

CITY OF LA PALMA
Public Works Department
7822 Walker Street
La Palma, California 90623-1771

CITY COUNCIL
Steve Shanahan, Mayor
Peter Kim, Mayor Pro Tem
G. Henry Charoen, Councilmember
Gerard Goedhart, Councilmember
Steve Hwangbo, Councilmember

CITY MANAGER
Ellen Volmert

COMMUNITY SERVICES DIRECTOR
Michael S. Belknap



BID DOCUMENTS AND SPECIFICATIONS
FOR
PAVEMENT REHABILITATION
OF
RESIDENTIAL STREETS
WITH
ASPHALT RUBBER OVERLAY (ARHM)

CITY PROJECT NO. ST-337

SEPTEMBER, 2014

CITY OF LA PALMA
PAVEMENT REHABILITATION
OF
RESIDENTIAL STREETS
WITH
ASPHALT RUBBER OVERLAY (ARHM)

CITY PROJECT NO. ST-337

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CITY OF LA PALMA
NOTICE INVITING SEALED BIDS
FOR
PAVEMENT REHABILITATION
OF
RESIDENTIAL STREETS
WITH
ASPHALT RUBBER OVERLAY (ARHM)

CITY PROJECT NO. ST-337

RECEIPT OF PROPOSALS: Sealed proposals will be received at the office of the City Engineer, City Hall, La Palma, California, until **10:30a.m. on Tuesday, September 30, 2014,** for furnishing of all labor, materials and equipment for the **Pavement Rehabilitation of Residential Streets with Asphalt Rubber Overlay (ARHM), City Project No. ST-337,** (the "Project").

The proposal shall be submitted to the City Engineer, City of La Palma, 7821 Walker Street, La Palma, California 90623-1771, in a sealed envelope plainly marked on the outside **"BID: Pavement Rehabilitation of Residential Streets with Asphalt Rubber Overlay (ARHM), City Project No. ST-337, to be opened on Tuesday, September 30, 2014, at 10:30 a.m."**

The proposals will be publicly opened and read aloud in the office of the City Engineer at the aforementioned time on the aforementioned date. Any proposals received after the aforementioned time on the aforementioned date shall be returned unopened.

DESCRIPTION OF WORK: The Project will include the removal and replacement of AC, cold planning full width and 5' wide from edge of gutter, placing 1.5" of ARHM, adjusting utility valves and manholes to grade and pavement striping, markers and markings per these plans and specifications.

COMPLETION OF WORK: All work to be done under this contract shall be completed within **forty-five (45) consecutive working days**, consecutive working days, beginning on the date stipulated in the written Notice to Proceed issued by the City Engineer.

OBTAINING PLANS AND SPECIFICATIONS: Plans, Specifications, and any project addenda are available for download on the city's website, www.cityoflapalma.org. All prospective bidders are responsible for checking the City's website for the issuance of any project addenda prior to the bid opening for inclusion as part of the bid proposal. For project information, please contact the office of the City Engineer at (714) 690-3310.

BONDS: Pursuant to the Instructions to Bidders, each proposal shall be accompanied by cash or by a cashier's or certified check or by a bid bond in the amount of **ten percent (10%)** of the amount of the bid price payable to the City of La Palma as a guarantee that the bidder, if his or her proposal is accepted, will promptly execute the contract, secure payment of workers' compensation insurance and furnish a satisfactory **faithful performance bond** in the amount of **one hundred percent (100%)** of the total bid price and a **labor and material bond** in the amount of **one hundred percent (100%)** of the total bid price.

SUBSTITUTION OF SECURITIES: The Contractor may substitute securities for any monies withheld by the City to ensure performance under the contract in compliance with the requirements of Public Contract Code Section 22300 and the "Substitution of Securities" provisions of the General Provisions.

WAGE RATES: Pursuant to applicable provisions of the Labor Code of the State of California and Federal Wage Rates, not less than the general prevailing rate of per diem wages including legal holidays, and overtime work for each craft or type of worker needed to execute the work contemplated under the contract shall be paid to all workers employed on the work to be done according to this contract by the Contractor or any subcontractor and shall be deemed to include employer payments for health and welfare, pension, vacation and similar purposes. The City Engineer has on file the prevailing rate of per diem wages and will furnish the same to any interested party on request. A copy of the prevailing rate of per diem wages must be posted at each job site.

SHEETING, SHORING AND BRACING: Pursuant to the provisions of Labor Code section 6707, each proposal requiring trenching or open excavations five (5) feet or deeper submitted in response to this Notice Inviting Sealed Bids shall contain, as a bid item, adequate sheeting, shoring, and bracing, or equivalent method, for the protection of life and limb in trenches and open excavation, which shall conform to applicable safety orders."

CONTRACTOR'S LICENSE: At the time of award of the contract, **the prime contractor must have a valid California State Contractor's License with a Classification of "A"**. Pursuant to Business and Professions Code section 7059, the City will not award a contract to a specialty contractor whose classification constitutes less than a majority of the project.

EQUAL OPPORTUNITY: The City hereby notifies all bidders that it will affirmatively insure that in any contract entered into pursuant to this advertisement, minority business enterprises will be afforded full opportunity to submit bids in response to this invitation and will not be discriminated against on the grounds of sex, race, color, or national origin in consideration for an award.

CITY'S RIGHTS RESERVED: The City of La Palma reserves the right to reject any and all proposals or bids, including the bid of a bidder who has been delinquent or unfaithful in any former contract with the City of La Palma, or to waive any irregularities or informalities in any bids or in the bidding, should it deem this necessary for the public good. No bidder may withdraw his or her bid for a period of sixty (60) days after the date from the opening thereof.

DATED: 9/12/14

CITY OF LA PALMA, CALIFORNIA

By: 
Michael S. Belknap
Community Services Director

CITY OF LA PALMA
INSTRUCTIONS TO BIDDERS
PAVEMENT REHABILITATION
OF
RESIDENTIAL STREETS
WITH
ASPHALT RUBBER OVERLAY (ARHM)
CITY PROJECT NO. ST-337

CONTRACT DOCUMENTS: The Contract Documents consist of the Notice Inviting Sealed Bids; Information for Bidders; Summary and Bid Schedule; Firm Identification; List of Subcontractors; Equipment/Material Source Information; Noncollusion Declaration to be Executed by Bidder and Submitted with Bid; Bid Bond; Contractor's License Declaration; Firm's Experience; Firm's References; Agreement; Faithful Performance Bond; Labor and Materials Bond; Escrow Agreement for Security Deposits in Lieu of Retention; General Provisions; Special Provisions and Technical Specifications; Plans and Specifications; and any Addenda issued prior to the submittal of the Bid. Also included shall be any and all Change Orders or supplemental written agreements approved as required by these Contract Documents amending the scope or cost or extending the time of completion of the Work contemplated and which may be required to complete the Work in a substantial and acceptable manner.

FORM OF PROPOSAL: All proposals under these Contract Documents shall be submitted on the blank forms, which may be obtained at the office of the City Engineer of the City of La Palma, 7822 Walker Street, La Palma, California 90623.

DELIVERY OF PROPOSALS: The proposal shall be delivered by the time and to the place stipulated in the Notice Inviting Sealed Bids. It is the bidder's sole responsibility to see that his or her proposal is received in proper time. Any proposal received after the scheduled closing time for receipt of proposals will be returned to the bidder unopened. Bidders or their authorized agents are invited to be present.

MODIFICATIONS AND ALTERNATIVE PROPOSALS: Unauthorized conditions, limitations, or provisos attached to a proposal will render it informal and may cause its rejection. The complete proposal forms shall be without interlineations, alterations or erasures, unless each such correction is suitably authenticated by affixing in the margin immediately opposite the correction the surname or surnames of the person or persons signing the bid. Alternative proposals will not be considered unless called for. No oral, telegraphic or telephonic proposals or modifications will be considered.

WITHDRAWAL OF PROPOSAL: The proposal may be withdrawn upon request by the bidder without prejudice to himself prior to, but not after, the time fixed for opening of bids, provided that the request is in writing, has been executed by the bidder or his or her duly authorized representative and is filed with the City Engineer. No proposal may be withdrawn during the period of sixty (60) days after the opening of proposals.

PROPOSAL GUARANTEE: Each proposal shall be accompanied by cash or by a cashier's or certified check or by a bid bond in the amount of ten percent (10%) of the amount of the bid price payable to the City of La Palma as a guarantee that the bidder, if his or her proposal is accepted, will promptly execute the contract, secure payment of workers' compensation insurance and furnish a satisfactory faithful performance bond in the amount of one hundred percent (100%) of the total bid price and a labor and material bond in the amount of one hundred percent (100%) of the total bid price. The bidder whose proposal is accepted must enter into a contract within fifteen (15) days after written notice of the award and furnish the necessary bonds and insurance as hereinafter provided. In case of refusal or failure to enter into said contract, the cash, check or bond, as the case may be, shall be forfeited to the City. No bidder's bond will be accepted unless it conforms substantially to the form furnished by the City, which is bound herein, and is properly filled out and executed.

DISCREPANCIES IN PROPOSALS: In case of discrepancy between words and figures, the words shall prevail. If the amounts bid on individual items (if called for) do not in fact add up to the total amount shown by the bidder, the correctly added total of the individual items shall prevail over the total figure shown by the bidder if there is a discrepancy between these figures. The estimated quantities and amount are for the purpose of comparison of bids only.

COMPETENCY OF BIDDERS: In selecting the lowest responsible bidder, consideration will be given not only to the financial standing but also to the general competency of the bidder for the performance of the work covered by the proposal. To this end, each proposal shall be supported by a statement of the bidder's experience on the form entitled "Information Required of Bidder" bound herein. No proposal for this work will be accepted from a Contractor who is not licensed in accordance with the laws of the State of California under applicable provisions of the Business and Professions Code. The licensing requirements for Contractors shall apply also to subcontractors.

BIDDER'S EXAMINATION OF SITE: Each bidder shall examine carefully the site of the proposed work and the Contract Documents therefore. It will be assumed that the bidder has investigated and is satisfied as to the conditions to be encountered; as to the character, quality and quantity of materials to be furnished; and as to the requirements of the Contract Documents, specifications, and drawings. The name of the individual who examined the site of the work and the date of such examination shall be stated in the form entitled "Information Required of Bidder" in the space provided therefore.

DISQUALIFICATION OF BIDDERS: More than one proposal from an individual, firm partnership, corporation, or association under the same or different names will not be considered. Reasonable grounds for believing that any bidder is interested in more than one proposal for the work contemplated will cause the rejection of all proposals in which such bidder is interested. If there is reason for believing that collusion exists among the bidders, all bids will be rejected and none of the participants in such collusion will be considered in future proposals.

RETURN OF PROPOSAL GUARANTEES: Within **ten (10) days** after award of the contract, the City will return the proposal guarantees accompanying such of the proposals as are not considered in making the award. All other proposal guarantees will be held until

the contract has been finally executed. They will then be returned to the respective bidders whose proposals they accompany.

AWARD OF CONTRACT: Bids will be compared on the basis of the lowest possible cost and the contract, if awarded, will be awarded to a responsible bidder whose proposal complies with the requirements of these Contract Documents. The award, if made, will be made within sixty (60) days after the opening of the proposals, provided that the award may be made after said period if the successful bidder shall not have given the City written notice of the withdrawal of his or her bid.

EXECUTION OF CONTRACT: The bidder to whom award is made shall execute a written contract with the City on the Agreement provided in the Contract Documents, and shall secure all insurance and bonds as herein provided within **fifteen (15) days** from the date of written notice of the award. Failure or refusal to enter into a contract as herein provided, or to conform to any of the stipulated requirements in connection therewith shall be just cause for the annulment of the award and the forfeiture of the proposal guarantee. If the successful bidder refuses or fails to execute the contract, the City may award the contract to the second lowest responsible bidder. If the second lowest responsible bidder refuses or fails to execute the contract, the City may award the contract to the third lowest responsible bidder. On the failure or refusal of such second or third lowest bidder to execute the contract, such bidder's guarantee shall be likewise forfeited to the City. The work may then be re-advertised.

INSURANCE AND BONDS: The Contractor shall comply with the insurance requirements in the General Provisions which are incorporated herein by this reference. The Contractor shall not commence work under the contract until he or she has secured all insurance and bonds required under the Contract Documents, nor shall the Contractor allow any subcontractor to commence work on a subcontract until all similar insurance required of the subcontractor has been obtained. All insurance issued in compliance with this section shall be issued in the form, and by an insurer or insurers, satisfactory to and first approved by the City in writing.

The Contractor shall maintain adequate workers' compensation insurance under the laws of the State of California for all labor employed by him or her or by any subcontractor under him or her who may come within the protection of such workers' compensation insurance laws. At the time of execution of the contract, the Contractor shall provide the certificate regarding workers' compensation insurance as indicated in Page I-1 of these Contract Documents.

The Contractor shall secure with a responsible corporate surety or corporate sureties, satisfactory bonds guaranteeing faithful performance by the Contractor of all requirements under these Contract Documents and upon the payment of claims of material, persons and laborers thereunder. The **faithful performance bond** shall be in the sum of not less than **one hundred percent (100%)** of the estimated aggregate amount of the payments to be made under the contract computed on the basis of the prices stated in the proposal. The labor and material bond shall be in the sum of not less than one hundred percent (100%) of the estimated aggregate amount of the payments to be made under the contract computed on the basis of the prices stated in the proposal. No bond will be accepted unless it conforms substantially to the forms furnished by the City, which are bound herein,

and is properly filled out and executed.

EVIDENCE OF RESPONSIBILITY: Upon the request of the City, a bidder whose bid is under consideration for the award of the contract shall submit promptly to the City satisfactory evidence showing the bidder's financial resources, his or her construction experience and his or her organization and plant facilities available for the performance of the contract

LISTING OF SUBCONTRACTORS: Each bidder shall submit a list of the proposed subcontractors on this Project as required by the Subletting and Subcontracting Fair Practices Act (Public Contract Code Section 4100 and following). The form entitled "Information Required of Bidders" shall be used for this purpose.

WAGE RATES: The Contractor and/or subcontractor shall pay wages at rates not less than those adopted pursuant to the Labor Code of the State of California as indicated in the "Notice Inviting Sealed Bids."

SAFETY PERMIT: The City will not perform safety inspections for this Project. Particular attention is called to Subsection 7-10.4.1 of the Standard Specifications for Public Works Construction, latest edition plus any supplements at the time of execution of these Contract Documents, published by BNi Publications, Inc., 1612 S. Clementine Street, Anaheim, California 92802 (hereafter referred to as the "Standard Specifications") which is incorporated herein by this reference. The Contractor shall have at the work site copies or suitable extracts of Construction Safety Orders, Tunnel Safety Orders (if applicable to the Project), and General Industry Safety Orders issued by the State Division of Industrial Safety.

OTHER PERMITS, FEES, AND LICENSES: The Contractor shall, prior to the start of construction, obtain a "Construction Permit" from the City of La Palma's Engineering Department, said permit being a **"no-fee" permit**.

In addition to the requirements above noted, the Contractor and all subcontractors shall possess a valid **City of La Palma Business License** at the time of application for the Construction Permit and for the duration of the contract.

PROPOSAL FORM

FIRM
NAME: _____

ADDRESS: _____

TELEPHONE: _____

**FOR
PAVEMENT REHABILITATION
OF
RESIDENTIAL STREETS
WITH
ASPHALT RUBBER OVERLAY (ARHM)
CITY PROJECT NO. ST-337
FOR
CITY OF LA PALMA
LA PALMA, CALIFORNIA**

(One copy shall be completed and submitted as the bid;
the other shall be the bidder's file copy.)

**PROPOSAL
FOR
PAVEMENT REHABILITATION
OF
RESIDENTIAL STREETS
WITH
ASPHALT RUBBER OVERLAY (ARHM)
CITY PROJECT NO. ST-337**

TO THE HONORABLE MAYOR AND CITY COUNCIL OF THE CITY OF LA PALMA:

In compliance with the Notice Inviting Sealed Bids, the undersigned hereby proposes and agrees to perform all the work and improvements therein described, and to furnish all labor and materials, equipment and incident insurance necessary therefor, in accordance with the plans and specifications therefor, known as "**Pavement Rehabilitation of Residential Streets with Asphalt Rubber Overlay (ARHM), City Project No. ST-337**" which are on file in the office of the City Engineer of the City of La Palma; and the undersigned agrees to perform the work and improvements therein mentioned to the satisfaction of and under the supervision of the City Engineer of the City of La Palma, duly appointed for said work in the matter of "**Pavement Rehabilitation of Residential Streets with Asphalt Rubber Overlay (ARHM), City Project No. ST-337**" on file in the office of the City Engineer of the City of La Palma, and further agrees to enter into a contract therefor in the time, form and manner provided by law at the following prices, to wit:

BID ITEM NO.	QUANTITY	ITEMS WITH UNIT PRICE WRITTEN IN WORDS	UNIT PRICE (FIGURE)	TOTAL PRICE (FIGURES)
1.	Lump Sum 1	Mobilization, Traffic Control, including changeable message boards, and BMP Maintenance at: _____ (Words) Per Lump Sum	 \$	 \$
2.	L.F. 25,000	Cold-Plane Existing Pavement, 5' Wide with Various Depths 1.5" at: _____ (Words) Per Linear Foot	 \$	 \$
3.	Tons 4,110	Place Rubberized Asphalt Hot-Mix (ARHM) Overlay 1.5" deep at: _____ (Words) Per Ton	 \$	 \$

BID ITEM NO.	QUANTITY	ITEMS WITH UNIT PRICE WRITTEN IN WORDS	UNIT PRICE (FIGURE)	TOTAL PRICE (FIGURES)
4.	EA. 80	Adjust Water Valves to grade at: _____ _____ (Words) Per Each	\$ _____	\$ _____
5.	EA. 57	Adjust Manholes to grade at: _____ _____ (Words) Per Each	\$ _____	\$ _____
6.	Lump Sum 1	Paint / Thermoplastic Traffic Striping & Pavement Marking, and Install Raised Pavement Markers at: _____ _____ (Words) Per Lump Sum	\$ _____	\$ _____
7.	EA. 3	Install Caltrans Type "E" Loop Detector [Includes Reconnecting Loop Detector Homeruns] at: _____ _____ (Words) Per Each	\$ _____	\$ _____
BASE BID TOTAL FOR ITEMS #1 THROUGH # 7 IN WORDS: _____ _____			BASE BID TOTAL FOR ITEMS # 1 THROUGH # 7 IN NUMBERS: \$ _____	

Attached is a bidder's bond, certified check, or cashier's check No. _____ of the _____ Bank, for

_____ Dollars (\$ _____), payable to the City of La Palma, California, which is not less than ten percent (10%) of this bid, and which is given as a guarantee that the undersigned will enter into the contract, if awarded to the undersigned. The undersigned further agrees that in case of default in executing the required contract with the necessary bonds, within the time limits above specified, said bond or check and the money payable therein shall be forfeited to and become the property of the City of La Palma, California. The City Council of the City of La Palma reserves the right to reject any and all bids. The undersigned further agrees, in case of award, to the execution of the contract for the within described work and improvements, within fifteen (15) days following written notice of award of contract. All work to be done under this contract shall be completed within the time period set forth in the Notice Inviting Sealed Bids. The bid is submitted in response to the Notice Inviting Sealed Bids attached hereto, and pursuant to all of the proceedings of the City Council of the City of La Palma heretofore had and taken to date. The names of all persons, firms and corporations interested in the foregoing Proposal as principals are as follows:

The undersigned are prepared to satisfy the City Council of the City of La Palma of their ability, financially or otherwise, to perform the contract for the proposed work and improvements in accordance with the plans and specifications set forth.

NOW, THEREFORE, in compliance with the Contract Documents and all the provisions stipulated therein, the undersigned, with full cognizance thereof, proposes to perform the entire Project for the prices set forth hereinbefore.

Dated: _____

Signature of Authorized Officer

Print Name

Title

Firm Name

Firm Address

**CITY OF LA PALMA
BID BOND
FOR
PAVEMENT REHABILITATION
OF
RESIDENTIAL STREETS
WITH
ASPHALT RUBBER OVERLAY (ARHM)
CITY PROJECT NO. ST-337**

KNOW ALL PERSONS BY THESE PRESENTS that we _____
_____ as PRINCIPAL (hereinafter referred
to as "Bidder"), and _____ as
SURETY, are held and firmly bound unto the CITY OF LA PALMA, CALIFORNIA,
(hereafter referred to as the "City") in the penal sum of _____
_____ Dollars (\$ _____) (which is
ten percent (10%) of the total amount bid by Bidder to City for the above stated Project)
lawful money of the United States of America, for the payment of which sum, well and
truly to be made, we bind ourselves, our heirs, executors, administrators and
successors, jointly and severally, firmly by these presents.

THE CONDITIONS OF THIS OBLIGATION ARE SUCH that, whereas Bidder has
submitted a bid to City to perform all work required under the Contract Documents for
the above stated Project, if said Bidder is awarded a contract by said City and within the
time and in the manner required under the heading "Instructions to Bidders," bound with
said Contract Documents, enters into a written contract on the form of "Agreement,"
bound with said Contract Documents, and furnishes the required bonds, to guarantee
faithful performance and payment of labor and material, and furnishes certificates as
evidence of required insurance coverage, then this obligation shall be null and void;
otherwise this obligation shall remain in full force and effect and shall be forfeited to the
City. In the event suit is brought upon this bond by said City and judgment is recovered,
said Surety shall pay all costs incurred by said City in such suit, including reasonable
attorney fees to be fixed by the Court.

