

# **CITY OF LA PALMA**

**Public Works Department  
7822 Walker Street  
La Palma, California 90623-1771**

## **CITY COUNCIL**

**Steve Hwangbo, Mayor  
Steve Shanahan, Mayor Pro Tem  
Henry Charoen, Councilmember  
Gerard Geodhart, Councilmember  
Peter L. Kim, Councilmember**

**CITY MANAGER  
Ellen Volmert**

**DIRECTOR OF PUBLIC WORKS/CITY ENGINEER  
Jeff C. Moneda, P.E.**



**BID DOCUMENTS AND SPECIFICATIONS**

**FOR**

**STATE-LOCAL PARTNERSHIP PROGRAM  
LA PALMA AVENUE REHABILITATION PROJECT  
FROM WEST CITY LIMITS (WCL) TO VALLEY VIEW STREET**

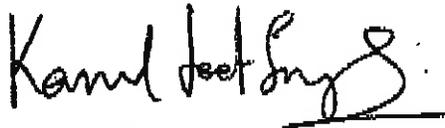
**STATE PROJECT NO. SLPPL 5319 (015)  
CITY PROJECT NO. ST-324**

**MARCH 2013**

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

**BID DOCUMENTS AND SPECIFICATIONS  
FOR  
STATE-LOCAL PARTNERSHIP PROGRAM (SLPP)  
LA PALMA AVENUE REHABILITATION PROJECT  
FROM WEST CITY LIMITS (WCL) TO VALLEY VIEW STREET**

Prepared Under the Supervision of:



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Kanwal J. Singh  
R.C.E. No. C 43764  
Expires 06/30/2013

12.15.2012  
Date

Approved By:



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Jeff C. Moneda, Public Works Director/City Engineer  
R.C.E. No. C 60944  
Expires 12/31/2014

3.19.2013  
Date

**CITY OF LA PALMA**  
**STATE-LOCAL PARTNERSHIP PROGRAM (SLPP)**  
**LA PALMA AVENUE REHABILITATION PROJECT**  
**FROM WEST CITY LIMITS (WCL) TO VALLEY VIEW STREET**  
**CITY PROJECT NO. ST-324**

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**CITY OF LA PALMA**

**NOTICE INVITING SEALED BIDS**

**STATE-LOCAL PARTNERSHIP PROGRAM (SLPP)  
LA PALMA AVENUE REHABILITATION PROJECT  
FROM WEST CITY LIMITS (WCL) TO VALLEY VIEW STREET**

**CITY PROJECT NO. ST-324**

**RECEIPT OF PROPOSALS:** Sealed proposals will be received at the office of the City Engineer, City Hall, La Palma, California, until 10:00 a.m. on Tuesday, April 30, 2013 for furnishing of all labor, materials and equipment for the STATE-LOCAL PARTNERSHIP PROGRAM (SLPP) LA PALMA AVENUE REHABILITATION PROJECT FROM WEST CITY LIMITS (WCL) TO VALLEY VIEW STREET, City Project No. ST-324, (the "Project").

The proposal shall be submitted to the City Engineer, City of La Palma, 7822 Walker Street, La Palma, California 90623-1771, in a sealed envelope plainly marked on the outside **"BID: STATE-LOCAL PARTNERSHIP PROGRAM (SLPP) LA PALMA AVENUE REHABILITATION PROJECT FROM WEST CITY LIMITS (WCL) TO VALLEY VIEW STREET, City Project No. ST-324, to be opened on Tuesday, April 30, 2013, at 10:00 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 general items of work consists of furnishing all materials, equipment, tools, labor, and incidentals needed to complete the project and doing all work necessary as indicated by the plans, specifications and contract documents, including but not limited to, removal of existing asphalt concrete pavement, rehabilitation or reconstruction and resurfacing, construction of sidewalk and ADA ramps, reconstruction of curb & gutter, restoring median landscape and irrigation system, adjusting utility valve and man hole covers to grade, pavement striping and installation of pavement markers along La Palma Avenue per these plans and specifications.

**COMPLETION OF WORK:** All work to be done under this contract shall be completed within **Seventy Five (75) 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](http://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. Due to the posting of the documents on the city website, the City no longer maintains a plan holder list. 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 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."

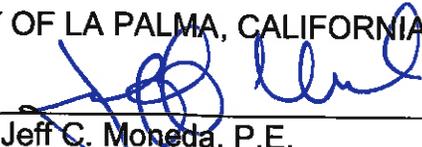
CONTRACTOR'S LICENSE: At the time of award of the contract, the prime contractor must have a valid California State Contractor's License with a Classification of A. Pursuant to Business and Professions Code section 7059, the City will not award a contract to a specialty contractor whose classification 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: 3/20/13

CITY OF LA PALMA, CALIFORNIA

By: 

Jeff C. Moneda, P.E.

Director of Public Works/City Engineer

**CITY OF LA PALMA**

**INSTRUCTIONS TO BIDDERS**

**LA PALMA AVENUE REHABILITATION PROJECT  
FROM WEST CITY LIMITS (WCL) TO VALLEY VIEW STREET**

**CITY PROJECT NO. ST-324**

**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. Permits may be necessary from the City of Cerritos, Lakewood, and Buena Park. Any fees associated with obtaining permits needed outside of the City of La Palma are the responsibility of the contractor.

In addition to the requirements above noted, the Contractor 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**

**STATE-LOCAL PARTNERSHIP PROGRAM (SLPP)  
LA PALMA AVENUE REHABILITATION PROJECT  
FROM WEST CITY LIMITS (WCL) TO VALLEY VIEW STREET**

**CITY PROJECT NO. ST-324**

**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**  
**LA PALMA AVENUE REHABILITATION PROJECT**  
**FROM WEST CITY LIMITS (WCL) TO VALLEY VIEW STREET**

**CITY PROJECT NO. ST-324**

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 therefore, in accordance with the plans and specifications therefore, known as "La Palma Avenue Rehabilitation Project from West City Limits (WCL) to Valley View Street, City Project No. ST-324" 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 "La Palma Avenue Rehabilitation Project from West City Limits (WCL) to Valley View Street, City Project No. ST-324" on file in the office of the City Engineer of the City of La Palma, and further agrees to enter into a contract therefore 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 at:  _____ (Words) Per Lump Sum	\$	\$
2.	Lump Sum  1	Traffic Control, Public Convenience & Safety Including Computerized Message Signs at:  _____ (Words) Per Lump Sum	\$	\$
3.	Lump Sum  1	Storm Water Pollution Prevention Plan (SWPPP) / Erosion Control at:  _____ (Words) Per Lump Sum	\$	\$
4.	S.F  174,000	Coldmill Existing Pavement 2 ½" Below Existing Grade at:  _____ (Words) Per Square Foot	\$	\$

BID ITEM NO.	QUANTITY	ITEMS WITH UNIT PRICE WRITTEN IN WORDS	UNIT PRICE (FIGURE)	TOTAL PRICE (FIGURES)
5	S.F. 42,000	Coldmill Existing Pavement 9 1/2" Below Existing Grade at:  _____ (Words) Per Square Foot	\$ _____	\$ _____
6.	TON 2,000	Construct 1 1/2" Thick AC Leveling Course, Type III-B3 PG 70-10 (3/4" Rock) at:  _____ (Words) Per Ton	\$ _____	\$ _____
7.	TON 2,700	Construct 2" Thick ARHM GG-C Top Layer at:  _____ (Words) Per Ton	\$ _____	\$ _____
8.	TON 1,900	Construct 7" Thick AC Base Course, Type III-B3 PG 70-10 (3/4" Rock) at:  _____ (Words) Per Ton	\$ _____	\$ _____
9.	L.F. 120	Remove & Replace Concrete Curb & Gutter to Match Existing and Restore Proper Flow at:  _____ (Words) Per Lineal Foot	\$ _____	\$ _____
10.	L.F. 600	Remove & Replace Concrete Curb & Gutter to Match Existing and Restore Proper Flow at:  _____ (Words) Per Lineal Foot	\$ _____	\$ _____
11.	S.F. 1,000	Construct 4" Thick Patterned Concrete at:  _____ (Words) Per Square Foot	\$ _____	\$ _____
12.	S.F. 350	Remove & Replace PCC Sidewalk at:  _____ (Words) Per Square Foot	\$ _____	\$ _____

BID ITEM NO.	QUANTITY	ITEMS WITH UNIT PRICE WRITTEN IN WORDS	UNIT PRICE (FIGURE)	TOTAL PRICE (FIGURES)
13.	S.F. 1,000	Remove & Reconstruct PCC Driveway Approach at: _____ _____ (Words) Per Square Foot	\$ _____	\$ _____
14.	S.F. 2,000	Remove & Replace Concrete Cross Gutter & Spandrel at: _____ _____ (Words) Per Square Foot	\$ _____	\$ _____
15.	EA 1	Remove & Reconstruct Wheelchair Ramp with Yellow Truncated Dome Per ADA Requirements at: _____ _____ (Words) Per Each	\$ _____	\$ _____
16.	EA 9	Furnish & Install Truncated Domes at Existing Wheelchair Ramp per ADA Requirements at: _____ _____ (Words) Per Each	\$ _____	\$ _____
17.	EA 23	Adjust Existing Water Valve Cover to Grade at: _____ _____ (Words) Per Each	\$ _____	\$ _____
18	EA 4	Adjust Existing Sewer Manhole Cover to Grade at: _____ _____ (Words) Per Each	\$ _____	\$ _____
19	EA 2	Adjust Existing Storm Drain Manhole Cover to Grade at: _____ _____ (Words) Per Each	\$ _____	\$ _____
20	EA 30	Install Caltrans Type "E" Loop Detectors [Includes Reconnecting Loop Detector Homeruns] at: _____ _____ (Words) Per Each	\$ _____	\$ _____

BID ITEM NO.	QUANTITY	ITEMS WITH UNIT PRICE WRITTEN IN WORDS	UNIT PRICE (FIGURE)	TOTAL PRICE (FIGURES)
21	Lump Sum 1	Install Traffic Striping & Signage, Red Curb Paint, Pavement Markings, Raised Pavement Markers at:  _____ _____ (Words) Per Lump Sum	\$ _____	\$ _____
22	Lump Sum 1	Restore Median Landscape and Irrigation System at:  _____ _____ (Words) Per Lump Sum	\$ _____	\$ _____
<b>BASE BID: SUBTOTAL FOR ITEMS #1 THROUGH # 22 IN WORDS:</b>  _____			<b>BASE BID: SUBTOTAL FOR ITEMS # 1 THROUGH # 22 IN NUMBERS:</b>  \$ _____	

**ALTERNATE BID ITEMS – CITY OF CERRITOS**

BID ITEM NO.	QUANTITY	ITEMS WITH UNIT PRICE WRITTEN IN WORDS	UNIT PRICE (FIGURE)	TOTAL PRICE (FIGURES)
4A	SF 32,000	Coldmill Existing Roadway 2 ½" Below Existing Grade at:  _____ _____ (Words) Per Square Foot	\$ _____	\$ _____
6A	Ton 300	Construct 1 ½" Thick AC Leveling Course, Type III-B3 PG 70-10 (¾" Rock) at:  _____ _____ (Words) Per Ton	\$ _____	\$ _____
7A	Ton 400	Construct 2" Thick ARHM GG-C Top Layer at:  _____ _____ (Words) Per Ton	\$ _____	\$ _____
9A	L.F. 50	Remove & Replace Concrete Curb & Gutter to Match Existing and Restore Proper Flow at:  _____ _____ (Words) Per Lineal Foot	\$ _____	\$ _____

16A	EA 2	Furnish & Install Grey Truncated Domes at Existing Wheelchair Ramp per ADA Requirements at:		
		_____	\$ _____	\$ _____
		(Words) Per Each		
18A	EA 1	Adjust Existing Sewer Manhole Cover to Grade at:		
		_____	\$ _____	\$ _____
		(Words) Per Each		
<b>ALTERNATE BID ITEMS – CITY OF CERRITOS: SUBTOTAL IN WORDS:</b>			<b>ALTERNATE BID ITEMS – CITY OF CERRITOS: SUBTOTAL IN NUMBERS:</b>	
_____			_____	
_____			\$ _____	

<b>TOTAL BID [Base Bid + Alternate Bid Items]: TOTAL IN WORDS:</b>	<b>TOTAL BID [Base Bid + Alternate Bid Items]: :</b>
_____	<b>TOTAL IN NUMBERS:</b>
_____	\$ _____

**Notes:**

1. Contract will be awarded based on the total bid price [base bid + alternate additive bid items] to the lowest responsible bidder.
2. This project is funded with State-Local Partnership Program funds and applicable State of California contract provisions including wage rates shall apply. Contractor and subcontractors to comply with prevailing wage requirements of the California Department of Industrial Relations (DIR) and submit weekly certified payrolls to the City Engineer. All compensation for complying with these provisions shall be included in the unit price for bid items.
3. Optional item to be performed at City Engineer's Discretion - Surface Profilograph per California Test 526 as noted in the Technical Provisions of these specifications.

