

CITY OF SAN LEANDRO  
STATE OF CALIFORNIA

## CONTRACT BOOK

Proposal  
Notice to Bidders  
Agreement  
Special Provisions

FOR

### CURB RAMP UPGRADES (2015-16)

FOR USE WITH:

THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, THE 2006 EDITION AND 2008 SUPPLEMENT THERETO, AMERICAN PUBLIC WORKS ASSOCIATION, SOUTHERN CALIFORNIA CHAPTER; AND SECTION 86 OF THE 2010 EDITION OF THE CALIFORNIA DEPARTMENT OF TRANSPORTATION (CALTRANS) STANDARD SPECIFICATIONS; THE STATE DEPARTMENT OF INDUSTRIAL RELATIONS GENERAL PREVAILING WAGE RATES; AND THE STATE DEPARTMENT OF TRANSPORTATION LABOR SURCHARGE AND EQUIPMENT RENTAL RATES.

**PROJECT NO. 2016.0071**

**BID NO. 15-16.014**

Engineering and Transportation Department  
835 East 14th Street  
San Leandro, CA 94577

Telephone: (510) 577-3428

Fax: (510) 577-3294

PROJECT ENGINEER: JOHN O'DRISCOLL

  
\_\_\_\_\_  
Nick Thom, P.E., City Engineer  
R.C.E. 54659 Expires 12/31/17



**BID OPENING:**

**3:00 p.m., Thursday, April 21, 2016**

# Table of Contents

<b>PROPOSAL FORMS .....</b>	<b>3</b>
<b>PROJECT LOCATIONS LIST .....</b>	<b>26</b>
<b>NOTICE TO BIDDERS .....</b>	<b>30</b>
<b>AGREEMENT .....</b>	<b>34</b>
<b>SPECIAL PROVISIONS .....</b>	<b>51</b>
<b>PART 1 GENERAL PROVISIONS .....</b>	<b>51</b>
<b>SECTION 1 TERMS, DEFINITIONS, ABBREVIATIONS, AND SYMBOLS.....</b>	<b>51</b>
<b>SECTION 2 SCOPE AND CONTROL OF THE WORK.....</b>	<b>53</b>
<b>SECTION 3 CHANGES IN WORK.....</b>	<b>60</b>
<b>SECTION 4 CONTROL OF MATERIALS .....</b>	<b>65</b>
<b>SECTION 5 UTILITIES .....</b>	<b>66</b>
<b>SECTION 6 PROSECUTION, PROGRESS, AND ACCEPTANCE OF THE WORK.....</b>	<b>67</b>
<b>SECTION 7 RESPONSIBILITIES OF THE CONTRACTOR.....</b>	<b>75</b>
<b>SECTION 8 FACILITIES FOR AGENCY PERSONNEL.....</b>	<b>95</b>
<b>SECTION 9 MEASUREMENT AND PAYMENT .....</b>	<b>96</b>
<b>PART 2 CONSTRUCTION MATERIALS.....</b>	<b>100</b>
<b>PART 3 CONSTRUCTION METHODS.....</b>	<b>107</b>
<b>APPENDIX A STANDARD PLANS</b>	

# PROPOSAL FORM TO THE CITY OF SAN LEANDRO

## Proposal Requirements

1. All bidders shall complete the "Proposal to the City of San Leandro" form contained in this Contract Book. The form consist of the following parts;

Proposal To The City Of San Leandro

Contract Price Schedule

List Of Subcontractors

City of San Leandro Local Business Inclusion Ordinance

Local Business Preference (Prime Contractor)

Good Faith Effort Local Business Participation Goal Outreach Certification

Addenda Acknowledgment And Information

Principal Persons With Interest In Proposal

Experience And Financial Responsibility

Eligibility Contract Statement

Bidder Questionnaire

National Labor Relations Board Statement

Non-Collusion Affidavit

Debarment And Suspension Certification

Public Contract Code Chapter 2.7 Iran Contracting Act of 2010

Business License Application

Bid Bond

This completed proposal form shall be submitted in its entirety, presented under sealed cover, shall be accompanied by a bidder's bond executed by an admitted surety insurer, naming the City of San Leandro as beneficiary.

2. The form of Bidder's Bond to be used in included with the proposal form. The bidder's bond shall be at least 10% of the bid amount. As an alternative to the Bidder's Bond, cash, cashier's check, or certified check payable to the City and in an amount equal to at least 10% of the bid amount may be used.

3. A statement of Experience and Financial Responsibility shall accompany the proposal. A form for this statement can be found as part of the Proposal to the City of San Leandro, which follows these proposal requirements.
4. If bidder is:
  - A. An individual doing business in his or her own name; sign name only.
  - B. An individual using a firm name; sign name as an individual D.B.A. (doing business as). For example: "John Doe, an individual doing business as XYZ Company".
  - C. A co-partnership; sign name with title as in this example: "XYZ Co., by John Doe, Copartner." Also, provide the names of all individuals.
  - D. A corporation; sign name with title as in this example: "XYZ Co., by John Doe, President". Also, state legal name of corporation, names of the president, secretary, treasurer, and manager of the corporation. Affix seal of corporation.
4. The business address of the bidder must be filled in completely on the proposal, giving the address of the firm in the case of a partnership or a corporation, not the address of the partner or official signing this proposal.
5. The spaces provided on the proposal for State of California Contractor's License Number and classification must be filled in completely.
6. To assure recognition, write the words "Proposal, etc." plainly on the envelope.
7. The bidder must provide evidence of a current City of San Leandro Business License or a copy of the application for such as part of this proposal.

