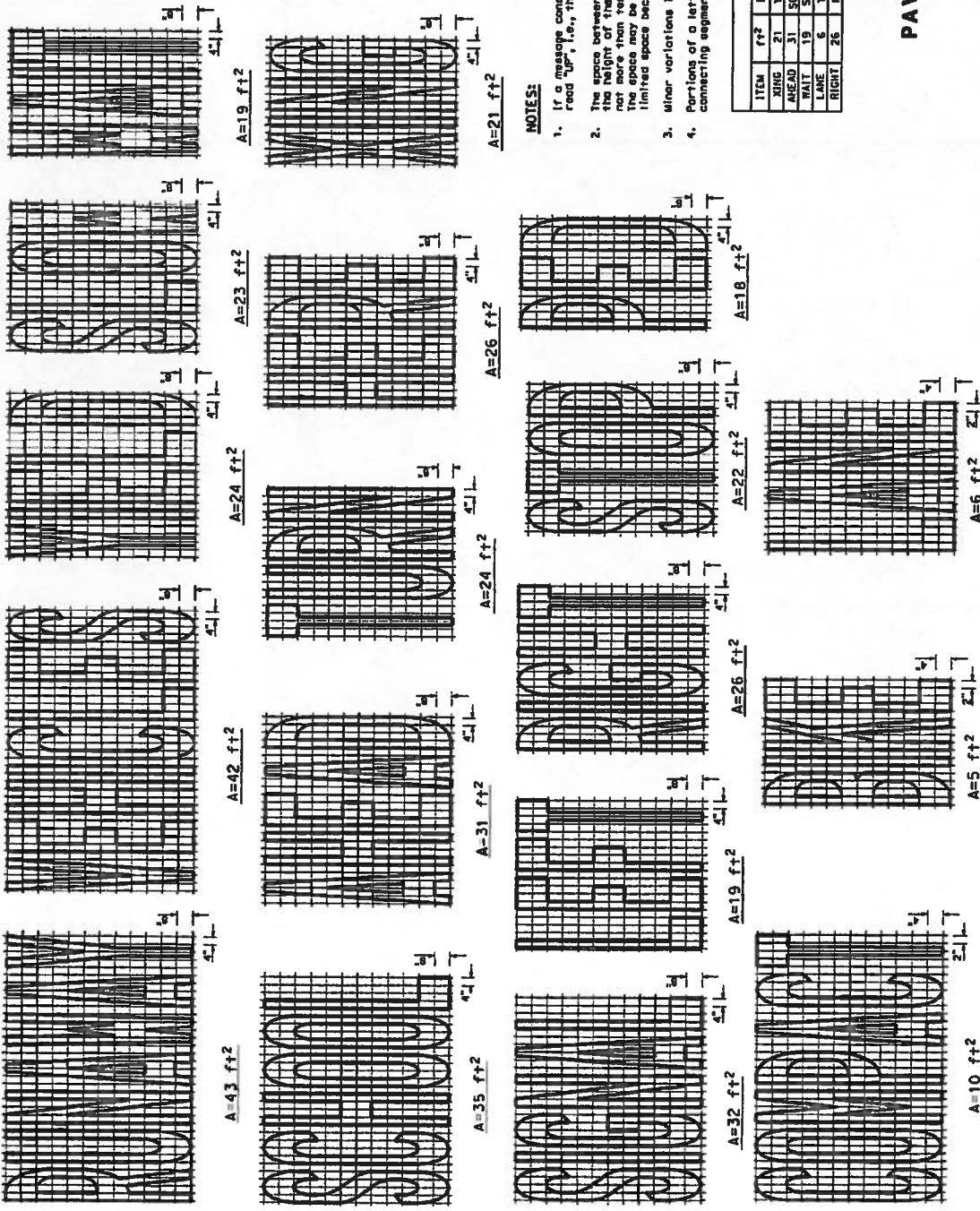
LANELINES (MULTILINE HIGHWAYS)



2010 STANDARD PLAN A24D

| | | | | |
|-------|--------|-------|--------------|-------------|
| DIST. | COUNTY | ROUTE | POST MILEAGE | PLAN NUMBER |
| | | | | |

REGISTERED CIVIL ENGINEER
 May 20, 2011
 PLANS APPROVAL DATE
 OF THIS PLAN APPROVED BY THE BOARD OF EXAMINERS OF THE PROFESSION OF CIVIL ENGINEERS OF THE STATE OF CALIFORNIA
 BOARD OF EXAMINERS OF THE PROFESSION OF CIVIL ENGINEERS OF THE STATE OF CALIFORNIA



- NOTES:**
1. If a message consists of more than one word, it should read "up", i.e., the first word should 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 at least the height of the characters. The space may be reduced to one character height 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 length.

WORD MARKINGS

| ITEM | ft ² | ITEM | ft ² | ITEM | ft ² | ITEM | ft ² |
|-------|-----------------|--------|-----------------|------|-----------------|----------|-----------------|
| XING | 21 | YIELD | 24 | BIKE | 5 | PEDEST | 18 |
| AHEAD | 31 | SCHOOL | 25 | SLOW | 23 | COMPACT | 10 |
| WALK | 18 | SIGNAL | 22 | STOP | 22 | LANEWAY | 43 |
| LANE | 6 | TURN | 24 | LEFT | 19 | VEHICLES | 42 |
| RIGHT | 26 | HERE | 26 | | | | |

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**PAVEMENT MARKINGS
 WORDS**
 NO SCALE

A24D

2010 REVISED STANDARD PLAN RSP A88A

| | | | | |
|------|--------|-------|--------------|-----------|
| PLAT | COUNTY | ROUTE | TOTAL SHEETS | SHEET NO. |
| | | | | |

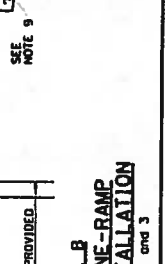
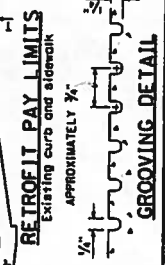
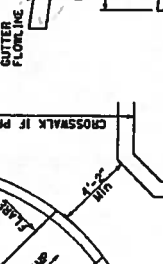
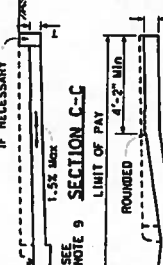
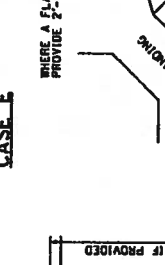
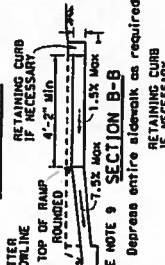
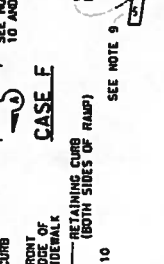
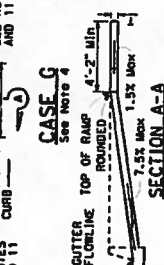
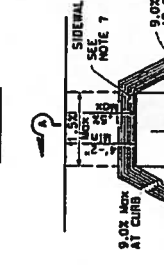
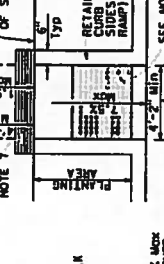
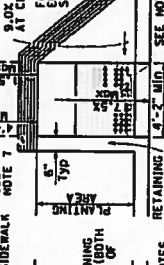
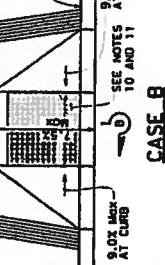
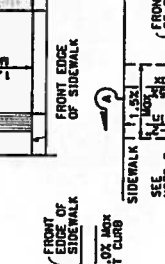
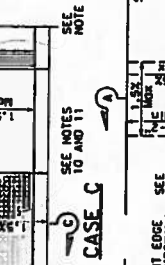
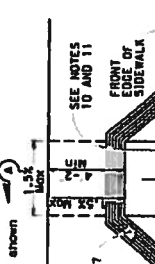
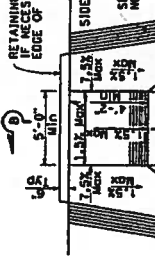
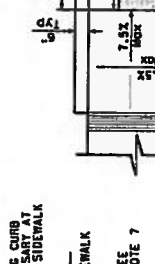
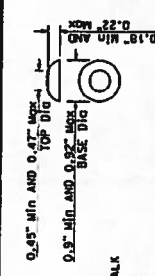
REGISTERED CIVIL ENGINEER
 H. Paul Cohen
 MARCH 21, 2014
 P.E. APPROVAL DATE
 THE STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 1515 MARKET STREET, SUITE 100
 SACRAMENTO, CALIFORNIA 95833

TO ACCOMPANY PLANS DATED

RAISED TRUNCATED DOME

NOTES:

- As site conditions dictate, Case A through Case G curb ramps may be used for corner installations similar to those shown in Detail A and Detail B. The case of curb ramps used in Detail A do not have to be into black locations, as site conditions dictate.
- If clearance from curb to back of sidewalk is too short in Case A, appropriate accommodations shall be made. The minimum width of the sidewalk may be decreased longitudinally as in Case B, or C or may be widened as in Case B.
- When ramp is located in center of curb return, crosswalk configuration must be similar to that shown for Detail B.
- As site conditions dictate, the retaining curb along the flared edge of the Case G ramp shall be constructed in reversed position.
- If located on a curve, the slope of the curb along the flared edge of the ramp shall be parallel to the curb, not be parallel to the centerline of the ramp.
- Slope of ramp shall be uniform from a maximum of 9.0% at curb to conform in Case E and Case F.
- The curb ramp shall be cut with a 1'-0" wide border with 1/8" grooves approximately 1/8" on center. See grooving detail.
- Transitions from ramps and landing to walks, gutters or streets shall be flush to the lips and free of abrupt changes.
- Counter slopes of adjoining gutters and road surfaces immediately adjacent to curb ramp shall not be steeper than 1:20 (5.0%). Gutter pan slope shall not exceed 1" of depth for each 2'-0" of width.
- Curb ramps shall have a detectable warning surface that extends the full width and 3'-0" depth of the ramp. A 4'-0" wide detectable warning surface may be used on a 4'-2" wide curb ramp. Detectable warning surface shall conform to the requirements in the Standard Specifications.
- The edge of the detectable warning surface nearest the street shall be between 6" and 8" from the gutter flange.
- Sidewalk and ramp thickness, "T", shall be 3 1/2" minimum.
- Utility pull boxes, manholes, vaults and oil other utility facilities within the boundaries of the curb ramp will be relocated or curb ramp construction.
- Detectable warning surface may have to be cut to allow removal of sidewalk curbs while maintaining full detectable warning width and depth.