WITNESS our hands this _____ day of _____, 20____.

(seal)
BIDDER

(seal)
SURETY

By: _____
(Name and Title)

By: _____
(Name and Title)

(Mailing address of BIDDER)

(Mailing address of SURETY)

(NOTARIAL ACKNOWLEDGMENT
OF BIDDER)

(NOTARIAL ACKNOWLEDGMENT
OF SURETY)

INFORMATION REQUIRED OF BIDDER

The bidder is required to supply the following information. Additional sheets may be attached if necessary.

1. Address _____

2. Telephone _____

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

4. Corporation organized under the laws of the State of _____

5. Contractor's License No., Class & Expiration Date:

6. List the names and addresses of all members of the firm or name and titles of all officers of the corporation:

7. Number of years experience as a contractor in construction work _____

8. List at least three projects, including comparable work to this project, completed recently:

Contract Amount	Class of Work	Date Completed	Name, Contract and Address of Owner

9. List the name of the person who inspected the site of the proposed work for your firm:

Date of Inspection _____

10. If requested by City, the bidder shall furnish a notarized financial statement, financial data or other information and reference sufficiently comprehensive to permit an appraisal of his or her current financial condition.

11. List the name and address of each subcontractor who will perform work in or about the work or improvement and indicate what part of the work will be done by each such subcontractor.

Name _____ License No. & Class _____

Address _____

Work to be performed _____

Name _____ License No. & Class _____

Address _____

Work to be performed _____

Name _____ License No. & Class _____

Address _____

Work to be performed _____

Name _____ License No. & Class _____

Address _____

Work to be performed _____

Name _____ License No. & Class _____

Address _____

Work to be performed _____

Dated: _____

Signature of Authorized Officer

Print Name

Title

Firm Name

Firm Address

CONTRACTOR'S LICENSE DECLARATION

The undersigned declares that he or she is _____ (title) of _____ (firm), the party making the foregoing Bid (hereinafter, the "Bidder").

1. Bidder's Contractors License Number is as follows: _____.
2. Bidder's Contractors License Class is as follows: _____.
3. The expiration date of Bidder's Contractor's License is _____, 20__.
4. Bidder acknowledges that Section 7028.15(e) of the Business and Professions Code provides as follows:

"Unless one of the foregoing exceptions applies, a bid submitted to a public agency by a contractor who is not licensed in accordance with this chapter shall be considered nonresponsive and shall be rejected by the public agency. Unless one of the foregoing exceptions applies, a local public agency shall, before awarding a contract or issuing a purchase order, verify that the contractor was properly licensed when the contractor submitted the bid."

The undersigned declares under penalty of perjury that the foregoing is true and correct.

Executed on _____, 20__, at _____ (insert city and state where declaration signed).

Signature

Print Name

**NONCOLLUSION DECLARATION TO BE EXECUTED
BY
BIDDER AND SUBMITTED WITH BID**

The undersigned declares:

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

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

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

Name: _____

Title: _____

Signature: _____

(NOTARIAL ACKNOWLEDGMENT)

AGREEMENT

THIS AGREEMENT, made and entered into this ____ day of _____, 20____, by and between the CITY OF LA PALMA, CALIFORNIA, hereinafter referred to as the "City," and _____, hereinafter referred to as the "Contractor".

WITNESSETH: That the parties hereto do mutually agree as follows:

ARTICLE I: For and in consideration of the payments and agreements hereinafter mentioned to be made and performed by said City, said Contractor agrees with said City to construct the work under the City's specification entitled "**Pavement Rehabilitation of Residential Streets with Asphalt Rubber Overlay (ARHM), City Project No. ST-337**" and to perform and complete in a good and workmanlike manner all the work pertaining thereto shown on the drawings and described in the specifications thereof, to furnish at his or her own proper cost and expense all tools, equipment, labor and materials necessary thereof, except such material and equipment as in said specifications are expressly stipulated to be furnished by said City, and to do everything required by this Agreement and the said Specifications and Drawings.

ARTICLE II: For furnishing all said materials and labor, furnishing and removing all plant, temporary works or structures, tools and equipment and doing all the work contemplated and embraced in this Agreement, also for all loss and damage arising out of the nature of the work aforesaid, or from the action of the elements, or from any unforeseen difficulties which may arise from or be encountered in the prosecution of the work until its acceptance by said City, and for all risks of every description connected with the work; also for all expenses incurred by or in consequence of the suspension or discontinuance of work, except such as in the said specifications are expressly stipulated to be borne by said City, and for well and faithfully completing the work the whole thereof, in the manner shown and described in the said Specifications and Drawings and in accordance with the requirements of the City Engineer, said City will pay and said Contractor shall receive in full compensation thereof the prices named in the Bidding Sheets of the Proposal hereto attached.

ARTICLE III: No work, services, material or equipment shall be performed or furnished under this Agreement unless and until a Notice to Proceed has been given to the Contractor by the City, and all bonds and certificates of insurance have been furnished to, and approved by, the City.

ARTICLE IV: All work to be done under this contract shall be completed within the time period set forth in the Notice Inviting Sealed Bids, beginning on the date stipulated in the written Notice to Proceed issued by the City Engineer.

ARTICLE V: The City hereby promises and agrees with said Contractor to employ and does hereby employ said Contractor to do the work according to the terms and conditions herein contained and referred to for the price aforesaid, and hereby contracts to pay the same, at the time, in the manner and upon the conditions set forth in this Agreement; and the said parties for themselves, their heirs, executors, administrators, successors and assigns, do hereby agree to the full performance of the covenants herein contained.

ARTICLE VI: The Contract Documents consist of the Notice Inviting Sealed Bids, the Instructions to Bidders, the Proposal, the Bid Bond, the Information Required of Bidders, this Agreement, the Faithful Performance Bond, the Labor and Material Bond, the Workers' Compensation Certificate, the General Provisions, the Special Provisions, the Technical Provisions, the Specifications and the Drawings mentioned therein, and all addenda issued by the City with respect to the foregoing prior to the opening of bids. Each and every Contract Document in its entirety, including but not limited to General Provisions Section 41, are hereby incorporated in and made part of this Agreement as truly as if fully set forth herein.

IN WITNESS WHEREOF: The parties hereto have caused this contract to be executed the day and year first above written.

CITY OF LA PALMA, CALIFORNIA

By _____
Mayor

ATTEST:

City Clerk

Contractor

By _____

Title

By _____

Title

FAITHFUL PERFORMANCE BOND

KNOW ALL PERSONS BY THESE PRESENTS, that we, _____
_____ (hereinafter referred to as "Contractor") as
PRINCIPAL, and _____
as SURETY, are held and firmly bound unto the CITY OF LA PALMA, CALIFORNIA,
(hereinafter referred to as the "City") in the sum of _____
_____ Dollars (\$ _____) (this amount
being not less than one hundred percent (100%) of the total bid price of the contract
awarded by the City to the Contractor), lawful money of the United States of America, for
the payment of which sum, well and truly to be made, we bind ourselves, our heirs,
executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITIONS OF THIS OBLIGATION ARE SUCH, that whereas, said Contractor has
been awarded and is about to enter into the annexed contract with said City for
consideration of the work under the specification entitled "**Pavement Rehabilitation of
Residential Streets with Asphalt Rubber Overlay (ARHM), City Project No. ST-337**",
and is required by said City to give this bond in connection with the execution of said
contract.

NOW, THEREFORE, whenever Contractor shall be, and is declared by the City to be, in
default under the Contract, the City having performed the City's obligations thereunder, the
Surety shall promptly either remedy the default, or shall promptly:

1. Complete the Contract in accordance with its terms and conditions; or
2. Obtain a bid or bids for completing the Contract in accordance with its terms and
conditions, and upon determination by Surety of the lowest responsible Bidder,
arrange for a contract between such Bidder and the City, and make available as
work progresses (even though there should be a default or succession of defaults
under the Contract or Contracts of completion arranged under this Paragraph)
sufficient funds to pay the cost of completion less the balance of the contract price,
but not exceeding, including other costs and damages for which Surety may be
liable hereunder, the amount set forth in the first executory Paragraph hereof. The
term "balance of the contract price" as used in this Paragraph shall mean the total
amount payable to Contractor by the City under the Contract and any modifications
thereto, less the amount properly paid by the City to the Contractor.

Surety expressly agrees that the City may reject any contractor or subcontractor (in
accordance with the Contract Documents for this Contract) that may be proposed by
Surety in fulfillment of its obligations in the event of default by the Contractor.

No right of action shall accrue on this bond to or for the use of any person or corporation
other than the City named herein or the successors or assigns of the City.

Surety and Contractor shall provide City notice thirty (30) calendar days prior to any
modification, renewal, or termination of this bond.

If said Contractor shall well and truly do and perform all the covenants and obligations of said contract on his or her part to be done and performed at the time and in the manner specified herein; then this obligation shall be null and void; otherwise, it shall be and remain in full force and effect;

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

In the event suit is brought upon this bond by said City and judgment is recovered, said Surety shall pay all costs incurred by said City in such suit, including reasonable attorney fees to be fixed by the Court.

WITNESS our hands this _____ day of _____, 20__.

Contractor (seal)

Surety (seal)

By: _____
(Name and Title)

By: _____
(Name and Title)

(Mailing address of Contractor)

(Mailing address of Surety)

(NOTARIAL ACKNOWLEDGMENT
OF CONTRACTOR)

(NOTARIAL ACKNOWLEDGMENT
OF SURETY)

LABOR AND MATERIAL BOND

KNOW ALL PERSONS BY THESE PRESENTS, that we, _____
_____ (hereinafter referred to as "Contractor") as
PRINCIPAL, and _____
as SURETY, are held and firmly bound unto the CITY OF LA PALMA, CALIFORNIA,
(hereinafter referred to as the "City") in the sum of _____
_____ Dollars (\$ _____) (this amount
being not less than one hundred percent (100%) of the total bid price of the contract
awarded by the City to the Contractor), lawful money of the United States of America, for
the payment of which sum, well and truly to be made, we bind ourselves, our heirs,
executors, administrators and successors, jointly and severally, firmly by these presents.

THE CONDITIONS OF THIS OBLIGATION ARE SUCH, that whereas, said Contractor has
been awarded and is about to enter into the annexed contract with said City for
construction of the work under the specification entitled, "**Pavement Rehabilitation of
Residential Streets with Asphalt Rubber Overlay (ARHM), City Project No. ST-337**"
and is required by said City to give this bond in connection with the execution of said
contract.

NOW, THEREFORE, if said Contractor in said contract, or subcontractor, fails to pay for
any materials, provisions, provender or other supplies, or for the use of implements or
machinery, used in, upon, for or about the performance of the work contracted to be done,
or for any work or labor thereon of any kind, or for amounts due under the Unemployment
Insurance Act with respect to such work or labor, said Surety will pay for the same, in an
amount not exceeding the sum specified above, and also in case suit is brought upon this
bond, a reasonable attorney's fee, to be fixed by the court. This bond shall inure to the
benefit of the City and of any persons, companies, or corporations, or their respective
assigns, entitled to file claims under applicable State law, including, but not limited to,
California Civil Code Section 3181.

Surety and Contractor shall provide City notice thirty (30) calendar days prior to any
modification, renewal, or termination of this bond.

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

In the event suit is brought upon this bond by said City and judgment is recovered, said
Surety shall pay all costs incurred by said City in such suit, including reasonable attorney
fees to be fixed by the Court.

WITNESS our hands this _____ day of _____, 20____.

Contractor (seal)

By: _____
(Name and Title)

(Mailing address of Contractor)

Surety (seal)

By: _____
(Name and Title)

(Mailing address of Surety)

(NOTARIAL ACKNOWLEDGMENT
OF CONTRACTOR)

(NOTARIAL ACKNOWLEDGMENT
OF SURETY)

WORKERS' COMPENSATION CERTIFICATE

Labor Code Section 3700 reads, in part:

Every employer except the State shall secure the payment of compensation in one or more of the following ways:

(a) By being insured against liability to pay compensation by one or more insurers duly authorized to write compensation insurance in this state.

(b) By securing from the Director of Industrial Relations a certificate of consent to self-insure either as an individual employer, or as one employer in a group of employers, which may be given upon furnishing proof satisfactory to the Director of Industrial Relations of ability to self-insure and to pay any compensation that may become due to his or her employees.

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

Signed, this _____ day of _____, 20____.

Name: _____

Title: _____

Signature: _____

(In accordance with Article 5 (commencing at Section 1860), Chapter 1, Part 7, Division 2, of the Labor Code, the above certificate must be signed and filed with the awarding body prior to performing any work under this contract.)

CITY OF LA PALMA
GENERAL PROVISIONS

SECTION 1. INTENT

The Contract Documents are complementary, and what is called for by one part shall be as binding as if called for by all. The intent of the Contract Documents is to include all work consistent therewith and reasonably inferable there from as being necessary for completion of the contract and to provide a functionally complete Project. The Contract Documents are intended to include all items necessary for the proper execution and completion of the Project. Materials or work described in words that indicate the proper execution and a well-known technical or trade designation shall be held to refer to such recognized standards. It is understood and agreed that the written terms and provisions of the Contract Documents represent the entire and integrated agreement between the parties hereto and supersede all prior negotiations, representations, or agreements, either written or oral.

SECTION 2. PRECEDENCE OF CONTRACT DOCUMENTS

In resolving inconsistencies or ambiguities among two (2) or more components of the Contract Documents, highest precedence shall be given to the Agreement and decreasing order as follows:

1. Specifications and Drawings
2. Special Provisions
3. Technical Provisions
4. General Provisions
5. Agreement
6. Instructions to Bidders
7. Notice Inviting Sealed Bids
8. Other Contract Documents
9. Standard Specifications (as hereinafter incorporated)

SECTION 3. STANDARD SPECIFICATIONS

The general provisions which shall apply to this contract include the provisions found in Part 1 – General Provisions of the Standard Specifications for Public Works Construction, latest edition plus any supplements at the time the Notice Inviting Sealed Bids is signed by the City Engineer, published by BNi Publications, Inc., 1612 S. Clementine Street, Anaheim, California 92802 (hereinafter referred to as the "Standard Specifications"). Part 1 – General Provisions of the Standard Specifications is incorporated herein as truly as if fully set forth herein, except as modified by the Contract Documents. Where provisions of the Standard Specifications and the Contract Documents conflict, the Contract Documents shall prevail.

Wherever in the Standard Specifications the terms below are used, they shall be understood to mean and refer to the following:

- (a) "Agency" means and refers to the City of La Palma, California.

- (b) "Board" means and refers to the La Palma City Council.
- (c) "Engineer" means and refers to the La Palma City Engineer, acting either directly or through authorized agents.
- (d) Other terms appearing in Part 1 – General Provisions of the Standard Specifications shall have the intent and meaning specified in Section 1 of the Standard Specifications.

SECTION 4. LEGAL ADDRESS OF CONTRACTOR

The address given in the Contractor's proposal on which the contract is founded is hereby designated as the place to which all notices, letters and other communications to the Contractor shall be mailed or delivered. The mailing to or delivering at the above named place of any notice, letter or other communication to the Contractor, shall be deemed sufficient service thereof upon the Contractor. The date of said service shall be the date of deposit in a United States mail depository or of personal delivery to said address. Such address may be changed at any time by a written notice signed by the Contractor and delivered to the City Engineer.

SECTION 5. PAYMENTS

Attention is directed to subsection 9-3 of the Standard Specifications for partial payment and final payment provisions. No partial payment will be made for any materials on hand which are furnished but not incorporated in the work.

SECTION 6. PAYMENTS TERMINATING LIABILITY

Pursuant to Public Contract Code Section 7100, payment of undisputed contract amounts is contingent upon the Contractor furnishing the City with a written release of all claims against the City and its officials, officers, employees, agents, and volunteers (collectively "City Personnel") arising by virtue of the public works contract related to those amounts. Disputed contract claims in stated amounts may be specifically excluded by the Contractor from the operation of the release.

Notwithstanding the foregoing, the Contractor's acceptance of undisputed contract amounts shall act as a release of the City and City Personnel from all claims and liability to the Contractor for anything done or furnished for, or relating to, these amounts or for any act or neglect of the City or City Personnel relating to or affecting these amounts, except the claim against the City for the remainder, if any, of the amounts kept or retained as provided in subsection 9-3 of the Standard Specifications, unless the Contractor specifically provides written notice that it accepts said amounts under protest. If the Contractor accepts said amounts under protest, the Contractor shall not deposit said amounts for ten (10) days during which time the City may withdraw the funds.

SECTION 7. MONIES TO BE RETAINED

The Contractor's attention is called to subsection 9-3.2 of the Standard Specifications which sets the payment deduction and retention schedule applicable to the Project. Pursuant to Public Contract Code section 9203, the City shall withhold not less than five percent (5%) of the contract price until final completion and acceptance of the Project. Notwithstanding the foregoing, the City may keep any monies which would otherwise be payable at any time hereunder and apply the same, or so much as may be necessary

therefore, to the payment of any expense, losses or damages, as determined by the City Engineer, incurred by the City, for which the Contractor is liable under the Contract Documents.

SECTION 8. RECOVERY OF DAMAGES

The making of an estimate and payment in accordance therewith shall not preclude the City from demanding and recovering from the Contractor such damages as it may sustain by reason of the Contractor's failure to comply with the Contract Documents.

SECTION 9. PROGRESS PAYMENTS

Once each month the City will process the Contractor's request for partial payment on the basis of an estimate prepared by the Contractor and approved by the Engineer for work completed during the preceding month. The estimate will cover the work performed by the Contractor during the preceding month plus eighty percent (80%) of the paid invoice cost of material suitably stored at the site of the project if the Contractor desires payment for material stored; provided that, (1) each individual item of material or piece of equipment will become a permanent part of the Work and has a value in excess of \$5,000; and (2) the material or equipment is required by the specifications and is specifically manufactured for the project and cannot be readily diverted to another job.

SECTION 10. COMPLETION OF WORK

In the event that the City Engineer shall be of the opinion that the work is being inadequately or improperly prosecuted in any respect, he or she may demand that the Contractor improve or change the prosecution of the work in such manner as to assure proper and timely completion.

SECTION 11. FINAL INVOICE AND PAYMENT

(a) Whenever in the discretion of the City Engineer the Contractor shall have completely performed the contract, the City Engineer shall notify the City that the contract has been completed in its entirety. He or she shall request that the City accept the work and that the City Clerk be authorized to file, on behalf of the City, in the office of the Orange County Recorder, a notice of completion of the work herein agreed to be done by the Contractor. The Contractor will then submit to the City Engineer for approval a written statement of the final quantities of contract items for inclusion in the final invoice. Upon receipt of such statement, the City Engineer shall check the quantities included therein and shall authorize the Contractor to submit an invoice which in the City Engineer's opinion shall be just and fair, covering the amount and value of the total amount of work done by the Contractor, less five percent (5%) of the total work done.

(b) Pursuant to Public Contract Code section 7107, within sixty (60) days after the filing of the notice of completion of the work, the City shall pay to the Contractor the remaining retained amounts after deducting from the amount or value stated in the invoice all prior payments to the Contractor and all amounts to be kept and retained under the provisions of the contract, and shall release the faithful performance bond and the labor and material bond. In the event of a dispute between the City and the Contractor, the City may withhold from the final payment an amount not to exceed one hundred fifty percent (150%) of the disputed amount.

(c) The Contractor may substitute securities for any monies withheld under this section in compliance with the requirements of Public Contract Code Section 22300 and the "Substitution of Securities" provisions of the General Provisions.

SECTION 12. UNPAID CLAIMS

The Contractor's attention is drawn to Civil Code Division 3, Part 4, Title 15, Chapter 4 titled "Stop Notice for Public Work" (beginning with section 3179). The following provisions are to be read consistently with said Chapter 4 and to incorporate said Chapter 4 to the extent applicable. If, upon or before the completion of the work herein agreed to be performed or at any time prior to the expiration of the period within which claims of lien may be filed for record, any person or persons claiming to have performed any labor or furnished any material, supplies or services toward the performance or completion of this contract, or that they have agreed to do so, shall timely file with the City a verified statement of such claim, stating in general terms the kind of labor and materials and the name of the person to or for whom the same was done or furnished, or both, and the amount in value, as near as may be, of that already done or furnished, or both, together with a statement that the same has not been paid, or if any person or persons shall bring against the City or against any agent or agents thereof any action to enforce such claim, the City shall until the discharge thereof withhold from the monies under its control so much of said monies due or to become due the Contractor under this contract as shall be sufficient to satisfy and discharge the amount in such notice or under such action claimed to be due, together with the costs thereof; provided, that if the City in its discretion permits the Contractor to file an additional bond in a penal sum equal to one and one-fourth times (125%) the amount of said claim, said monies shall not thereafter be withheld on account of such claim. A claimant shall not be entitled to enforce a stop notice unless the claimant shall have given the preliminary twenty (20) day notice in accordance with Civil Code section 3098 if so required by that section. No stop notice will be effective unless it is served before the expiration of thirty (30) days after the recording of a notice of completion or notice of cessation, or if no notice is recorded, ninety (90) days after completion or cessation. The Contractor may substitute securities for any monies withheld under this section in compliance with the requirements of Public Contract Code Section 22300 and the provisions of the General Provisions pertaining to "Substitution of Securities."