# PROPOSAL TO THE CITY OF SAN LEANDRO

CITY OF SAN LEANDRO  
STATE OF CALIFORNIA

FOR

## CURB RAMP UPGRADES (2015-16)

PROJECT NO. 2016.0071

NAME OF BIDDER: \_\_\_\_\_

BUSINESS ADDRESS: \_\_\_\_\_

CITY, STATE, ZIP: \_\_\_\_\_

LICENSE NO.: \_\_\_\_\_ CLASS: \_\_\_\_\_ EXP. DATE: \_\_\_\_\_

TELEPHONE NO.: (     ) \_\_\_\_\_ FAX NO.: (     ) \_\_\_\_\_

EMAIL: \_\_\_\_\_

The work for which this proposal is submitted is for construction in accordance with the Contract Documents, including the Special Provisions of the Agreement, the project plans described below, and the Standard Specifications for Public Works Construction, 2006 edition and 2008 supplement thereto, adopted by the American Public Works Association, Southern California Chapter, and Sections 82, 84, 85, & 86 of the 2010 edition of the California Department of Transportation (CALTRANS) Standard Specifications and the Special Provisions (Technical Specifications) and Standard Plans thereto adopted by the City Engineer. The Contract Book shall be used in conjunction with the above documents, and the State of California Department of Transportation Labor Surcharge and Equipment Rental Rates, and the State Department of Industrial Relations General Prevailing Wage Rates current at the bid opening date.

The project plans for the work to be done are included in the contract book entitled “**Curb Ramp Upgrades (2015-16) Project**”. Construction Documents were approved by the **City Engineer on March 21, 2016**.

The work to be done consists of: **concrete sidewalk curb & gutter demolition, concrete sidewalk and curb ramp construction, asphalt concrete tie-ins, traffic signal, push button and pull box relocations**; and doing all appurtenant work in place and ready for use, all as shown on the plans and described in the specifications with the title indicated in the above paragraph, and on file in the office of the Engineer. Reference to said plans and specifications is hereby made for further particulars..

A bidder's security, in an amount and of a form described under Paragraph 1 of the Proposal Requirements section of these provisions shall accompany this proposal.

The attention of all bidders is directed to Sections 2-1 of the Special Provisions for the basis of award.

The bidder shall set forth for each item of work a unit price and a total price for the item, and for each lump sum item a total for the item, all in clearly legible figures in the respective spaces provided for this purpose. In the case of unit basis items, the amount set forth under the "Total Price" column shall be the extension of the item price bid on the basis of the estimated quantity for the item.

In case of conflict between an item price in words and the price in figures, the price in words shall prevail. In case of discrepancy between an item price and the total set forth for a unit basis item, the item price shall prevail. However, if the amount set forth as an item price is ambiguous, illegible, or uncertain for any cause, or is omitted, or is the same amount as the entry in the "Total Price" column, then the amount set forth in the "Total Price" column for the item shall prevail and shall be divided by the estimated quantity for the item and the price thus obtained shall be the item price. "Total Bid" shall be the total sum of the "Total Price" column as corrected.

The successful bidder must submit a signed agreement, all required bonds, and proof of insurance within 12 working days after the bidder has received notice from the City that the contract has been awarded. If the successful bidder fails to do so, the City may, at its option, determine that the bidder has abandoned the contract, and the bidder's bid security will be forfeit. The City may then award the contract to the next qualified bidder.

The undersigned, as bidder, declares as follows:

1. The only persons or parties interested in this proposal as principals are those named herein;
2. This proposal is made without collusion with any other person, firm or corporation;
3. We have carefully examined the location of the proposed work, the annexed proposed form of contract, and the plans therein referred to; and
4. We propose and agree, if this Proposal is accepted, that we will contract with the City of San Leandro in the form of the copy of the contract annexed hereto;
5. We will provide all necessary machinery, tools, apparatus and other means of construction;
6. We will do all the work and furnish all the materials specified in the contract, in the manner and time therein prescribed, and according to the requirements of the Engineer as therein set forth; and
7. This bid is sufficient to allow us to comply with all applicable local, state, and federal laws or regulations governing the labor or services to be provided; and
8. We will take in full payment therefore in the amounts shown on the following Contract Price Schedule, as follows:

## CONTRACT PRICE SCHEDULE

Item No.	Description	Estimated Quantity (A)	Unit of Measure	Item UNIT Price (in Words)	Item UNIT Price (in Figures) (B)	TOTAL PRICE (in Figures) (AxB)
1.	Mobilization	1	LS	_____		
2.	Traffic Control per section 7-10.3.	1	LS	_____		
3.	Install Curb and Gutter per drawing 100 case 3101	3,500	LF	_____		
4.	Install Sidewalk per drawing 100 case 3101	3,100	SF	_____		
5.	Install Wheelchair Curb Cut Ramp per drawing 106A and 106B case 3101	24,000	SF	_____		
6.	Install Concrete Apron per drawing 114 case 3101	750	SF	_____		
7.	Install Surface Mounted Truncated Domes on (e) concrete surface per drawing 106D case 3101	120	SF	_____		
8.	Install Decomposed Granite Hardscape per 308-9	2	TN	_____		
9.	Adjust Utility Valve Cover to grade or Utility Box to grade per 301.6	6	EA	_____		
10.	Relocate Utility Box per 307-2.4	12	EA	_____		
11.	Relocate Pedestrian Push Button Post per 307-2.3	2	EA	_____		
12.	Install New Pedestrian Push Button Post Per 307-2.3	6	EA	_____		