2.5\"/>

RAISED TRUNCATED DOME PATTERN (IN-LINE)
 DETECTABLE WARNING SURFACE

See Note 10

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
 CURB RAMP DETAILS
 NO SCALE

RSP A88A DATED MARCH 21, 2014 SUPERSEDES RSP A88A DATED JULY 19, 2013 AND STANDARD PLAN A88A DATED MAY 20, 2011 - PAGE 121 OF THE STANDARD PLANS BOOK DATED 2010.

REVISED STANDARD PLAN RSP A88A

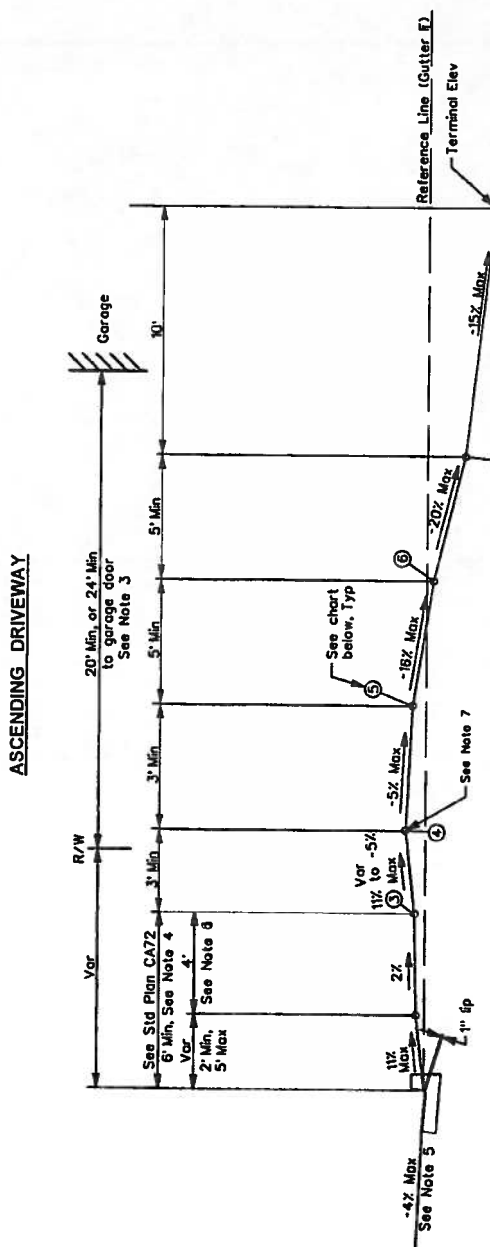
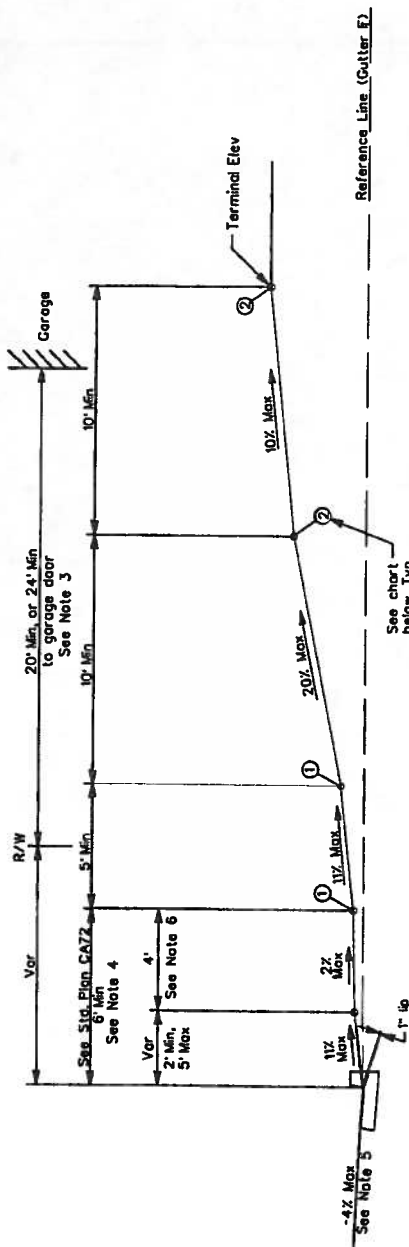
**CONTRA COSTA COUNTY
STANDARD PLANS**

STD. PLAN CA20

JULIA R. BUEREN
 PROFESSIONAL ENGINEER
 LICENSE NO. 37937
 CIVIL ENGINEERING
 STATE OF CALIFORNIA

Julia R. Bueren
 PUBLIC WORKS DIRECTOR
 March 11, 2004
 PLANS APPROVAL DATE

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- NOTES:**
- Car dimensions were obtained from the 1991 edition of "Parking Dimensions," Motor Vehicle Manufacturers Association. This design and construction aid is based on the most unfavorable dimensions of cars listed. For unique or oversized cars, a special design is required.
 - For maximum grade breaks at numbered points, see chart on this plan. Wherever possible grades should be as flat as possible.
 - 20' minimum allowed if garage has sectional door(s). Otherwise, 24' minimum to garage.
 - See Standard Plan CA72 for driveway ramp details.
 - If pavement cross slope exceeds 4%, a modified driveway profile shall be used with the slope of the driveway ramp reduced such that the difference in slope of the driveway ramp and the slope at a line between the gutter and a point on the roadway from gutter line shall not exceed 15%. Reduce driveway ramp slope, not the gutter slope. Other dimensions shall be modified as approved by the Public Works Department.
 - If the Public Works Department determines that no sidewalk will ever be constructed, this 4' segment of 2% may be deleted.
 - If (3) is not a minimum of 0.5' above reference line, the grade at (3) shall be a minimum of 0.5' above reference line. Exceptions to this requirement are subject to the approval of the Public Works Department.

GRADE BREAK CHART

| ⑥ | Max Grade Break |
|---|-----------------|
| 1 | 9% |
| 2 | 10% |
| 3 | 9% |
| 4 | 16% |
| 5 | 11% |
| 6 | 9% |
| 7 | 10% |
| 8 | 15% |

COUNTY OF CONTRA COSTA
 PUBLIC WORKS DEPARTMENT
 MARTINEZ, CALIFORNIA
 STANDARD PLAN


DRIVEWAY PROFILE DESIGN STANDARDS

SCALE: NO SCALE
 DATE: 3/14
 DRAWN BY: H. HUSSEY
 CHECKED BY: M. HELMSWORTH

PLAN NO. **CA20**

| NO. | DATE | REVISION DESCRIPTION |
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STD. PLAN CA40



 ASHA R. BIEREN

 No. 37937

 CIVIL

 STATE OF CALIFORNIA

PUBLIC WORKS DIRECTOR

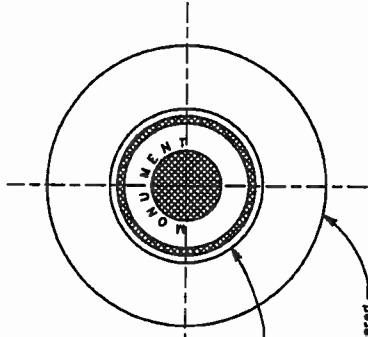
 March 11, 2011

 PLANS APPROVAL DATE

The County of Contra Costa or its officers or agents

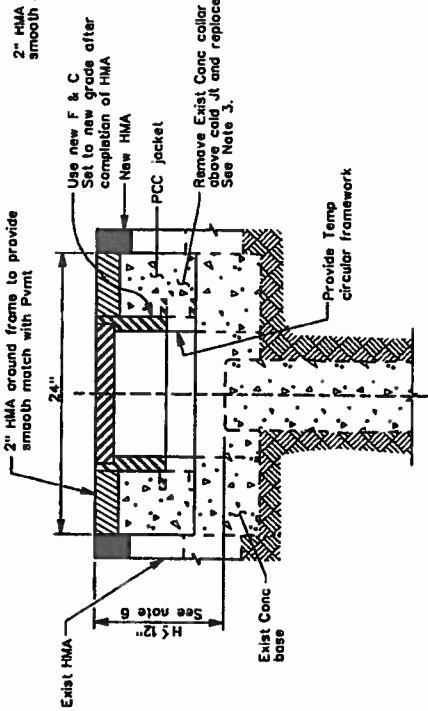
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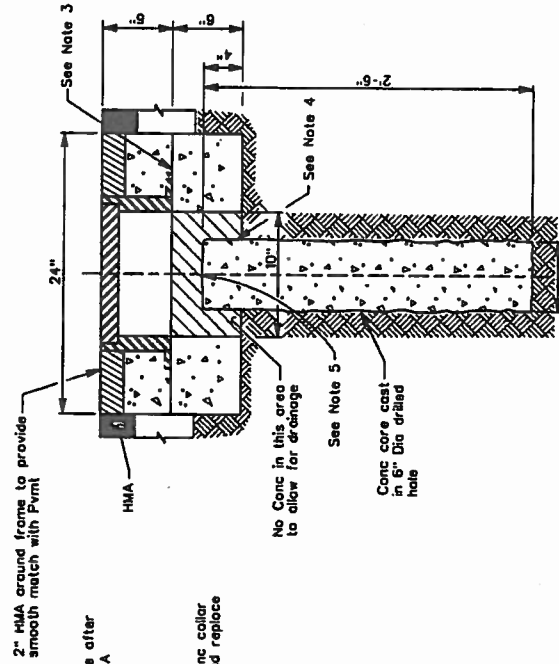


Metal cover and frame (Schematic only) - See Note 2.