SECTION 13. ALLOWABLE VARIATIONS

When in the Contract Documents a maximum or minimum either in size, percentage or thickness or relating to quality, character or other matter, is allowed or prescribed, the work shall be accepted as in compliance if within such maximum or minimum so allowed hereby.

SECTION 14. CHANGES IN WORK

All changes in the work shall comply with Section 3 of the Standard Specifications.

When extra work is to be paid for on a force account basis, the labor, materials, equipment rental and other items of expenditures, the percentage of markup applied to the Contractor's direct cost for all overhead and profit shall be in accordance with the General Provisions and subsection 3-3.2.3 of the Standard Specifications.

SECTION 15. MARK-UP

The following markups shall apply for all extra work requested by contract change order:

(a) Work by Contractor:

The following percentage shall be added to the Contractor's costs and shall constitute the markup for all overhead and profits:

Labor	20%
Materials	15%
Equipment Rental	15%
Other items and Expenditures	15%

To the sum of the costs and markups provided for in this section, one percent (1%) shall be added as compensation for bonding.

(b) Work by subcontractor:

When all or any part of the extra work is performed by a subcontractor, the markup established in section (a) above shall be applied to the subcontractor's actual costs of such work, to which a markup of ten percent (10%) on the first \$2,000.00 of the subcontracted portion of the extra work, and a markup of five percent (5%) on the work added in excess of \$2000.00 of the Subcontracted portion of the extra work may be added by the Contractor.

SECTION 16. INCREASED OR DECREASED QUANTITIES

If the total pay quantity of any item of work varies by more than 25 percent, compensation payable to the Contractor will be determined in accordance with the applicable portions of Section 3 of the Standard Specifications.

When the compensation payable for the number of units of an item of work performed in excess of 125 percent of the City Engineer's Estimate is less than \$1,500 at the applicable contract unit price, the City Engineer reserves the right to make no adjustment in said price if he or she so elects, except that an adjustment will be made if requested in writing by the Contractor. Such Contractor's request shall be accompanied by adequate, detailed data to support costs of the item.

SECTION 17. PUBLIC UTILITIES

The provisions of Government Code section 4215 are incorporated herein. As required under Section 4215, the Contractor shall be compensated for the costs of locating, repairing damage not due to the failure of the contractor to exercise reasonable care, and removing or relocating such utility facilities not indicated in the plans and specifications with reasonable accuracy, and for equipment on the Project necessarily idled during such work. The contractor shall not be assessed liquidated damages for delay in completion of the Project, when such delay was caused by the failure of the City or the owner of the utility to provide for removal or relocation of such utility facilities. Notwithstanding the foregoing, the City is not required to indicate the presence of existing service laterals or

appurtenances whenever the presence of such utilities on the site of the Project can be inferred from the presence of other visible facilities.

SECTION 18. TRENCHING

- (a) To the extent that the Project requires trenching or excavations that extend deeper than four (4) feet below the surface, Public Contract Code section 7104 is hereby incorporated and the following provisions shall apply:
 - (i) The Contractor shall promptly notify the City in writing before the following conditions are disturbed: (1) material the Contractor believes may be hazardous waste as defined in Health and Safety Code section 25117; (2) subsurface or latent physical conditions at the site differing from those indicated by the City prior to the deadline for submitting bids; and (3) unknown physical conditions at the site of any unusual nature, materially different from those ordinarily encountered and generally recognized as inherent in the character of the work.
 - (ii) The City shall promptly investigate the conditions, and if it finds that the conditions do materially so differ, or do involve hazardous waste, and cause a decrease or increase in the Contractor's cost of, or the time required for, performance of any part of the work, shall issue a change order under the procedures described in the Contract Documents.
 - (iii) In the event that a dispute arises between the City and the Contractor whether the conditions materially differ, or involve hazardous waste, or cause a decrease or increase in the Contractor's cost of, or time required for, performance of any part of the work, the Contractor shall not be excused from any scheduled completion date provided for by the contract, but shall proceed with all work to be performed under the contract. The Contractor shall retain any and all rights provided either by contract or by law which pertain to the resolution of disputes and protests between the contracting parties.
- (b) To the extent that the Project involves an estimated expenditure in excess of twenty-five thousand dollars (\$25,000) and requires the excavation of any trench or trenches five (5) feet or more in depth, Labor Code section 6705 is hereby incorporated and the following provisions shall apply:
 - (i) Submission by the Contractor and acceptance by the City or the City Engineer of a detailed plan showing the design of shoring, bracing, sloping, or other provisions to be made for worker protection from the hazard of caving ground during the excavation of such trench or trenches is required in advance of excavation.
 - (ii) If such plan varies from the shoring system standards, the plan shall be prepared by a registered civil or structural engineer.

SECTION 19. UNDERGROUND SERVICE ALERT

Except in an emergency, the Contractor prior to conducting any excavation or resurfacing shall contact the appropriate regional notification center, at least two working days prior to commencing that excavation or resurfacing. The regional notification center shall provide an inquiry identification number to the person who contacts the center and shall notify any member, if known, who has a subsurface installation in the area of the proposed excavation or resurfacing. Underground Service Alert may be contacted by calling 1-800-227-2600. The Contractor shall also notify the City of La Palma Public Works Department at (714) 690-3310.

In addition to and notwithstanding the foregoing, the Contractor is required to comply with all relevant provisions of Government Code section 4216 *et seq.* and all other laws regarding the relocation or disturbance of utilities. The Contractor's attention is specifically called to Government Code sections 4216.2, 4216.4 and 4216.6.

SECTION 20. LABOR CODE

- (a) Pursuant to applicable provisions of the Labor Code of the State of California, including Labor Code section 1773.2, not less than the general prevailing rate of per diem wages including legal holidays, and overtime work for each craft or type of worker needed to execute the work contemplated under the Contract Documents shall be paid to all workers employed on the work to be done according to this contract by the Contractor or any subcontractor and shall be deemed to include employer payments for health and welfare, pension, vacation and similar purposes. The City Engineer has on file the prevailing rate of per diem wages and will furnish the same to any interested party on request. A copy of the prevailing rate of per diem wages must be posted at each job site.
- (b) The provisions of Labor Code section 1776 are incorporated herein. As required under Section 1776, the Contractor and each subcontractor shall keep accurate payroll records, showing the name, address, social security number, work classification, straight time and overtime hours worked each day and week, and the actual per diem wages paid to each journeyman, apprentice, worker, or other employee employed by him or her in connection with the public work. Each payroll record shall contain or be verified by a written declaration that it is made under penalty of perjury, stating both of the following: (1) the information contained in the payroll record is true and correct; and (2) the employer has complied with the requirements of Labor Code sections 1771, 1811, and 1815 for any work performed by his or her employees on the public works project.
- (c) The Contractor is aware of and will comply with the provisions of Labor Code Sections 1777.5 and 1777.6 with respect to the employment of apprentices.
- (d) Pursuant to Labor Code Section 1775, it is hereby stipulated that the Contractor shall, as a penalty to City, forfeit not more than \$50 (to be determined by the Labor Commissioner) for each calendar day, or portion

thereof, for each worker paid less than the prevailing rates as determined by the Director of the Department of Industrial Relations for the work or craft in which the worker is employed for the Project under the contract by Contractor or by any subcontractor under the Contractor. The Contractor shall be responsible to ensure that all contracts executed between the Contractor and the subcontractor for the performance of work on the Project shall include a copy of the provisions of Labor Code Sections 1771, 1775, 1776, 1777.5, 1813, and 1815.

- (e) Pursuant to Labor Code section 1810, it is stipulated hereby that eight (8) hours labor constitutes a legal day's work hereunder.
- (f) Pursuant to Labor Code Section 1813, it is stipulated hereby that the Contractor shall, as a penalty to the City, forfeit \$25 for each worker employed in the execution of this Contract by the Contractor or by any subcontractor hereunder for each calendar day during which such worker is required or permitted to work more than eight (8) hours in any one calendar day and forty (40) hours in any one (1) calendar week in violation of the provisions of Article 3 (commencing with Section 1810), Chapter 1, Part 7, Division 2 of the Labor Code.
- (g) Pursuant to Labor Code section 1860, in accordance with the provisions of Section 3700 of the Labor Code, the Contractor and each subcontractor is required to secure the payment of compensation to its employees.

SECTION 21. INELIGIBLE SUBCONTRACTORS

Pursuant to Public Contract Code section 6109, the Contractor is prohibited from performing work on the Project with a subcontractor who is ineligible to perform work on a public works project pursuant to Labor Code section 1777.1 or 1777.7. Any contract between the Contractor and an ineligible subcontractor for work on the Project is void as a matter of law. Any public money paid to the ineligible subcontractor by the Contractor shall be returned to the City.

SECTION 22. NOTIFICATION OF THIRD PARTY CLAIMS

The City and the Contractor shall each notify the other of the receipt of any third-party claims relating to the contract. This notification shall be made in writing within one (1) week from the receipt of the third-party claim.

SECTION 23. CLAIMS

This section shall apply to claims of \$375,000 or less arising between the City and the Contractor under this contract.

- (a) Pursuant to Public Contract Code Section 20104 *et seq.*, which is incorporated herein, the claim shall be in writing, include the documents necessary to substantiate the claim, and be filed with the City on or before the date of the final payment for the work. If the claim is less than \$50,000,

the City shall respond in writing to the claim within 45 days of its receipt; or the City may request in writing within 30 days of receipt of the claim any additional documentation supporting the claim or relating to defenses or claims the City may have against the Contractor, and in such event the City's response shall be submitted to the Contractor within the later of 15 days after the receipt of the further documentation, or the time taken by the Contractor in producing the additional information.

If the claim is over \$50,000, the City shall respond in writing to the claim within 60 days of its receipt, or the City may request in writing within 30 days of receipt of the claim any additional documentation supporting the claim or relating to defenses or claims the City may have against the Contractor, and in such event the City's response shall be submitted to the Contractor within the later of 30 days after the receipt of the further documentation, or the time taken by the Contractor in producing the additional information or requested documentation.

- (b) If the Contractor disputes the City's written response, or if the City fails to respond within the prescribed time, to the claim, the Contractor may notify the City in writing within 15 days, and demand an informal conference to meet and confer for settlement of the issues in dispute. Upon receipt of the demand, the City shall schedule a meet and confer conference within 30 days. If the claim or any portion thereof remains in dispute following the meet and confer conference, the Contractor may file a claim pursuant to Government Code Section 900, *et seq.* For purposes of this paragraph, the running of the period of time within which a claim must be filed shall be tolled from the time the Contractor submits the claim until the time such claim is denied, including any period of time utilized by the meet and confer conference.
- (c) The following procedures shall apply to any civil action filed pursuant to this section.
 - (i) Nonbinding Mediation - Within 60 days, but no earlier than 30 days, following the filing of responsive pleadings, the court shall submit the matter to nonbinding mediation unless waived by mutual stipulation of both parties. The mediation process shall provide for the selection within 15 days by both parties of a disinterested third person as mediator, and shall be commenced within 30 days of the submittal and shall be concluded within 15 days from the commencement of the mediation unless a time requirement is extended upon a good cause showing to the court.
 - (ii) Judicial Arbitration - If the matter remains in dispute, the case shall be submitted to judicial arbitration pursuant to Section 1141.10, *et seq.*, of the Code of Civil Procedure, notwithstanding Code of Civil Procedure Section 1141.11. The civil discovery procedure of Code of Civil Procedure Section 2016.010, *et seq.*, shall apply, consistent with the rules pertaining to judicial arbitration. In addition to the provisions

of Code of Civil Procedure Section 1141.10, *et seq.*, (a) arbitrators shall, when possible, be experienced in construction law, and (b) any party appealing an arbitration award who does not obtain a more favorable judgment shall, in addition to payment of costs and fees, also pay the attorney's fees on appeal of the other party.

- (iii) Interest on Award or Judgment - In any suit filed pursuant to this section, the City shall pay interest at the legal rate on any arbitration award or judgment, which interest shall begin to accrue on the date the suit is filed in a court of law.

All claims not subject to this section must be presented to the City pursuant to Government Code section 910 *et seq.* The City shall take action with respect to any such claim as provided in Division 3.6 of Title 1 of the Government Code. Denial of such claim by the City shall be a prerequisite to the institution of any legal proceeding challenging the action(s) of the City.

SECTION 24. SUBSTITUTION OF SECURITIES

The provisions of Public Contract Code section 22300 are incorporated herein. At the request and expense of the Contractor, securities equivalent to any amount withheld by the City to ensure performance under the contract shall be deposited with the City, or with a state or federally chartered bank in this state as the escrow agent, who shall then pay those moneys to the Contractor. Upon satisfactory completion of the contract, the securities shall be returned to the Contractor. The Contractor shall bear all of the expense of the City and the escrow agent in connection with the establishment of an escrow account, the deposit of qualified securities into the escrow account, all statements and accounting relating to the escrow account, and the maintenance of the escrow account.

Securities eligible for investment under this section include those listed in Section 16430 of the Government Code, bank or savings and loan certificates of deposit, interest-bearing demand deposit accounts, standby letters of credit, or any other security mutually agreed to by the contractor and the public agency. The contractor shall be the beneficial owner of any securities substituted for moneys withheld and shall receive any interest thereon.

The Contractor shall, upon written notification to the City that the Contractor intends to open an escrow account with an escrow agent to deposit qualified securities as a substitute for retention of Contractor earnings required to be withheld by the City, notify the Surety in writing of such intention, and furnish the City with the written consent of the Surety to the utilization of such escrow account in lieu of periodic retention.

SECTION 25. ADDITIONAL SURETY

If during the continuance of the contract any of the sureties upon the faithful performance bond in the opinion of the City Engineer are or become insufficient, he or she may require additional sufficient sureties which the Contractor shall furnish to the satisfaction of the City Engineer within fifteen (15) days after notice, and in default thereof the contract may be suspended and the work completed as provided in Section 6 of the Standard Specifications.

SECTION 26. LIABILITY AND INDEMNIFICATION

The City, its officers, employees, agents and representatives, and the Engineer shall not be answerable or accountable in any manner, either individually or collectively for any loss or damage that may happen to the Work or any part thereof, or for any of the materials or other things used or employed in performing the Work, or for injury or damage to any person or persons, either workers, employees of Contractor or its subcontractors or the public, or for damage to adjoining or other property, from any cause whatsoever arising out of or in connection with the performance of the Project. The Contractor shall be responsible for any damage or injury to any person or property resulting from defects or obstructions or from any cause whatsoever arising out of or in connection with the performance of the Work, except the active negligence or willful misconduct of City, its agents, servants or independent contractors who are directly responsible to the City.

Contractor shall indemnify City, the Engineer, and the respective City Councils, officers, employees, agents and representatives, against, and hold and save them and each of them harmless from, any and all actions, claims, damages to persons or property, penalties, obligations or liabilities that may be asserted or claimed by any person, firm, entity, corporation, political subdivision or other organization arising out of or in connection with the Work, operation or activities of Contractor, its agents, employees, subcontractors or invitee, provided for herein, whether or not there is concurrent negligence on the part of the City, its officers, directors, employees, agents, representatives, or the Engineer, but excluding not to the extent such actions, claims, damages to persons or property, penalties, obligations or liabilities arise from the active negligence or willful misconduct of City or its officers, directors, employees, agents, representatives or independent contractors who are directly responsible to City; and in connection therewith:

- (a) Contractor shall defend any action or actions filed in connection with any of such claims, damages, penalties, obligations or liabilities, and shall pay all costs and expenses, including attorneys' fees, incurred in connection therewith.
- (b) Contractor shall promptly pay any judgment rendered against Contractor or the City or City Personnel or independent contractors who are directly responsible to City covering such claims, damages, penalties, obligations and liabilities arising out of or in connection with such work, operations, or activities of Contractor hereunder, and Contractor shall save and hold the City harmless there from.
- (c) In the event the City is made a party to any action or proceeding filed or prosecuted against Contractor for such damages or other claims arising out of or in connection with the work, operation or activities of Contractor hereunder, Contractor shall pay to the City any and all costs and expenses incurred by the City in such action or proceeding, together with reasonable attorneys' fees. If the City is so named as a party to any such action, the City can elect to be represented by counsel of its choosing and Contractor shall be responsible to reimburse the City for all reasonable fees and costs associated with that representation.
- (d) So much of the money due to the Contractor under and by virtue of the Contract as shall be considered necessary by the City may be retained by

the City until disposition has been made of such actions or claims for damages as aforesaid.

SECTION 27. PERSONAL LIABILITY

Neither the City, the City Engineer, nor City Personnel shall be personally responsible for any liability arising under the Contract.

SECTION 28. LEGAL ACTIONS AGAINST THE CITY

In the event litigation is brought against the City concerning compliance by the City with State or Federal laws, rules or regulations applicable, the provisions of this section shall apply:

- (a) If, pursuant to court order, the City prohibits the Contractor from performing all or any portion of the work, the delay will be considered a right of way delay within the meaning of Subsection 6-6 of the Standard Specifications unless the contract is terminated as hereinafter provided, in which event compensation payable to the Contractor shall be determined in accordance with said termination provisions.
- (b) If, pursuant to court order (other than an order to show cause), the City is prohibited from requiring the Contractor to perform all or any portion of the work, the City may, if it so elects, eliminate the enjoined work pursuant to Section 3 of the Standard Specifications or terminate the contract in accordance with Subsections 6-3 and 6-5 of the Standard Specifications.
- (c) If the final judgment in the action prohibits the City from requiring the Contractor to perform all or any portion of the work, the City will either eliminate the enjoined work pursuant to Section 3 of the Standard Specifications or terminate the contract in accordance with Subsections 6-3 and 6-5 of the Standard Specifications.

SECTION 29. INSURANCE

The Contractor shall not commence work under the Contract Documents until it has secured all types and amounts of insurance required under the Contract Documents, nor shall it allow any subcontractor to commence work on its subcontract until any such subcontractor has obtained the same insurance required of the Contractor under the Contract Documents. Without limiting Contractor's indemnification obligations, Contractor shall procure and maintain, at its sole cost and for the duration of Project until a notice of completion is issued by the City Engineer, insurance coverage as provided below, against all claims for injuries against persons or damage to property which may arise from or in connection with the performance of the work hereunder by Contractor, its agents, representatives, employees, and/or subcontractors. In the event that Contractor subcontracts any portion of the work, the contract between the Contractor and such subcontractor shall require the subcontractor to maintain the same policies of insurance that the Contractor is required to maintain pursuant to this Section. Contractor acknowledges that the insurance coverage and policy limits set forth in this section constitute the minimum amount of coverage required. Any insurance proceeds in excess

of the limits and coverage required in this agreement and which is applicable to a given loss, will be available to the City. The provisions of this Section 29 replace the provisions of Standard Specifications subsection 7-3.

(a) Insurance Coverage Required: Contractor shall provide the following types and amounts of insurance.

(i) Commercial General Liability Insurance. Contractor shall use Insurance Services Office "Commercial General Liability" policy form CG 00 01, with an edition date prior to 2004, or the exact equivalent. Coverage for an additional insured shall not be limited to its vicarious liability. Defense costs must be paid in addition to limits. Limits shall be no less than Three Million Dollars (\$3,000,000.00) per occurrence for all covered losses and no less than Five Million Dollars (\$5,000,000.00) general aggregate.

(ii) Workers' Compensation. Contractor shall use a state-approved policy form providing statutory benefits as required by law with employer's liability limits no less than One Million Dollars (\$1,000,000.00) per accident for all covered losses.

(iii) Business Auto Coverage. Contractor shall use ISO Business Auto Coverage form CA 00 01 including owned, non-owned and hired autos, or the exact equivalent. Limits shall be no less than One Million Dollars (\$1,000,000.00) per accident, combined single limit. If Contractor owns no vehicles, this requirement may be satisfied by a non-owned auto endorsement to the general liability policy described above. If Contractor or Contractor's employees will use personal autos in any way on this Project, Contractor shall obtain evidence of personal auto liability coverage for each such person.

(iv) Excess or Umbrella Liability Insurance (Over Primary). If excess or umbrella liability insurance is used to meet limit requirements, Contractor shall provide coverage at least as broad as specified for the underlying coverages. Such policy or policies shall include as insureds those covered by the underlying policies, including additional insureds. Coverage shall be "pay ob behalf", with defense costs payable in addition to policy limits. There shall be no cross liability exclusion precluding coverage for claims or suits by one insured against another. Coverage shall be applicable to City for injury to employees of Contractor, subcontractors, or others involved in the work. The scope of coverage provided is subject to approval of City following receipt of proof of insurance as required herein.

(b) Contractor's Insurance General Requirements:

(i) Shall be issued by an insurance company that is an admitted carrier in the State of California and maintains a Secure Best's Rating of "A-" or higher; unless otherwise approved by the City;

(ii) Commercial General Liability, Business Auto Coverage and Excess or Umbrella Liability shall name the City, and its officers, officials, employees, agents, representatives and volunteers (collectively "City Personnel") as additional insureds and contain no special limitations on the scope of protection afforded to City or City Personnel. All insurance provided hereunder shall include the appropriate endorsements.