Item No.	Description	Estimated Quantity	Unit of Measure	Item UNIT Price (in Words)	Item UNIT Price (in Figures)	TOTAL PRICE
13.	Relocate Traffic Signal 1B Pole per 307-2.3	1	EA	_____		
14.	Install 2-inch Conduit per 307-2.5	300	EA	_____		
15.	Install Electrical Wiring per 307-2.6	5,500	LF	_____		
16.	Relocate Roadside Sign per 315-1	8	LF	_____		

**TOTAL BID:** \_\_\_\_\_  
(In Words)

**TOTAL BID:** \_\_\_\_\_  
(In Figures)

**UNITS OF MEASURE:**

<b>Abbreviation</b>	<b>Word or Words</b>
<b>LF</b>	<b>Linear Feet</b>
<b>SF</b>	<b>Square Feet</b>
<b>SY</b>	<b>Square Yards</b>
<b>CY</b>	<b>Cubic Yards</b>
<b>TN</b>	<b>Tons (2,000 lbs./907.2 kgs.)</b>
<b>LS</b>	<b>Lump Sum</b>
<b>EA</b>	<b>Each</b>
<b>MO</b>	<b>Months</b>

**NOTE:** The estimate of construction quantities set forth herein is approximate only, being given as a basis for the comparison of bids. The City does not expressly nor by implication agree that the actual amount of work will correspond therewith, and reserves the right to change the amount of any class or portion of the work or to omit portions of the work as may be deemed necessary or expedient by the Engineer in accordance with section 3-2.1.1 of the Special Provisions. All bids will be compared on the basis of the Engineer's Estimate of the quantities of the work to be done. The undersigned declares, by signing this proposal, that the bidder has carefully checked all of the above figures and understands that the City shall not be responsible for any errors or omissions on the part of the undersigned in making up this bid.

## LIST OF SUBCONTRACTORS

Bidder shall complete ALL the required information and, if available, the optional information for each subcontractor, required to be listed by the provisions in Section 2-3 "Subcontracts" of the Special Provisions and the Standard Specifications, to whom the bidder proposes to subcontract portions of the work. If requested by the Engineer, all other information must be provided within 24 hours of bid opening pursuant to PCC Section 4104.

<b>Subcontractor's Name:</b> <i>(REQUIRED)</i>			
<b>Address:</b>  <i>(REQUIRED)</i>			
<b>Phone #:</b>			
<b>Fax #:</b>			
<b>E-Mail:</b>			
<b>Name of Project Mgr.:</b>			
<b>License and Classification:</b>			
<b>DOT Certified DBE:</b>	<input type="checkbox"/> Yes <input type="checkbox"/> NO	<input type="checkbox"/> Yes <input type="checkbox"/> NO	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> NO
<b>Value of Work Subcontracted:</b>	\$ _____	\$ _____	\$ _____
<b>Description of Portion of Work Subcontracted:</b>  <i>(REQUIRED)</i>	_____ _____ _____	_____ _____ _____	_____ _____ _____

**\*NOTE:** Use additional photocopies as required.

## CITY OF SAN LEANDRO LOCAL BUSINESS INCLUSION ORDINANCE

### LOCAL BUSINESS PREFERENCE (PRIME CONTRACTOR)

Bidders who are defined as a San Leandro Business will be given special consideration at time of bid as defined in Section 2-1 of these specifications.

#### Check One

- ( ) **By signing this proposal, bidder as prime contractor, certifies that they qualify as a San Leandro Business as defined in Section 1-6-225 of Article 2 of Chapter 1-6 of the San Leandro Municipal Code meeting all the criteria listed below. If requested by City, bidder will provide satisfactory evidence of meeting all criteria within three (3) business days from the date of the request.**

#### San Leandro Business Criteria

All information must be valid at least six (6) months before bids opening by the City.

- (i) A written agreement for City occupancy or proof of ownership of a San Leandro office;
- (ii) Proof that business is transacted or revenue generated in an office located in San Leandro;
- (iii) A conspicuously displayed business sign at the San Leandro business premises except where the business operates out of a residence;
- (iv) Proof that the office is appropriately equipped for the type of business for which certification as a San Leandro business is sought. Where equipment, such as computer and reproduction and communications machines are typically and routinely used in a non-San Leandro location, comparable equipment shall be installed and routinely used at the San Leandro office;
- (v) A valid City of San Leandro business license.