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**  
**LA PALMA AVENUE REHABILITATION PROJECT**  
**FROM WEST CITY LIMITS (WCL) TO VALLEY VIEW STREET**

**CITY PROJECT NO. ST-324**

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 \_\_\_\_\_, 2010.

\_\_\_\_\_  
BIDDER (seal)

By: \_\_\_\_\_  
(Name and Title)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
(Mailing address of BIDDER)

\_\_\_\_\_  
SURETY (seal)

By: \_\_\_\_\_  
(Name and Title)

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_  
(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 completed as of recent date:

<b>Contract Amount</b>	<b>Class of Work</b>	<b>Date Completed</b>	<b>Name, Contract and Address of Owner</b>

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 \_\_\_\_\_, 2013, 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 "La Palma Avenue Rehabilitation Project from West City Limits (WCL) to Valley View Street, City Project No. ST-324" 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 "La Palma Avenue  
Rehabilitation Project from West City Limits (WCL) to Valley View Street, City  
Project No. ST-324", 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\_\_\_\_.

\_\_\_\_\_  
(seal)  
Contractor

\_\_\_\_\_  
(seal)  
Surety

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, "La Palma Avenue  
Rehabilitation Project from West City Limits (WCL) to Valley View Street, City  
Project No. ST-324" 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)

\_\_\_\_\_  
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)

## 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 ten percent (10%) 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 attorneys 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 passive negligence on the part of the City, its officers, directors, employees, agents, representatives, or the Engineer, but excluding 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 therefrom.
- (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 Contractor shall obtain permits from the Cities of La Palma, Cerritos and Lakewood for prosecution of the work outlined in the project plans and these specifications.

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 one thousand dollars (\$1000.00) 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**

**LA PALMA AVENUE REHABILITATION PROJECT**  
**FROM WEST CITY LIMITS (WCL) TO VALLEY VIEW STREET**

**CITY PROJECT NO. ST-324**

**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

"Stormwater Pollution Prevention Plan". (SWPPP)

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 of Traffic Controls".
- 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), signed and stamped by a Registered Civil Engineer or Registered Traffic Engineer, for approval from the City Engineer. Also, the Contractor shall obtain permits from the Cities of La Palma, Cerritos and Lakewood for prosecution of the work outlined in the project plans and these specifications.

Cost for barricading, traffic control, TMPs and obtaining permits 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

#### LA PALMA AVENUE REHABILITATION PROJECT FROM WEST CITY LIMITS (WCL) TO VALLEY VIEW STREET

#### CITY PROJECT NO, ST-324

#### **DESCRIPTION OF WORK:**

The scope of work in general consists of, but not limited to, the following operations as shown in these specifications and project plans.

- Saw cutting, cold milling and removal of asphalt pavement
- AC base course, AC Leveling Course and AHRM overlay
- Removal and replacement (R&R) of existing pavement sections
- Replacement of cross gutter & spandrel, driveway approach, sidewalk and curb & gutter
- Construction/reconstruction of ADA compliant ramps
- Adjusting water valve and manhole covers to grade
- Install Traffic Loops
- Traffic Striping, Pavement markings and Markers.

#### **UNCLASSIFIED EXCAVATION**

Unclassified excavation shall conform to the provisions in Section 300 of the Standard Specifications and these Special Provisions. Work shall include excavation and backfill.

##### A. Excavation:

Excavation shall consist of removal of vegetation, dirt, roots, existing base material and AC as required and backfilling, grading and compaction necessary to complete the project as shown on the plans and described in the specifications, also includes removal and disposal of excess unsuitable material. The use of stompers and rock wheels will not be allowed for any portion of the work on this project.

Contractor shall remove all stumps, roots and other obstructions under the new concrete and pavement work to a depth of 12" below the finished grade and 24" laterally. All root pruning of trees that are to remain, shall be done with a machine designated for this purpose, e.g. a root pruner or a stump grinder. In lieu of this, roots maybe exposed and individually cut with a sharp hand or chainsaw only. Under no circumstances should roots be torn, ripped out, or otherwise damaged with a backhoe or other equipment. Trees and plants that are not to be removed shall be fully protected from injury by the Contractor at its expense.

All excavated materials shall become the property of the contractor and shall be disposed of outside the roadway right of way at the end of each day.

## B. Backfill

Work shall be performed in accordance with Section 301 of the Standard Specifications. Disturbed sub-grade and backfill materials shall be compacted to 95% relative compaction. Finished sub-grade shall not deviate more than 0.05 foot from the theoretical grading plane and must be firm and unyielding.

Backfill shall consist of placement of selected material necessary to fill voids adjacent to newly constructed curb and gutter, sidewalks, drive approaches, etc. Backfill material shall be considered select material acquired from project excavations. 1' wide continuous backfill material behind the retaining walls shall be suitable pervious material. No backfill material shall be placed until approved by the Engineer.

All rocks, stones, debris and roots within 12 inches of the finished surface shall be removed and disposed of outside the roadway right of way.

## C. Tests

The laboratory maximum density test shall be per Subsection 211-2.1 of the Standard Specifications. Compaction tests will be considered necessary in all pavement reconstruction areas whether the sub-grade is disturbed or not by the Contractor's operations. Compaction tests shall be made at locations selected by the Engineer.

The City at no cost to the Contractor will make any required material and compaction tests. Should first compaction test fail, Contractor shall bear the cost incurred to perform all the following necessary tests to meet compaction requirements.

**No paving materials shall be placed until authorized by the Engineer or required test reports indicate compaction is acceptable.**

**Full compensation for this item shall be considered as included in the various related items of work and shall include saw-cutting, excavation, asphalt removal, concrete removal and earth hauling disposing and furnishing of all labor, tools, equipment and doing all work necessary in accordance with the plans and specifications.**

The cost of excavation and backfill shall be considered as being included in the various related items of work and shall include stockpiling of material, labor, tools, equipment, compaction, leveling and removal of rock, stones and debris, disposal of unsuitable materials and finishing the areas to a clean, neat appearance with no additional compensation being considered.

The removal of excess paving materials resulting from cold milling to provide the required depth for the AC cap shall be included in "coldmill or grind existing roadway ..." bid items.

## CONSTRUCTION METHODS:

Access to all private properties shall be maintained at all times during construction. The slurry created by the saw cutting shall be removed by vacuum during saw cutting operations. Residue from roadway pavement, sidewalk concrete and subgrade removal operations shall not be permitted to flow or travel into gutters, onto adjacent street surfaces and parkways. All residues shall be completely removed by sweeping and disposed. 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.

During construction and excavation, soft and unstable sub grade is expected to be encountered. The City engineer shall determine the method of stabilizing these areas.

Removals shall consist of the removal of all materials, regardless of character, necessary for the construction of the project as shown or indicated on the plans and specifications and shall include but not limited to: roadway pavement, concrete sidewalk, aggregate base, sub base, vegetation, trees, roots, rocks, markers, shrubs and earth.

Under no circumstances shall the period of time between removal of existing improvements (which create an obstruction or hazard to the public) and their replacement exceed three (3) calendar days at any one location unless approved otherwise by the Engineer or necessary to facilitate or protect work. Should the Contractor fail to comply with this requirement, all other operations will be stopped until the hazard or obstruction is removed and no additional days or other compensation will be given.

Under no circumstances, shall the Contractor place concrete forms and leave the forms in place for more than 24 hours, aside from curing freshly poured concrete. Access to all residences and businesses shall be maintained to an acceptable condition unless approved otherwise by the Engineer or necessary to facilitate or protect work.

In areas where roots are encountered, they shall be removed a minimum of 12 inches from the new work, or as directed by the Engineer. Trees shall be protected in place, unless otherwise specified.

The Contractor shall dispose of all material from the job site at the end of each day and shall bear all expenses of hauling and disposal of materials.

Full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in this section as specified herein, shall be considered as included in the price paid for the related items of work as listed in the bid sheet.

### **Best Management Practices (BMPs)**

Per the Federal Clean Water Act, the contractor is required to eliminate pollution to waters of the United States in regards to this project. This project requires the Contractor to implement "Best Management Practices". The contractor shall implement BMPs for Construction Projects and comply with all applicable requirements of the "Orange County Storm Water Program - Construction Runoff Guidance Manual" dated September 2006.

**BID ITEM NO. (1), MOBILIZATION:**

Mobilization shall conform to the Standard Specifications, Work area traffic control handbook, and these Special Provisions.

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), TRAFFIC CONTROL:**

Traffic control shall conform to the Standard Specifications, Work area traffic control handbook, and these Special Provisions. The traffic control plan shall be prepared, stamped, and signed by a licensed Traffic Engineer or Civil Engineer and submitted to the City Engineer for approval. Also, the Contractor shall obtain permits from the Cities of La Palma, Cerritos and Lakewood for prosecution of the work per project plans and these specifications.

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. (3) PREPARE SWPPP/EROSION CONTROL/BMP's:**

Under this contract, the contractor agrees to prepare for approval from the City Engineer and implement an approved Storm Water Pollution Prevention Plan (SWPPP) to prevent the run-off of construction materials into the City's storm water system. These run-off control measures are defined by the currently applicable National Pollutant Discharge Elimination System (NPDES) Permit and are also governed by the City of La Palma Municipal Code. Contractor shall provide a SWPPP prepared, signed, and stamped by a California licensed Civil Engineer with a Qualified Stormwater Developer (QSD) license for City review and approval.

It is anticipated that storm and surface waters will be encountered at various times and locations during the work. Such waters may interfere with Contractor's operations and may cause damage to his operations, and private and/or public property by flooding, lateral erosion, sedimentation, or pollution if not properly controlled by the Contractor. Where necessary to protect the work or materials from damage, the Contractor shall, at his expense, provide suitable roadway drainage and erect such temporary structures as are necessary to protect the work or materials. The Contractor, by submitting a bid, assumes all of said risk, and the Contractor acknowledges that its bid was prepared accordingly.

The Contractor shall conduct his operations in such a manner that storm or other waters may proceed without diversion or obstruction along existing street and drainage courses. Drainage of water through existing catch basins shall be maintained and protected from inclusion of sediment at all times. Diversion of water for short reaches to

protect construction in progress may be authorized when, in the opinion of the Engineer, existing drainage facilities or adjacent properties are not subject to the probability of damage.

Methods to handle and dispose of all storms, surface or other waters shall be the sole responsibility of the Contractor and shall conform to the requirements of the State Regional Water Quality Control Board, the requirements of the National Pollution Discharge Elimination System (NPDES), the Federal clean Water Act and any City and County regulations.

In the course of water control, the Contractor shall conduct construction operations to protect waters from pollution with fuels, oils, dirt, bituminous or other harmful materials and shall be responsible for removing said materials in the event that protection measures are not effective.

The Contractor shall implement all necessary Best Management Practices (BMPs) in order to comply with the following construction/erosion control requirements.

- Sediment from areas disturbed by construction shall be retained on-site using structural controls to the maximum extent practicable.
- Stockpiles of soil shall be properly contained to minimize sediment transport from the site to streets, drainage facilities or adjacent properties via runoff, vehicle tracking, or wind.
- Appropriate BMPs for construction related materials, wastes, spills or residues shall be implemented to minimize transport from the site to streets, drainage facilities, or adjoining property by wind or runoff.
- Runoff from equipment and vehicle washing shall be contained at construction sites at all times.
- All Construction Contractor and Subcontractor personnel are to be made aware of the required Best Management Practices and good housekeeping measures for the project site and any associated construction staging areas.
- At the end of each day of construction activity, all construction debris and waste materials shall be collected and properly disposed of.
- Construction sites shall be maintained in such a condition that an anticipated storm does not carry wastes or pollutants off the site.
- Potential pollutants include but are not limited to: solid or liquid chemical spills, wastes from paints, stains, sealants, glues, lime, pesticides, herbicides, wood preservatives and solvents, asbestos fibers, paint flakes or stucco fragments, fuels, oils, lubricants, and hydraulic, radiator or battery fluids, concrete, detergent or floatable wastes, wastes from any engine/equipment steam cleaning or chemical degreasing, and super chlorinated potable water line flushing.
- During construction, disposal of such materials should occur in a specified and controlled temporary area on-site physically separated from potential storm water runoff, with ultimate disposal in accordance with local, state and federal requirements.
- Dewatering of contaminated groundwater or discharging contaminated soils via surface erosion is prohibited. Dewatering of non-contaminated groundwater

requires a National Pollutant Discharge Elimination System (NPDES) permit from the State Regional Water Quality Control Board.