(iii) Shall be primary insurance and any insurance or self-insurance maintained by the City and/or City Personnel shall be in excess of Contractor's insurance and shall not contribute with it.

(iv) Shall be "occurrence" rather than "claims made" insurance.

(v) Shall apply separately to each insured against whom a claim is made or suit brought, except with respect to the limits of the insurer's liability.

(vi) Shall be endorsed to state that the insurer shall waive all rights of subrogation against City and City Personnel.

(vii) Shall be written by good and solvent insurer(s) admitted to do business in the State of California and approved in writing by City.

(viii) Shall be endorsed to state that coverage shall not be suspended, voided, cancelled, reduced in coverage or in limits, non-renewed, or materially changed for any reason, without thirty (30) days prior written notice thereof given by the insurer to the City by U.S. mail, or by personal delivery, except for nonpayment of premiums, in which case ten (10) days prior notice shall be provided.

(c) Deductibles: Any deductibles or self-insured retentions must be declared to and approved by City prior to the execution of the Agreement by City.

(c) Evidence of Coverage: The Contractor shall furnish the City with endorsed certificates of insurance demonstrating the coverage required by this Section which shall be received and approved by City not less than five (5) working days before work commences.

SECTION 30. INTEGRATION

No oral order, objection, claim or notice by any party to the other shall affect or modify any of the terms or obligations contained in any of the Contract Documents and none of the provisions of the Contract Documents shall be held to be waived or modified by reason of

any act whatsoever, other than by a definitely agreed waiver or modification thereof in writing, and no evidence shall be introduced in any proceeding of any other waiver or modification. Contractor hereby acknowledges that no oral statement can be reasonably relied on and shall not be relied on for any equitable claim.

The Contract Documents represent the entire understanding of the City and the Contractor as to those matters contained therein, and no prior oral or written understanding shall be of any force or effect with respect to those matters covered by the Contract Documents.

SECTION 31. INDEPENDENT CONTRACTOR STATUS

The City hereby engages Contractor as an independent contractor for the sole purpose of performing the work related to the Project. Contractor shall perform the services on the terms and conditions set forth herein. Contractor is an independent contractor, and nothing in this Contract or in the relationship between the City and the Contractor shall constitute a partnership, joint venture, agency or any other similar relationship.

SECTION 32. SALES AND/OR USE TAXES

Except as may be otherwise specifically provided herein, all sales and/or use taxes assessed by Federal, State or local authorities on materials used or furnished by the Contractor in performing the work hereunder, shall be paid by the Contractor.

SECTION 33. RECOVERY OF ANTI-TRUST CLAIMS

In submitting a bid to the City, the Contractor offers and agrees that if the bid is accepted, it will assign to the City all rights, title, and interest in and to all causes of action it may have under Section 4 of the Clayton Act (15 U.S.C. Sec. 15) or under the Cartwright Act (Chapter 2 (commencing with Section 16700) of Part 2 of Division 7 of the Business and Professions Code), arising from purchases of goods, materials, or services by the Contractor for sale to the City pursuant to the bid. Such assignment shall be made and become effective at the time the City tenders final payment to the Contractor.

SECTION 34. ASSIGNMENT

The Contractor shall not assign, transfer, convey, sublet or otherwise dispose of this contract or of its rights, title or interest in or to the same or any part thereof, without the previous consent in writing of the City. The Contractor shall not assign, by power of attorney or otherwise, any of the monies to become due and payable under the contract unless by and with the like consent signified in like manner. If the Contractor shall, without previous written consent, assign, transfer, convey, sublet or otherwise dispose of the contract or its right, title or interest therein, or of any of the monies to become due under the contract, to any other person, company, or other corporation, such attempted or purported assignment, transfer, conveyance, sublease or other disruption shall be null, void and of no legal effect whatsoever. In such event the contract may, at the option of the City, be terminated, revoked and annulled, and the City shall thereupon be relieved and discharged from any and all liability and obligations growing out of the same to the Contractor, and to its purported assignee or transferee. No right under the contract, nor any right to any money to become due hereunder, shall be asserted against the City in law

or equity by reason of any purported assignment of the contract, or any part thereof, or by reason of the purported assignment of any monies to become due hereunder, unless authorized as set forth herein by written consent of the City. If the City consents to any assignment of the contract, or any part thereof, and the contract or part thereof is in fact assigned, all rights and obligations under the Contract Documents will be of full force and effect as to both the Contractor as Assignor and the Contractor's Assignee unless the City agrees otherwise in writing.

SECTION 35. PERMITS AND LICENSES

The Contractor shall procure all permits and licenses, pay all charges and fees, and give all notices necessary and incident to the due and lawful prosecution of the work.

The California Environmental Quality Act may be applicable to permits, licenses and other authorizations which the Contractor must obtain from local agencies in connection with performing the work of the contract. The Contractor shall comply with the provisions of said statutes in obtaining such permits, licenses and other authorizations and they shall be obtained in sufficient time to prevent delays to the work.

In the event that the City has obtained permits, licenses or other authorizations applicable to the work, in conformance with the requirements in said California Environmental Quality Act, the Contractor shall comply with the provisions of said permits, licenses and other authorizations.

SECTION 36. PUBLIC SAFETY AND PUBLIC PROTECTION

The attention of the Contractor is directed to subsection 7-10.4 of the Standard Specifications and is cautioned that the Standard Specifications apply to demolition and/or removal work as well as construction work. Strict compliance with State and local safety requirements will be enforced.

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

Whenever, in the opinion of the City Engineer, an emergency exists as a result of the Contractor's activity that threatens public safety, utilities and adjacent structures or property, immediate action shall be considered necessary in order to protect or property, the City Engineer will order the Contractor to provide a remedy for the unsafe condition. If the Contractor fails to act within a reasonable time, the City Engineer may provide suitable protection by causing such work to be done and material to be furnished as deemed reasonable and necessary.

The cost and expense of said labor and material together with the cost and expense of such repairs as are deemed necessary shall be borne by the Contractor.

SECTION 37. TERMINATION

The City may terminate the contract at its own discretion or when conditions encountered during the work make it impossible or impracticable to proceed, or when the proceeding under the contract is prevented by law, an act of God, or an official action of a public authority. Termination of the contract and the total compensation payable to the Contractor in the event of termination shall be governed by the following:

- (a) The City Engineer will issue the Contractor a written notice specifying that the contract is to be terminated. Upon receipt of said written notice and, except as otherwise directed in writing by the City Engineer, the Contractor shall:
 - (i) Stop all work under the contract, except that specifically directed to be completed prior to acceptance.
 - (ii) Perform work the City Engineer deems necessary to secure the Project for termination.
 - (iii) Remove equipment from the site of the work.
 - (iv) Take such action as is necessary to protect materials from damage.
 - (v) Notify all subcontractors and suppliers that the contract is being terminated and that their contracts or orders are not to be further performed unless otherwise authorized in writing by the City Engineer.
 - (vi) Provide the City Engineer with an inventory list of all materials previously produced, purchased or ordered from suppliers for use in the work and not yet used in the work, including its storage location and such other information as the City Engineer may request.
 - (vii) Dispose of materials not yet used in the work as directed by the City Engineer. It shall be the Contractor's responsibility to provide the City with good title to all materials purchased by the City hereunder, including materials for which partial payment has been made as provided in Subsection 9-3.2 of the Standard Specifications, and with bills of sale or other documents of title for such materials.
 - (viii) Subject to the prior written approval of the City Engineer, settle all outstanding liabilities and all claims arising out of subcontracts or orders for materials terminated hereunder. To the extent directed by the City Engineer, the Contractor shall assign to the City all the right, title and interest of the Contractor under subcontracts or orders for materials terminated hereunder.

- (ix) Furnish the City Engineer with the documentation required to be furnished by the Contractor under the provisions of the contract including, on projects as to which Federal funds are involved, all documentation required under the Federal requirements included in the contract.
 - (x) Take such other actions as the City Engineer may direct.
- (b) The total compensation to be paid to the Contractor following termination shall be determined by the City Engineer on the basis of the following:
- (i) The reasonable cost to the Contractor, without profit, for all work performed under the contract, including mobilization, demobilization and work done to secure the Project for termination. Reasonable cost will include a reasonable allowance for Project overhead and general administrative overhead not to exceed a total of seven percent (7%) of direct costs of such work.

When in the opinion of the City Engineer, the cost of a contract item of work is excessively high due to costs incurred to remedy or replace defective or rejected work, the reasonable cost to be allowed will be the estimated reasonable cost of performing such work in compliance with the requirements of the plans and specifications and the excessive actual cost shall be disallowed.

- (ii) A reasonable allowance for profit on the cost of the work performed as determined under Subsection (a), provided the Contractor establishes to the satisfaction of the City Engineer that it is reasonably probable that he or she would have made a profit had the contract been completed and provided further that the profit allowed shall in no event exceed four percent (4%) of said cost.
- (iii) The reasonable cost to the Contractor of handling material returned to the vendor, delivered to the City or otherwise disposed of as directed by the City Engineer.
- (iv) A reasonable allowance for the Contractor's administrative costs in determining the amount payable due to termination of the contract. All records of the Contractor and his or her subcontractors, necessary to determine compensation in accordance with the provisions of this section, shall be open to inspection or audit by representatives of the City at all times after issuance of the notice that the contract is to be terminated and for a period of three years, and such records shall be retained for that period.
- (v) After acceptance of the work by the City Engineer, the City Engineer may make payments on the basis of interim estimates pending issuance of the Final Estimate when in his or her opinion the amount thus paid, together with all amounts previously paid or allowed, will not

result in total compensation in excess of that to which the Contractor will be entitled. All payments, including payment upon the Final Estimate shall be subject to deduction for prior payments and amounts, if any, to be kept or retained under the provisions of the contract.

- (c) Acceptance of the terminated contract as specified shall not relieve the Contractor of responsibility for damage to materials except as follows:
 - (i) The Contractor's responsibility for damage to materials for which partial payment has been made as provided in Subsection 9-3.2 of the Standard Specifications, and for materials furnished by the City for use in the work and unused, shall terminate when the City Engineer certifies that such materials have been stored in the manner and at the locations he or she has directed.
 - (ii) The Contractor's responsibility for damage to materials purchased by the City subsequent to the issuance of the notice that the contract is to be terminated shall terminate when title and delivery of such materials has been taken by the City.
 - (iii) When the City Engineer determines that the Contractor has completed the work under the contract directed to be completed prior to termination and such other work as may have been ordered to secure the Project for termination, he or she will recommend that the City Engineer formally accept the contract, and immediately upon and after such acceptance by the City Engineer, the Contractor will not be required to perform any further work thereon and shall be relieved of his or her contractual responsibilities for injury to persons or property which occurs after the formal acceptance of the Project by the City Engineer.
- (d) The provisions of this Section 37 shall be included in all subcontracts.

SECTION 38. MAINTENANCE AND GUARANTEE

- (a) The Contractor hereby guarantees that the entire work constructed by him or her under the contract will meet fully all requirements of the Contract Documents and the Standard Specifications incorporated herein as to quality of workmanship and of materials furnished by him or her. The Contractor hereby agrees to make at his or her own expense any repairs or replacements made necessary by defects in materials or workmanship supplied to him or her that become evident within one (1) year after the date of final payment, and to restore to full compliance with the requirements of these specifications including the test requirements set forth herein for any part of the work constructed hereunder which during said one (1) year period is found to be deficient with respect to any provisions of the specifications. The Contractor also agrees to indemnify and hold the City and City Personnel harmless from claims of any kind arising from damage

due to said defects. The Contractor shall make all repairs and replacements promptly upon receipt of written orders for the same from the City Engineer. If the Contractor fails to make the repairs and replacements promptly, the City may do the work and the Contractor and his or her surety shall be liable to the City for the cost thereof.

- (b) The guarantees and agreements set forth in subsection (a) hereof shall be secured by a surety bond which shall be delivered by the Contractor to the City before the notice of completion and acceptance of the work by the City Engineer, as provided in subsection 6-8 of the Standard Specifications. Said bond shall be in an approved form by the City Attorney and executed by a surety company or companies satisfactory to the City in the amount of one hundred percent (100%) of the contract. Said bond shall remain in force for a period of one (1) year after the date of said notice of completion and acceptance. Instead of providing such a bond as described above, the Contractor may, at his or her option, provide for the faithful performance bond furnished under the contract to remain in force and effect for said amount until the expiration of said one (1) year period.

SECTION 39. LIQUIDATED DAMAGES

Subsection 6-9 of the Standard Specifications is hereby amended as follows:

- (a) Failure of the Contractor to complete the work within the time allowed will result in damages being sustained by the City. Such damages are, and will continue to be, impracticable and extremely difficult to determine. For each consecutive calendar day in excess of the time specified for completion of the work (as adjusted), the Contractor shall pay to the Agency, or have withheld from monies due it, the sum of one thousand dollars (\$1,000.00).

Execution of the contract under these specifications shall constitute agreement by the City and Contractor that five hundred dollars (\$500.00) per day is the minimum value of the costs and actual damage caused by failure of the Contractor to complete the work within the allotted time, that such sum is liquidated damages and shall not be construed as a penalty, and that such sum may be deducted from payments due the contractor if such delay occurs.

- (b) In addition to the liquidated damages specified, if the Contractor fails to complete the work within the time specified for completion, plus any authorized time extensions, the Agency shall have the right to charge to the Contractor all or any part, as it may deem proper, of the actual costs of inspection, supervision and other overhead expenses that are directly chargeable to the Project and that accrue after the expiration of such specified time for completion plus authorized extensions. This charge will be in addition to the payment of liquidated damages.

SECTION 40. PROVISIONS REQUIRED BY LAW DEEMED INSERTED

Each and every provision of law and clause required by law to be inserted in the Contract Documents, which is not so inserted, shall be deemed to be inserted herein and the contract shall be read and enforced as though it were included herein, and if through mistake or otherwise any such provision is not inserted, or is not correctly inserted, then upon application of either party the contract shall forthwith be physically amended to make such insertion or correction.

SECTION 41. MISCELLANEOUS PROVISIONS

- (a) Governing Laws: The Contract Documents shall be construed and interpreted in accordance with and shall be governed and enforced in all respects according to the laws of the State of California.
- (b) No Waiver: The waiver by any party of a breach of any provision of the Contract Documents shall not be deemed a continuing waiver or a waiver of any subsequent breach whether of the same or of another provision hereof.
- (c) Attorneys' Fees: If any legal action is necessary to enforce or interpret the terms of the Contract Documents, the prevailing party shall be entitled to reasonable attorney's fees, expert witness fees, costs, and necessary reimbursements in addition to any other relief to which said party may be entitled.
- (d) Authority to Execute: The persons executing the Contract Documents on behalf of each party warrant that he/she is duly authorized to execute and deliver the Contract Documents on behalf of the respective party for whom he/she signs, and that by so executing the Contract Documents, each party is bound by the provisions of the Contract Documents.
- (e) Severability: If any term, provision, covenant or condition of the Contract Documents is held to be invalid, void or otherwise unenforceable, to any extent, by any court of competent jurisdiction, the remainder of the Contract Documents shall not be affected thereby, and each term, provision, covenant or condition of the Contract Documents shall be valid and enforceable to the fullest extent permitted by law.
- (f) No Third-Party Rights: Except for rights expressly set forth in the Contract Documents, execution and delivery of the Contract Documents shall not be deemed to confer any rights upon, directly, indirectly or by way of subrogation, nor obligate either of the parties hereto to any person or entity other than each other and their respective affiliates.
- (g) Headings: The headings in the Contract Documents are for convenience of reference only, and shall not limit or otherwise affect the meaning of the Contract Documents.
- (h) Modifications and Communications: Neither the Contract Documents nor

any provision hereof may be changed, waived, discharged or terminated orally or in writing, except that any provision of the Contract Documents may be amended by a writing signed by the parties, and the observance of any provision of the Contract Documents may be waived (either generally or in a particular instance in either retroactively or prospectively) by a writing signed by the party against whom such waiver is to be asserted. Any action, including but not limited to any request, approval, change in work request, extension request, and any communication, called out for by the Contract Documents shall only be binding on the respective parties if made a writing signed by the parties consistent with the terms of the Contract Documents.

CITY OF LA PALMA
SPECIAL PROVISIONS
FOR
PAVEMENT REHABILITATION
OF
RESIDENTIAL STREETS
WITH
ASPHALT RUBBER OVERLAY (ARHM)
CITY PROJECT NO. ST-337

I. GENERAL

- A. STANDARD SPECIFICATIONS: All work embraced herein shall be accomplished in accordance with the Technical Parts of the Standard Specifications for Public Works Construction, latest edition plus any supplements, published by BNi Publications, Inc., 1612 S. Clementine Street, Anaheim, California 92802 (hereinafter referred to as the "Standard Specifications"). For purposes of the Special Provisions, "Technical Parts" refers to all parts of the Standard Specifications other than Part 1 – General Provisions. The Contractor's attention is drawn to the fact that the latest edition (not the latest edition at the time the Notice Inviting Sealed Bids is signed by the City Engineer) of the Technical Parts of the Standard Specifications applies to the Project. The Technical Parts of the Standard Specifications are incorporated herein as truly as if fully set forth herein, except as modified by the Contract Documents. Where provisions of the Technical Parts of the Standard Specifications and the Contract Documents conflict, the Contract Documents shall prevail.
- B. DEFINITION OF TERMS: For purposes of the Special Provisions, wherever in the Standard Specifications the terms below are used, they shall be understood to mean and refer to the following:
1. "Agency" - The City of La Palma, California.
 2. "Board" - The La Palma City Council.
 3. "Engineer" - The La Palma City Engineer, acting either directly or through authorized agents.
 4. Other terms appearing in the Standard Specifications shall have the intent and meaning specified in Section 1 of the Standard Specifications.
- C. PROJECT PLANS: The location of the work, its general nature, extent, form and detail of the various features are shown on drawings, schedules, and standard plans, bound herein accompanying and made a part of these provisions.
- D. WATER POLLUTION: The contractor shall comply with the requirements of Subsection 7-8.6 of the Standard Specifications and shall conduct his or her operations so as to prevent Portland cement, mud, silt, or other materials from entering the surface drainage structures of the adjoining streets and the underground storm drainage system.

Prior to commencement, the contractor shall provide, in detail, his or her method and procedure to assure that it will comply with the current NPDES requirements of "Stormwater Pollution Prevention Plan". (SWPPP) and/or "Water Quality Management Plan" (WQMP).

Full compensation for prevention of water pollution and all required control work for preservation, clean-up and restoration of damaged property shall be considered as included in the prices paid for the various contract items of work and no additional compensation will be allowed thereof.

- E. SOUND CONTROL REQUIREMENTS: The Contractor shall comply with all local sound control and noise level rules, regulations and ordinances which apply to any work performed pursuant to the contract.

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

The noise level from the Contractor's operations, between the hours of 8:00 P.M. and 7:00 A.M., shall not exceed 86 dBA at a distance of 50 feet. This requirement in no way relieves the Contractor from responsibility for complying with local ordinances regulating noise level.

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

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

II. PUBLIC CONVENIENCE AND SAFETY

- A. GENERAL: In addition to the requirements specified in Subsection 7-10 of the Standard Specifications, traffic control shall conform to the provisions of the latest edition of the State of California, Department of Transportation, "Manual on Uniform Traffic Control Devices".
- B. SAFETY DEVICES: Should the Contractor appear to be neglectful or negligent in furnishing warning and protective measures, the City Engineer may direct attention to the existence of a hazard and the necessary warning and protective measures shall be furnished and installed immediately by the Contractor at his or her expense. Should the City Engineer point out the inadequacy of warning and protective measures, such action on the part of the City Engineer shall not relieve the Contractor from responsibility for public safety or abrogate his or her obligation to furnish and pay for these devices.

Prior to beginning any construction, the Contractor shall furnish the City Engineer with emergency phone numbers where he or she or a representative may be contacted during non-working hours or days for the purpose of replacing or providing additional warning or safety devices as directed by the City Engineer within 2 hours.

If the Contractor cannot be contacted or if attention is directed to the existence of a hazard and the Contractor fails to provide the necessary safety devices, said devices will be placed, or caused to be placed, by the City. The cost of placement of these devices shall be the sole responsibility of the Contractor and shall be paid for at the rate of \$50 per call-out plus \$25 per traffic control device for each 24 hours, or fraction thereof, that the device is required. Said costs shall be deducted from the total contract price for the work.

The Contractor shall remove any unnecessary traffic control devices from the work area in a timely manner. Should the Contractor fail to comply, upon notice from the City, within two (2) hours, City Staff will remove the devices and back-charge the Contractor at the rate of \$100.00 per instance requiring the City to complete a removal. These charges will be withheld from payments due the Contractor.

The Contractor shall, overnight and on weekends, monitor the condition of his or her traffic control devices for proper placement and safety. Should the City be notified of improper placement of these devices, the City Staff will make necessary corrections and back-charge the Contractor at the rate of \$100.00 per instance. These charges will be withheld from payments due the Contractor.