24" Dia PCC jacket covered with 2" of HMA - See Note 1



FRAME ADJUSTMENT DETAIL



NEW INSTALLATION DETAIL

NOTES:

- Concrete for jacket and core shall contain not less than 550 lbs of cementitious material per cubic yard, 1/2" maximum aggregate grading, in conformance with Section 90, "Concrete", of the California Department of Transportation's Standard specifications.
- Approved covers and frames are those manufactured by Chap Co. Casting, Part No. 9277N or 9279 or approved equivalent. Covers shall be marked "Monument" shall be non-rocking and designed for a 15000 lb. wheel load.
- 30" felt or 1/4" layer of sand to create a "cold joint".
- 6" diameter collar formed with 30" felt or non-metallic form tube (may be left in place).
- Solid brass marker (2" to 2 1/2" diameter lap and 2" minimum shank) with distinctive punch and R.E. or L.S. number.
- When "4" exceeds 12", a complete reconstruction of monument is required.

COUNTY OF CONTRA COSTA

 PUBLIC WORKS DEPARTMENT

 MARTINEZ, CALIFORNIA

 STANDARD PLAN

STREET SURVEY MONUMENT

SCALE: NO. SCALE DATE: 3/11

 DRAWN BY: L. COSTA PLAN NO. CA40

 CHECKED BY: R. Ziemmer

| NO. | DATE | REVISION DESCRIPTION |
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STD. PLAN CA71

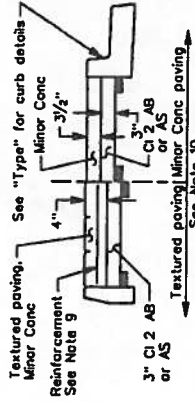
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RECEIVED: _____

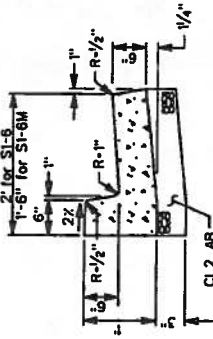
PLANS APPROVAL DATE: _____

PUBLIC WORKS DIRECTOR: _____

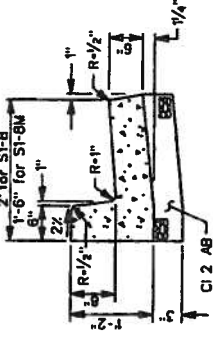
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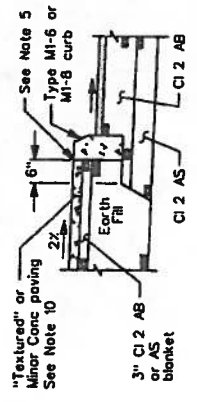
TYPICAL MEDIAN PAVING DETAIL



TYPE S1-6 & S1-6M



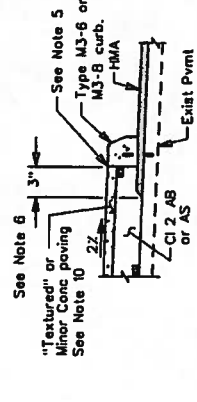
TYPE S1-8 & S1-8M



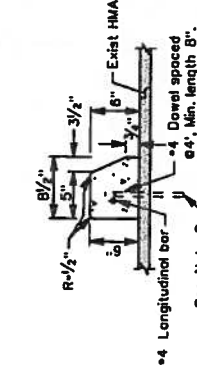
TYPE A TRAFFIC MEDIAN
Half Section



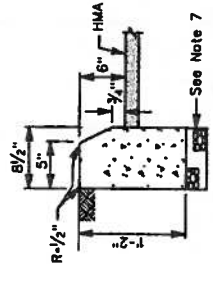
TYPE B TRAFFIC MEDIAN
Half Section



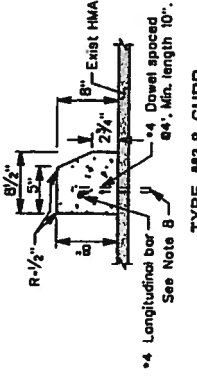
TYPE C TRAFFIC MEDIAN
Half Section



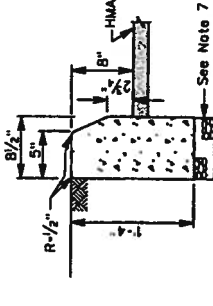
TYPE M3-6 CURB
See Note 6



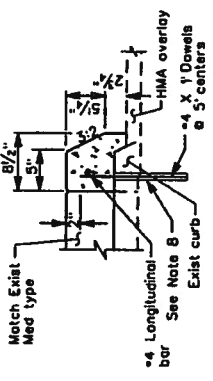
TYPE M1-6 CURB
See Note 7



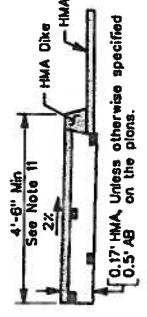
TYPE M3-8 CURB



TYPE M1-8 CURB
See Note 7



MODIFIED TYPE M3-8 CURB



HMA PATH WITH HMA DIKE

NOTES:

- Minor Concrete in conformance with Section 90-2, "Minor Concrete" of the California Department of Transportation's Standard Specifications containing no less than 505 lb. per cubic yard of cementitious material shall be used for all concrete construction detailed on this plan.
- Weakened plane joints shall be provided at 10' intervals on all curbs. See Standard Plan CA70, "Detail B".
- All new curb where it conforms to existing facilities shall be detailed as per Standard Plan CA74.
- When the street slopes away from the curb, the gutter slope shall match the cross slope of the street.
Paving of the gutter lip shall conform to Standard Plan CA70 Detail A, except that where the street slopes away from the curb, the paving shall match the gutter lip.
- Curb may be constructed monolithically with the median paving, in which case a weakened plane joint conforming to Standard Plan CA70 Detail B shall be provided along the back of the curb. Type M3 curb shall be used only when placed on an existing or overlaid pavement.
- A 3" minimum compacted layer of Class 2 aggregate base or subbase shall be placed under Type M1 curb, unless noted otherwise on the plans.
- Place dowels in 1" diameter drilled hole filled with t1 sand grout. Onst dowels when curb is extruded.
- Reinforcement shall be #4 bars at 18" OC each way or 6" x 6", 8" x 8", 10 gage welded wire fabric.
- Median paving may be "textured" as approved by the Public Works Department.
- Width of HMA path shall be a minimum of 4'-6" measured from top face of curb or dike.

COUNTY OF CONTRA COSTA
PUBLIC WORKS DEPARTMENT
MARTINEZ, CALIFORNIA
STANDARD PLAN

**MEDIAN, CURB AND HMA DIKE
DETAILS**

SCALE: NO SCALE
DATE: 3/14

DRAWN BY: H. RUSSEY
CHECKED BY: M. HOLLINGSWORTH

PLAN NO. **CA71**

| NO. | DATE | REVISION DESCRIPTION |
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[Signature]

APPROVAL

PLANS APPROVAL DATE March 11, 2014

PROJECT NO. 37837

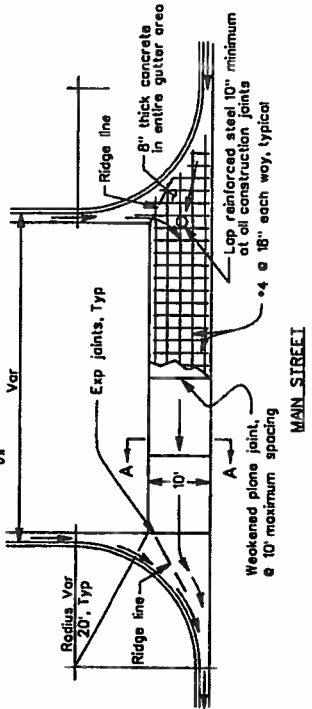
DATE OF CIVIL

ENGINEER MARIA R. BARRON

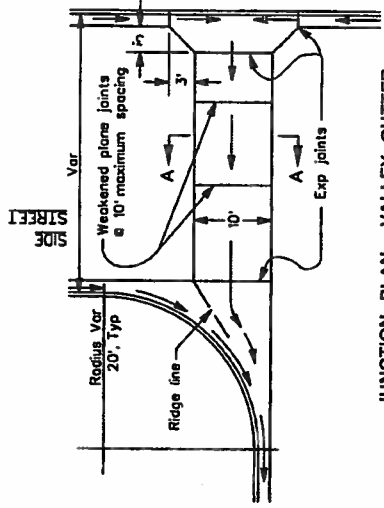
REGISTERED PROFESSIONAL ENGINEER

STATE OF CALIFORNIA

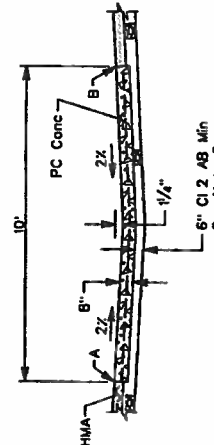
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TYPICAL PLAN - VALLEY GUTTER



JUNCTION PLAN - VALLEY GUTTER



Points A & B shall be at the same Elev.