**MEASUREMENT AND PAYMENT:**

Payment for this Bid Item shall be at the contract unit price per the lump sum price bid for Storm Water Pollution Plan (SWPPP), and shall include full compensation for preparing SWPPP and furnishing labor; tools, equipment and incidentals required for, in accordance with Standard Specifications and these Technical Provisions and no additional compensation will be allowed therefore.

**BID ITEM NO. (4, 4A and 5), SAWCUT, COLD MILL & REMOVE EXISTING ROADWAY:**

Saw-cut, cold milling and removal of existing roadway construction methods shall conform to the Standard Specifications and these Technical Provisions.

Removals shall conform to Subsections 300-1.3 and 300-2 of the Standard Specifications, and these Special Provisions.

**CONSTRUCTION METHODS:**

Existing pavement material shall be removed (edge grind, uniform grind or roadway section) to neatly sawed edges for areas and depths shown on project plans. Saw cuts shall be a minimum depth of 2".

Residue from grinding shall not be permitted to flow or travel into gutters, onto adjacent street surfaces and parkways. All residues shall be completely removed by sweeping and disposed. 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 shall remove, scrape or grind all slurry / asphalt residue, from previous applications, from the gutter prior to asphalt resurfacing.

During construction and excavation, soft and unstable sub grade is expected to be encountered. The City's soils engineer shall determine the method of stabilizing these areas.

Light weight tracked type equipment shall be used to accomplish stabilization of unsuitable sub-grade.

Over optimum conditions are anticipated in isolated areas, and will require over excavation and replacement with a thickened pavement section. The Engineer will determine the specific areas and limits of excavation during construction.

Operation of rubber tired equipment on marginal or soft sub-grade will not be permitted. All trucks shall be directed as necessary to prevent trucks from driving on sub-grade

areas designated as soft or yielding. Areas designated for over excavation and replacement with thickened pavement sections shall utilize track excavators and/or loaders capable of operating on the exposed sub-grade. The Contractor shall be responsible for selection of the equipment necessary for excavation.

The Contractor shall submit a list of equipment to be used to the Engineer for approval prior to beginning stabilization work. The list of equipment shall provide a complete detailed description of each piece of equipment to include weight, type of drive (rubber, tire, track, steel drum, etc.). The use of stompers and rock wheels will not be allowed for any portion of work on this project.

Removals shall consist of the removal of all materials including reinforcement fabric, regardless of character, necessary for the construction of the project as shown or indicated on the plans and specifications and shall include but not limited to: concrete curb and gutter, drive approaches, sidewalk, cross gutter asphaltic concrete, aggregate base, vegetation, trees, roots, rocks, markers, shrubs and earth.

Under no circumstances shall the period of time between removal of existing improvements (which create an obstruction or hazard to the public) and their replacement exceed three (3) calendar days at any one location unless approved otherwise by the Engineer or necessary to facilitate or protect work. Should the Contractor fail to comply with this requirement, all other operations will be stopped until the hazard or obstruction is removed and no additional days or other compensation will be given.

Under no circumstances, shall the Contractor place concrete forms and leave the forms in place for more than 24 hours, aside from curing freshly poured concrete. Access to all residences and businesses shall be maintained to an acceptable condition unless approved otherwise by the Engineer or necessary to facilitate or protect work.

In areas where roots are encountered, they shall be removed a minimum of 12 inches from the new work, or as directed by the Engineer. Trees shall be protected in place, unless otherwise specified.

Improvements shown on plans or directed by the Engineer, including curb and gutter replacement, wheelchair ramp placement, sidewalk replacement, drive approach replacement, grading or new improvements may necessitate removal of sprinkler systems, existing landscaping including lawns, shrubs, ivy, brickwork, or concrete within the parkway (curb face to right of way line), or on private property. The Contractor shall repair, re-sod, replant and replace these areas, including top dressing of the soil within five (5) calendar days. The Contractor shall furnish all materials and labor and all work shall be done to the satisfaction of the Engineer.

The plans do not indicate any existing sprinkler systems; however field checks have revealed that there are existing sprinkler systems in the right of way. It is the Contractor's responsibility to examine the site and determine what damage, if any, will be incurred within the areas described above.

The Contractor shall dispose of all material from the job site at the end of each day and shall bear all expenses of hauling and disposal of materials.

The Engineer will mark the limits of removals within forty-eight (48) hours from the Contractor's request to have removal areas marked.

Prior to asphalt reconstruction, asphalt overlay or any other work which will cover existing valves, cleanouts and manholes, the Contractor shall tie down with distances the locations of each and all valves, cleanouts and manholes within the construction area to three or more permanent objects not subject to removal and give the information to the Engineer.

Full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in this section as specified herein, shall be considered as included in the price paid for the related items of work as listed in the bid sheet.

Removal shall conform to Subsections 300-1.3.2 (c) of the Standard Specifications and as specified in these Special Provisions.

**A. Asphalt Removal:**

Access to all private properties shall be maintained at all times during construction. Temporary drive approach ramps constructed of recycled materials or temporary asphalt (12' minimum width) shall be installed as approved by the Engineer.

Work to be performed under this item shall conform to Subsection 300-1.3.2.(a) of the Standard Specifications and these Special Provisions.

Asphalt concrete and street removals shall be done by use of a grinder machine. Excavators, backhoes, loaders, bobcats or other equipment shall not be used for this purpose unless otherwise approved in writing by the Engineer. The use of stompers and rock-wheels will not be allowed for any portion of the work on this project.

Asphalt concrete removal areas shall be saw-cut prior to removal unless otherwise approved by the Engineer and removed with caution so as not to damage adjacent improvements. The Contractor shall not use equipment such as stompers, which may damage adjacent pavement or improvements. The slurry created by saw cutting shall be removed by vacuum during saw cutting operations.

Conditions may be encountered that require additional excavation in order to bridge unsuitable base materials. The engineer may order the removal of additional existing base materials at selected locations during the removal process.

Asphalt removal shall include removal of existing materials to depths shown on project plans. The Contractor shall implement whatever measures are practical during removal operations to maintain the existing sub-grade integrity. Any sub-grade disturbed or removed due to the Contractor not using the extra care outlined or for his convenience, shall be graded and compacted to the required elevations at no cost to the City.

The minimum one (1) foot wide strip of asphalt and necessary base material removal adjacent to curb and gutter, cross gutters, drive approaches and spandrel removals

shall be replaced with six (6) inch asphalt concrete base course prior to the placement of the surface course. At no time shall the one (1) foot wide strip of asphalt remain open for more than three (3) calendar days.

Full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in this section as specified herein, shall be considered as included in the unit price paid for the related items of work as listed in the bid sheet.

Asphalt removal by Grinder shall be paid per the unit price bid per square foot of "Saw-cut and Remove Existing Roadway".

#### B. Concrete Removals:

Concrete removals will not be allowed on Fridays or the day before holidays.

Work shall be in accordance with Section 300-1-3.2(c) of the Standard Specifications and these Special Provisions. The use of stompers and rock-wheels will not be allowed for any portion of the work on this project.

All concrete work, including but not limited to, sidewalks, cross gutters & spandrel, driveway approaches, curb ramps and curb and gutter shall be saw cut and removed at locations as indicated on the plans and marked by the Engineer. The slurry created by the saw cutting shall be removed by vacuum during saw cutting operations. Drive approaches shall be removed and reconstructed one-half at a time unless otherwise approved by the Engineer.

Concrete sidewalk, driveway approaches and curb ramps shall be removed to neatly sawed edges with saw cuts made to a minimum depth of 1-1/2 inches and shall be neatly sawed in straight lines either parallel to the curb or at right angles to the alignment of the sidewalk.

Payment for concrete removals shall be considered to be included in the price paid for the various items of related work, and shall include saw-cutting, excavation, hauling, disposing, grading, compaction and for furnishing all materials, labor, tools, equipment and doing all work necessary to complete this item as indicated on the plans and as specified herein, and no additional compensation will be allowed therefore.

Payment for the placing of the one (1) foot wide strip of asphalt base course pavement adjacent to curb and gutter and other concrete related work as shown on the plans shall be considered as included in the price paid for the related items of work as listed in the bid sheet, and shall include full compensation for furnishing all labor, materials, (including asphalt emulsion and liquid asphalt), tools, equipment and for doing all the work involved in constructing one (1) foot strip of asphalt concrete as specified and no additional compensation will be allowed therefore.

Full compensation for the concrete removals shall be considered as included in the unit price paid for the replacement of the affected pay items and shall include saw cutting, excavation, hauling, disposing, grading, compaction and items specified in the first paragraph of this section.

### MEASUREMENT AND PAYMENT:

Payment for these Bid Items shall be at the contract unit price per square foot and shall include full compensation for furnishing labor, tools, equipment and incidentals required for saw-cutting, grinding and disposing of grinding material including petro-mat, if existing in pavement, off site in accordance with Standard Specifications and these Technical Provisions and no additional compensation will be allowed therefore.

### BID ITEM NO. (6, 6A and 8) CONSTRUCT AC BASE AND LEVELING COURSE

Saw-cut, cold milling and removal of existing roadway sections (AC pavement, base and/or native soil – depth per plans) at R&R locations shown on project plans and as directed by the Engineer. Removal shall conform to the Standard Specifications and Technical Provisions as noted for Items 4 and 5.

Asphalt concrete base course (7" thick) at R&R locations shall be constructed as backfill and shall conform to the Standard Specifications and these Technical Provisions

### MATERIALS:

Asphalt Concrete Base Course shall be Type III-B3 PG 70-10 (3/4" rock) and conform to the Standard Specifications Section 203 and 400-4. Provisions of the Standard Specifications Subsections 203-6 shall also be applicable.

### CONSTRUCTION METHODS:

Placement of Asphalt Concrete Leveling and Base Course shall conform to the Standard Specifications Subsection 302-5.

Prior to placement of asphalt concrete leveling base course, the exposed aggregate base or subgrade shall be compacted and edges of the existing asphalt concrete shall be cleaned, and a tack coat of SS1h emulsified asphalt shall be uniformly applied to all contact surfaces at a rate of 0.05 gallon per square yard.

All excess material shall be disposed of outside of the right of way which shall be left with a clean and finished appearance. After removing those sections marked for removal, the Contractor shall compact the exposed aggregate base or subgrade to no less than 95% relative compaction. Rolling shall be conducted in accordance with Section 302-5.6 of the Standard Specifications.

### MEASUREMENT AND PAYMENT:

Payment for these Bid Items shall be at the contract unit price per Ton of Asphalt Concrete and shall include full compensation for furnishing all material, labor, tools, equipment and incidentals to place Asphalt Concrete Base or Leveling Course in accordance with Standard Specifications and these Technical Provisions and no additional compensation will be allowed therefore.

**BID ITEM NO. (7 and 7A), PLACE RUBBERIZED ASPHALT HOT- MIX OVERLAY (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.

**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.

**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. (9, 9A and 10), REMOVE AND REPLACE CONCRETE CURB & GUTTER AND MEDIAN CURB:**

Removal and replacement of concrete curb and gutter and median curb within the project site shall conform to Standard Specifications and as required by City of La Palma Standards.

**CONSTRUCTION METHODS:**

Construction of concrete curb & gutter and median curb shall be as per Standard Specifications and as required by City of La Palma Standards. The contractor shall saw-cut and remove existing curb & gutter or median curb as shown on project plans or as directed by the City Engineer and reconstruct.

**MEASUREMENT AND PAYMENT:**

Payment for these Bid Items shall be per contract unit price per lineal foot of curb & gutter or median curb. Removal and reconstruction and shall include full compensation for material, labor, tools, equipment and incidentals in accordance with Standard Specifications and these Technical Provisions and no additional compensation will be allowed therefore.

**BID ITEM NO. (11 and 12), RECONSTRUCT 4" THICK PATTERNED CONCRETE AND SIDEWALK:**

Concrete reconstruction methods shall conform to Standard Specifications and these Technical provisions.