- C. TRAFFIC BARRICADE: The Contractor shall be responsible for adequate barricading of the work area and controlling of traffic in the vicinity of the Project as specified in Subsection 7-10 of the Standard Specifications, or as directed by the City Engineer. On major streets, traffic maintenance shall conform to the provisions in Section 7-10.2, and these Special Provisions.

The Contractor shall prepare traffic control plans (TMPs) for approval from the City Engineer.

Cost for barricading, traffic control, TMPs shall be included in the bid price under Contract Item "Mobilization and Traffic Control" or under individual items and no additional compensation shall be made therefore.

- D. TRAFFIC AND ACCESS: The Contractor shall provide safe and continuous passage for pedestrian and vehicle traffic at all times. Emergency vehicles shall be permitted to pass through the work area without delay at all times.

The Contractor shall provide and maintain all necessary flagmen, barricades, delineators, signs, flashers, and any other equipment as set forth in the Work Area Traffic Control Handbook (W.A.T.C.H.) prepared by the Southern California Chapter of the American Public Works Association, latest edition, or the State of California Department of Transportation "Manual of Warning Signs, Lights and Devices for use in Performance of Work Upon Highways", latest edition; or as required by the City Engineer to insure safe passage of traffic.

The minimum taper allowed for transitional traffic from one lane to another shall be as follows:

<u>TRAFFIC SPEED (mph)</u>	<u>TAPER LENGTH (ft.)</u>
25	150
30	200
35	250
40	350
45	550
50	600

- E. LANE CLOSURES: Lane closures will not be permitted before 8:30 a.m. or after 4:30 p.m. in the arterial and secondary streets, and before 7:30 a.m. or after 4:30 p.m. in the local/residential streets, unless a request, in writing, has been received and approved by the City Engineer at least 72 hours in advance of the work.

No work shall commence prior to, or after the aforementioned hours.

The Contractor shall pay the Agency the sum of \$100 for every 15 minute interval, or portion thereof, whenever traffic lanes are closed or work commence and/ or continue other than as specified above, which the parties agree is a reasonable estimate of the cost the Agency shall incur because of any interference in traffic flows caused by the Contractor. No overnight lane closure shall be permitted without prior approval of the Agency.

The Contractor shall use flashing arrow signs for lane closures unless otherwise authorized by the City Engineer in advance of the work. Trench plates shall be of the non-skid type and shall be pinned to prevent movement. The plates shall be ramped with temporary AC.

- F. REMOVAL OF OFFICIAL SIGNS: In accordance with the requirement of Section 21464 of the Vehicle Code of the State of California, no person shall without lawful authority remove any official traffic control devices, guidepost or signpost placed or erected as authorized or required by law. Therefore, any such existing traffic control device, guidepost, or signpost located within alignment of or interfering with the new construction work required herein, shall not be removed or relocated without first obtaining permission to do so from the City Engineer.
- G. NOTIFICATION OF AFFECTED RESIDENCES AND BUSINESSES: Written notification shall be provided to residences and businesses fronting the Project alignment. Notify these parties 72 hours in advance of construction that will affect these properties. Door hangers or other means of notification shall be submitted to and approved in advance by the City Engineer.

III. SITE CLEANING

All debris resultant from the Contractor's excavation or construction operation shall be removed from the site the same day at the Contractor's expense. No excess materials shall be dumped or drained into the storm sewer. All materials removed shall be disposed of outside of the right-of-way, which shall be left with a clean and finished appearance.

IV. NOTIFICATION OF AGENCIES

The following entities shall be notified at least 72 hours in advance of any street closure or restriction to access by the Contractor. Coordination of established service schedules will be available to the Contractor at the pre-construction meeting.

1. City Engineer
2. Fire Department
3. Police Department
4. Disposal & Street Sweeping Companies
5. Post Office
6. Affected School Districts
7. Residents within Project area
8. Any others that are determined by the City Engineer, as necessary to be notified.

V. CONSTRUCTION YARD

It shall be the Contractor's responsibility to locate any storage sites for materials and equipment needed and such sites must be approved in advance by the City Engineer.

When storage sites are located on private properties, the Contractor shall be required to submit to the City Engineer written approval from the record owner authorizing the use of his or her property by the Contractor.

VI. SANITARY CONVENIENCE

Necessary sanitary facilities for the use of workers on work, properly secluded from public observation and in compliance with health ordinances and laws, shall be constructed and maintained in an approved manner by the Contractor, and their use shall be strictly enforced by the Contractor.

VII. CONFERENCE

The Contractor shall arrange for a pre-construction conference with the City Engineer and City Staff, which shall be held a minimum of five (5) working days prior to commencement of any work. The Contractor shall have his or her equipment available for inspection by the City Engineer at the time of the pre-construction conference.

VIII. PAYMENT

The lump sum or unit price paid for contract bid items shall include full compensation for furnishing all labor, materials, testing, tools, equipment and incidentals for constructing complete in place, as shown on the Plans, in these specifications, or as directed by the City Engineer.

IX. "AS-BUILT" PLANS

The Contractor is required to submit to the City Engineer "As-Built" mark-up plans prior to final acceptance of the work. The plan shall indicate in red all deviations from the contract plans.

CITY OF LA PALMA
TECHNICAL PROVISIONS
FOR
PAVEMENT REHABILITATION
OF
RESIDENTIAL STREETS
WITH
ASPHALT RUBBER OVERLAY (ARHM)
CITY PROJECT NO. ST-337

DESCRIPTION OF WORK:

The scope of work in general consists of the following operations as shown in these specifications.

Removal & Replacement of AC Cold Planing and AC Overlay with Asphalt Rubber Hot-Mix:

1. Cold planing AC from existing pavement, cut below the gutter 5' wide, a 1.5" cut below the pavement or lip of the gutter to 0" at 5' as shown on the Typical Cross Section
2. Placing a 1.5" thick Asphalt Rubber Hot Mix (ARHM) overlay as specified in these Technical Specifications.
3. Adjusting utility valves and manholes to grade.
4. Painting Traffic Striping, Pavement markings, and Markers.
5. Install Caltrans Type "E" Loop Detector [Includes Reconnecting Loop Detector Homeruns] .

BID ITEM NO. (1), MOBILIZATION AND TRAFFIC CONTROL BMP MAINTENANCE

Mobilization and traffic control, including changeable message boards, shall conform to the Standard Specifications, Work area traffic control handbook, and these Special Provisions. Stormwater Pollution Protection Plan shall comply with current requirements of the State General Construction and NPDES Permits. The SWPPP MUST be submitted with material submittals and approved prior to commencement of any work.

The price of this item shall include full compensation for furnishing all labor, materials, tools, equipment and appurtenances which are required to do all work involved in this item as specified.

BID ITEM NO. (2), COLD PLANE EXISTING PAVEMENT:

Cold Planing of existing asphalt pavement construction methods shall conform to the Standard Specifications and these Technical Provisions.

CONSTRUCTION METHODS:

Cold planing shall be 5' wide variable depth cut ranging from a 1.5" below the curbside pavement or edge of gutter to 0" at 5' from the curb or edge of gutter as shown on the Typical Cross Section and these Technical Provisions.

Residue from grinding shall not be permitted to flow or travel into gutters, onto adjacent street surfaces and parkways. All residue shall be completely removed by sweeping and disposed of properly. No washing of residue into gutters and/or drainage structures will be allowed. The grinding residue shall become the property of the Contractor and shall be removed from the site.

The Contractor is required to notify the City Engineer at least two working days prior to and within one day immediately after the cold plane operation so that observations and measurements may be carried out in a timely manner. The Contractor shall remove, scrape or grind all slurry / asphalt residue, from previous applications, from the gutter prior to asphalt resurfacing.

Be advised that Petromat Paving Fabric may be present and no additional compensation shall be allowed for the proper disposal of the material.

MEASUREMENT AND PAYMENT:

Payment for this Bid Item shall be at the contract unit price per linear foot and shall include full compensation for furnishing labor, tools, equipment and incidentals required for cold planing and disposing of grinding material off site in accordance with Standard Specifications and these Technical Provisions and no additional compensation will be allowed therefore.

BID ITEM NO. (3), PLACE RUBBERIZED ASPHALT HOT- MIX OVERLAY 1.5" DEPTH (ARHM):

Placement of Rubberized Hot-Mix Overlay (ARHM) shall conform to the Standard Specifications and these Technical Provisions.

MATERIALS:

Asphalt Rubber Hot-Mix (ARHM) shall conform to the Standard Specifications Section 600 except where provisions of Section 600 state otherwise. Provisions of the Standard Specifications Subsections 203-6.6 and 203-11.5 shall also be applicable. Graded aggregate shall conform to Subsection 600-2.5 of the Standard Specifications and shall be

class ARHM-GG-C ½" PG 64-16.

CONSTRUCTION METHODS:

Placement of Asphalt Rubber Hot-Mix (ARHM) overlay shall conform to the Standard Specifications Subsection 302-9, applicable provisions of Section 600, and the following - Pneumatic Rollers shall not be used.

SURFACE PROFILOGRAPH - If in the opinion of the City Engineer, the ride quality of the street is not acceptable, the Contractor shall, within seven (7) days of placement of the final paving surface, have the surface profiled using a California Profilograph in accordance with California Test 526 and provide the City with an original profile graph. An asphalt concrete profile planer, approved by the City Engineer, shall be used by the Contractor to remove all surface deficiencies in the roadway creating unacceptable ride quality. The City may, at its discretion, delete this item from the Contract if it is determined that the ride quality of the street is acceptable. The cost for this work shall be performed at the Contractor's full expense and no additional compensation will be allowed. It shall be the Contractor's responsibility to correct any surface deficiency that exceeds the tolerances in accordance with Section 39-6.03 of Standard Specifications. The method of repairing any surface deficiency shall be subject to the review and approval of the City Engineer. The time allotted for the Profilograph and any surface repair (as indicated by the Profilograph) shall be included in the Contract Time for this project and no additional time or compensation will be allowed.

MEASUREMENT AND PAYMENT:

Payment for this Bid Item shall be at the contract unit price per ton and shall include full compensation for furnishing all material, labor, tools, equipment and incidentals to place Asphalt Rubber Hot-Mix overlay in accordance with Standard Specifications and these Technical Provisions and no additional compensation will be allowed therefore.

BID ITEM NO. (4), ADJUST UTILITY VALVES TO GRADE:

Adjusting of utility valves to grade construction methods shall conform to Standard Specifications and these Technical provisions.

CONSTRUCTION METHODS:

Utility Valve boxes within the project sites pavement rehabilitation areas shall be set to finish grades by the Contractor as required by City of La Palma Standards.

MEASUREMENT AND PAYMENT:

Payment for this Bid Item shall be per contract unit price of each item of adjustment and shall include full compensation for material, labor, tools, equipment and incidentals and coordination with outside utility companies whenever applicable and no additional compensation will be allowed therefore.

BID ITEM NO. (5), ADJUST MANHOLE COVERS TO GRADE:

Adjusting of manhole covers construction methods shall conform to Standard Specifications and these Technical provisions.

CONSTRUCTION METHODS:

Manhole Covers within the project sites pavement rehabilitation areas shall be set to finish grades by the Contractor as required by City of La Palma Standards.

MEASUREMENT AND PAYMENT:

Payment for this Bid Item shall be per contract unit price of each item of adjustment and shall include all material, labor, tools, equipment and incidentals and coordination for inspection by outside utility companies when applicable and no additional compensation will be allowed therefore.

BID ITEM NO. (6), PAINT TRAFFIC STRIPES AND MARKINGS, INSTALL PAVEMENT MARKINGS:

This work shall consist of painting traffic stripes and pavement markings, markings and legends of the same type and at the same locations as they existed prior to the overlay and reconstruction on this project. It shall be the Contractor's responsibility to locate and identify all existing pavement markings prior to commencement of work, for replacement after work has been completed.

MATERIALS:

Paint and glass spheres for traffic stripes and pavement markings shall be furnished by the Contractor, including paint for cat tracks and dribble lines. White and yellow paint shall be either the Fast Dry or Rapid Dry type at the option of the Contractor.

The paint and glass spheres to be furnished shall conform to the State of California Department of Transportation's current specifications for such materials. Copies of said specifications are available for inspection at the Department's Transportation Laboratory, Sacramento, California.

The pavement marking material shall be Thermoplastic for all pavement legends, limit lines, and crosswalks, and as follows:

Thermoplastic shall be composed of ALKYD/MALEIC THERMOPLASTIC PAVEMENT material that is applied to a road surface in a molten state by extrusion means with a surface application of glass spheres. When applied properly and at the designated thickness and width, the stripe shall, upon cooling, be reflectorized and be able to resist deformation by traffic. Thermoplastic material shall conform to Section 84 of the Standard Specifications of the State of California except as follows:

The Thermoplastic material shall be homogeneously composed of pigment, filler, resins, and glass reflectorizing spheres.

The material manufacturer shall have the option of formulating the material according to his own specifications, however, the solid resin shall comprise a minimum of 8% by weight of the entire material formulation which shall only consist of 100 percent maleic-modified glycerol ester of wood resin with no tall oil derivatives. The physical and chemical properties contained in this specifications shall apply regardless of the type of formulation used. The material upon heating to application temperature shall not exude fumes which are toxic or injurious to persons and property. The specific gravity of the thermoplastic traffic line material shall not be less than 1.95 nor more than 2.15. The pigments, beads and filler shall be uniformly dispersed in the resin. The material shall be free from all skins, dirt and foreign objects and shall be composed by weight of at least 18% binder, 25% glass beads, and 8% titanium dioxide. The binder shall consist of a mixture of synthetic resins, at least one of which is solid at room temperature, and high boiling point plasticizers. At least one-third of the binder composition shall be the solid maleic-modified glycerol ester wood resin and shall be no less than 8% by weight of the entire material formulation. The binder shall not contain petroleum based hydrocarbon resins, tall oil resins, blends of tall oil resin and wood resin or similar derivatives.

Guarantee: The pavement marking material furnished and installed under this contract shall be guaranteed for one year by the Contractor against failure due to blistering, bleeding, excessive cracking, staining, discoloration, oil content of the pavement materials, smearing or spreading under heat, deterioration due to contact to oil or gasoline drippings, chipping, spoiling, poor adhesion resulting from defective materials or methods of application, loss of reflectivity and damage from traffic and wear.

CONSTRUCTION METHODS:

Mechanical means shall be used to paint traffic stripes and pavement markings and to apply the glass spheres for traffic stripes. Rapid Dry type paint shall be applied only with airless type equipment.

Cat tracking shall consist of stretching a rope on a straight line between control points on tangent alignment and on a true arc through control points on curved alignment and placing spots of paint along the rope. The spots shall be no more than 3 inches in width and not more than 5 feet apart on curves and 10 feet apart on tangents. Dribble lines shall consist of marking the pavement with a thin line of paint using a striping machine or other suitable device. Dribble lines shall be on a straight line between control points on tangent alignment and on a true arc through control points on curved alignment. Paint for cat tracks and dribble lines shall be the same color as the traffic stripe for which they are placed.

All work and material shall conform to the requirements of the State of California, Caltrans Standard Specifications, Latest edition, and the latest edition of the State of California Traffic Manual and these specifications.

All permanent restriping and placement of pavement markers on streets shall be done by the Contractor. Permanent restriping shall be in accordance with the requirements of the City of La Palma and as required per Caltrans Standards. It is the City's intent to upgrade

the existing striping channelization from paint only, as is presently the case, to a combination of paint and raised pavement markers as called for on the referenced Caltrans Standards.

All crosswalks, legends, symbols, and markings shall be thermoplastic. All striping shall be painted.

The Contractor shall paint "cat track" striping for approval by the Engineer prior to opening newly paved areas for traffic. The Contractor shall furnish and stall raised pavement markers and thermoplastic markings no sooner than seven (7) days nor later than ten (10) days following restriping.

The Contractor shall place two coats of paint on each type of striped line and pavement marking in accordance with paragraphs 3 and 4, pages 84-5, of Section 84 of the Caltrans Standard Specifications. The first coat shall be applied three (3) days after the pavement surface is placed and the second coat shall be fourteen (14) days thereafter.

The Contractor shall furnish and install one (1) reflective BLUE raised marker on the new pavement for each existing fire hydrant. Its location shall match existing or as directed by the Engineer.

Newly painted traffic stripes and pavement markings shall be protected from damage by public traffic or other causes until the paint is thoroughly dry.

MEASUREMENT AND PAYMENT:

Payment of this Bid Item shall be per lump sum contract price and shall include full compensation for removal of stripes and markings, cat tracking, painting traffic stripes, placement of raised pavement markers and thermoplastic pavement markings consisting of legends and crosswalks.

BID ITEM NO. (7), INSTALLING TRAFFIC LOOP DETECTORS & RECONNECT LOOP DETECTORS HOMERUNS

MATERIALS:

Detector Sensors shall be rack-mounted Reno A&E sensors with call hold and call delay and vehicle count capabilities features as well as self-diagnostic circuitry. Loop wire shall be Type 2. Loop detector lead-in cable shall be Type B. All loops shall be Type E.

CONSTRUCTION METHODS:

Existing controller assembly and cabinet shall be modified to provide new loop detection operation as shown on the intersection construction print.

The sides of the slot shall be vertical and the minimum radius of the slot entering and leaving the circular part of the loop shall be 1.5 inches. Slots shall be filled with hot-melt rubberized asphalt sealant.

Loop conductors and sealant shall be installed on the same day in which the loop slots are

cut. Loops shall be megger-tested to the satisfaction of the Engineer and shall have three (3) turns unless otherwise approved by the Engineer.

Where sawed slots cross to different types of pavement material or two different panels of P.C.C. pavement, a ¾" PVC pipe shall be installed across the joint as shown in "curb termination, detail, Type B" on Standard Plan E5 – 5E, to contain loop conductors and act as an expansion/deflection fitting.

Residue resulting from slot cutting operation shall not be permitted to flow across shoulders or lanes occupied by public traffic and shall be removed from the pavement surface.

MEASUREMENT AND PAYMENT:

Payment of this Bid Item shall be per contract unit price of each item of installing traffic loop detectors and shall include full compensation for material, labor, tools, equipment and incidentals including reconnecting loop detector homeruns in accordance with Standard Specifications and these Technical Provisions and no additional compensation will be allowed therefore.