SECTION A-A

NOTES:

1. Valley gutters shall only be used on local roads or roads with a low volume of traffic as approved by the Public Works Department.
2. Concrete to be used for all construction shown on this plan and shall contain a minimum of 590 lbs per cubic yard of cementitious material, a minimum aggregate grading in conformance with Section 90, "Concrete", of the California Department of Transportation Standard Specifications.
3. If total pavement structural section thickness of side street exceeds 14", aggregate base thickness shall be increased to match total side street pavement structural section thickness.
4. For weakened plane joint and expansion joint details, see details on Standard Plan CA70.

COUNTY OF CONTRA COSTA
PUBLIC WORKS DEPARTMENT
MARTINEZ, CALIFORNIA

STANDARD PLAN

**CONCRETE VALLEY GUTTER
DETAILS**

SCALE: NO. SCALE DATE: 3/14

DRAWN BY: H. HUSSEY PLAN NO. CA73

CHECKED BY: M. HOLLINGSWORTH

| NO. | DATE | REVISION DESCRIPTION | BY |
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JULIA R. BUEREN

 No. 37937

 CIVIL

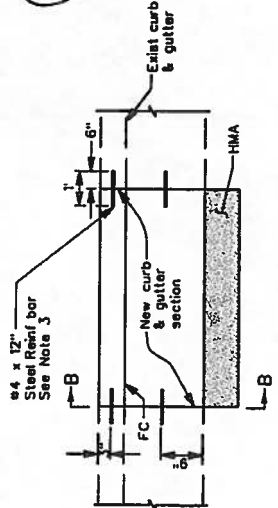
 STATE OF CALIFORNIA

Public Works Director

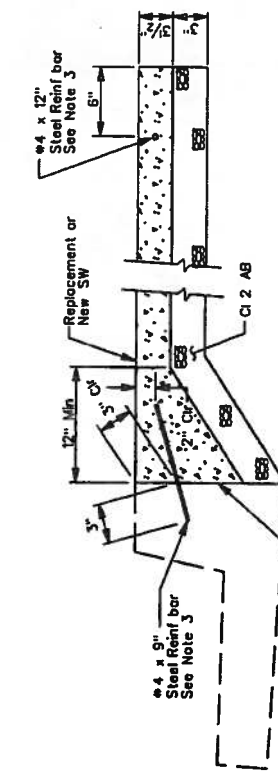
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 PLANS APPROVAL DATE

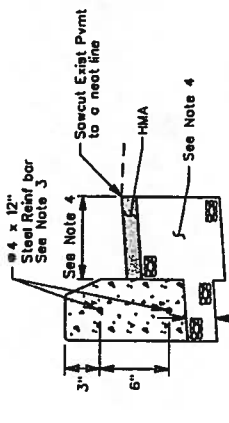
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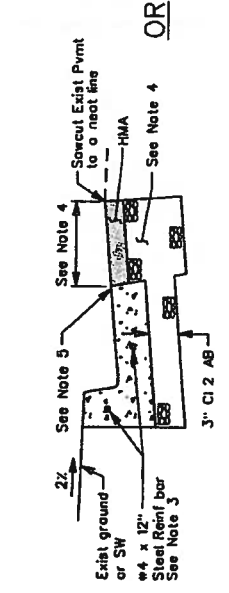
SECTION A-A
DOWELING LOCATION FOR NEW CURB CONFORMING TO EXISTING CURB



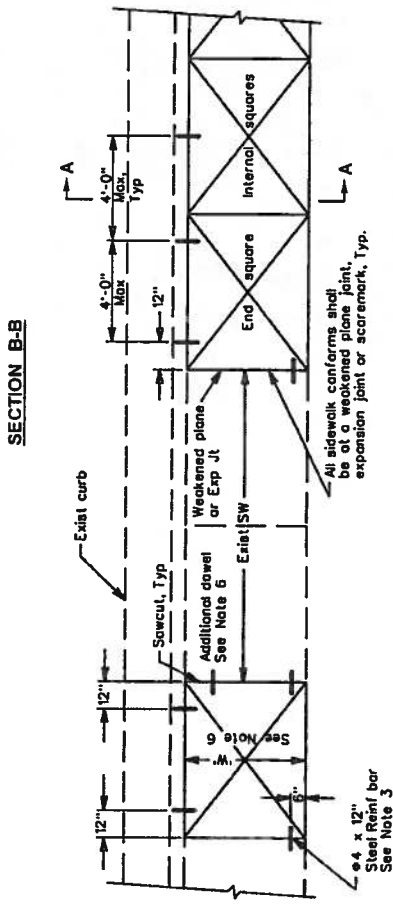
SECTION B-B
LOCATIONS FOR REPLACEMENT SIDEWALK



TYPE M CURB



TYPE S1 CURB



SECTION B-B

NOTES:

1. All curb, gutter, and sidewalk shall conform to Standard Plans CA70 and CA71.
2. Concrete sidewalk removed for replacement construction shall be sawcut to a neat line at the nearest weakened plane joint, expansion joint or screemark.
3. Dowels shall be placed in a 3/4" diameter drilled hole filled with 1:1 sand cement grout.
4. When replacing existing curb on existing alignment and grade, sawcut existing pavement 6" from gutter lip for face of curb for Type 'B' curb replacement). Remove existing HMA and base to minimum 6" depth, compact subgrade and replace with full depth HMA. If placing new curb, sawcut pavement minimum of 12" inside existing edge of pavement, EP, unless otherwise directed on project plans. New pavement structural section shall be 0.5' HMA, 0.0' AB minimum unless otherwise specified on the plans or as required by the Public Works Department.
5. Paving at the gutter lip shall conform to Detail A of Standard Plan CA70. When the street slopes away from the curb, the paving shall match the gutter lip.
6. If W>S add additional doweling, 4' maximum spacing between dowels.

COUNTY OF CONTRA COSTA
 PUBLIC WORKS DEPARTMENT
 MARTINEZ, CALIFORNIA
 STANDARD PLAN

DOWELING DETAILS FOR CURB AND SIDEWALK

SCALE: NO SCALE
 DATE: 3/14
 DRAWN BY: H. HUSSEY
 CHECKED BY: M. HOLLINGSWORTH

PLAN NO. **CA74**

| NO. | DATE | REVISION DESCRIPTION |
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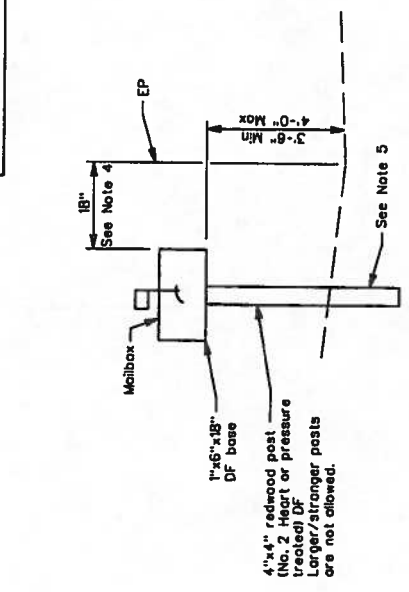
REPLACEMENT OF TWO OR MORE SQUARES

REPLACEMENT OF ONE SQUARE

LOCATIONS FOR REPLACEMENT SIDEWALK

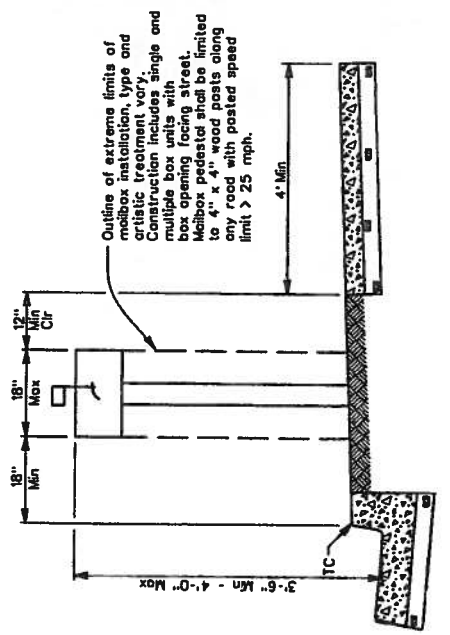
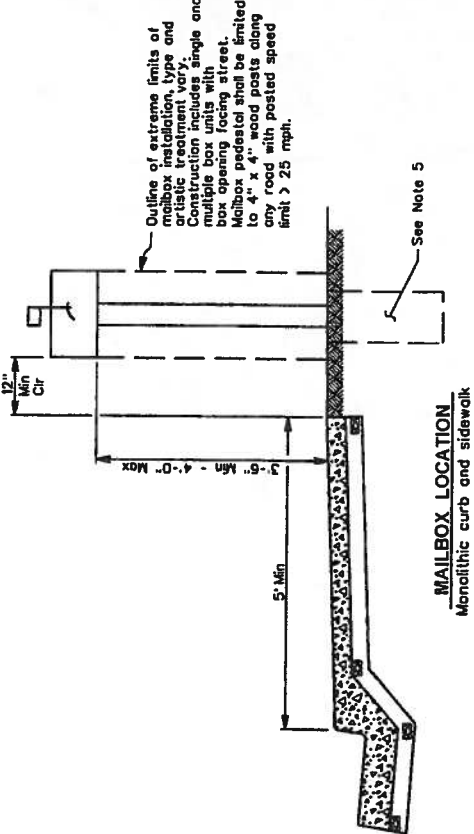
Julia R. Bueren
 PUBLIC WORKS DIRECTOR
 March 11, 2014
 PLANS APPROVAL DATE
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REGISTERED PROFESSIONAL ENGINEER
 JULIA R. BUEREN
 No. 37937
 CIVIL
 STATE OF CALIFORNIA



RURAL MAILBOX DETAIL

- NOTES:**
- Distances are established by Postal regulations and may vary depending on jurisdiction. Check with local Post Office for current regulations.
 - Encroachment permit is required if mailbox is to be installed in existing sidewalk, or if installation requires modification of dimensions shown on this plan.
 - See Standard Plan CA70 & CA71 for sidewalk and curb details.
 - Where AC dike or curb is placed at edge of pavement, the minimum distance is measured from the face of curb or dike.
 - Post depth shall be as required to adequately support mailbox to be installed. Minimum 2' depth with compacted soil backfill, no PCC backfill.