**CONSTRUCTION METHODS:**

Construction of patterned concrete or sidewalk within the project site shall conform to Standard Specifications and City of La Palma Standards. Existing sidewalk to be replaced shall be saw-cut, removed and disposed.

**MEASUREMENT AND PAYMENT:**

Payment for these Bid Items shall be per contract unit price per square foot and shall include full compensation for material, labor, tools, equipment for saw-cut and removal of existing side walk, removal of excess dirt, disposal of removed sidewalk and excess dirt and incidentals in accordance with Standard Specifications and these Technical Provisions and no additional compensation will be allowed therefore.

**BID ITEM NO. (13 & 14), RECONSTRUCT CONCRETE DRIVEWAY APPROACH & REMOVE AND REPLACE CROSS GUTTER & SPANDREL:**

Reconstruction of concrete driveway approach, cross gutter & spandrel within the project site shall be as required by City of La Palma Standards.

**CONSTRUCTION METHODS:**

Construction of concrete driveway approach and cross-gutter & spandrel within the project site shall conform to Standard Specifications and City of La Palma Standards. Existing concrete to be replaced shall be saw-cut, removed and disposed.

**MEASUREMENT AND PAYMENT:**

Payment for these Bid Items shall be per contract unit price per square foot and shall include full compensation for material, labor, tools, equipment for saw-cut and removal of existing side walk, removal of excess dirt, disposal of removed sidewalk and excess dirt and incidentals, and reconstruction in accordance with Standard Specifications and these Technical Provisions and no additional compensation will be allowed therefore.

**BID ITEM NO. (15), RECONSTRUCT WHEELCHAIR RAMPS PER ADA REQUIREMENTS:**

Construction of concrete wheelchair ramps, the area of concrete removal shall be from BCR to ECR, within the project site shall be as required by City of La Palma Standards.

**CONSTRUCTION METHODS:**

Existing ramps and sidewalk shall be saw-cut, removed and disposed of as required for construction of new ADA compliance access ramps per Caltrans 2006 Standard Plan A88A.

**MEASUREMENT AND PAYMENT:**

Payment for this Bid Item shall be per contract unit price for each ramp shall include full compensation for material, labor, tools, equipment and incidentals and no additional compensation will be allowed therefore.

**BID ITEM NO. (16 and 16A), INSTALL TRUNCATED DOMES AT EXISTING WHEELCHAIR RAMPS PER ADA REQUIREMENTS:**

Installation of truncated domes at existing wheelchair ramps within the project site shall conform to Standard Specifications and these Technical provisions. Truncated domes shall be Armor-Tile or approved equal.

**CONSTRUCTION METHODS:**

Truncated domes shall be installed per Caltrans 2006 Standard Plan A88A.

**MEASUREMENT AND PAYMENT:**

Payment for this Bid Item shall be per contract unit price for installation of truncated dome at each existing ramp and shall include full compensation for material, labor, tools, equipment and incidentals and no additional compensation will be allowed therefore.

**BID ITEM NO. (17) ADJUST WATER VALVES TO GRADE:**

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

**CONSTRUCTION METHODS:**

Water 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. (18, 18A and 19) 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. (20), 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.

**BID ITEM NO. (21), TRAFFIC STRIPES, CURB PAINT, PAVEMENT MARKINGS, AND RAISED PAVEMENT MARKERS:**

This work shall consist of the installation of traffic stripes, pavement markings, curb

paint, markings and legends, and raised pavement markers of the same type and at the same locations as they existed prior to implementation of improvements and reconstruction on this project (additional legends shall be at locations as shown on project plans). It shall be the Contractor's responsibility to locate and identify all existing pavement markings prior to commencing work, for replacement after work has been completed. Striping shall be conducted in paint. Cross-walks, limit lines, and pavement legends shall be thermo plastic.

#### 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 markings (cross-walks, limit lines, legends etc.) material shall be Thermoplastic 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 these 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. The crosswalk shall be thermoplastic and the remaining legend symbols and 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 install 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. (22), RESTORE MEDIAN LANDSCAPE AND IRRIGATION SYSTEM**

This work shall consist of restoring existing landscaping and irrigation system in the disturbed unpaved median area 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 landscape and irrigation system prior to commencing work, for replacement after work has been completed.

**MATERIALS AND CONSTRUCTION METHODS:**

The fertilization and organic soil amendment shall be approved by the Engineer prior to installation. Work shall be completed in accordance with Section 212 and 308 of the Standard Specifications for Public Works 2009 Edition, except as modified herein.

**MEASUREMENT AND PAYMENT:**

Payment of this Bid Item shall be per lump sum contract price and shall include full compensation for repair of landscape and irrigation system.

**OPTIONAL ITEM - SURFACE PROFILOGRAPH PER CALIFORNIA TEST 526**

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, may 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.

**APPENDIX "A"**

**STANDARD PLANS**

**CITY OF LA PALMA**

**LA PALMA AVENUE REHABILITATION PROJECT  
FROM WEST CITY LIMITS (WCL) TO VALLEY VIEW STREET**

**CITY PROJECT NO. ST-324**

**STANDARD PLANS**

**CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS:**

- STD PLAN A88A -- CURB RAMP DETAILS
- STD PLAN A20A -- PAVEMENT MARKERS & TRAFFIC LINES TYPICAL DETAILS
- STD PLAN A20B -- PAVEMENT MARKERS & TRAFFIC LINES TYPICAL DETAILS
- STD PLAN A20C -- PAVEMENT MARKERS & TRAFFIC LINES TYPICAL DETAILS
- STD PLAN A20D -- PAVEMENT MARKERS & TRAFFIC LINES TYPICAL DETAILS

**CITY OF LA PALMA/APWA STANDARD PLANS**

- |                        |                          |
|------------------------|--------------------------|
| STD PLAN 510           | MANHOLE FRAME AND COVER  |
| STD PLAN 703           | VALVE BOX INSTALLATION   |
| STD PLAN 110-1         | DRIVEWAY APPROACHES      |
| STD PLAN 113-1         | SIDEWALK REPLACEMENT     |
| STD PLAN 120-1, 121-1  | CURB AND GUTTER          |
| STD PLANS 122-1, 123-1 | CROSS GUTTERS            |
| STD PLAN 1328 - BMP    | SANDBAG VELOCITY REDUCER |
| STD PLAN 1330 - BMP    | TEMP. DRAINAGE INLET     |

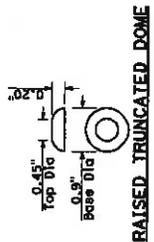
DIST. COUNTY ROUTE TOTAL PROJECT NO. SHEETS

*H. Paul Cook*  
REGISTERED CIVIL ENGINEER

September 1, 2006  
PLANS APPROVAL DATE

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

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



**NOTES:**

1. As site conditions dictate, Case A through Case G curb ramps may be used. The case of curb ramp used shall be shown in Detail A and Detail B. The case of curb ramp used shall also be shown on the mid block locations, as site conditions dictate.
2. 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.
3. When ramp is located in center of curb return, crosswalk configuration must be similar to that shown for Detail B.
4. As site conditions dictate, the retaining curb side and the flared side of the case G ramp shall be constructed in reversed position.
5. 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".
6. Side slope of ramp flares vary uniformly from a maximum of 10% at curb to conform with longitudinal sidewalk slope adjacent to top of the ramp, except in Case E.
7. The curb ramp shall be outlined, as shown, with a 1'-0" wide grooving detail.
8. Transitions from ramps and landing to walks, gutters or streets shall be flush and free of abrupt changes.
9. 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.
10. Curb ramps shall have a detectable warning surface that extends the full width and 3'-0" depth of the ramp. Detectable warning surface shall conform to the details on this plan and the requirements in the Special Provisions.
11. The edge of the detectable warning surface nearest the street shall be between 6" and 8" from the gutter flowline.
12. Sidewalk and ramp thickness, "T", shall be 3 1/2" minimum.
13. 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.
14. For retrofit conditions, removal and replacement of curb apron will be at the Contractor's option, unless otherwise shown on project plans.



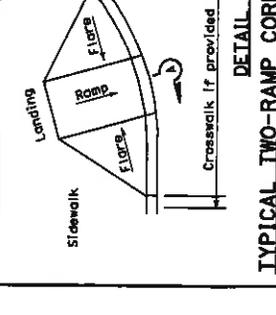
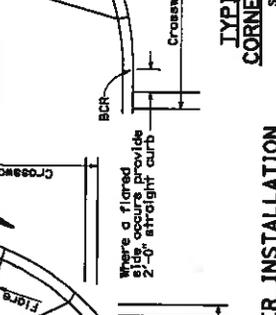
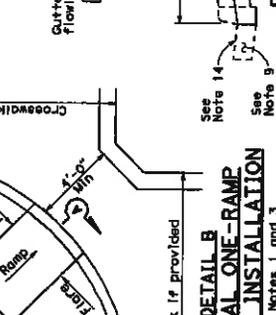
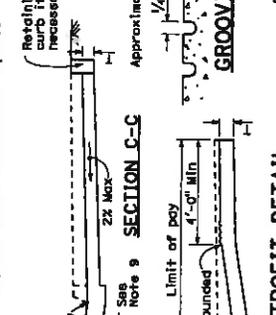
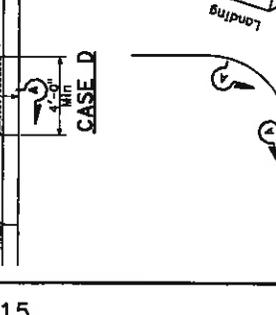
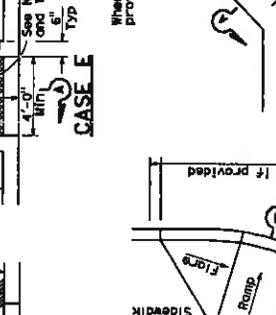
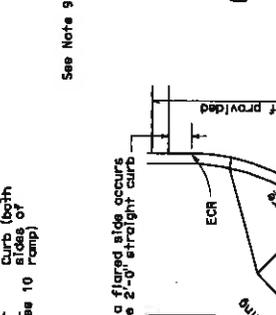
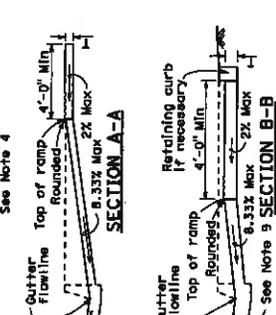
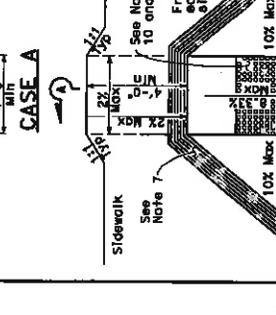
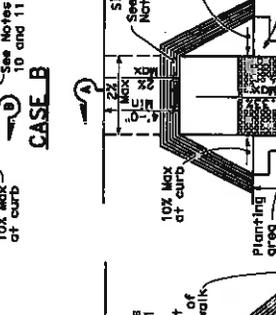
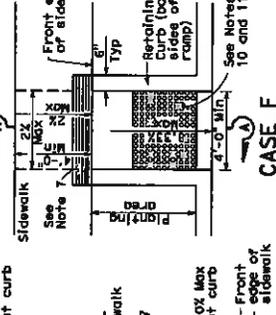
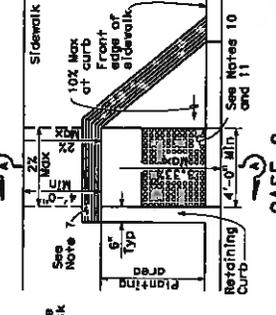
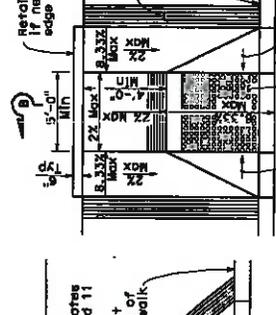
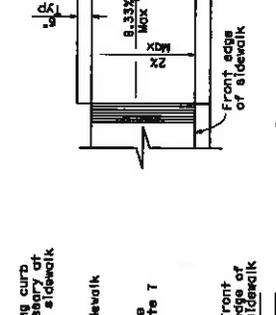
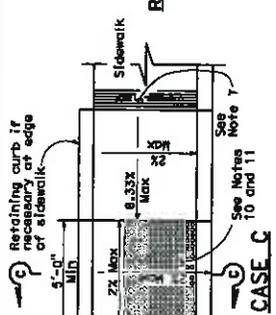
**RAISED TRUNCATED DOME PATTERN (IN-LINE)  
DETECTABLE WARNING SURFACE**