CITY OF LA PALMA
PAVEMENT REHABILITATION
OF
RESIDENTIAL STREETS
WITH
ASPHALT RUBBER OVERLAY (ARHM)

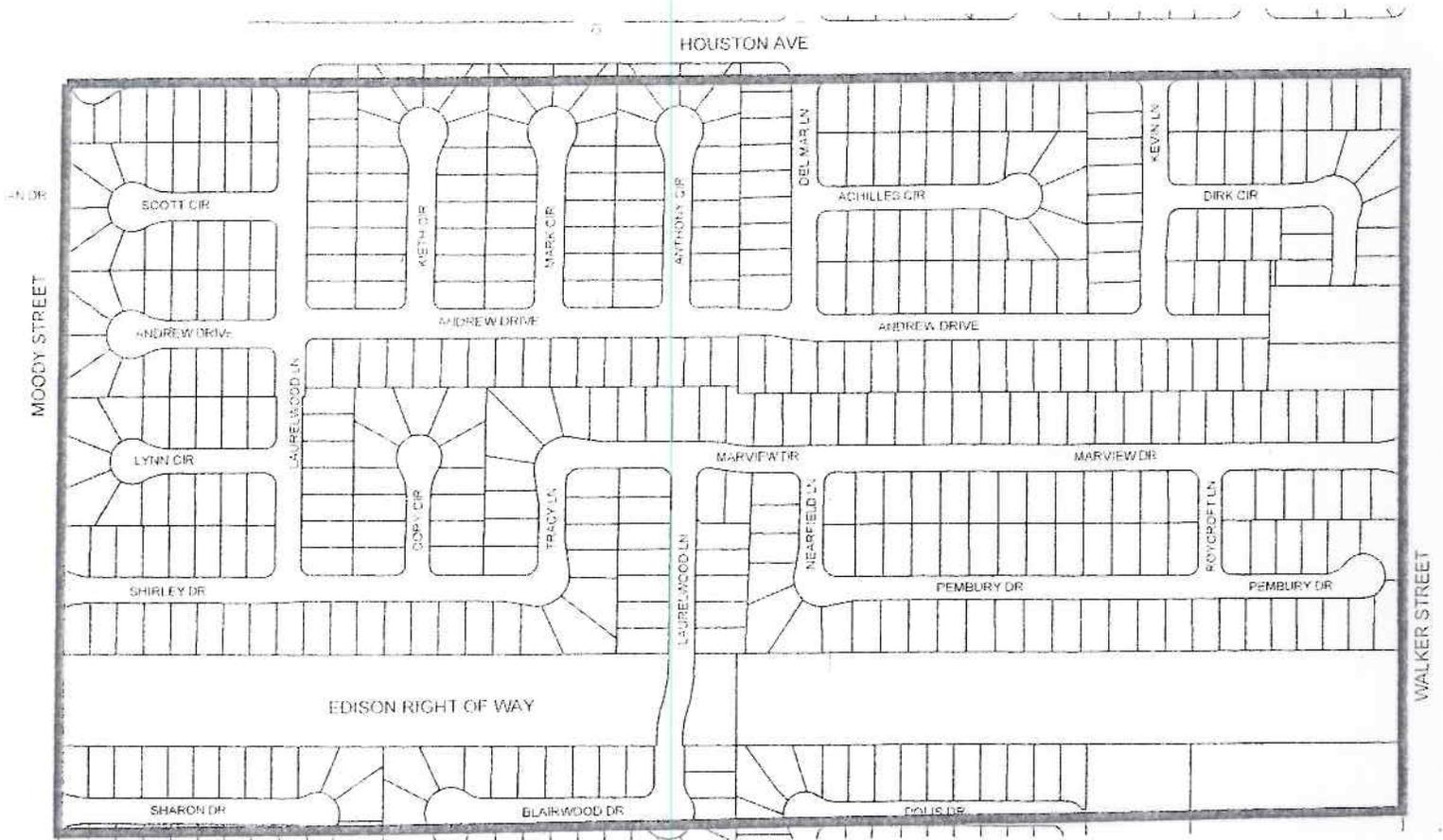
CITY PROJECT NO. ST-337

STANDARD PLANS

CITY OF LA PALMA STANDARD PLANS

CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS:

AREA MAP FOR RESIDENTIAL PAVEMENT REAHBILTATION CITY PROJECT ST-337



CITY RESIDENTIAL STREETS REHABILITATION 5 FOOT EDGE GRIND

	STREET NAME	LIMITS		Width L.F.	Length L.F.	Area L.F.
		from	to			
1	Achilles Cir.	e/ Del Mar	end	32	313	626
2	Andrew Dr.	e/ Indigo	e/ Kevin	32	1,830	3,660
3	Andrew Dr.	w/ Indigo	end	32	330	660
4	Anthony Cir.	Andrew	s/ Houston	32	384	768
5	Cory Cir.	n/ Shirley	end	32	268	536
6	Del Mar Ln.	Houston	Andrew	36	491	982
7	Dirk Cir.	Kevin	end	32	520	1,040
8	Indigo Ln.	Shirley	Houston	36	989	1,978
9	Keith Cir.	Andrew	Houston	32	380	760
10	Kevin Ln.	Andrew	Houston	36	440	880
11	Laurelwood Ln.	Blairwood	Marview	36	713	1,426
12	Lynn Cir.	Moody	Indigo	32	318	636
13	Mark Cir.	Andrew	Houston	32	380	760
14	Marview Dr.	Tracy	Walker	36	1,591	3,182
15	Nearfield Ln.	Pembury	Marview	32	180	360
16	Pembury Dr.	Nearfield	Walker	32	1,001	2,002
17	Roycroft Ln.	Pembury	Marview	32	208	416
18	Scott Cir.	Moody	Indigo	32	323	646
19	Shirley Dr.	Moody	Tracy	36	964	1,928
20	Tracy Ln.	Shirley	Marview	36	250	500

11,873 23,746

CITY RESIDENTIAL STREETS REHABILITATION

	STREET NAME	LIMITS		Manholes	Valves
		from	to		
1	Achilles Cir.	e/ Del Mar	end	2	3
2	Andrew Dr.	e/ Indigo	e/ Kevin	9	15
3	Andrew Dr.	w/ Indigo	end	1	2
4	Anthony Cir.	Andrew	s/ Houston	1	1
5	Cory Cir.	n/ Shirley	end	2	1
6	Del Mar Ln.	Houston	Andrew	2	3
7	Dirk Cir.	Kevin	end	3	5
8	Indigo Ln.	Shirley	Houston	7	11
9	Keith Cir.	Andrew	Houston	2	1
10	Kevin Ln.	Andrew	Houston	1	2
11	Laurelwood Ln.	Blairwood	Marview	2	5
12	Lynn Cir.	Moody	Indigo	1	1
13	Mark Cir.	Andrew	Houston	2	1
14	Marview Dr.	Tracy	Walker	9	11
15	Nearfield Ln.	Pembury	Marview	1	0
16	Pembury Dr.	Nearfield	Walker	4	8
17	Roycroft Ln.	Pembury	Marview	0	1
18	Scott Cir.	Moody	Indigo	1	1
19	Shirley Dr.	Moody	Tracy	6	8
20	Tracy Ln.	Shirley	Marview	1	0
TOTAL				57	80

LETTERED AS SPECIFIED

SEWER OR STORM DRAIN

SQUARE BLOCK TREAD

CL

LIFTING SLOT

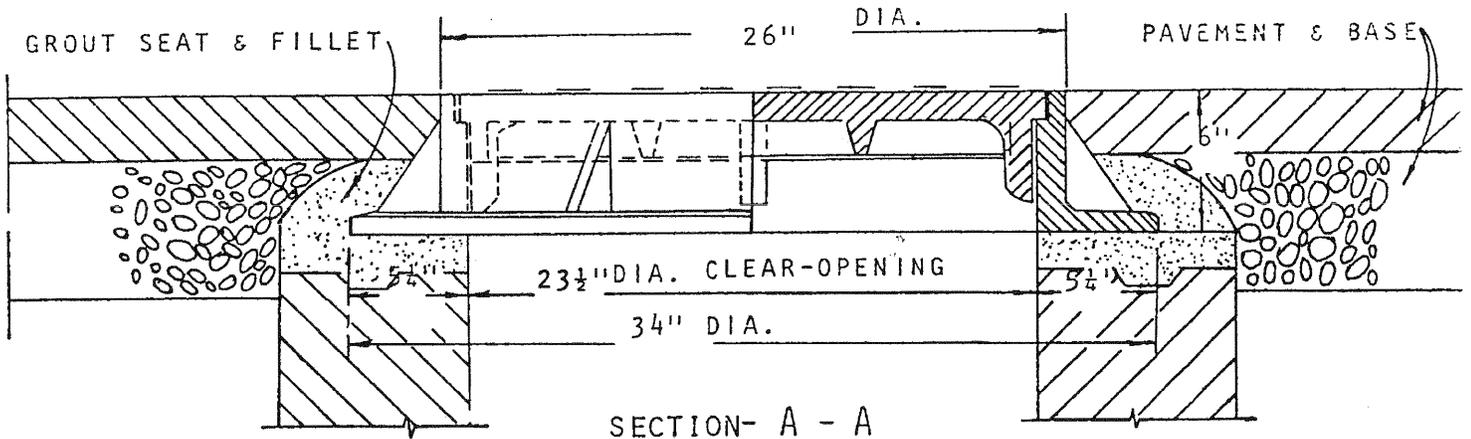
A

ALHAMBRA FOUNDRY
#A-1270 OR EQUAL
TOTAL WEIGHT=440 LBS.
(FRAME & COVER)

3/4" DIA. VENT-HOLE

A

PLAN REVIEW



SECTION- A - A
ELEVATION

NOTE:

FOR 36" MANHOLE OPENING
USE ALHAMBRA FOUNDRY
#A-1251 OR EQUAL.

APPROVED:

5-12-77
DATE

Edward E. Rice
RCE16776
CITY ENGINEER

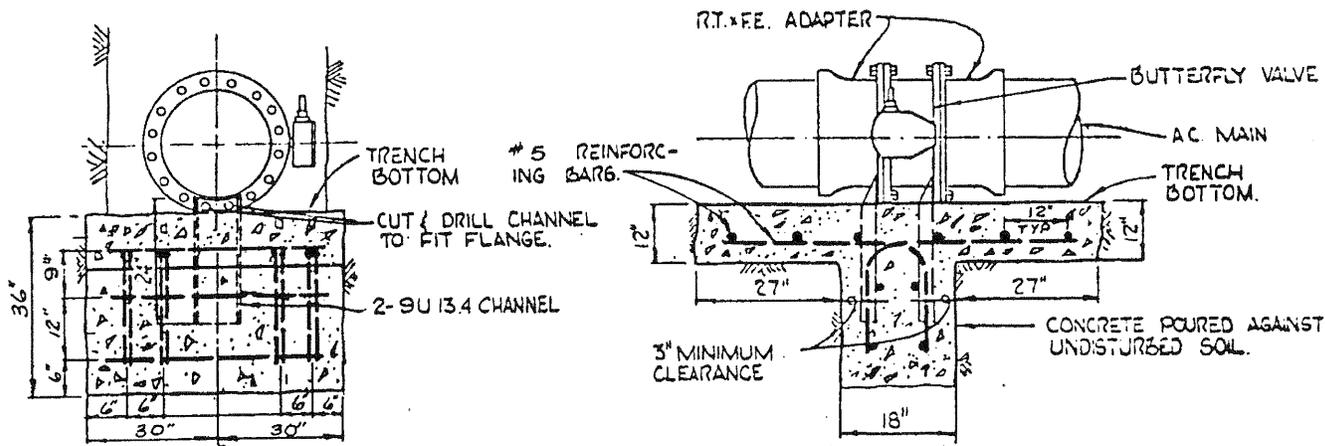
CITY OF LA PALMA

STD. PLAN

510

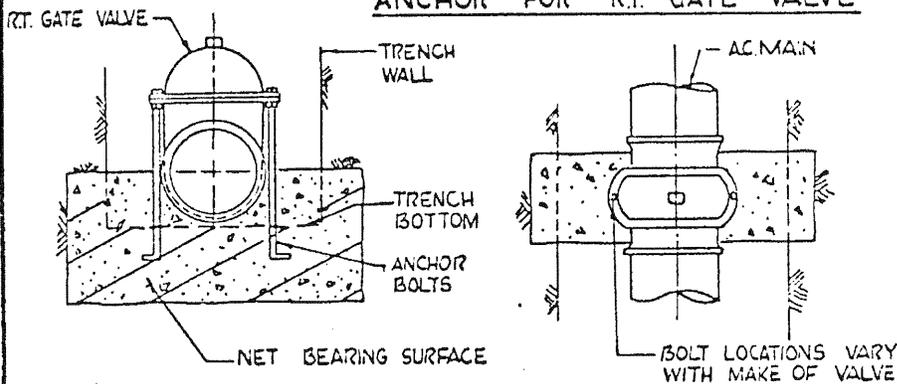
MANHOLE FRAME & COVER

ANCHOR FOR BUTTERFLY VALVE



1. NUTS BOLTS AND WASHERS SHALL BE HOT DIPPED GALV.
2. CHANNEL IRON TO BE SHOP COATED WITH KOPPERS BITUMASTIC SUPER TANK SOLUTION.

ANCHOR FOR R.T. GATE VALVE

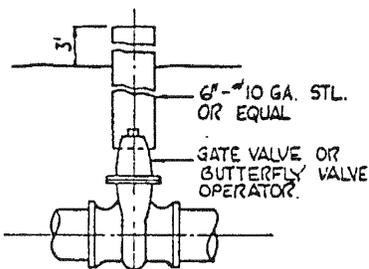


VALVE SIZE	ANCHOR DIA	BOLTS LENGTH	NET BEARING SURFACE
4"	12"	18"	1.5 SQ. FT.
6"	5/8"	18"	3 SQ. FT.
8"	5/8"	24"	5 SQ. FT.
10"	5/8"	24"	8 SQ. FT.
12"	5/8"	30"	12 SQ. FT.
14"	3/4"	30"	16 SQ. FT.

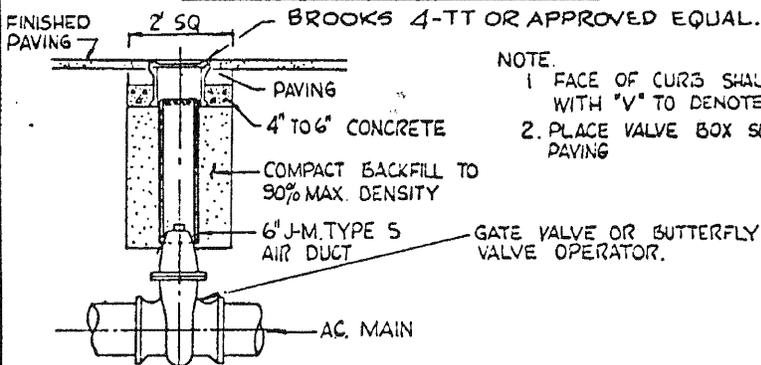
NOTE

1. NET BEARING SURFACES ARE DESIGNED AGAINST UNDISTURBED SOIL WITH A SAFE LATERAL BEARING VALUE OF 1500 LBS/SQ. FT. ADJUSTMENT SHALL BE MADE FOR OTHER SOILS.
2. NUTS BOLTS & WASHERS SHALL BE HOT DIPPED GALV.

TEMPORARY VALVE BOX



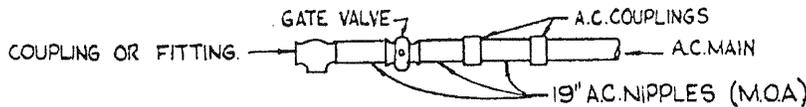
PERMANENT VALVE BOX



NOTE

1. FACE OF CURB SHALL BE MARKED WITH "V" TO DENOTE VALVE LOCATION
2. PLACE VALVE BOX SLIGHTLY BELOW PAVING

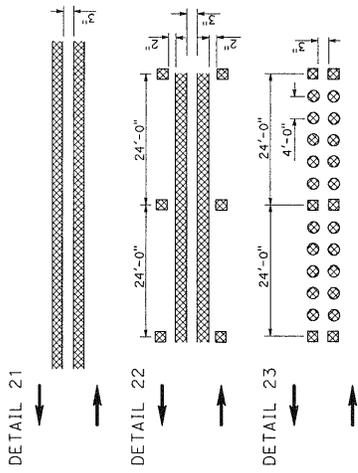
TYPICAL R.T. GATE VALVE INSTALLATION.



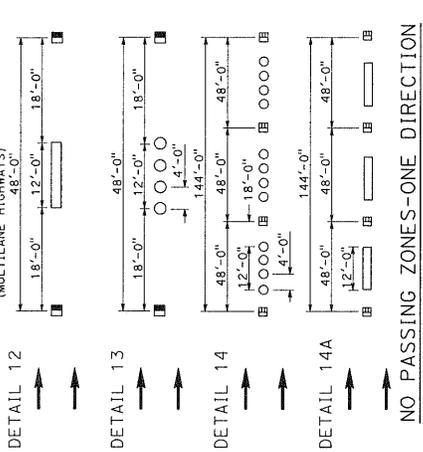
APPROVED 5-12-77 DATE	Edward E. Rice RCE 1677B CITY ENGINEER	CITY OF LA PALMA	STD. PLAN 703
<h2 style="margin: 0;">VALVE AND VALVE BOX INSTALLATION</h2>			

DIST COUNTY ROUTE POST MILELET SHEET TOTAL SHEETS
 REGISTERED CIVIL ENGINEER
 David E. Dorey
 No. C48402
 Exp. 3-31-07
 May 1, 2006 DATE
 The State of California or its officers or agents shall be responsible for the accuracy and completeness of electronic copies of this plan.
 To get to the California web site go to: <http://www.dgs.ca.gov>

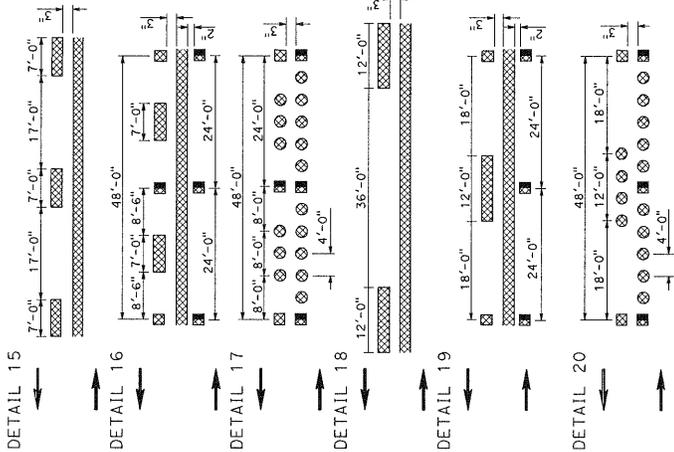
NO PASSING ZONES-TWO DIRECTION



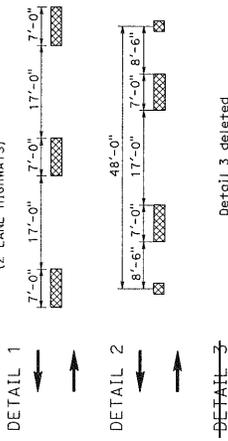
LANELINES (CONT)



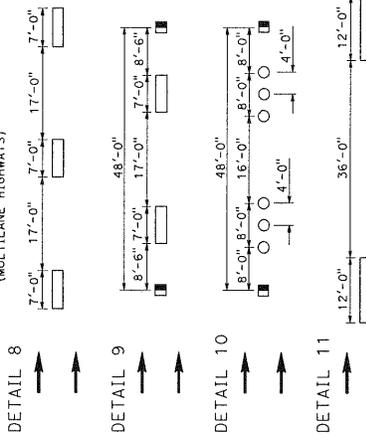
NO PASSING ZONES-ONE DIRECTION



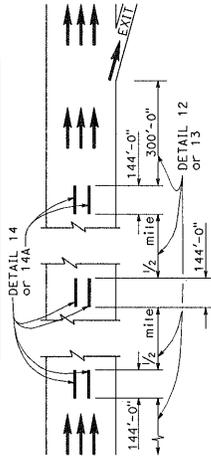
CENTERLINES (2 LANE HIGHWAYS)



LANELINES (MULTILANE HIGHWAYS)



TYPICAL LANE LINE DELINEATION IN ADVANCE OF EXIT RAMP

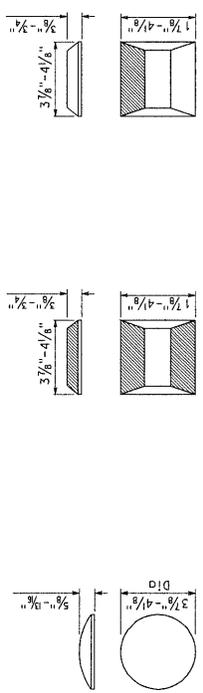


NOTE: Detail 14 is to be used in combination with Detail 13. Detail 14A is to be used in combination with Detail 12.

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
 →

MARKER DETAILS



TYPE A & TYPE AY

TYPE C & TYPE D

TYPE G & TYPE H

Retroreflective Face

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
PAVEMENT MARKERS AND TRAFFIC LINES TYPICAL DETAILS

NO SCALE A20A

PROFESSIONAL ENGINEER
 REGISTERED CIVIL ENGINEER
 No. 46402
 Exp. 3-31-07
 State of California
 May 1, 2006
 PLANS APPROVAL DATE
 I hereby certify that I am a duly Licensed Professional Engineer in the State of California and I am responsible for the accuracy of the information shown on these plans. I am not responsible for the completeness or electronic copies of this plan.

LEGEND

MARKERS

- TYPE AY Yellow Non-reflective
- TYPE D Two-way Yellow Retroreflective
- TYPE H One-way Yellow Retroreflective

LINES

- 4" White
- 4" Yellow

Direction of Travel

MEDIAN ISLANDS

DETAIL 28

DETAIL 29

DETAIL 30

DETAIL 31

LEFT EDGELINES
 (DIVIDED HIGHWAYS)

DETAIL 24

DETAIL 25

DETAIL 25A

DETAIL 26

DETAIL 27

RIGHT EDGELINES

DETAIL 27A deleted

DETAIL 27B

DETAIL 27C

INTERSECTION TREATMENTS

DETAIL 34

DETAIL 34A

DETAIL 35

DETAIL 35A

TWO-WAY LEFT TURN LANES

DETAIL 32

DETAIL 33

RIGHT EDGELINE EXTENSION THROUGH INTERSECTIONS

DETAIL 27C

MARKER DETAILS

TYPE AY

TYPE D

TYPE H

Retroreflective Face

INTERSECTION TREATMENTS

DETAIL 34

DETAIL 34A

DETAIL 35

DETAIL 35A

TWO-WAY LEFT TURN LANES

DETAIL 32

DETAIL 33

RIGHT EDGELINE EXTENSION THROUGH INTERSECTIONS

DETAIL 27C

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKERS AND TRAFFIC LINES TYPICAL DETAILS

NO SCALE

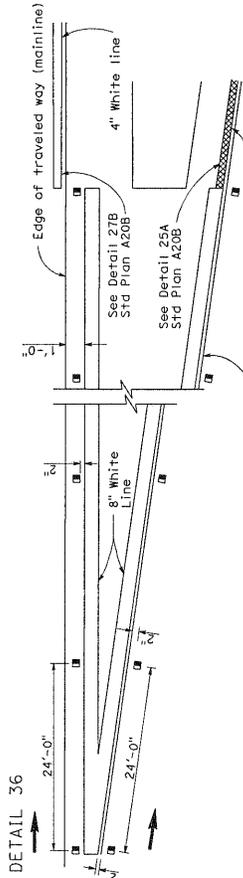
A20B

DIST. COUNTY. ROUTE. TOTAL SHEETS. SHEET NO.