COUNTY OF CONTRA COSTA
 PUBLIC WORKS DEPARTMENT
 MARTINEZ, CALIFORNIA
 STANDARD PLAN

MAILBOX DETAILS

SCALE: NO SCALE
 DATE: 3/14
 DRAWN BY: H. HUSSEY
 CHECKED BY: M. HOLLINGSWORTH

NO. DATE REVISION DESCRIPTION BY

PLAN NO. CA90

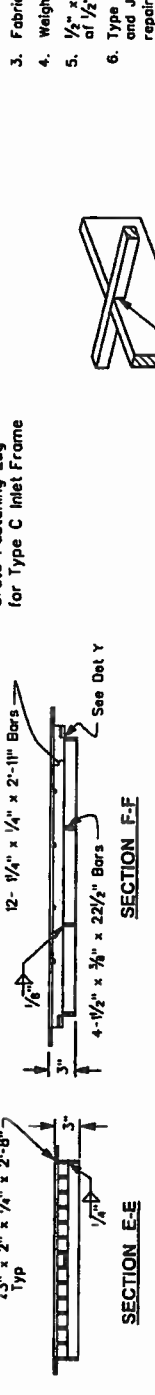
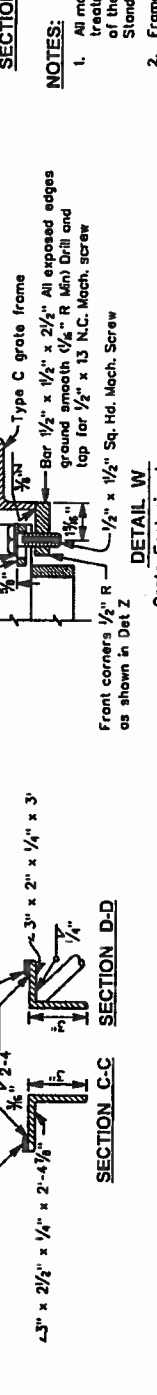
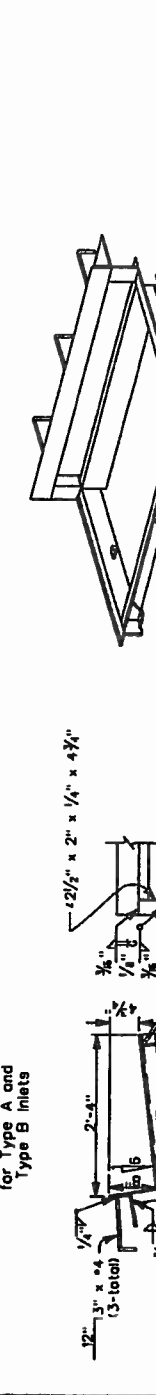
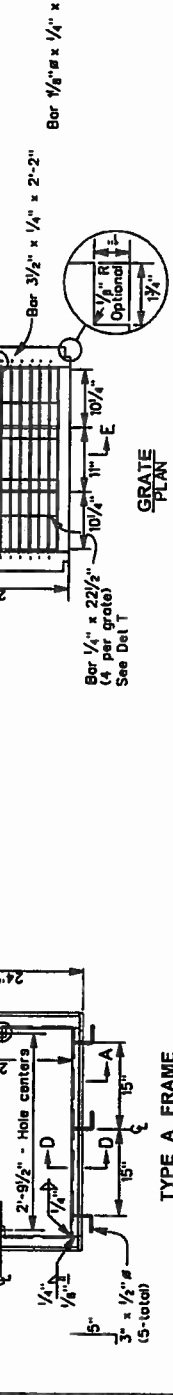
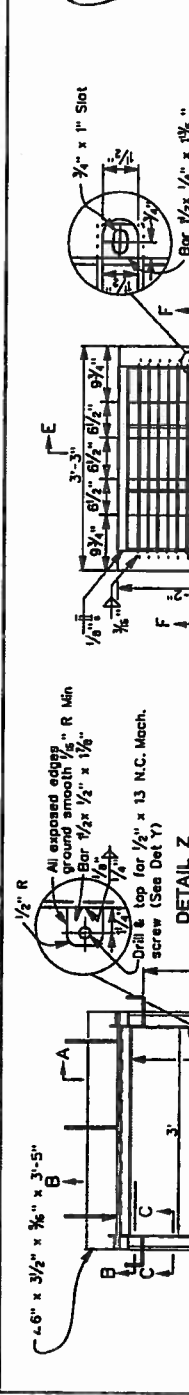
RECEIVED
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REGISTERED
ENGINEER
BLAIR R. BIEREN
CIVIL
37937

APPROVAL DATE
APPROVAL DATE

PLANS APPROVAL DATE

Public Works Section
CONTRA COSTA COUNTY

The County of Contra Costa, at the office of the engineer or engineer-in-charge, hereby certifies that the above is a true and correct copy of the plans as filed for record.



NOTES:

- All materials, fabrication, galvanizing, and surface treatment shall be in accordance with Sections 75 and 95 of the California Department of Transportation's Standard Specifications.
- Frames and covers shall fit together without rocking.
- Fabricator shall supply fastening screws with frames.
- Weights: Type A grate frame 88 lbs., Grate 88 lbs..
- 1/2" x 5/4" Nelson-Type studs may be used in lieu of 1/2" x 5" x 3" anchors.
- Type A, B and C inlets have been replaced with Type G, H and J inlets respectively. These details are to be used for repair and maintenance of existing inlets, no new construction.

DETAIL T

DETAIL Y
 Grate Fastening Lug
 for Inlet Frame

DETAIL Z
 Grate Fastening Lug
 for Type C Inlet Frame

COUNTY OF CONTRA COSTA
PUBLIC WORKS DEPARTMENT
 MARTINEZ, CALIFORNIA

STANDARD PLAN

TYPE A, B & C
INLET FRAMES AND GRATES

(NO. NEW CONSTRUCTION, SEE NOTE 6)

SCALE: NO. SCALE DATE: 3/14

DRAWN BY: H. MUSSEY

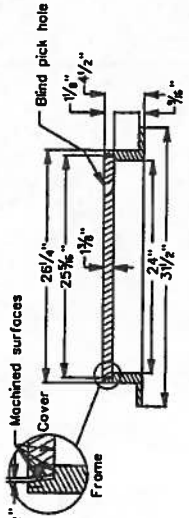
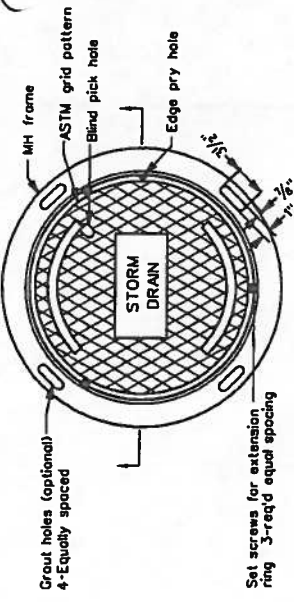
CHECKED BY: R. HOLLINGSWORTH

PLAN NO. **CD11**

| NO. | DATE | REVISION DESCRIPTION | BY |
|-----|------|----------------------|----|
| | | | |
| | | | |
| | | | |
| | | | |



Delia R. Bieren
 PUBLIC WORKS DIRECTOR
 March 11, 2014
 PLANS APPROVAL DATE
 The County of Contra Costa or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

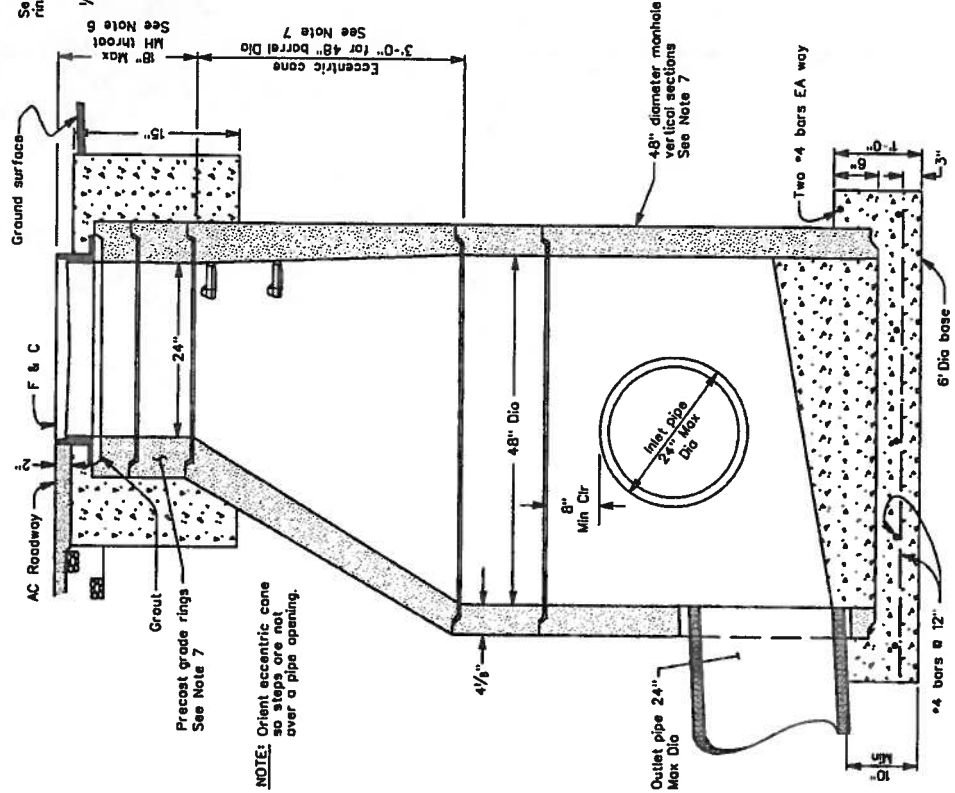
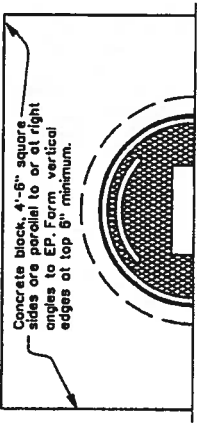