See Note 10

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**CURB RAMP DETAILS**

NO SCALE



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

**REVISED STANDARD PLAN RSP A88A**

DIST.	COUNTY	ROUTE	SHEET NO.	TOTAL SHEETS
			1	1

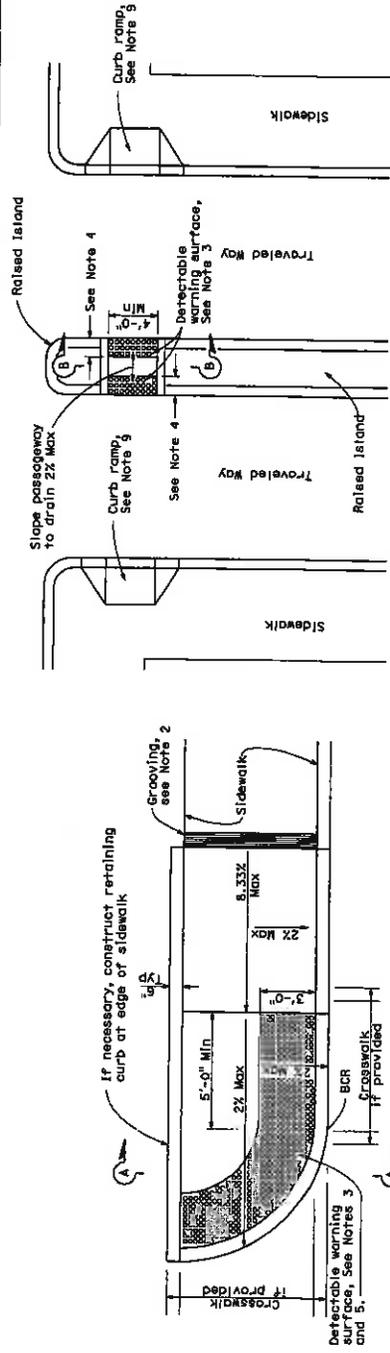
REGISTERED CIVIL ENGINEER	DATE	PROJECT NO.
H. Paul Carter	MAY 1, 2006	011887

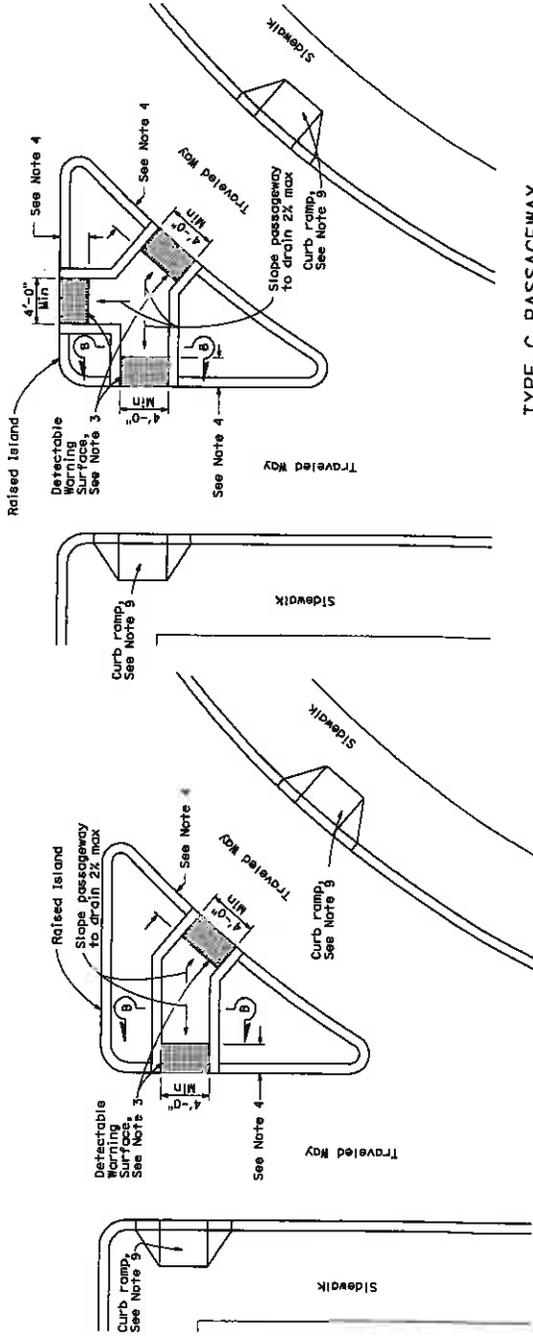
APPROVED	DATE
(Signature)	05/01/06

**NOTES:**

1. Sidewalk, ramp and passageway thickness, "T", shall be 3 1/2" minimum.
2. For details of grooving used with Case CM curb ramp, see Standard Plan A88A.
3. For details of detectable warning surfaces, see Standard Plan A88A.
4. Where an island passage way length is less than 6'-0" the detectable warning surface shall extend the full width and full depth of the passage way length. Where an island passage way length is greater than or equal to 6'-0" the detectable warning surface shall extend the full width and 2'-0" depth of the passage way length. Where an island passage way length is greater than or equal to 8'-0", each detectable warning surface shall extend the full width and 3'-0" depth of the passage way length.
5. For Case CM curb ramp, the edge of the detectable warning surface nearest the street shall be between 6" and 8" from the gutter flowline.
6. Transitions from ramps to walks, gutters or streets shall be flush and free of abrupt changes.
7. Maximum slopes of adjoining gutters, the road surface curb shall not exceed 5 percent within 4'-0" of the top and bottom of the curb ramp.
8. 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.
9. For additional curb ramp details, see Standard Plan A88A.

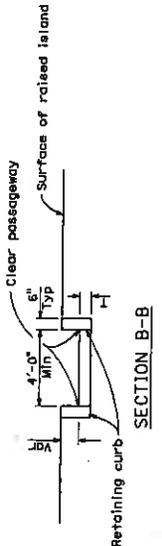


**TYPE A PASSAGEWAY**

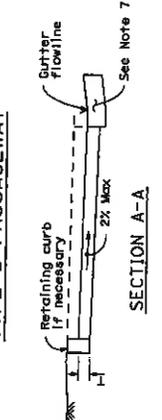


**TYPE B PASSAGEWAY**

**TYPE C PASSAGEWAY**



**SECTION B-B**



**SECTION A-A**

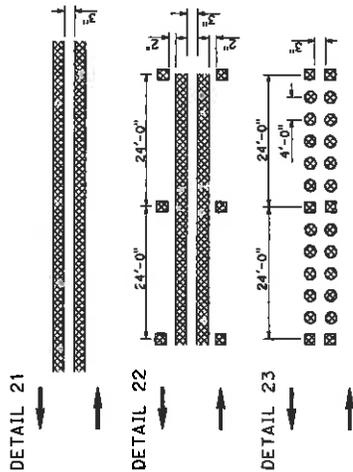
STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**CURB RAMP AND ISLAND PASSAGEWAY DETAILS**  
 NO SCALE  
**A88B**

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

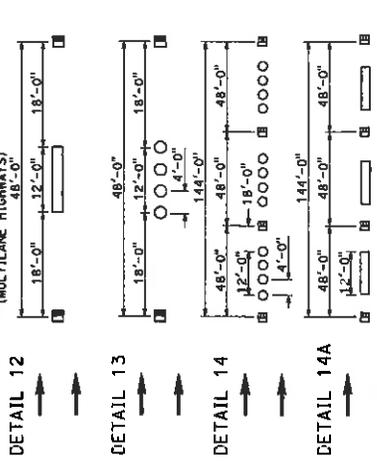
**REGISTERED CIVIL ENGINEER**  
*Donald E. Schaefer*  
 MAY 1, 2006  
 PLANS APPROVAL DATE  
 The State of California or its officers or agents, in approving these plans, does not assume any liability for or endorse any of the work shown hereon.  
 To get the full name and title, go to: <http://www.dbs.ca.gov>

REGISTERED PROFESSIONAL ENGINEER  
 David E. Schaefer  
 CEB402  
 CIVIL  
 5-31-07

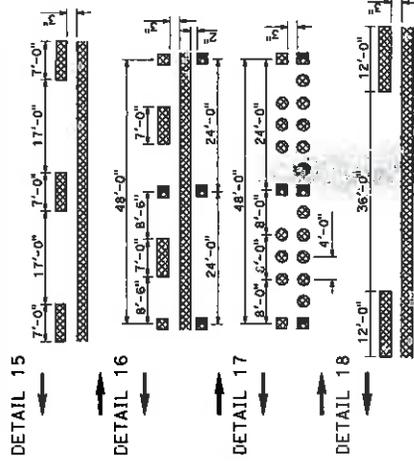
**NO PASSING ZONES-TWO DIRECTION**



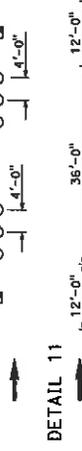
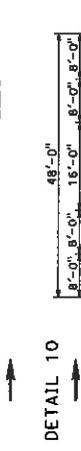
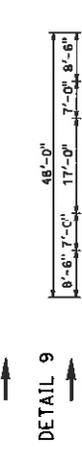
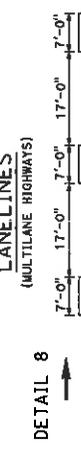
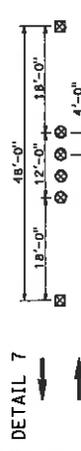
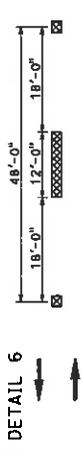
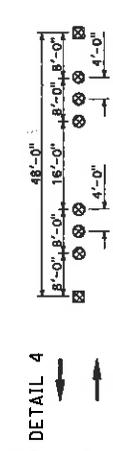
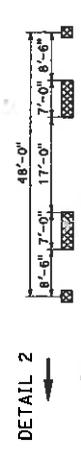
**LANELINES (CONT)**  
(MULTILANE HIGHWAYS)



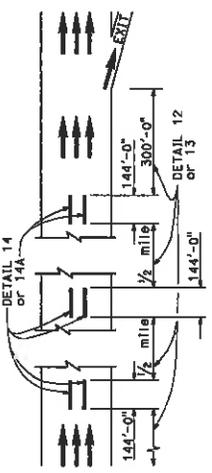
**NO PASSING ZONES-ONE DIRECTION**



**CENTERLINES**  
(2 LANE HIGHWAYS)



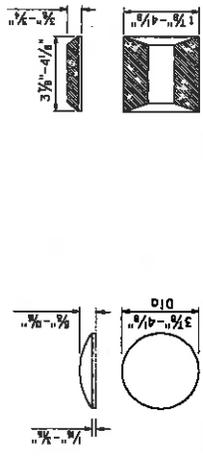
**TYPICAL LANE LINE DELINEATION IN ADVANCE OF EXIT RAMP**



- LEGEND**
- MARKERS**
- TYPE A White Non-reflective
  - ⊙ TYPE AY Yellow Non-reflective
  - ⊞ TYPE C Red-clear Retroreflective
  - ⊞ TYPE D Two-way Yellow Retroreflective
  - ⊞ TYPE G One-way Clear Retroreflective
  - ⊞ TYPE H One-way Yellow Retroreflective
- LINES**
- ▬ 4" White
  - ▬ 4" Yellow
- Direction of Travel →

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

**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

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

*Donald E. Fisher*  
REGISTERED CIVIL ENGINEER  
NO. 44840  
EXPIRES 12/31/07

MAY 1, 2006  
PLANS APPROVAL DATE

THE STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
DESIGNATION OF THIS PLAN  
NO. 3-31-07

To put in the California web site, go to: <http://www.fhwa.dot.gov>

**INTERSECTION TREATMENTS**

**LEGEND**

**MARKERS**

- TYPE AY Yellow Non-reflective
- TYPE D Yellow Retroreflective
- TYPE H One-Way Yellow Retroreflective