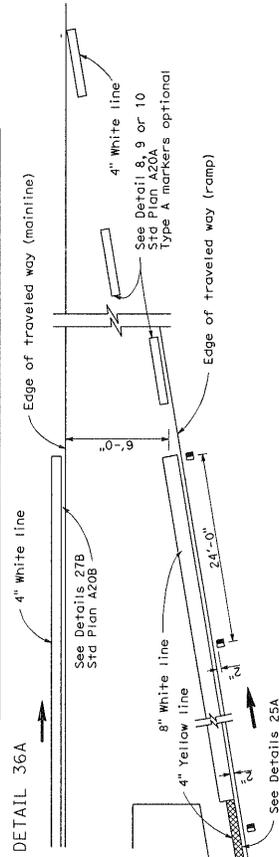
REGISTERED CIVIL ENGINEER
Donald E. Hume
 No. CAE402
 State of California
 PROFESSIONAL ENGINEER
 CIVIL
 No. 33-31-07
 State of California

DATE: MAY 1, 2006
 PROJECT: 2006 STANDARD PLAN A20C
 DRAWING: Pavement Markers and Traffic Line
 The Engineer shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.
 To go to the Caltrans web site, go to: <http://www.caltrans.gov>

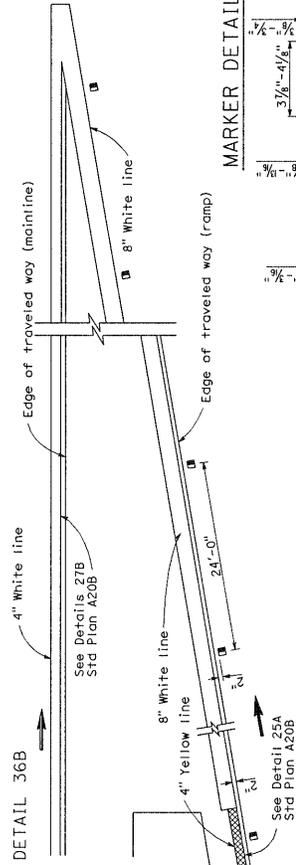
EXIT RAMP NEUTRAL AREA (GORE) TREATMENT



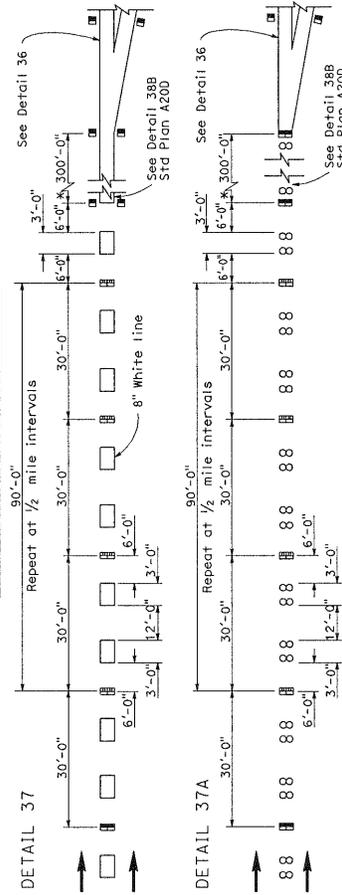
ENTRANCE RAMP NEUTRAL AREA (MERGE) TREATMENT



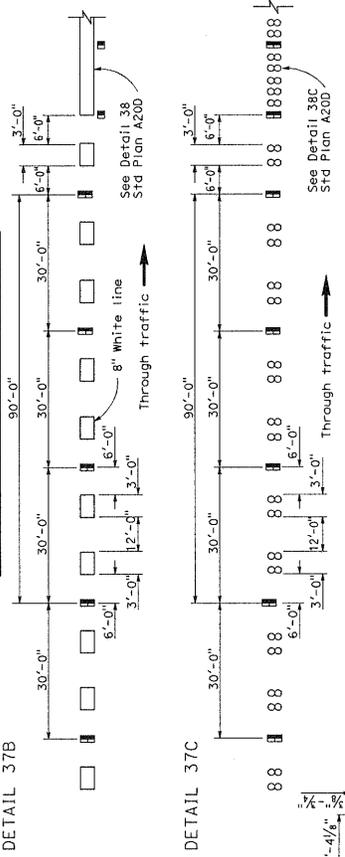
ENTRANCE RAMP NEUTRAL AREA (ACCELERATION LANE) TREATMENT



LANE DROP AT EXIT RAMP

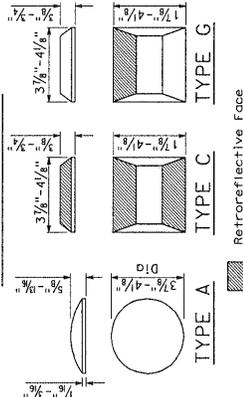


LANE DROP AT INTERSECTIONS



* The solid channelizing line shown may be omitted on short auxiliary lanes where weaving length is critical.

MARKER DETAILS

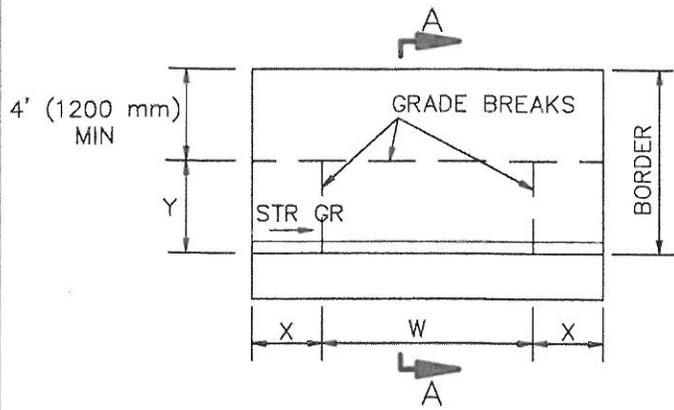


- LEGEND
- MARKERS
- TYPE A White Non-reflective
 - ◻ TYPE C Red-clear Retroreflective
 - ◻ TYPE G One-way Clear Retroreflective
 - Direction of Travel

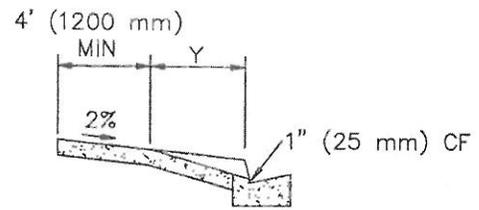
STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION
**PAVEMENT MARKERS
 AND TRAFFIC LINE
 TYPICAL DETAILS**

NO SCALE

A20C

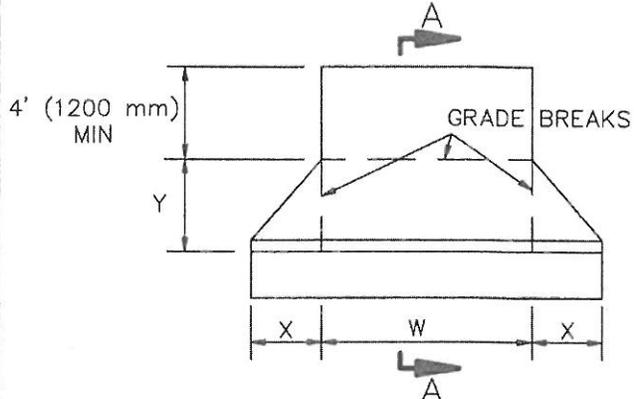


TYPE A

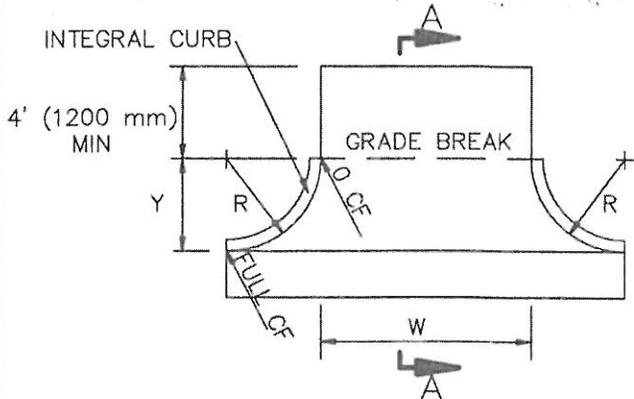


SECTION A-A

CURB FACE, inches (mm)	X, inches (mm)	Y, inches (mm)
6" (150) or less	3'-0" (900)	4'-0" (1200)
7" (175)	3'-6" (1050)	4'-9" (1425)
8" (200)	4'-0" (1200)	5'-8" (1700)
9" (225)	4'-6" (1350)	6'-6" (1950)
10" (250)	5'-0" (1500)	7'-3" (2175)
11" (275)	5'-6" (1650)	8'-0" (2400)
12" (300) or more	6'-0" (1800)	8'-9" (2625)



TYPE B



TYPE C

NOTES:

1. RESIDENTIAL DRIVEWAYS SHALL BE 4" (100 mm) THICK PCC.
2. COMMERCIAL DRIVEWAYS SHALL BE 6" (150 mm) THICK PCC.
3. WEAKENED PLANE JOINTS SHALL BE INSTALLED AT BOTH SIDES OF A DRIVEWAY AND AT 10' (3.0 m) INTERVALS.
4. CURB FOR TYPE C DRIVEWAY SHALL BE INTEGRAL AND MATCH ADJACENT CONSTRUCTION.
5. REFER TO LOCAL DEVELOPMENT REGULATIONS FOR AMERICANS WITH DISABILITIES ACCESS REQUIREMENTS AND MAXIMUM PERMITTED DRIVEWAY WIDTHS.

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

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

DRIVEWAY APPROACHES

STANDARD PLAN

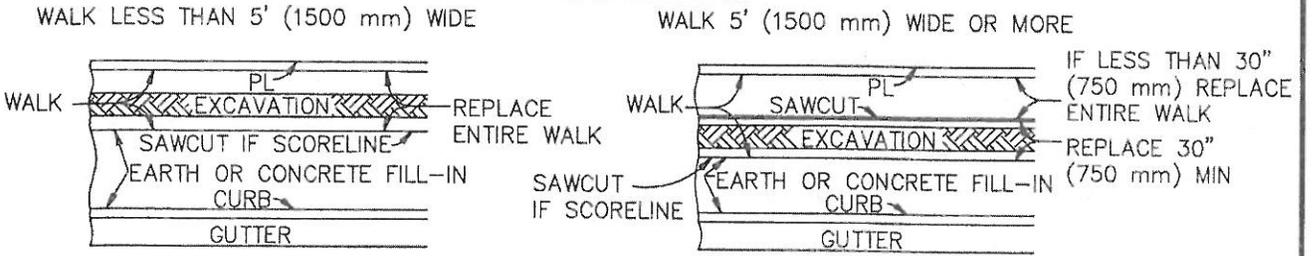
110-2

USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

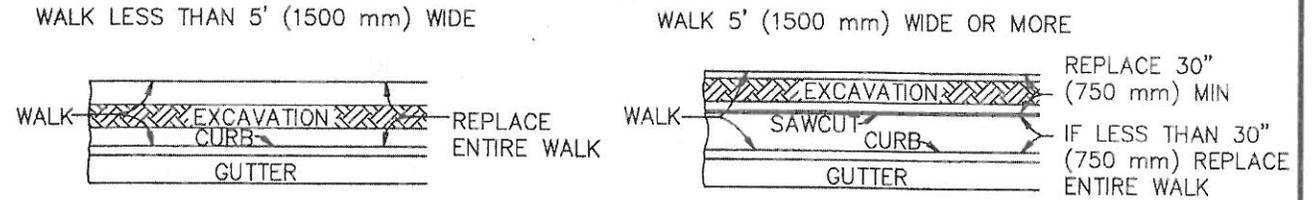
SHEET 1 OF 1

WALK OR FILL-IN REPLACEMENT FOR EXCAVATIONS MADE PARALLEL TO CURB OR PROPERTY LINE

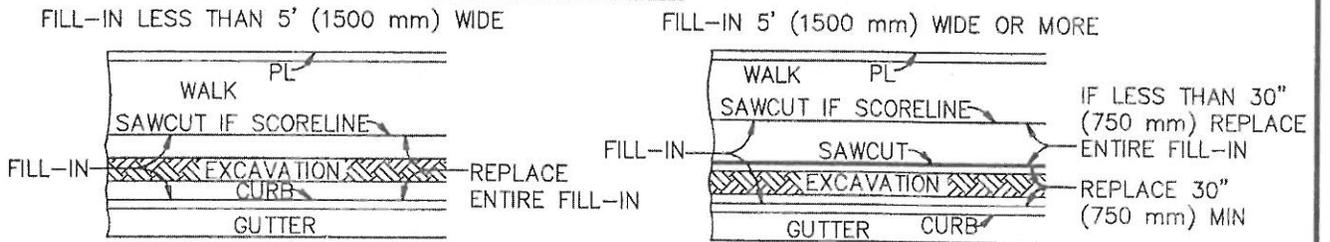
WALK ADJACENT TO PROPERTY LINE



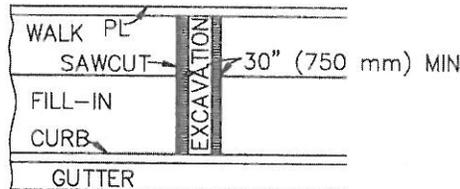
WALK ADJACENT TO CURB



FILL-IN REPLACEMENT



WALK OR FILL-IN REPLACEMENT FOR EXCAVATIONS MADE NORMAL TO CURB OR PROPERTY LINE



THESE REQUIREMENTS ALSO APPLY TO ENDS OF PARALLEL EXCAVATIONS.

IF AN EXCAVATION FALLS WITHIN 30" (750 mm) OF AN EXPANSION JOINT, CONSTRUCTION JOINT, WEAKENED PLANE JOINT, OR EDGE, THE CONCRETE SHALL BE REMOVED AND REPLACED TO THE JOINT OR EDGE.

IF AN EXCAVATION FALLS WITHIN 12" (300 mm) OF A SCORELINE, THE CONCRETE SHALL BE REMOVED AND REPLACED TO THE SCORELINE. THE SCORELINE SHALL BE SAWCUT BEFORE CONCRETE REMOVAL. THE MINIMUM LENGTH OF REPLACEMENT IN BOTH CASES SHALL BE 30" (750 mm).

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

PROMULGATED BY THE
PUBLIC WORKS STANDARDS INC.
GREENBOOK COMMITTEE
1993
REV. 1996, 2009

SIDEWALK & DRIVEWAY REPLACEMENT

STANDARD PLAN

113-2

USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

SHEET 1 OF 2

NOTES

1. CONCRETE WALK, FILL-IN AND DRIVEWAYS REMOVED IN CONNECTION WITH CONSTRUCTION SHALL BE REPLACED TO NEATLY SAWED EDGES. ALL CUTS SHALL BE PARALLEL TO OR PERPENDICULAR TO THE CURB; ON CURVES, THE CUT SHALL BE RADIAL TO THE CURB.
2. DRIVEWAY APRONS IN WHICH THE "W" DISTANCE IS LESS THAN 11' (3300 mm) SHALL BE REPLACED IN THEIR ENTIRETY IF CUT IN ANY AREA.
3. DRIVEWAY APRONS IN WHICH THE "W" DISTANCE IS 11' (3300 mm) OR MORE MAY BE CUT WITHIN THE "W" SECTION. THE MINIMUM REPLACEMENT SHALL BE 30" (750 mm) IN LENGTH. THE MINIMUM DISTANCE ALLOWED BETWEEN SUCH CUTS SHALL BE 14' (4200 mm).
4. DRIVEWAY APRONS IN WHICH THE "W" DISTANCE IS 11' (3300 mm) OR MORE MAY BE CUT IN THE "X" OR "R" SECTION. REPLACEMENT SHALL BE THE ENTIRE "X" OR "R" SECTION.
5. DRIVEWAY APRONS SHALL BE REPLACED FROM THE BACK OF THE CURB TO THE FRONT EDGE OF THE WALK, EXCEPT, WHERE WALK IS ADJACENT TO CURB, REPLACEMENT SHALL BE FROM BACK OF CURB TO BACK OF WALK.
6. WALK PORTIONS OF DRIVEWAYS SHALL BE REPLACED AS SHOWN ABOVE FOR EXCAVATIONS MADE PARALLEL OR NORMAL TO CURB.
7. REPLACEMENT OF THE "X" OR "R" SECTION SHALL MATCH EXISTING CONSTRUCTION.

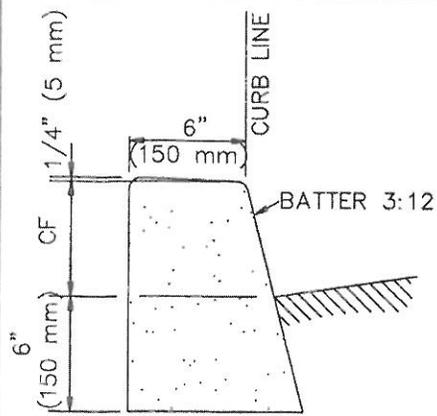
STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

STANDARD PLAN

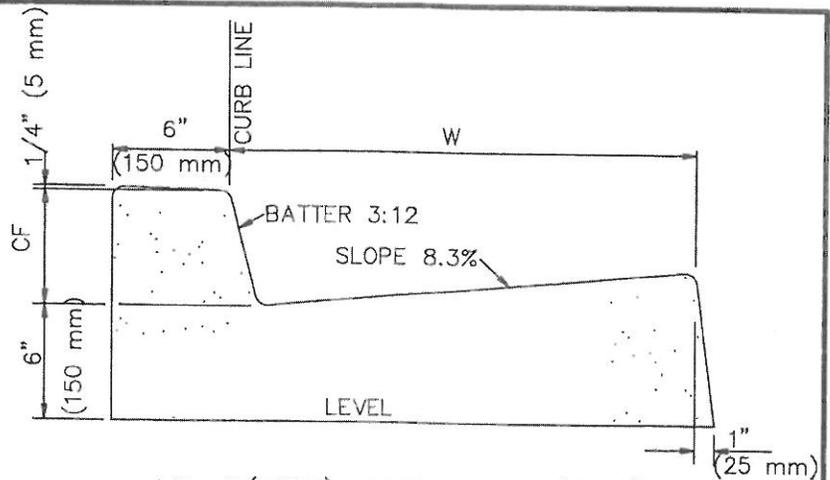
SIDEWALK & DRIVEWAY REPLACEMENT

113-2

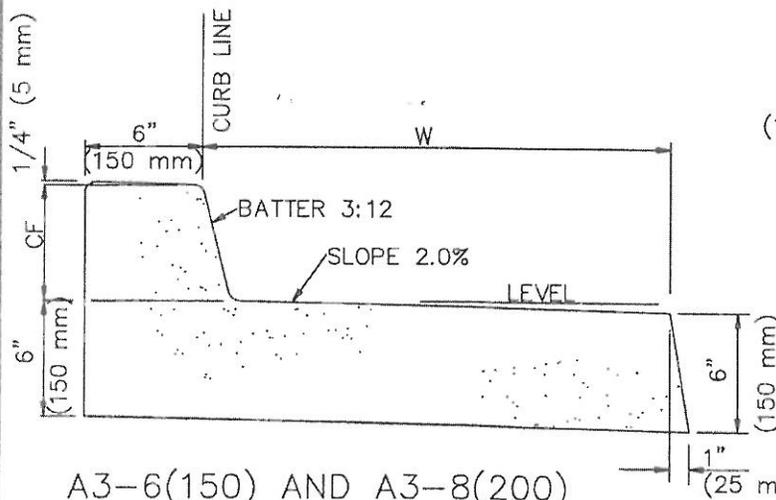
SHEET 2 OF 2



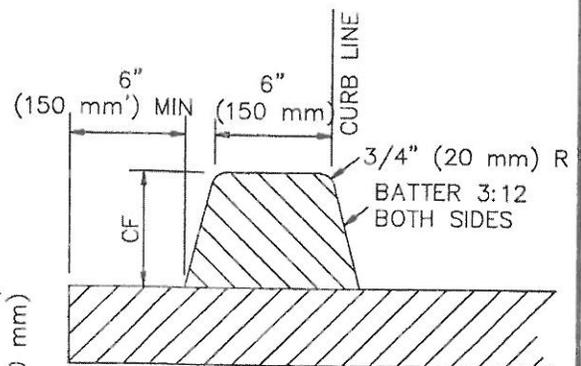
A1-6(150) AND
A1-8(200)



A2-6(150) AND A2-8(200)



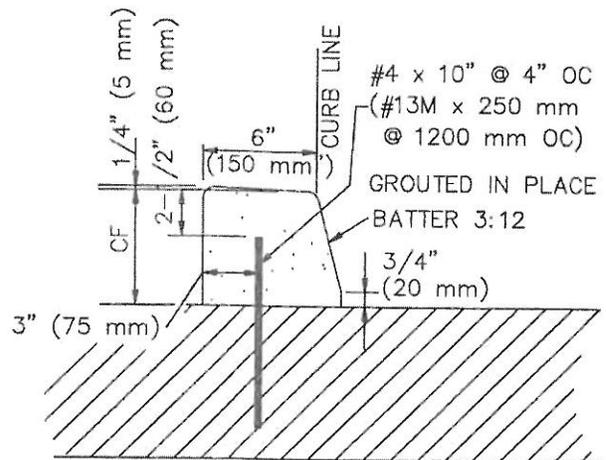
A3-6(150) AND A3-8(200)



D1-6(150) AND
D1-8(200)

NOTES:

1. THE LAST NUMBER IN THE DESIGNATION IS THE CURB FACE (CF) HEIGHT, INCHES (mm).
2. GUTTER WIDTH, W, IS 24" (600 mm) UNLESS OTHERWISE SPECIFIED.
3. TYPES A1, A2, A3 AND C1 SHALL BE CONSTRUCTED FROM PCC.
4. TYPE D1 CURB SHALL BE CONSTRUCTED FROM ASPHALT CONCRETE.
5. TYPE C1 CURB SHALL BE ANCHORED WITH STEEL DOWELS AS SHOWN OR WITH AN EPOXY APPROVED BY THE ENGINEER.
6. ALL EXPOSED CORNERS ON PCC CURBS AND GUTTERS SHALL BE ROUNDED WITH A 1/2" (15 mm) RADIUS.