TYPICAL FRAME AND COVER DETAIL

TYPICAL CAST IRON EXTENSION RING

NOTES:

1. For General Manhole Notes and Details, see Standard Plan CD35.
2. All concrete joints shall be cleaned, wetted, and mortared prior to setting next section. Joints shall then be pitched, troweled, and brushed smooth.
3. Frame and extension rings must be secured by concrete block, unless approved otherwise by the Public Works Department.
4. Manhole cover frame shall be adjusted to conform to grade and cross slope of pavement.
5. Manhole frame and cover shall be Phoenix Iron (Oakland) Model P-1090 or South Bay Foundry No. 1900 CPH or approved equivalent.
6. Use of precast grade rings are limited by 18" maximum manhole throat length. Cast iron extension rings are allowed for conformance to pavement overlays only.
7. The precast components shall conform to the Central Precast U.S. Concrete Precast Group, Northern California) Drawing Nos. 20-48C, 20-48V and 20-48 EC, or equivalent.



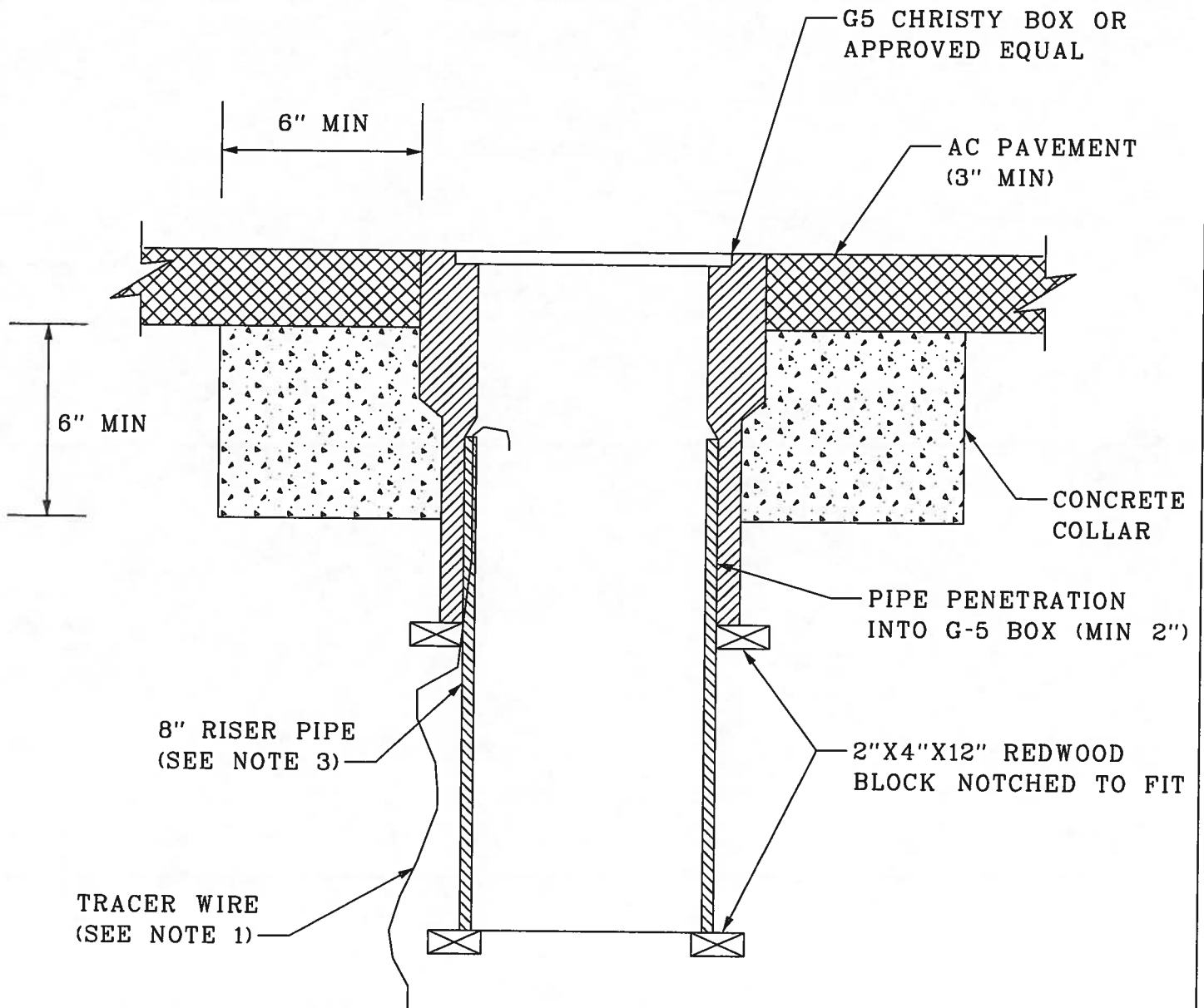
NOTE: Orient eccentric cone so steps are not over a pipe opening.

PRECAST MANHOLE WITH TYPE I BASE

COUNTY OF CONTRA COSTA
 PUBLIC WORKS DEPARTMENT
 MARTINEZ, CALIFORNIA
 STANDARD PLAN
**PRECAST MANHOLE,
 TYPE I BASE
 FRAME & COVER**
 SCALE: NO SCALE
 DRAWN BY: H. HUSSEY
 CHECKED BY: M. KILGUSWORTH
 DATE: 3/14
 PLAN NO
CD30

| NO | DATE | REVISION DESCRIPTION |
|----|------|----------------------|
| | | |
| | | |
| | | |
| | | |

VALVE BOX



NOTES:

1. AC PAVEMENT TO COMPLY WITH STREET PAVEMENT REQUIREMENTS
2. FOR VALVE BOXES INSTALLED IN NON TRAFFIC AREAS, CONCRETE COLLAR SHALL BE EXTENDED TO FINISH GRADE AND SLOPED TO DRAIN AWAY FROM LID.
3. RISER PIPE TO BE ONE CONTINUOUS PIECE, APPROVED PVC CLASS 150, 200 OR STEEL PIPE WITH A MIN 10 GA WALL THICKNESS
4. IF TRACER WIRE IS OF SUFFICIENT LENGTH RE-ROUTE AS SHOWN

| |
|---|
| G5 |
| VALVE BOX WITH CAST IRON TRAFFIC LID |
| NTS |

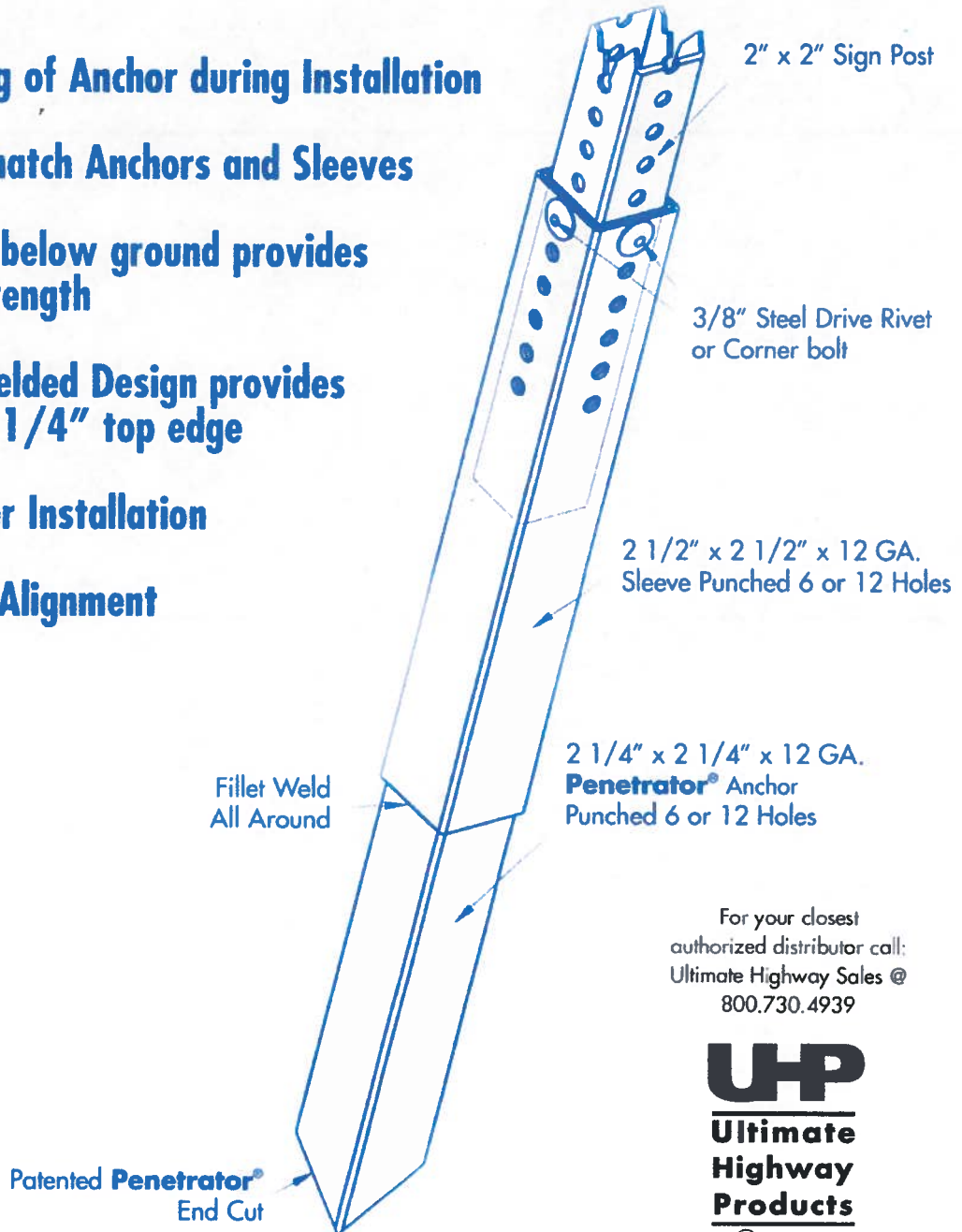
SIGN POST & ACCESSORIES

The Anchor-Mate[®]