**LINES**

- 4" White
- 4" Yellow

Direction of Travel

**MEDIAN ISLANDS**

DETAIL 24

DETAIL 25

DETAIL 25A

DETAIL 26

DETAIL 27

Edge of traveled way

**LEFT EDGELINES (DIVIDED HIGHWAYS)**

**RIGHT EDGELINES**

DETAIL 28

DETAIL 29

DETAIL 30

DETAIL 31

DETAIL 32

DETAIL 33

Centerline Intersecting Street

DETAIL 34

DETAIL 34A

DETAIL 35

DETAIL 35A

Two-Way Left Turn Lanes

DETAIL 27A deleted

DETAIL 27B

DETAIL 27C

RIGHT EDGELINE EXTENSION THROUGH INTERSECTIONS

**MARKER DETAILS**

TYPE AY

TYPE D

TYPE H

Retroreflective Face

**PAVEMENT MARKERS AND TRAFFIC LINES TYPICAL DETAILS**

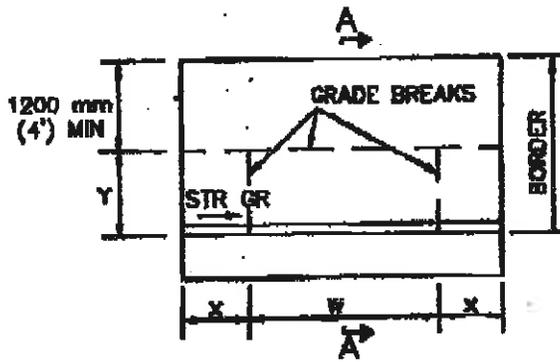
NO SCALE

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

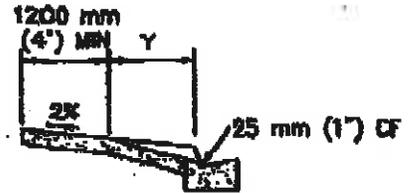
A20B



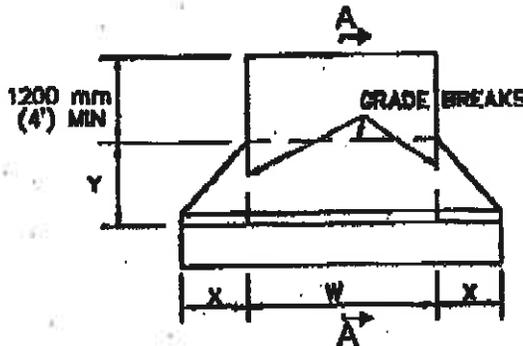




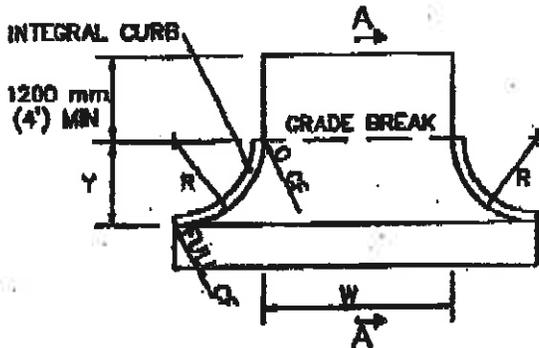
TYPE A



SECTION A-A



TYPE B



TYPE C

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

NOTES:

1. RESIDENTIAL DRIVEWAYS SHALL BE 100 mm (4") THICK PCC.
2. COMMERCIAL DRIVEWAYS SHALL BE 150 mm (6") THICK PCC.
3. WEAKENED PLANE JOINTS SHALL BE INSTALLED AT BOTH SIDE OF A DRIVEWAY AND AT APPROXIMATELY 3000 mm (10') 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.
6. DIMENSIONS SHOWN ON THIS PLAN FOR METRIC AND ENGLISH UNITS ARE NOT EXACTLY EQUAL VALUES. IF METRIC UNITS ARE USED, ALL VALUES USED FOR CONSTRUCTION SHALL BE METRIC VALUES. IF ENGLISH UNITS ARE USED, ALL VALUES USED FOR CONSTRUCTION SHALL BE ENGLISH VALUES.

AMERICAN PUBLIC WORKS ASSOCIATION - SOUTHERN CALIFORNIA CHAPTER

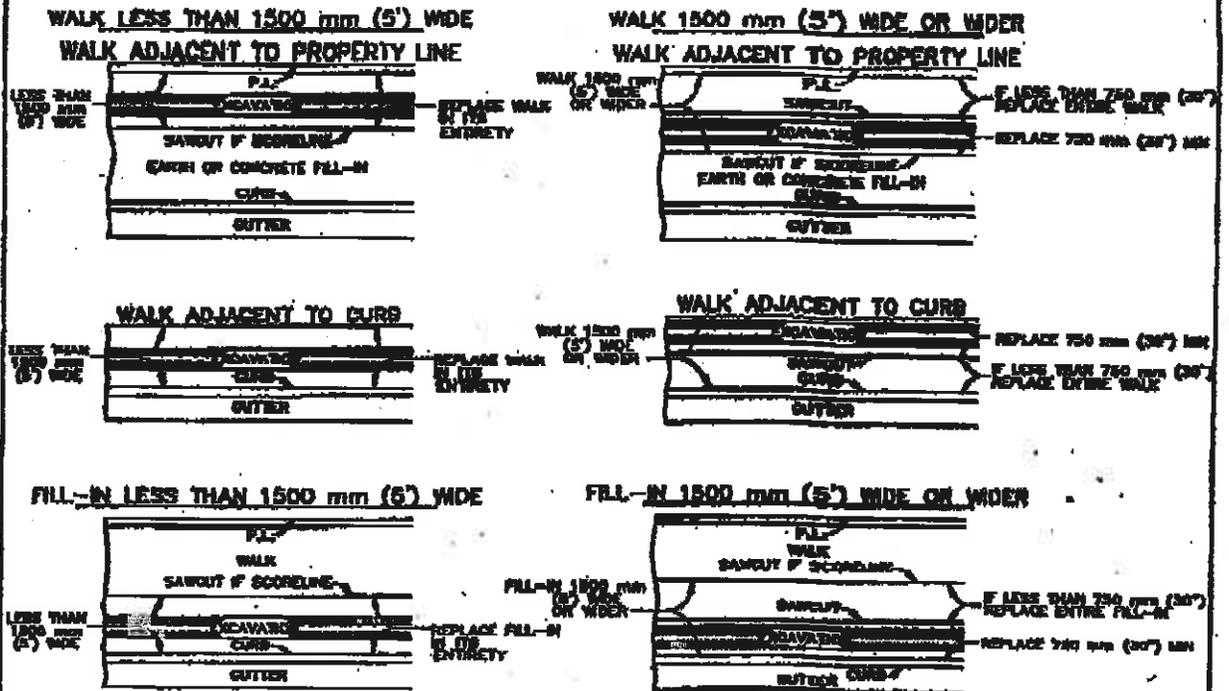
PREPARED BY THE  
PUBLIC WORKS STANDARDS AND  
CONSTRUCTION COMMITTEE  
1984  
REV. 1988

**DRIVEWAY APPROACHES**

USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

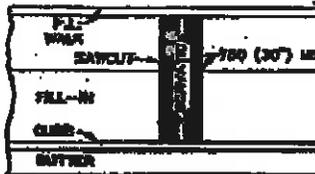
STANDARD PLAN  
METRIC  
**110-1**  
SHEET 1 OF 1

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



## 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 750 mm (30") 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 300 mm (12") OF A SCORELINE, THE CONCRETE SHALL BE REMOVED AND REPLACED TO THE SCORELINE. THE SCORELINE SHALL BE SAWCUT PRIOR TO REMOVAL.  
 THE MINIMUM LENGTH OF REPLACEMENT IN BOTH CASES SHALL BE 750 mm (30").

### NOTES

1. CONCRETE WALK, FILL-IN AND DRIVEWAYS REMOVED IN CONNECTION WITH CONSTRUCTION SHALL BE REPLACED TO NEATLY FINISHED EDGES. ALL CUTS SHALL BE PARALLEL TO OR PERPENDICULAR TO THE CURB; ON CURVES, THE CUT SHALL BE RADIAL TO THE CURB.
2. DRIVEWAY APPROX IN WHICH THE "W" DISTANCE IS LESS THAN 3300 mm (11') SHALL BE REPLACED IN THEIR ENTIRETY IF CUT IN ANY AREA.
3. DRIVEWAY APPROX IN WHICH THE "W" DISTANCE IS 3300 mm (11') OR MORE MAY BE CUT WITHIN THE "W" SECTION. THE MINIMUM REPLACEMENT SHALL BE 750 mm (30") IN LENGTH. THE MINIMUM DISTANCE ALLOWED BETWEEN SUCH CUTS SHALL BE 600 mm (18").
4. DRIVEWAY APPROX IN WHICH THE "W" DISTANCE IS 3300 mm (11') OR MORE MAY BE CUT IN THE X OR R SECTION. REPLACEMENT SHALL BE THE ENTIRE X OR R SECTION.
5. DRIVEWAY APPROX 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.
8. DIMENSIONS SHOWN ON THIS PLAN FOR METRIC AND ENGLISH VALUES ARE NOT EXACTLY EQUAL VALUES. IF METRIC UNITS ARE USED, ALL VALUES USED FOR CONSTRUCTION SHALL BE METRIC VALUES. IF ENGLISH UNITS ARE USED, ALL VALUES USED FOR CONSTRUCTION SHALL BE ENGLISH VALUES.

### AMERICAN PUBLIC WORKS ASSOCIATION - SOUTHERN CALIFORNIA CHAPTER

PROBULGATED BY THE  
PUBLIC WORKS STANDARDS AND  
SPECIFICATIONS COMMITTEE  
1983  
NOV. 1983

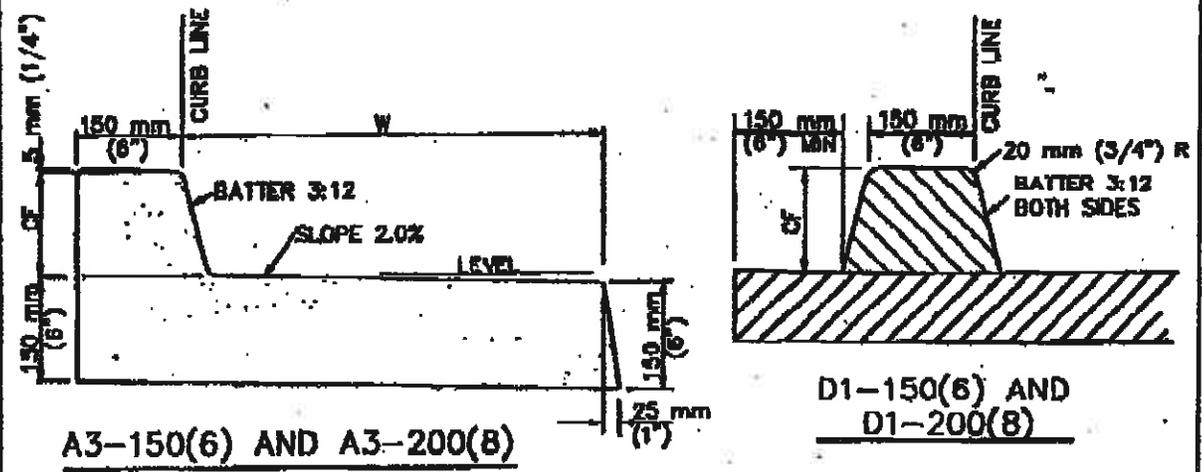
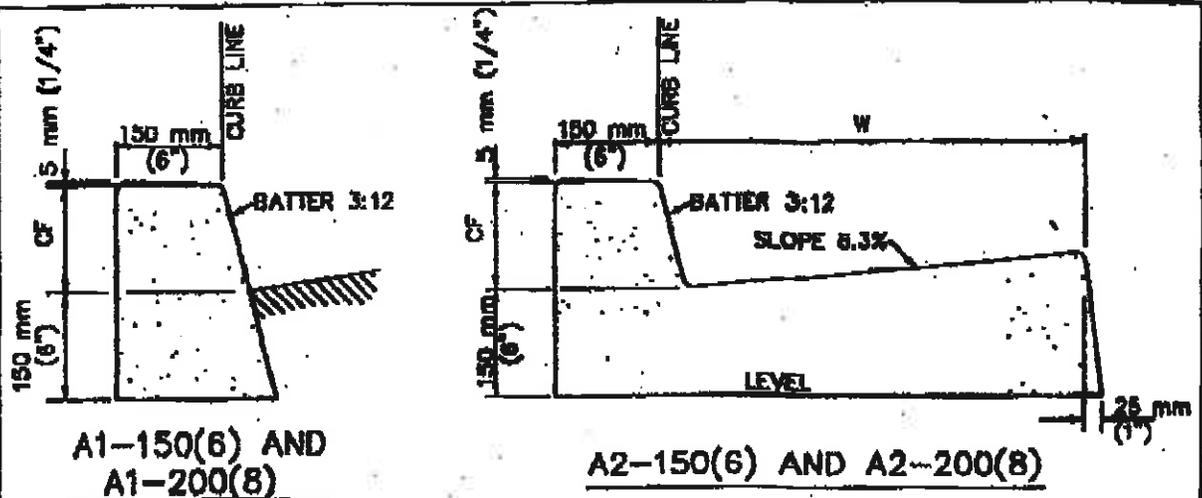
## SIDEWALK & DRIVEWAY REPLACEMENT