- or -

- ( ) **Bidder is not a San Leandro Business as defined in Section 1-6-225 of Article 2 of Chapter 1-6 of the San Leandro Municipal Code.**

**CITY OF SAN LEANDRO LOCAL BUSINESS INCLUSION ORDINANCE**  
**GOOD FAITH EFFORTS LOCAL BUSINESS PARTICIPATION GOAL**  
**OUTREACH CERTIFICATION**

Part I

Check the box which applies:

- I will have subcontractors and/or suppliers
- I will not have subcontractors or suppliers

Part II

If you will have subcontractors or suppliers, you must engage in good faith efforts to hire San Leandro businesses, non-profit organizations or residents to perform the contract so that the goal of at least 25% of the total contract dollar amount is spent on local businesses. Although the 25% local business participation goal is aspirational and non-binding, you must perform, and certify that you performed at least five of the following eight activities prior to submittal of your bid. Submittal of this form, and any accompanying documentation required is a material aspect of this invitation for bids, such that your bid will be considered non-responsive for failing to meet these requirements, and/or failure to execute this certification form.

- (1) Attend pre-solicitation or pre-bid meetings scheduled by the City to inform all contractors, subcontractors, suppliers, and San Leandro residents of the project;
- (2) Convene a meeting in San Leandro for San Leandro businesses, non-profit organizations, and suppliers to identify specific items of work that could be performed on the project;
- (3) List all contact information for any San Leandro business that will participate in the project as a subcontractor, sub-consultant, or supplier if a contract is awarded to you;
- (4) Advertise in newspapers, websites, trade association publications, or other media soliciting for subcontractors, suppliers or employment opportunities on the project not less than twenty calendar days before the date bids are due;
- (5) Document personal contacts with San Leandro businesses or nonprofit organizations informing them of the opportunity to subcontract or supply to the project;
- (6) Submit documentation of good faith negotiations with San Leandro businesses and nonprofit organizations for subcontracting or supplying opportunities on the project;
- (7) Make the project plans and specifications available for review upon request to interested San Leandro businesses or suppliers;
- (8) Document requests for assistance from San Leandro community organizations, contractors or professional groups, local, state or federal business assistance offices or other organizations that provide assistance in the recruitment of San Leandro businesses. Technical assistance is available and can be accessed by contacting Bernard Ashcraft of the Bay Area Business Roundtable at (510) 568-6302 or [rtecjobs@aol.com](mailto:rtecjobs@aol.com).

**Part III**

List below which five of the eight activities you performed. Provide all supporting statements or documentation that show or prove achievement of the activities listed below. Attach additional sheets if necessary:

Did you attend pre-bid meeting?  Yes  No

---

---

---

---

---

List below the Subcontractors, businesses, or suppliers who responded to your advertisements. (Please attach any additional sheets if necessary)

Name	Phone Number

List below the requests made for assistance in the recruitment of San Leandro businesses. (Please attach any additional sheets if necessary)

Name	Phone Number

**Part VI**

**Certification**

I, \_\_\_\_\_ certify that I am the bidder's Chief Executive Officer or authorized representative and that I have made a diligent effort to ascertain the facts with regard to the representations made herein. In making this certification I am aware of Section 12650 et seq. of the California Government Code providing for the imposition of treble damages for making false claims.

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

\_\_\_\_\_  
Date

**ADDENDA ACKNOWLEDGMENT AND INFORMATION**

The undersigned acknowledges receipt of Addendum No. \_\_\_\_\_ through \_\_\_\_\_ inclusively. A signed copy of same is attached hereto and made part of this proposal.

**PRINCIPAL PERSONS WITH INTEREST IN PROPOSAL**

The names of all persons interested in the foregoing proposal as principals are as follows:

**IMPORTANT NOTICE:** If bidder or other interested person is a corporation, state legal name of corporation, also names of the president, secretary, treasurer, and manager thereof; if a co-partnership, state true name of firm and names of all individual co-partners composing firm; if bidder or other interested person is an individual, state first and last names in full.

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

**EXPERIENCE AND FINANCIAL RESPONSIBILITY**

The bidder has been engaged in the contracting business under State License No. \_\_\_\_\_ for a period of \_\_\_\_\_ years.

The bidder's three most recently completed contracts are:

- Title of Project \_\_\_\_\_  
 Owner \_\_\_\_\_  
 Address \_\_\_\_\_  
 Telephone No. \_\_\_\_\_  
 Engineer in Charge \_\_\_\_\_  
 Date Accepted \_\_\_\_\_

2. Title of Project \_\_\_\_\_  
Owner \_\_\_\_\_  
Address \_\_\_\_\_  
Telephone No. \_\_\_\_\_  
Engineer in Charge \_\_\_\_\_  
Date Accepted \_\_\_\_\_

3. Title of Project \_\_\_\_\_  
Owner \_\_\_\_\_  
Address \_\_\_\_\_  
Telephone No. \_\_\_\_\_  
Engineer in Charge \_\_\_\_\_  
Date Accepted \_\_\_\_\_

Reference is hereby made to the following bank or banks as to the financial responsibility of the bidder:

**Name of Bank:**

**Address:**

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

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

Reference is hereby made to the following surety companies as to the financial responsibility and general reliability of the bidder:

Company: \_\_\_\_\_

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

Company: \_\_\_\_\_

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

**ELIGIBILITY TO CONTRACT STATEMENT**

The bidder hereby declares under penalty of perjury under the laws of the State of California that the bidder has\_\_\_\_, has not \_\_\_\_ been convicted by a court of competent jurisdiction within the preceding three (3) years of fraud, bribery, collusion, conspiracy, or any other act in violation of any state or federal antitrust law in connection with the bidding upon, award of, or performance of, any public works contract with any public entity, as defined in Public Contract Code Section 1100. The term “bidder” is understood to include any partner, member, officer, director, responsible managing officer, or responsible managing employee of the prime contractor or any subcontractor.