The Best Drivable Anchor in the World!

by **Uti-Mate**[®]
The Ultimate Sign Support System

- No Deforming of Anchor during Installation
- No need to match Anchors and Sleeves
- Solid section below ground provides additional strength
- Two Piece Welded Design provides almost a full 1/4" top edge
- Quicker Easier Installation
- Perfect Hole Alignment



For your closest authorized distributor call:
Ultimate Highway Sales @
800.730.4939

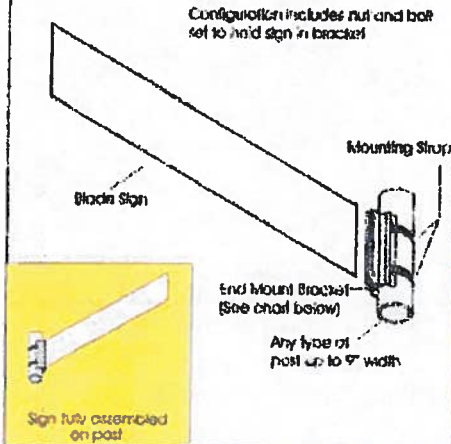
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Ultimate Highway Products
PRIMUS company

www.primus-group.com
nclvi@comcast.net

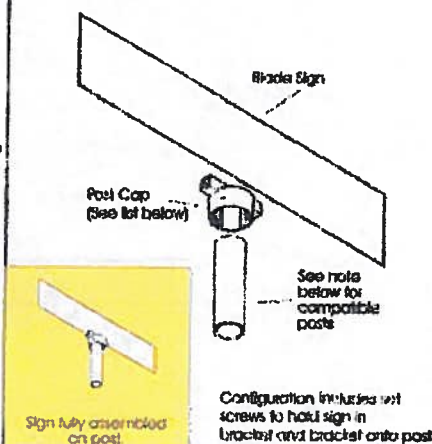
STREET SIGNS

MOUNTING COMPONENTS FOR BLADE SIGNS (EXTRUDED & FLAT)

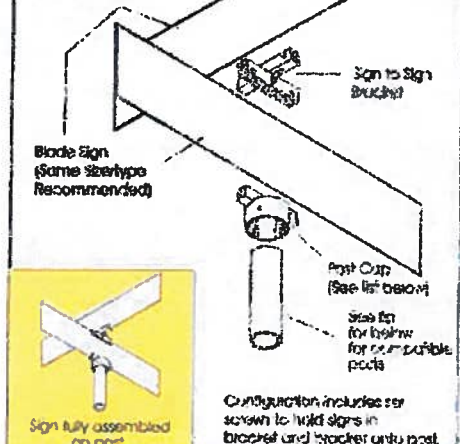
Configuration: End Mounted



Configuration: Single Top of Pole



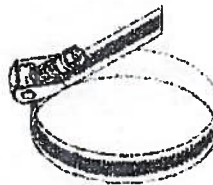
Configuration: Four-Way Top of Pole



END MOUNT BRACKET

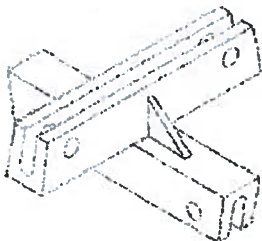
Blade street signs can be held on their ends with this bracket.

EMB-6 for AX-6 or AF-6 signs
EMB-6.75 for AX-6.75 or AF-6.75 signs
EMB-9 for AX-9 or AF-9 signs



MOUNTING STRAP

Stainless Steel Strap/Clamp - inexpensive and convenient for mounting sign brackets and other uses. With a length of 32 inches, the clamp can accommodate poles up to 9 inches wide.






SIGN TO SIGN BRACKET

Bracket allows two blade signs to be stack on top of one another.

707XCS for AX-6 or AX-6.75 signs
808XCS for AX-9 signs
606FCS for AF-6 or AF-6.75 signs
808FCS for AF-9 signs

POST CAPS AND POST INFORMATION

Post caps are recommended for "Single Top of Pole" or "Four-Way Top of Pole" configurations of blade street signs. Western Highway supplies post caps for the most common street sign posts. Use the following chart to see if your posts are compatible with our regularly available post caps.

| | | |
|---|---|---|
|  Cylindrical Post Cap | Fits 2" ID Diameter Post 707X-2 for AX-6 or AX-6.75 808X-2 for AX-9 signs 606F-2 for AF-6 or AF-6.75 signs 808F-2 for AF-9 signs | Fits 2-1/2" ID Diameter Post 707X-2.5 for AX-6 or AX-6.75 808X-2.5 for AX-9 signs 606F-2.5 for AF-6 or AF-6.75 signs 808F-2.5 for AF-9 signs |
|  Square Post Cap | Fits Square Tube Post 850X for AX-6, AX-6.75 or AX-9 signs 850F for AF-6, AF-6.75 or AF-9 signs | <p>Other post caps are available. Please call us to confirm inventory.</p> |
|  U-Channel Post Cap | Fits U-Channel Post 707XU for AX-6 or AX-6.75 signs 808XU for AX-9 signs 606FU for AF-6 or AF-6.75 signs 808FU for AF-9 signs | |



www.westernhighway.com



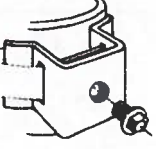
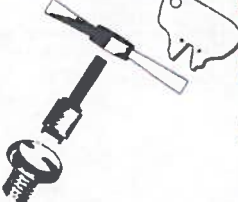
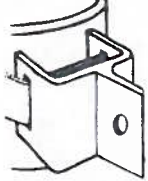
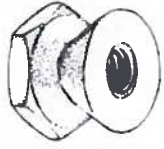
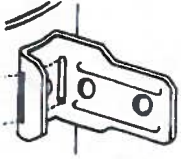





WESTERN HIGHWAY PRODUCTS

10650 FERN AVENUE • STANTON, CA 90680 • FAX 714 952-2118

CALL 714 761-4811 OR 800 479-3783

(WITHIN CALIFORNIA)

SIGN MOUNTING HARDWARE

| | | |
|---|---|---|
|  | <p>H1-SL STRAP-ON BRACKET (Straight Leg) Extra Heavy 1/8" Steel, Hot dipped galv with 5/16" tapped hole. Slotted for 3/4" Strap. Mounting Bolt not included.</p> <p>H1-SLSS STAINLESS STEEL BRACKET Includes Mounting Bolt.</p> |  <p>H6-STB SEAL-TITE BOLT 5/16" X 1/2" bolt with Neoprene washer for mounting Signs with tapped brackets or pipe.</p> |
|  | <p>H2-FL STRAP-ON BRACKET (Flared Leg) For banding to large poles. Extra Heavy 1/8" Steel, Hot dipped galv with 5/16" tapped hole. Slotted for 3/4" Strap.</p> <p>H2-FLSS STAINLESS STEEL BRACKET Includes Mounting Bolt.</p> |  <p>H6-TPBKEY KEY WRENCH For tamper proof bolt.</p> <p>H6-TPDR RACKET DRIVER For tamper proof bolt.</p> <p>H6-TP TAMPER PROOF BOLT 5/16" X 1/2" special spinner head bolt. Use same as H6-STB bolt.</p> |
|  | <p>H3-CLB STRAP-ON BRACKET CANTILEVER Heavy Gauge Aluminum Use one for each sign hole. For mounting double face Signs - slotted for 3/4" strap and punched for 5/16" bolts.</p> |  <p>H6-VGNG For Galv. Bolt H6-VGNP For Plated Bolt VANDL-GARD-NUT Tamper Proof Nut for Sign Mounting. Call Western Highway for information on this unique, easily installed nut that cuts sign losses.</p> |
|  | <p>H4-D-007 STRAP-ON L-MOUNT BRKT. Stainless Steel Double holes for mounting long signs. May be used back to back in pairs for extra rigid cantilever mounting. Slotted for 3/4" Strap.</p> |  <p>H6-2.5 BG 2 1/2" - Galv. H6-2.5 BP 2 1/2" - Plated BUTTON THEFT PROOF BOLT When this button head bolt is used with nut H6-VGN above, theft is almost impossible. 5/16" Diameter. Available in both galvanized and plated.</p>  <p>H6-4.5 CB 4 1/2" Plated Carriage Bolt includes adaptor washer. Washer can be sold as separate item.</p> <p>ADAPTOR WASHER CARRIAGE BOLT</p> |
|  | <p>H5 BOLT-ON SPACER Galv. Channel Iron 1 1/2" x 1 1/2" x 1/8" Provides flat mounting surface when bolting sign to any size pipe to prevent wobble.</p> |  <p>H6-23 SIGN MTG. HDWR. For U Channel Posts. Aluminum spacer 3 1/2" x 2 1/2", 5/16" x 2 1/2" Bolt, Washer and Nut.</p>  <p>H6-24 GUIDE PLATE MTG. HDWR. 1/4 X 1/2" Bolt, Washer and Lock Nut (6 sets reqd. per Guide Marker).</p> |

SIGN MOUNTING HARDWARE



HWSSC
STAINLESS STEEL-CLAMP
 Inexpensive and convenient for mounting sign brackets and other uses. 32" long fits 2" to 9" diameter pipe pole.