STANDARD PLAN  
METRIC

113 - 1

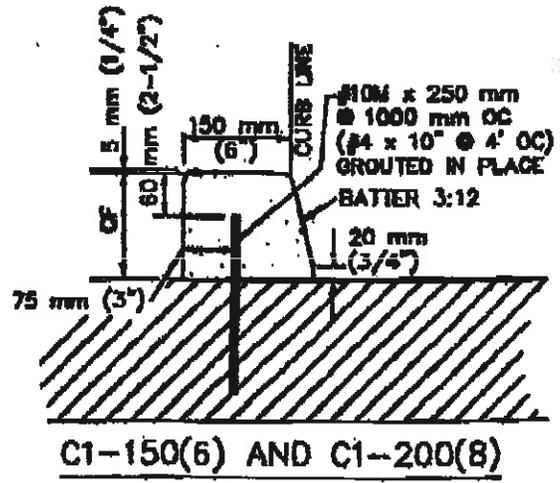
USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

8 SHEET 1 OF 1

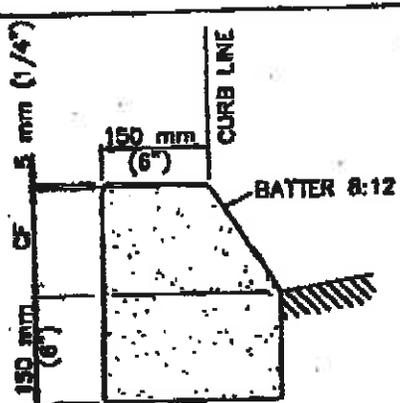


**NOTES:**

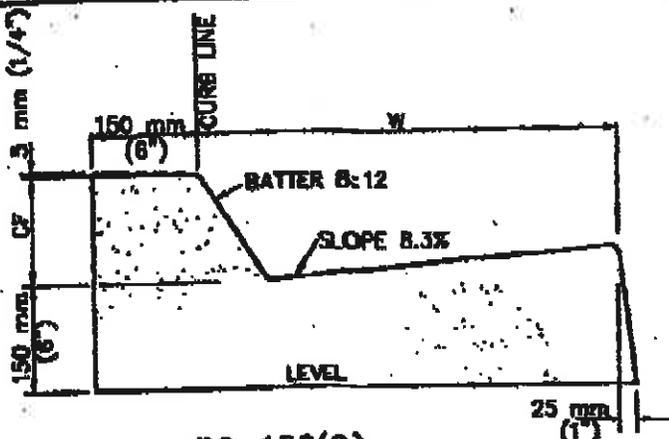
1. THE LAST NUMBER IN THE DESIGNATION IS THE CURB FACE (CF) HEIGHT, mm (INCHES).
2. GUTTER WIDTH, W, IS 600 mm (24") UNLESS OTHERWISE SPECIFIED.
3. TYPES A1, A2, A3 AND G1 SHALL BE CONSTRUCTED FROM PCC.
4. TYPE D1 CURB SHALL BE CONSTRUCTED FROM ASPHALT CONCRETE.
5. TYPE C1 CURB SHALL BE ANCHORED WITH 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 15 mm (1/2") RADIUS.
7. DIMENSIONS SHOWN ON THIS PLAN FOR METRIC AND ENGLISH UNITS ARE NOT EXACTLY EQUAL VALUES. USE EITHER METRIC OR ENGLISH VALUES, AS REQUIRED, BUT NOT BOTH, EXCEPT THAT ASTM 615 REINFORCING STEEL MAY BE SUBSTITUTED FOR ASTM 615M STEEL.



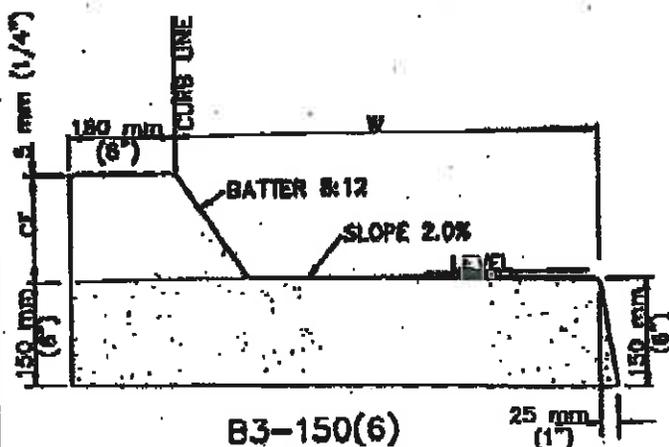
<b>AMERICAN PUBLIC WORKS ASSOCIATION - SOUTHERN CALIFORNIA CHAPTER</b>		
PROMULGATED BY THE PUBLIC WORKS STANDARDS INC. GREENSBORO COMMITTEE 1984 APRIL 1990	<b>CURB AND GUTTER -- BARRIER</b>	STANDARD PLAN METRIC <b>120-1</b> SHEET 1 OF 1
USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION		



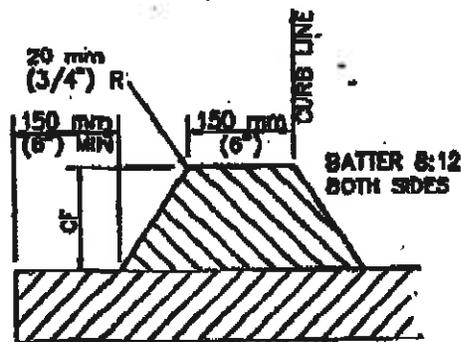
**B1-150(6)**



**B2-150(6)**



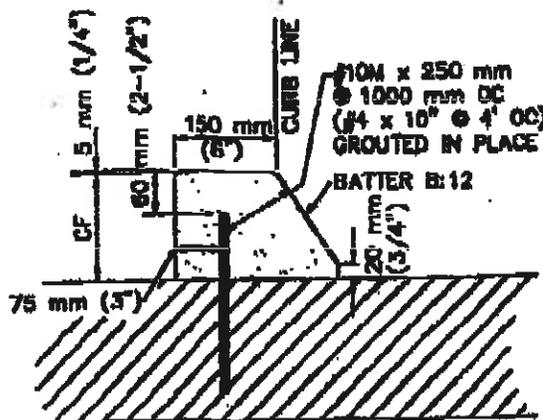
**B3-150(6)**



**D2-150(6)**

**NOTES:**

1. THE LAST NUMBER IN THE DESIGNATION IS THE CURB FACE (CF) HEIGHT, mm (INCHES).
2. GUTTER WIDTH, W, IS 600 mm (24") 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 16 mm (1/2") RADIUS.
7. DIMENSIONS SHOWN ON THIS PLAN FOR METRIC AND ENGLISH UNITS ARE NOT EXACTLY EQUAL VALUES, USE EITHER METRIC OR ENGLISH VALUES, AS REQUIRED, BUT NOT BOTH, EXCEPT THAT ASTM #15 REINFORCING STEEL MAY BE SUBSTITUTED FOR ASTM #15M STEEL.



**C2-150(6)**

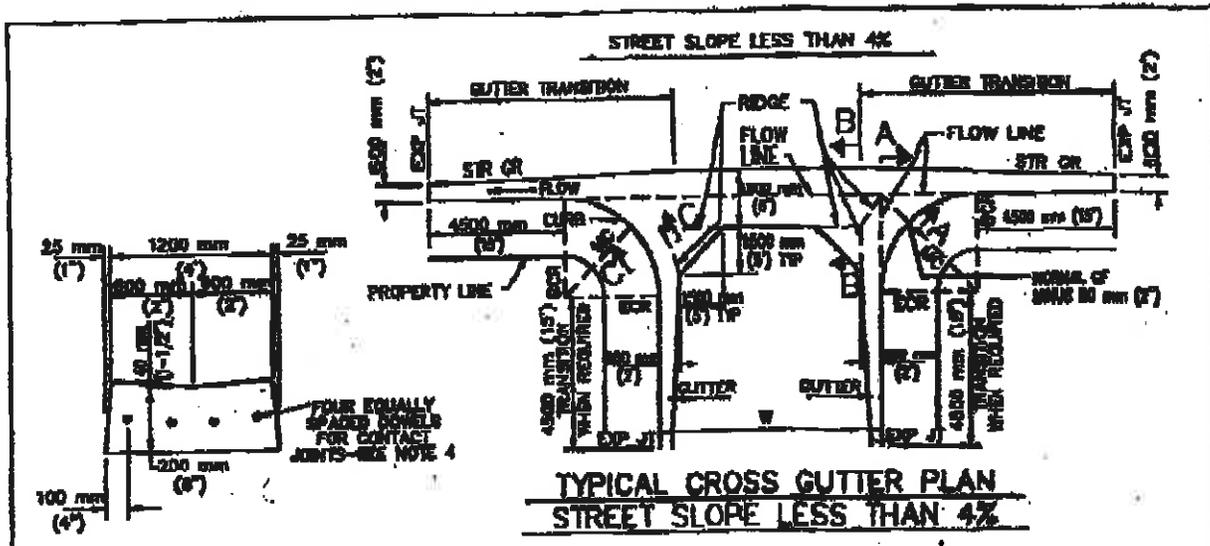
**AMERICAN PUBLIC WORKS ASSOCIATION - SOUTHERN CALIFORNIA CHAPTER**

PROMULGATED BY THE  
PUBLIC WORKS STANDARDS INC.  
GREENBOOK COMMITTEE  
1984  
REV. 1992

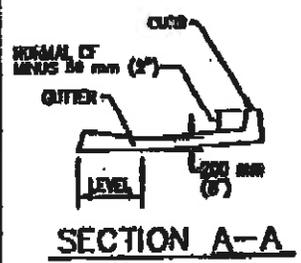
**CURB AND GUTTER — MOUNTABLE**

USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION

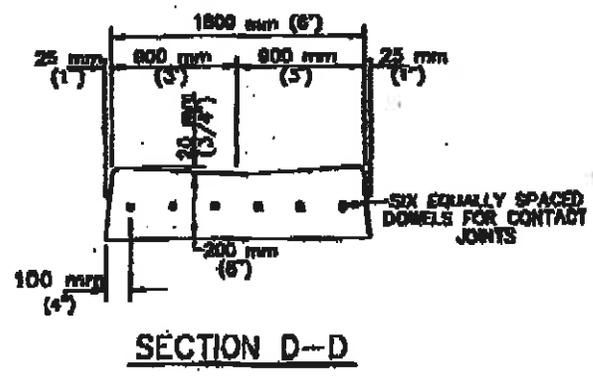
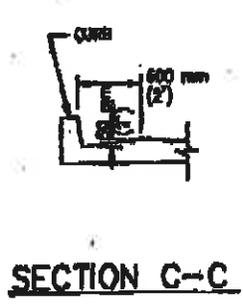
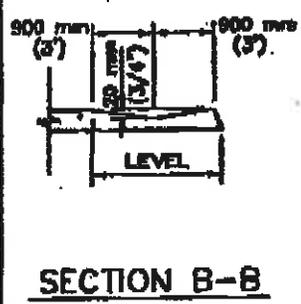
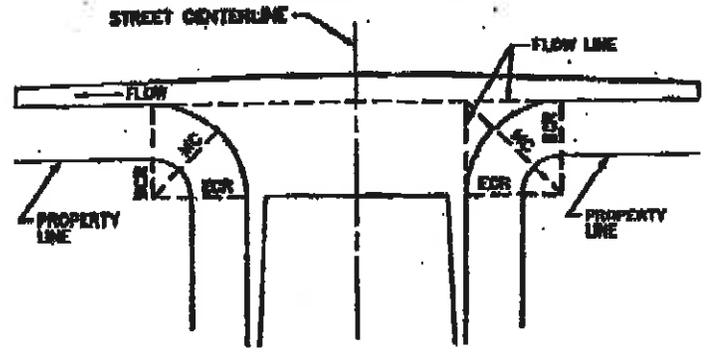
STANDARD PLAN  
METRIC  
**121-1**  
SHEET 1 OF 1