**NOTE:** The bidder must place a check mark after “has” or “has not” in one of the blank spaces provided. The above statement is part of the proposal. Signing this proposal on the signature portion thereof shall also constitute signature of this statement. Bidders are cautioned that making a false certification may subject the certified to criminal prosecution.

**BIDDER QUESTIONNAIRE**

The bidder shall complete, under penalty of perjury, the following questionnaire:

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

**YES** \_\_\_\_\_

**NO** \_\_\_\_\_

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

---

---

**NATIONAL LABOR RELATIONS BOARD STATEMENT**

The Contractor hereby states under penalty of perjury that no more than one final unappealable finding of contempt of court by a federal court has been issued against the Contractor within the immediately preceding two year period because of the Contractor’s failure to comply with an order of a federal court which orders the Contractor to comply with an order of the National Labor Relations Board.



## DEBARMENT AND SUSPENSION CERTIFICATION

The bidder, under penalty of perjury, certifies that, except as noted below, bidder or any person associated therewith in the capacity of owner, partner, director, officer, manager (please check if applicable):

- Is not currently under suspension, debarment, voluntary exclusion, or determination of ineligibility by any local, state, or federal agency;
- Has not been suspended, debarred, voluntarily excluded or determined ineligible by any local, state, or federal agency within the past 3 years;
- Does not have a proposed debarment pending; and
- Has not been indicted, convicted, or had a civil judgment rendered against bidder by a court of competent jurisdiction in any matter involving fraud or official misconduct within the past 3 years.

If there are any exceptions to this certification, insert the exceptions in the following space:

Exceptions will not necessarily result in denial of award, but will be considered in determining bidder responsibility. For any exception noted above, indicate below to whom it applies, initiating agency, and dates of action:

**NOTE:** Providing false information may result in criminal prosecution. The above certification is part of the proposal. Signing this proposal on the signature portion thereof shall also constitute signature of this certification.

**Iran Contracting Act of 2010**

**Public Contract Code Chapter 2.7**

In the event that my bid or proposal is one million dollars (\$1,000,000.00) or more, by my signature below I certify that this company, any parent entities, subsidiaries, successors or subunits of this company and I, personally, are not identified on a list created pursuant to subdivision (b) of Section 2203 of the California Public Contract Code as a person engaging in investment activities in Iran as described in subdivision (a) of Section 2202.5, or as a person described in subdivision (b) of Section 2202.5 of the California Public Contract Code, as applicable.

PROPOSAL FORMS

By my signature on this proposal I certify, under penalty of perjury under the laws of the State of California, that the foregoing questionnaire is true and correct. By my signature on this proposal, I further certify, under penalty of the perjury under the laws of the State of California, that the Non-Collusion Affidavit, and the Debarment and Suspension Certification are true and correct.

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

\_\_\_\_\_  
(Typed or printed name)

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

Business Address (Street Address, City, State & Zip Code):

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

Business Phone: (        ) \_\_\_\_\_ Fax No.: (        ) \_\_\_\_\_

## CITY OF SAN LEANDRO BUSINESS LICENSE

In accordance with Title 2 Chapter 2 of the San Leandro Municipal Code, all contractors, including subcontractors, shall possess a current business license to perform work in San Leandro. As part of the proposal submittal, all bidders shall complete the following:

### General Contractor (Bidder)

If the bidder holds a current City of San Leandro business license:

The bidder, under penalty of perjury, certifies that the bidder is in possession of a current City of San Leandro Business License.

Business Name (as shown in Business License): \_\_\_\_\_

Business License Number: \_\_\_\_\_

**Or**

The bidder shall submit a copy of the following attached Business License Application. If the bid is accepted, the bidder agrees to submit the original Business License Application to the Finance Department and pay all appropriate fees for the acquisition of a business license. Any questions regarding the business license application can be directed to the Finance Department at 510-577-3392 or 510-577-3468. Bidder will then submit a copy of the Business License with the executed contract documents. Failure of the successful bidder to acquire a City of San Leandro Business License within 12 working days of receiving a Notice of Award shall constitute a failure to execute the contract and the City may award the contract to a subsequent bidder in accordance with Section 2-1 of these specifications.

### Subcontractor Business License

Prior to processing any progress payments, the bidder shall submit a copy of a current City of San Leandro Business License for each listed subcontractor.



# CITY OF SAN LEANDRO

Finance Department  
835 East 14th Street, San Leandro, California 94577  
(510) 577-3468 or 577-3392