C1-6(150) AND C1-8(200)

STANDARD PLAN FOR PUBLIC WORKS CONSTRUCTION

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

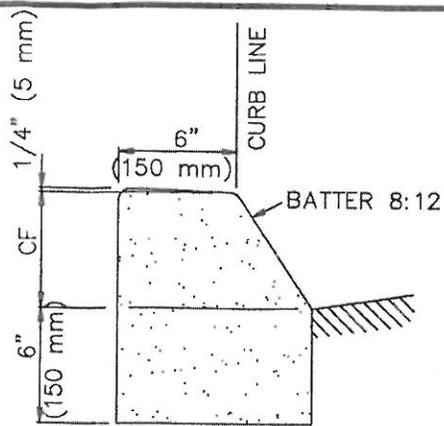
CURB AND GUTTER - BARRIER

USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

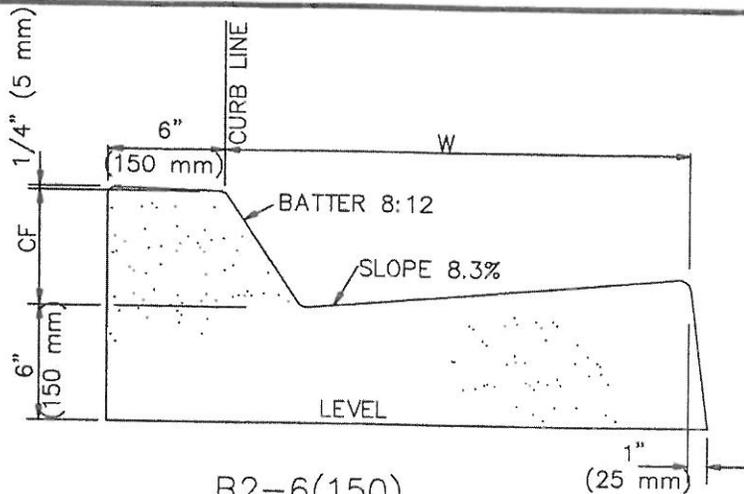
STANDARD PLAN

120-2

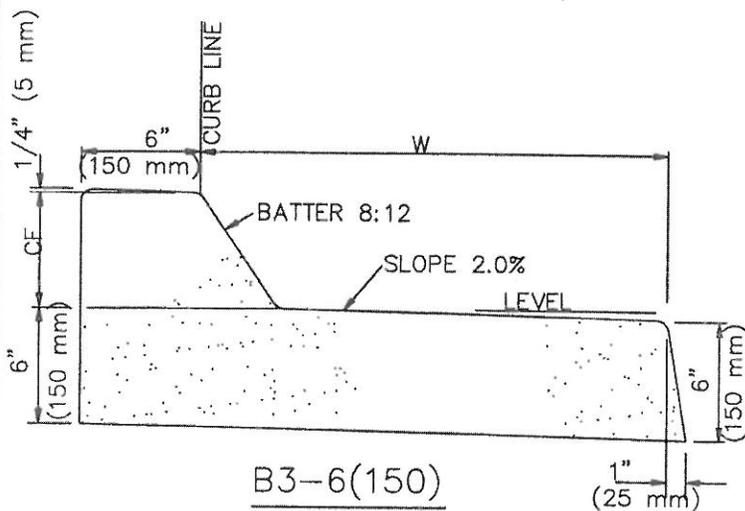
SHEET 1 OF 1



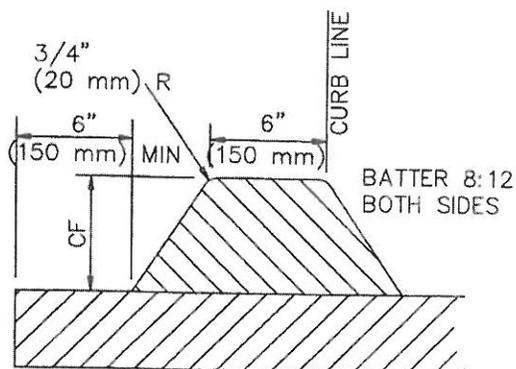
B1-6(150)



B2-6(150)



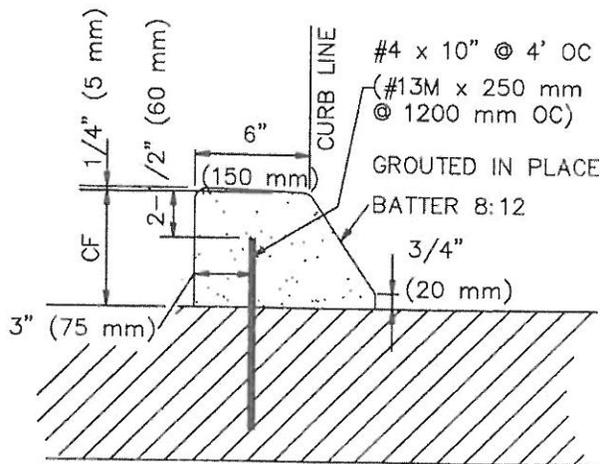
B3-6(150)



D2-6(150)

NOTES:

1. THE LAST NUMBER IN THE DESIGNATION IS THE CURB FACE (CF) HEIGHT, INCHES (mm).
2. GUTTER WIDTH, W, IS 24" (600 mm) UNLESS OTHERWISE SPECIFIED.
3. TYPES B1, B2, B3 AND C2 SHALL BE CONSTRUCTED FROM PCC.
4. TYPE D2 CURB SHALL BE CONSTRUCTED FROM ASPHALT CONCRETE.
5. TYPE C2 CURB SHALL BE ANCHORED WITH STEEL DOWELS AS SHOWN OR WITH AN EPOXY APPROVED BY THE ENGINEER.
6. ALL EXPOSED CORNERS ON PCC CURBS AND GUTTERS SHALL BE ROUNDED WITH A 1/2" (15 mm) RADIUS.



C2-6(150)

STANDARD PLANS FOR PUBLIC WORKS CONSTRUCTION

PROMULGATED BY THE
PUBLIC WORKS STANDARDS INC.
GREENBOOK COMMITTEE
1984
REV. 1986, 2009

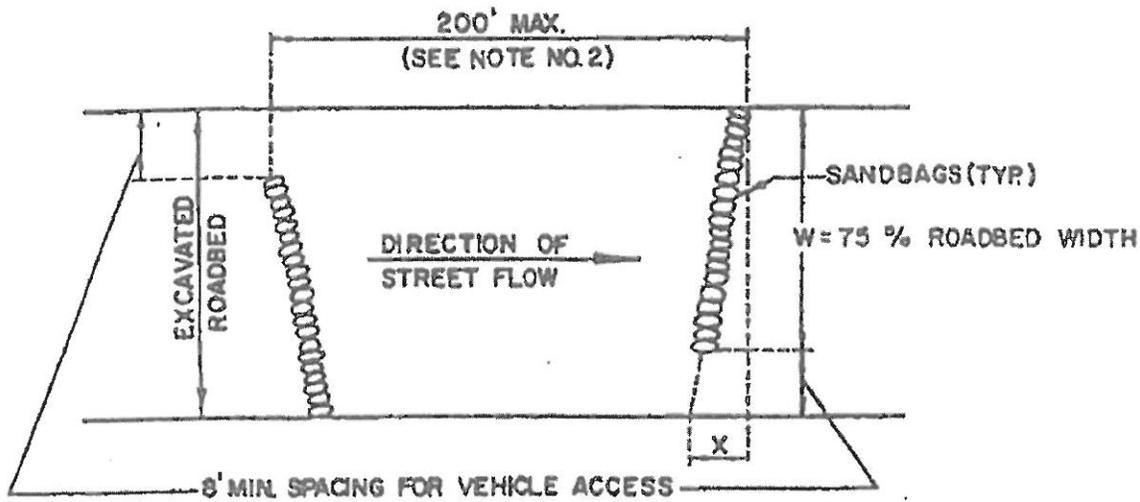
CURB AND GUTTER—MOUNTABLE

USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

STANDARD PLAN

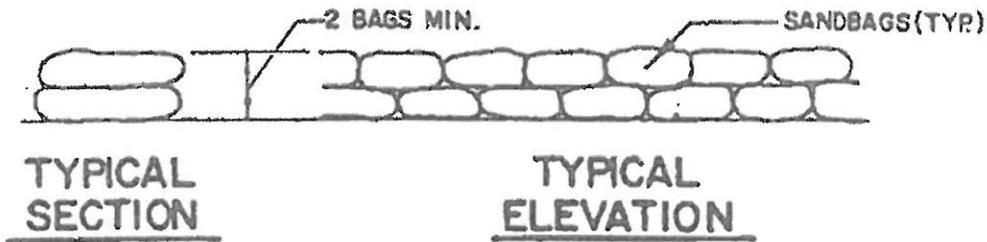
121-2

SHEET 1 OF 1



PLAN

W	X
20' - 30'	5'
31' - 40'	7'
41' - 50'	9'
51' - 60'	10.5'
61' - 70'	12'



NOTES:

1. Gravel bags are encouraged over the use of sandbags and may be required in areas which are particularly sensitive to sediment deposition.
2. Requirements for and spacing of velocity reducers for streets with grades of less than 4% shall be as shown on the approved Erosion Control Plan.
3. This standard detail shall be used as shown on the approved Erosion Control Plan.

ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY

APPROVED *H.J. KRIZAN*
H.J. KRIZAN DIRECTOR OF REGULATION

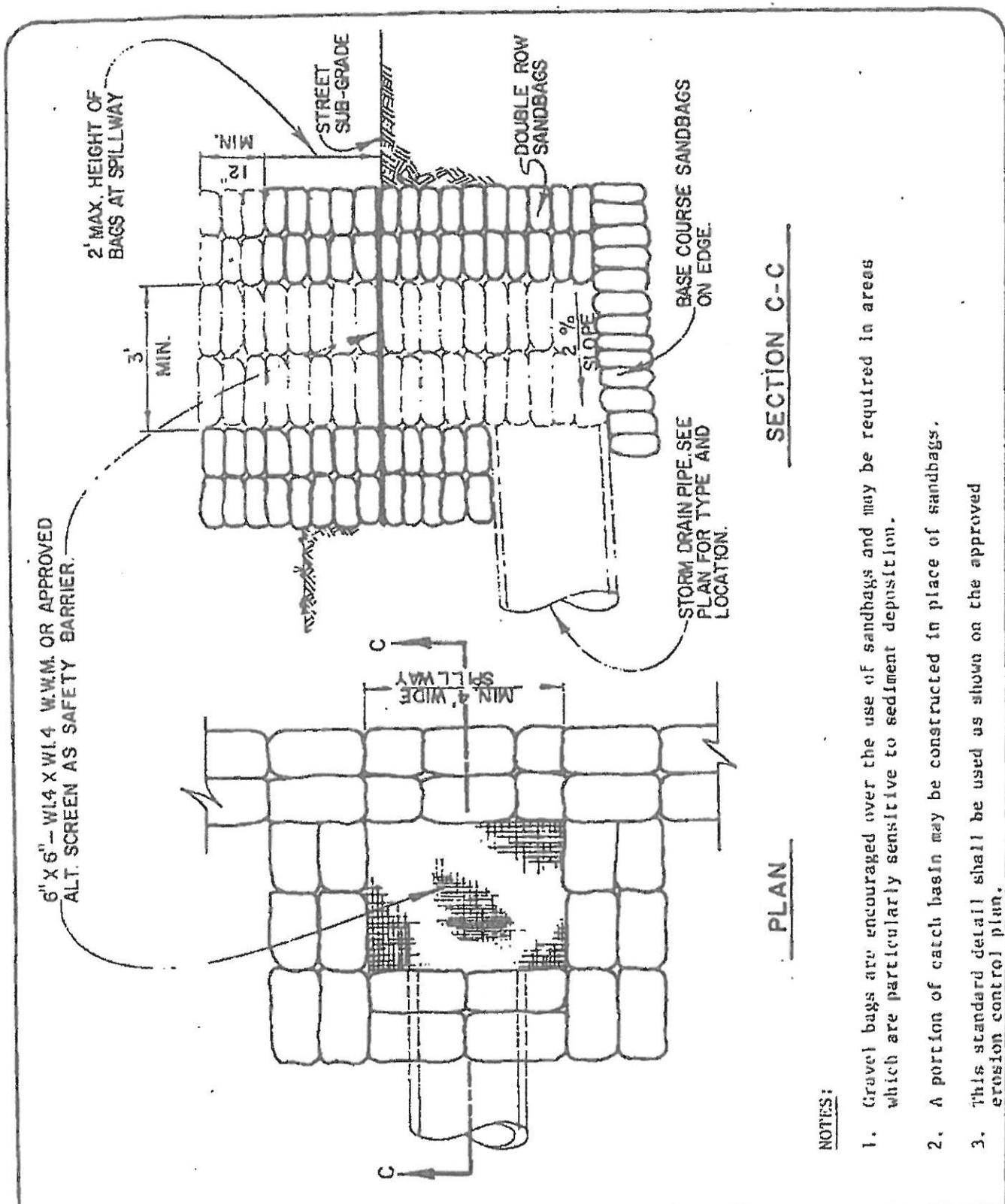
STD. PLAN

1328

Adopted: Res. 82-71B

SANDBAG VELOCITY REDUCER

SHEET 1 OF 1



SECTION C-C

PLAN

NOTES:

1. Gravel bags are encouraged over the use of sandbags and may be required in areas which are particularly sensitive to sediment deposition.
2. A portion of catch basin may be constructed in place of sandbags.
3. This standard detail shall be used as shown on the approved erosion control plan.

ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY

STD. PLAN

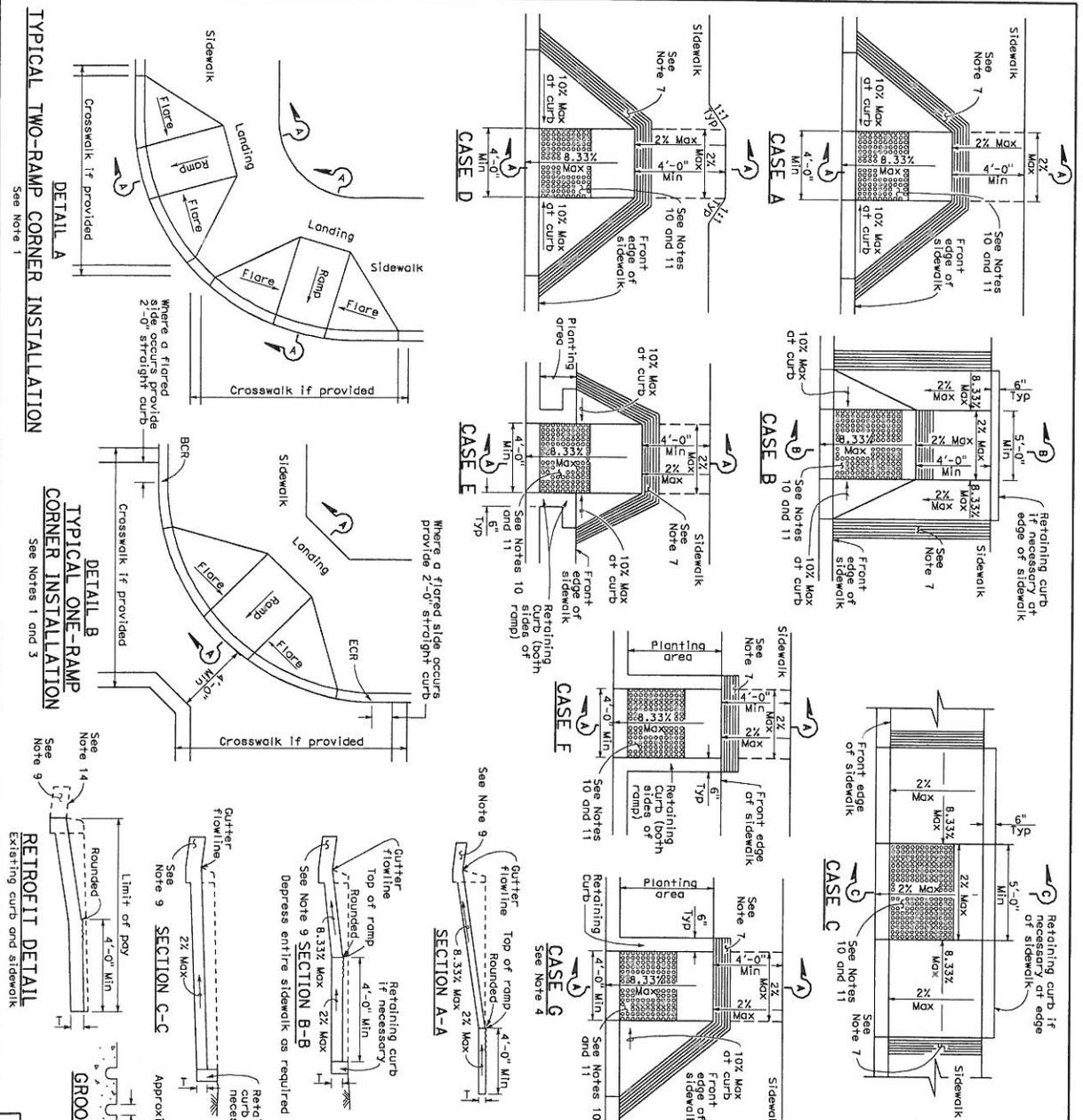
APPROVED: *H.J. Krizan*
 H.J. KRIZAN DIRECTOR OF REGULATION

1330

Adopted: Res. 82-718

TEMPORARY DRAINAGE INLET

SHT. 1 OF 1



- NOTES:**
- As site conditions dictate, Case A through Case G curb ramps may be used for the same location. The case of curb ramps used in Detail A do not pertain to the same. Case A through Case G curb ramps also may be used at mid block locations, as site conditions dictate.
 - If distance from curb to back of sidewalk is too short to accommodate ramp and 4'-0" platform (landing) as shown in Case A, the sidewalk may be depressed longitudinally as in Case B, or C or may be widened as in Case D.
 - 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 side and the flared side of the Case G ramp shall be constructed in reversed position.
 - If located on a curve, the sides of the ramp need not be parallel, but the minimum width of the ramp shall be 4'-0".
 - Side slope of ramp flares very uniformly from a maximum of 10% of curb to conform with longitudinal sidewalk slope adjacent to top of the ramp, except in Case C and Case F.
 - The curb ramp shall be outlined, as shown, with a 1'-0" wide border/finish, grooves approximately 1/4" on center - See grooving detail.
 - Transitions from ramps and landing to walks, gutters or streets shall be flush and free of curbs or changes.
 - Maximum slopes of adjoining gutters, the road surface immediately adjacent to the curb ramp or accessible route shall not exceed 5 percent within 4'-0" of the top and bottom of the curb ramp.
 - Curb ramps shall have a detectable warning surface that extends the full width and 3'-0" depth of the ramp. Detectable warning surfaces shall conform to the details on this plan and the requirements in the Special Provisions.
 - The edge of the detectable warning surface nearest the street shall be between 6" and 8" from the gutter flowline.
 - Sidewalk and ramp thickness, "T", shall be 3/2" minimum.
 - Utility pull boxes, manholes, vaults and all other utility facilities within the boundaries of the curb ramp will be relocated or adjusted to grade by the owner prior to, or in conjunction with, curb ramp construction.
 - For retrofit conditions, removal and replacement of curb apron will be at the contractor's option, unless otherwise shown on project plans.

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

See Note 10

1.6" to 2.25" Center spacing

RAISED TRUNCATED DOME CURB RAMP DETAILS

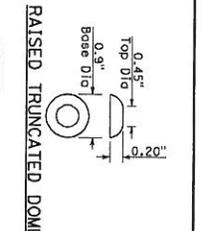
NO SCALE

STATE OF CALIFORNIA
 DEPARTMENT OF TRANSPORTATION

REVISED STANDARD PLAN RSP A88A

RSP A88A DATED SEPTEMBER 1, 2006 SUPERSEDES STANDARD PLAN A88A DATED MAY 1, 2006 - PAGE 115 OF THE STANDARD PLANS BOOK DATED MAY 2006.

DIST	COUNTY	ROUTE	POST MILES	SHEET TOTAL
			TOTAL PROJECT	NO. SHEETS
REGISTERED CIVIL ENGINEER SEPTEMBER 1, 2006 PLANS APPROVAL DATE The State of California by its officers or employees acting in their official capacity certifies that the above is a true and correct copy of the original plans.				



NOTES:

To occupancy plans added