H14-C130
3/4" STRAPPING TAPE
 .015 Stainless Steel
 200 Ft. Roll.



H9-2
H9-2.5
CLAMP ON U-BRACKETS
 (Single Bracket)
 Includes steel zinc coated U bolt with nuts and cast aluminum bracket. Sign fastening bolt not included.
 (Use H6-STB or H6-TP)
 Fits 2" and 2 1/2" I.D. standard pipe. Eliminates strapping or drilling holes.

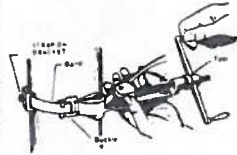
H14-C163
3/4" STRAPPING TAPE
 .020 Stainless Steel
 200 Ft. Roll.



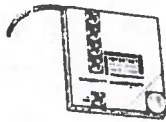
H14-C156
VALUE CLIP
 100 per Box.



H10-1 (3/16 x 1 x 36")
SIGN BRACE (Galv.)
 To fit 4 x 4 posts
H10-2 (3/16 x 1 x 37 1/4")
 To fit 4 x 6 posts
H10-4.5HG
HEX HEAD BRACE BOLT
 5/16 x 4 1/2" includes nut & washer
H10-5.5HG
HEX HEAD BRACE BOLT
 5/16 x 6 1/2" includes nut & washer
H10-8.5HG
HEX HEAD BRACE BOLT
 5/16 x 8 1/2" includes nut & washer



H18-C001
BANDING TOOL
 For use with any size Banding or Strapping Tape.



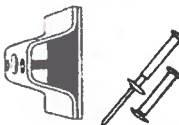
H11-C203 3/8"
H11-C204 1/2"
H11-C205 5/8"
H11-C206 3/4"
HEAVY DUTY BANDING TAPE
 .030 Stainless Steel 100 Ft. Roll.



H19-HP2
HAND PLIER RIVETING TOOL
 For self-setting rivets. Complete with 4 size Heads - 3/32, 1/8, 5/32, 3/16.



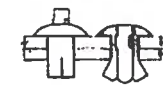
H20-AB66A
3/16" SELF-SETTING RIVETS
 For fastening C.M. Refl. Buttons with Hand Plier. 100 per Box.



H20-18
1/4" x 7/8" POP RIVET
 100 per Box.



H16-C253 3/8"
H16-C254 1/2"
H16-C255 5/8"
H16-C256 3/4"
HEAVY DUTY BUCKLES
 Stainless Steel 100 per Box.




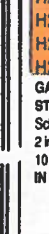



H20-26
CHERRY-MATE FASTENER
 1/4" X 1 3/8" POP RIVETS
 A convenient way to mount signs on the H21-SP sign posts. 100 per Box.

H20-316 3/16" x 9/16"
DRIVE RIVETS
 For fastening C.M. Refl. Buttons with Hammer.

H20-38 3/8" x 1 1/2"
 For sign mounting. 100 per box.

SIGN POST

| | | | |
|---|--|---|---|
|  <p>H21-DP DELINEATOR POSTS HOT DIPPED GALVANIZED OR BAKED ENAMEL GREEN 5 ft. 6 ft. 1.12 #ft 30 - 3/8" holes on 1" centers. Light weight but strong. Ideal for Delineators, or marking utility lines.</p> |  <p>H21-GP 5 ft., 6 ft. GUIDE POSTS (FOR MTG. TARGET PLATES) H21-GP 40 inch (for mtg. Type "K" Plates) California Spec. Flanges slotted ends pointed.</p> | <p>PIPE POST</p>   <p>H21-RP2-12 H21-RP2.5-12 H21-RP2 H21-RP2.5 GALVANIZED STEEL PIPE POSTS Schedule 40 steel pipe 2 inch and 2 1/2 inch I.D. 10 1/2 ft. and 12 ft. long IN STOCK</p> | <p>"U" CHANNEL POSTS HOT DIPPED GALVANIZED OR BAKED ENAMEL GREEN</p>  <p>H21-SP SIGN POSTS 6 ft. 7 ft. 8 ft. 9 ft. 10 ft. 11 ft. 12 ft. 2 lb. per foot <small>(Other lengths on special order) Hot rolled, high carbon, roll steel, 3/8" holes punched on 1" centers, full length. Bottom pointed. High carbon steel is recommended because it resists bending. Meets & exceeds California State specifications.</small></p> |
|---|--|---|---|

Ulti-Mate[®]

The Ultimate Sign Support System



**DIRECT
INSTALLATION**
The Ulti-mate sign post can be
installed directly into the ground
using power equipment or a
sledgehammer with drive cap.



**EZ
INSTALLATION**
The Ulti-mate 12 gage anchor
system allows crews to work at
ground level for fast installations
and replacements. The Ulti-mate
anchor is installed directly into
the ground, leaving 1 or 2 holes
above grade level. The Ulti-mate
sign post slides into the anchor
for safe and easy installations.


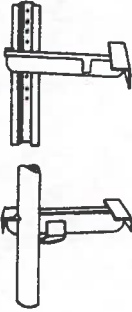











**HI-IMPACT
INSTALLATION**
The Ulti-mate double 12 gage
system is for areas that require
frequent replacements due to
damaged sign posts. This unique
method utilizes a two-piece
breakaway anchor that makes
replacement work fast and safe.

| English | | | | Metric | | |
|-------------|----------------|--------|--------------------|---------------|----------------|------------------------|
| Tube Size | Wall Thickness | | Pounds Per Foot | Tube Size | Wall Thickness | |
| | Gage | Inches | | | (mm) | Kilograms Per Meter |
| 1.75 x 1.75 | 14 | 0.083 | 1.71 | 44.45 x 44.45 | 2.10 | 2.54 |
| 2.00 x 2.00 | 14 | 0.083 | 1.99 | 50.80 x 50.80 | 2.10 | 2.96 |
| 2.25 x 2.25 | 14 | 0.083 | 2.28 | 57.15 x 57.15 | 2.10 | 3.39 |
| 1.50 x 1.50 | 12 | 0.105 | 1.74 | 38.10 x 38.10 | 2.66 | 2.59 |
| 1.75 x 1.75 | 12 | 0.105 | 2.09 | 44.45 x 44.45 | 2.66 | 3.11 |
| 2.00 x 2.00 | 12 | 0.105 | 2.44 | 50.80 x 50.80 | 2.66 | 3.63 |
| 2.25 x 2.25 | 12 | 0.105 | 2.79 | 57.15 x 57.15 | 2.66 | 4.16 |
| 2.50 x 2.50 | 12 | 0.105 | 3.14 | 63.50 x 63.50 | 2.66 | 4.69 |

See Separate Literature

SIGN POST ACCESSORIES

| | | |
|--|--|---|
|  <p>H25-4A DETACHABLE POST PULLER ONLY (any shape post) Must be used with Jack.</p> <p>H25-7 POST PULLER JACK ONLY Includes Base & Handle</p> |  <p>H25-6 Self Locking U-Post Step</p> <p>H25-6A Self Locking 2" Pipe Step</p> |  <p>H25-8 POST DRIVER For Driving U Channel Sign Posts. 38 lb.</p> |
|  <p>H26-SP 1 1/2" x 48 PIPE ONLY Painted Black</p> <p>Use H5 Spacer and H6:2.5 Bolts for mounting signs to above.</p> |  <p>H26-20B 20 lb. Base Only</p> <p>H26-30B 30 lb. Base Only</p> <p>H26-40B 40 lb. Base Only</p> <p>5/16" flat steel plate base. Painted black.</p> |  <p>ULTI-MATE STOP</p> <p>TO BE USED FOR TEMPORARY TRAFFIC CONTROL SITUATIONS.</p> <p>See separate literature for complete information.</p> |
|  <p>H21-SPDC MANUAL DRIVE CAP For U-Channel.</p>  <p>H21-SPPDC POWER DRIVE CAP & 7/8" SHANK For U-Channel.</p> <p>UM-MDC175 MANUAL DRIVE CAP For 1 3/4" anchor posts.</p> <p>UM-MDC200 MANUAL DRIVE CAP For 2" anchor posts.</p> <p>UM-MDC225 MANUAL DRIVE CAP For 2 1/4" anchor posts.</p> <p>UM-MDC250 MANUAL DRIVE CAP For 2 1/2" anchor posts.</p> |  <p>UM-PDCS7/8-325 POWER DRIVE SHANK 7/8" x 3 1/4"</p> <p>UM-PDCS7/8-425 POWER DRIVE SHANK 7/8" x 4 1/4"</p> <p>UM-PDCS1-425 POWER DRIVE SHANK 1" x 4 1/4"</p> <p>UM-PDCS1 1/8-6 POWER DRIVE SHANK 1 1/8" x 6"</p> <p>UM-PDCS1 1/4-6 POWER DRIVE SHANK 1 1/4" x 6"</p>  |  <p>STREET NAME SIGN HARDWARE</p> <p>WE MANUFACTURE A COMPLETE LINE OF STREET NAME SIGN MOUNTING HARDWARE. LOOK FOR IT IN THE STREET NAME SIGN SECTION OF YOUR WESTERN HIGHWAY PRODUCTS CATALOG.</p> |

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