**Business License Fee**

See Fee Schedule

## BUSINESS LICENSE APPLICATION

For Businesses Located Outside of San Leandro

PLEASE TYPE OR PRINT WITH PEN	OFFICIAL USE ONLY								
Business Name _____	Business License No. _____								
Corporate Name <small>(if applicable)</small> _____	APN# _____								
Business Location _____ <small>(Cannot be P.O. Box per State of California Business &amp; Professions Code-Section 17538.5)</small>	Bus. Start Date _____								
	<input type="checkbox"/> New Application <input type="checkbox"/> Change								
	State Sales Tax No. _____								
Mailing Address _____	Federal ID No. _____								
	State ID No. _____								
	State Contractor Lic. No. _____								
Phone No. _____      Alt. No. _____	Expire Date _____								
Description of Business _____									
Ownership <input type="checkbox"/> Corporation <input type="checkbox"/> Corp-Ltd Liability <input type="checkbox"/> Partnership <input type="checkbox"/> Sole Proprietor <input type="checkbox"/> Trust									
<b>Enter below names of Owners, Partners, or Corporate Officers (attach additional sheet, if necessary)</b>									
1st Owner Name _____      Title _____      Soc. Sec. No. _____									
Home Address _____ <small>(Cannot be P.O. Box)</small>	Home Phone No. _____ Cell / Pager No. _____								
2nd Owner Name _____      Title _____      Soc. Sec. No. _____									
Home Address _____ <small>(Cannot be P.O. Box)</small>	Home Phone No. _____ Cell / Pager No. _____								
- Is this business being conducted in your residence? <input type="checkbox"/> Yes <input type="checkbox"/> No									
- If business is being purchased, please complete the following: Seller's Business Name: _____      Seller's Bus. Lic. #: _____									
<b>NUMBER OF EMPLOYEES:</b> Shall mean and include the total number of full time and part time employees engaged or to be engaged within this City in the applicant's business during the license period, whether as owner, partner, spouse or employee, and any others who may work without compensation.									
<b>*** PARTIAL YEAR:</b> The business license fee for any business commencing <u>after June 30th</u> of any year shall be reduced by one-half (1/2).									
<p style="text-align: center;"><b>CERTIFICATION AND ACKNOWLEDGEMENT</b></p> <p>I declare under penalty of perjury that the statements made in this application are true. I further agree that business shall be conducted in accordance with the San Leandro Municipal Code. I understand that the filing of this application and payment of fees does not entitle me to commence or carry on any business in the City of San Leandro until said Business License is approved and issued. Upon issuance of a Business License, it shall be my responsibility to renew the license annually by January 31st.</p> <p><b>SIGN HERE</b> ➔ _____ Signature of Owner or Representative</p> <p>Title _____      Date _____</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>Base Fee <small>(required for each license)</small></td> <td style="text-align: right;">\$</td> </tr> <tr> <td>Unit # _____ X \$ _____</td> <td style="text-align: right;">\$</td> </tr> <tr> <td><b>TOTAL AMOUNT DUE</b> <small>(Base Fee plus Unit Fee)</small></td> <td style="text-align: right;">\$</td> </tr> </table> <p>*** 1/2 Year fee for Businesses commencing after June 30th.</p> <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td><b>TOTAL AMOUNT PAID</b></td> <td style="text-align: right;">\$</td> </tr> </table> <p style="text-align: center;"><b>RETURN APPLICATION TO ABOVE ADDRESS AND MAKE CHECK PAYABLE TO CITY OF SAN LEANDRO.</b> <i>Thank you for doing business in the City of San Leandro.</i></p>	Base Fee <small>(required for each license)</small>	\$	Unit # _____ X \$ _____	\$	<b>TOTAL AMOUNT DUE</b> <small>(Base Fee plus Unit Fee)</small>	\$	<b>TOTAL AMOUNT PAID</b>	\$
Base Fee <small>(required for each license)</small>	\$								
Unit # _____ X \$ _____	\$								
<b>TOTAL AMOUNT DUE</b> <small>(Base Fee plus Unit Fee)</small>	\$								
<b>TOTAL AMOUNT PAID</b>	\$								

CITY OF SAN LEANDRO  
STATE OF CALIFORNIA

**BID BOND**

KNOW ALL MEN BY THESE PRESENTS, that we \_\_\_\_\_  
as Principal, and \_\_\_\_\_  
as Surety, are held and firmly bound unto the **CITY OF SAN LEANDRO**, hereinafter called "City", in  
penal sum of ten percent (10%) OF THE TOTAL AMOUNT OF THE BID OF THE PRINCIPAL  
submitted to the said City for the work described below for the payment of which sum in lawful money of  
the United States, well and truly to be made, we bind ourselves, our heirs, executors, administrators,  
successors and assigns, jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that whereas the Principal has submitted the  
accompanying Proposal dated \_\_\_\_\_, for **Curb Ramp Upgrades (2015-16) Project, Project  
No. 2016.0071**

NOW, THEREFORE, if the Principal shall not withdraw said proposal prior to the date and time for the  
opening of bids, and if the Principal is awarded the contract and shall within the period specified in the  
Proposal after receiving notice that the contract has been awarded and the prescribed forms are presented  
to Principal for signature, enter in a written contract with the City, in accordance with the Proposal as  
accepted, and give insurance and bond with good and sufficient surety or sureties, as may be required, for  
the faithful performance and proper fulfillment of such contract and for the payment for labor and  
materials used for the performance of the contract, or in the event of the withdrawal of said Proposal  
within the period specified or the failure to enter into such contract and give such City bonds, within the  
time specified, if the Principal shall pay the City the difference between the amount specified in said  
Proposal and the amount for which the City may procure the required work and/or supplies, if the latter  
amount be in excess of the former, together with all costs incurred by the City in again calling for bids,  
then the above obligation shall be void and of no effect, otherwise to remain in full force and virtue.