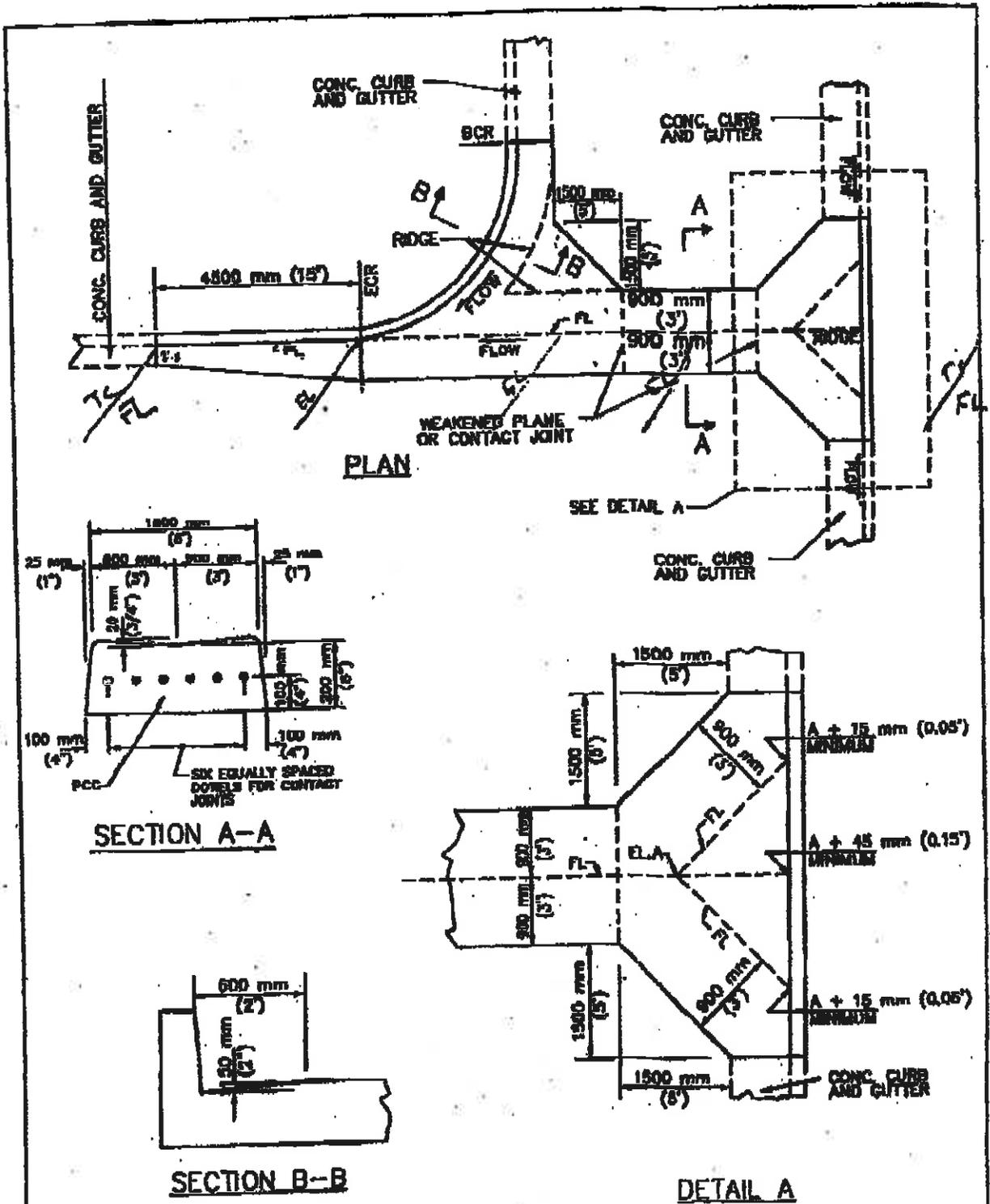
**LONGITUDINAL  
GUTTER**



**STREET SLOPE 4% OR GREATER**



<b>AMERICAN PUBLIC WORKS ASSOCIATION - SOUTHERN CALIFORNIA CHAPTER</b>		
PROMULGATED BY THE PUBLIC WORKS STANDARDS INC. GREENBOOK COMMITTEE 1994 REV. 1999	<h2 style="margin: 0;">CROSS AND LONGITUDINAL GUTTERS</h2>	STANDARD PLAN LISTING <h1 style="margin: 0;">122 - 1</h1> SHEET 1 OF 2
USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION		



<b>AMERICAN PUBLIC WORKS ASSOCIATION - SOUTHERN CALIFORNIA CHAPTER</b>		
PROMULGATED BY THE PUBLIC WORKS STANDARDS INC. GREENBOOK COMMITTEE 2808 REV. 1984	<b>CROSS GUTTER AT T INTERSECTIONS</b>	STANDARD PLAN METRIC <b>123 - 1</b> SHEET 1 OF 2
USE WITH STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION		

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Orange County Stormwater Program

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# Construction Runoff Guidance Manual

September 2006



**PROJECT**  
**Pollution**  
**PREVENTION**

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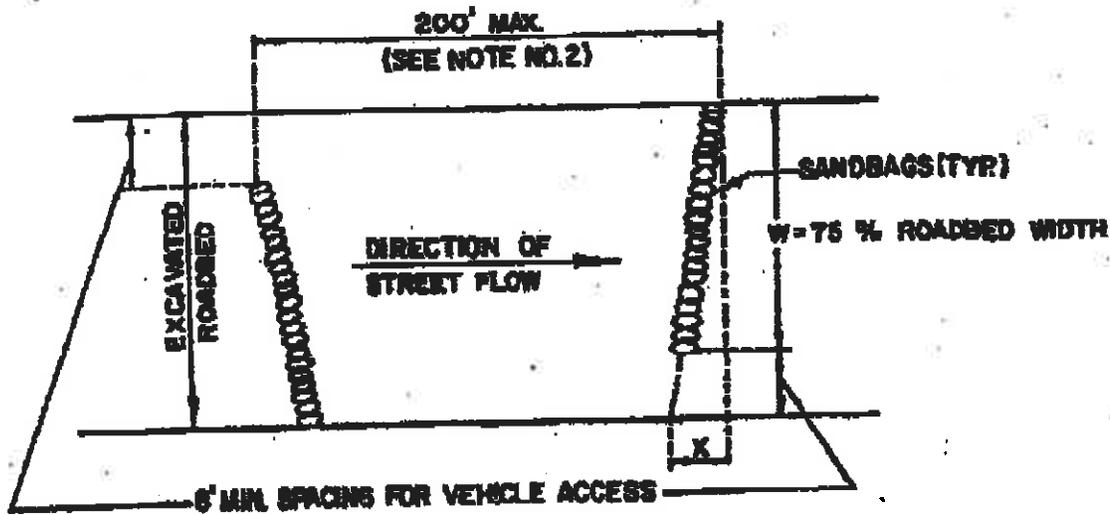
A cooperative project of the County of Orange, the cities of Orange County, and the Orange County Flood Control District

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**Orange County Environmental Management Agency  
(Now County of Orange Resources & Development  
Management Department)**

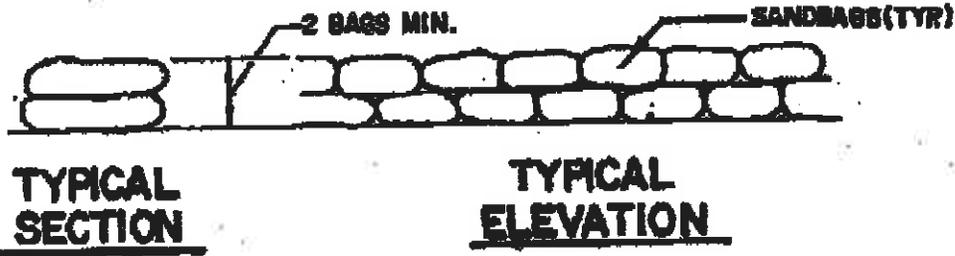
**BMP Standard Plans**

- **Sandbag Velocity Reducer (No. 1328)**
- **Temporary Drainage Inlet (No. 1330)**



**PLAN**

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



**TYPICAL SECTION**

**TYPICAL ELEVATION**

**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 end 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 *[Signature]*  
H. J. JORDAN DIRECTOR OF REGULATION

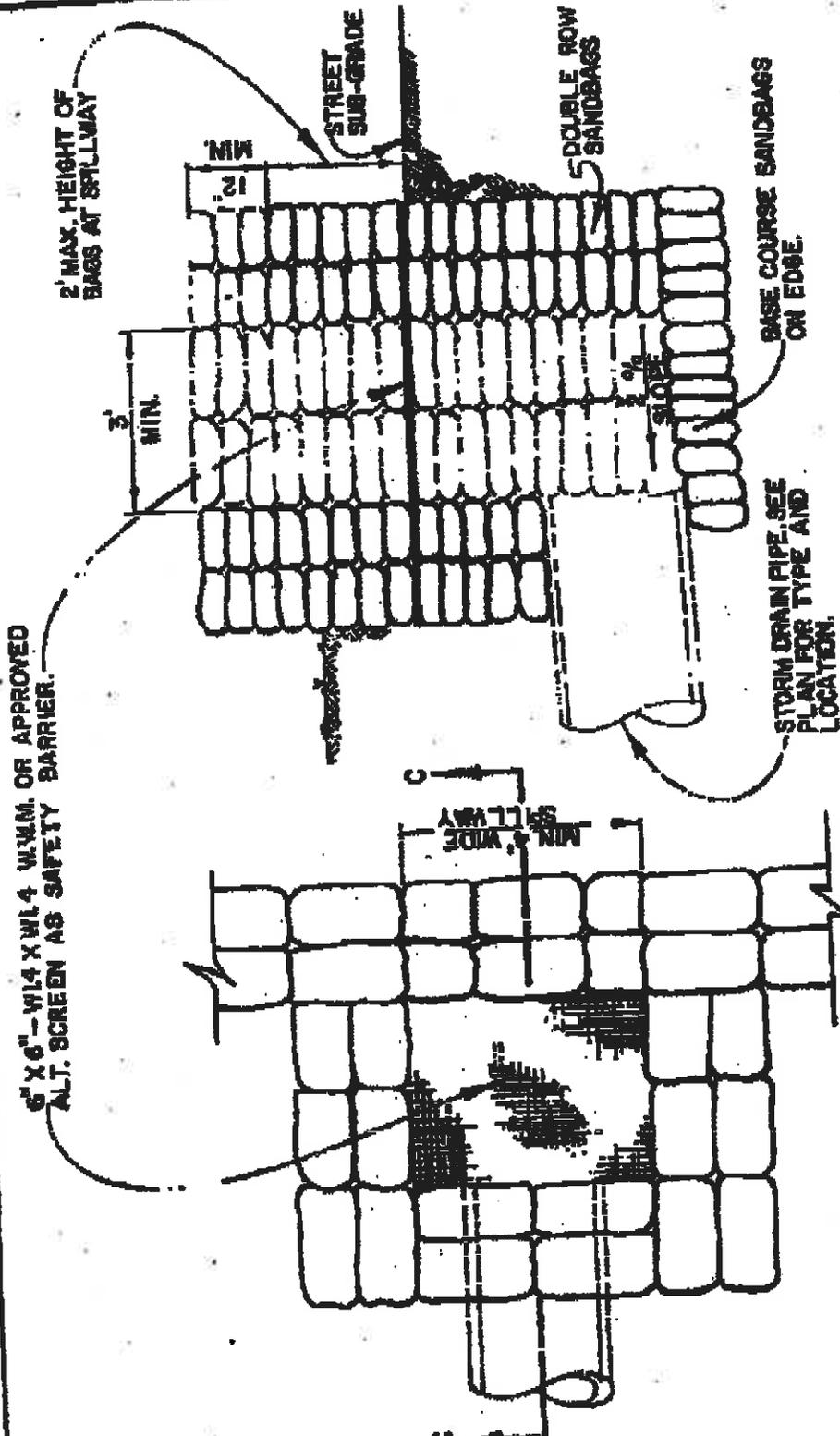
STD. PLAN

1328

Approved: Rev. 02-74B

SHEET 1 OF 1

**SANDBAG VELOCITY REDUCER**



**SECTION G-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 basins may be constructed to place of sandbags.
3. This standard detail shall be used as shown on the approved erosion control plan.

ORANGE COUNTY ENVIRONMENTAL MANAGEMENT AGENCY

APPROVED *[Signature]*  
 H.J. KRIZAN DIRECTOR OF REGULATION

Adopted: Res. 82-718

**TEMPORARY DRAINAGE INLET**

STD. PLAN

**1330**

SHT. 1 OF 1