Surety, for value received, hereby stipulates and agrees that no change, extension of time, alteration or  
addition to the terms of the contract on the call for bids, or to the work to be performed there under, or the  
specifications accompanying the same, shall in any way affect its obligation under this bond, and it does  
hereby waive notice of any such change, extension of time, alteration, or addition to the terms of said  
contract or the call for bids, or to the work, or to the specifications.

In the event suit is brought up on this bond by the City and judgment is recovered, the Surety shall pay all  
costs incurred by the City in such suit, including a reasonable attorney's fee to be fixed by the court.

IN WITNESS WHEREOF, the above-bound parties have executed this instrument under their several seals this \_\_\_\_\_ day of \_\_\_\_\_, the name and corporate seals of each corporate party being hereto affixed and these presents duly signed by its undersigned representatives, pursuant to authority of its governing body.

(Corporate Seal)

**Principal** \_\_\_\_\_

By \_\_\_\_\_

Title \_\_\_\_\_

(Attach Notarial Acknowledgment)

(Corporate Seal)

**Surety** \_\_\_\_\_

Address \_\_\_\_\_

Phone No.: ( ) \_\_\_\_\_ Fax No.: ( ) \_\_\_\_\_

By \_\_\_\_\_

Attorneys-in-Fact

Title \_\_\_\_\_

(Attach Notarial Acknowledgment)

**NOTE TO SURETY COMPANY: There must be submitted a certified copy of unrevoked resolution of authority for the attorneys-in-fact.**

**END OF BID BOND**

PROPOSAL FORMS

**END OF  
PROPOSAL TO THE CITY OF SAN LEANDRO**

## PROJECT LOCATIONS

Ramp ID	Street Name	Cross Street	Quadrant		Priority
148-3	148th Ave.	Wyman	NW	*	2
148-4	148th Ave.	Wyman	NE	*	2
148-5	148th Ave.	Wyman	SW	*	2
Alv-1	Alvarado St.	Fremont	SE		2
Alv-2	Alvarado St.	Fremont	SE		2
Beg-1	Begier Ave.	Woodland	NW		1
Beg-2	Begier Ave.	Woodland	SW		1
Bev-1	Beverly Ave.	Durant	SE		1
Bev-2	Beverly Ave.	Durant	SW		1
Bev-3	Beverly Ave.	Broadmoor	NE		1
Bev-4	Beverly Ave.	Broadmoor	NW		1
Bev-5	Beverly Ave.	Broadmoor	SE		1
Bev-6	Beverly Ave.	Broadmoor	SW		1
Bev-7	Beverly Ave.	Dutton	NE		1
Bev-8	Beverly Ave.	Dutton	NW		1
Bro-1	Broadmoor Blvd.	Bancroft	NE		1
Bro-2	Broadmoor Blvd.	Bancroft	SE		1
Bur-1	Burkhart Ave.	Farnsworth	NE	*	2
Bur-2	Burkhart Ave.	Farnsworth	SE	*	2
Bur-4	Burkhart Ave.	Dewey	NW	*	2
Bur-5	Burkhart Ave.	Dewey	NE	*	2
Bur-6	Burkhart Ave.	Dewey	SE	*	2
Bur-7	Burkhart Ave.	Dewey	SW	*	2
Bur-8	Burkhart Ave.	Churchill	N	*	2
Bur-9	Burkhart Ave.	Churchill	SE	*	2
Cas-1	Castro St.	Hays	NE		1
Cas-3	Castro St.	Washington	NW		1
Cas-4	Castro St.	Washington	SW		1
Cas-21	Castro St.	Carpentier	NW		1
Cas-22	Castro St.	Carpentier	NE		1
Cas-24	Castro St.	Clarke	NW		1
Cas-25	Castro St.	Clarke	SW		1
Cas-26	Castro St.	Clarke	NE		1
Cas-27	Castro St.	Clarke	SE		1
Cas-28	Castro St.	Hays	NW		1
Che-1	Cherrywood Ave.	Lafayette	NE		1
Che-21	Cherrywood Ave.	Park	NE		1
Ch2-22	Cherrywood Ave.	Park	SE		1
Che-23	Cherrywood Ave.	Pershing	NW		1
Ch2-24	Cherrywood Ave.	Pershing	SW		1
Che-25	Cherrywood Ave.	Pershing	NE		1
Ch2-26	Cherrywood Ave.	Pershing	SE		1
Che-27	Cherrywood Ave.	Lafayette	NW		1

<b>Ramp ID</b>	<b>Street Name</b>	<b>Cross Street</b>	<b>Quadrant</b>		<b>Priority</b>
Che-29	Cherrywood Ave.	Lafayette	NE		1
Dol-1	Dolores Ave.	Santa Maria	NW		1
Dol-2	Dolores Ave.	Santa Maria	NE		1
Dol-3	Dolores Ave.	Santa Maria	SE		1
Dol-4	Dolores Ave.	Bancroft	NW		1
Dol-5	Dolores Ave.	Bancroft	SW		1
Edg-1	Edgehill Rd.	Scenicview	N		2
Edg-2	Edgehill Rd.	Scenicview	SE		2
Edg-3	Edgehill Rd.	Scenicview	SW		2
Est-1	Estabrook St.	Orchard	NE		2
Est-2	Estabrook St.	Orchard	SE		2
Est-3	Estabrook St.	Alvarado	NW		2
Est-4	Estabrook St.	Alvarado	SW		2
Eve-1	Evergreen Ave.	Sybil	SE		2
Eve-2	Evergreen Ave.	Sybil	SW		2
Eve-3	Evergreen Ave.	Kenyon	E		2
Eve-4	Evergreen Ave.	Kenyon	SW		2
Eve-5	Evergreen Ave.	Kenyon	NW		2
Eve-6	Evergreen Ave.	Fulton	NW	*	2
Eve-7	Evergreen Ave.	Fulton	NE	*	2
Gle-1	Glen Dr.	Chetland	NW		1
Gle-2	Glen Dr.	Chetland	NE		1
Gle-3	Glen Dr.	Chetland	SE		1
Gle-4	Glen Dr.	Superior	NW		1
Gle-5	Glen Dr.	Superior	SW		1
Gle-6	Glen Dr.	Superior	NE		1
Gra-1	Grand Ave.	Sybil	NE		1
Gra-2	Grand Ave.	Sybil	SE		1
Gra-3	Grand Ave.	Sybil	NE		1
Gra-4	Grand Ave.	Benedict	NW		1
Gra-5	Grand Ave.	Benedict	SW		1
Joa-1	Joaquin Ave.	E.14th	NE		1
Joa-2	Joaquin Ave.	Santa Rosa	NW		1
Joa-3	Joaquin Ave.	Santa Rosa	SW		1
Laf-1	Lafayette Ave.	Cherrywood	SE		1
Laf-2	Lafayette Ave.	Cherrywood	SW		1
Laf-4	Lafayette Ave.	Leo	NW		1
Laf-5	Lafayette Ave.	Leo	SW		1
Laf-6	Lafayette Ave.	Best	NE		1
Laf-7	Lafayette Ave.	Best	NW		1
Laf-8	Lafayette Ave.	Broadmoor	SE		1
Laf-9	Lafayette Ave.	Broadmoor	SW		1
Laf-10	Lafayette Ave.	Garcia	NE		1
Laf-11	Lafayette Ave.	Garcia	NW		1
Laf-12	Lafayette Ave.	Garcia	SE		1
Laf-13	Lafayette Ave.	Garcia	SW		1
Laf-14	Lafayette Ave.	Belleview	NE		1
Laf-15	Lafayette Ave.	Belleview	NW		1

Ramp ID	Street Name	Cross Street	Quadrant		Priority
Laf-16	Lafayette Ave.	Belleview	SE		1
Laf-17	Lafayette Ave.	Belleview	SW		1
Law-1	Lawndale Ave.	Elvina	NE	*	2
Law-2	Lawndale Ave.	Elvina	SE	*	2
Law-3	Lawndale Ave.	Laverne	NW	*	2
Law-4	Lawndale Ave.	Laverne	SW	*	2
Law-5	Lawndale Ave.	Laverne	SE	*	2
Leo-1	Leo Ave.	Park	NE		1
Leo-2	Leo Ave.	Park	SE		1
Leo-3	Leo Ave.	Pershing	NW		1
Leo-4	Leo Ave.	Pershing	SW		1
Leo-5	Leo Ave.	Pershing	NE		1
Leo-6	Leo Ave.	Pershing	SE		1
Lex-1	Lexington Ave.	Dorchester	NE		1
Lex-2	Lexington Ave.	Dorchester	SW		1
Lex-3	Lexington Ave.	Dorchester	SE		1
Lex-4	Lexington Ave.	Pershing	NE		1
Lex-5	Lexington Ave.	Pershing	NW		1
Lex-6	Lexington Ave.	Pershing	SW		1
Lex-7	Lexington Ave.	Pershing	SE		1
Lex-8	Lexington Ave.	Pontiac	NE		1
Lex-9	Lexington Ave.	Pontiac	NW		1
Lex-10	Lexington Ave.	Pontiac	SW		1
Mar-1	Marineview Dr.	Edgehill	NW		2
Mar-2	Marineview Dr.	Edgehill	NE		2
Mar-3	Marineview Dr.	Edgehill	SE		2
Mar-4	Marineview Dr.	Edgehill	SW		2
Mar-5	Marineview Dr.	Skyview	NW		2
Mar-6	Marineview Dr.	Skyview	NE		2
Mar-7	Marineview Dr.	Skyview	S		2
Por-1	Portola Dr.	Monterey	NW		2
Por-2	Portola Dr.	Monterey	NE		2
Por-3	Portola Dr.	Monterey	SE		2
Por-4	Portola Dr.	Alvarado	NW		2
Por-5	Portola Dr.	Alvarado	NE		2
Por-6	Portola Dr.	Alvarado	SW		2
Ros-1	Rose Dr.	135th	NW	*	2
Ros-2	Rose Dr.	135th	NE	*	2
Ros-3	Rose Dr.	Coburn	SW	*	2
Ros-4	Rose Dr.	Coburn	SE	*	2
Ros-5	Rose Dr.	Coburn	NE	*	2
Ros-6	Rose Dr.	SLB	NW	*	2
San-1	San Leandro Blvd.	Creekside	NW		2
San-3	San Leandro Blvd.	Creekside	SE		2
Sto-1	Stokes Ave.	Park	NE		1
Sto-2	Stokes Ave.	Park	SE		1
Sto-3	Stokes Ave.	Pleasant	NW		1
Sto-5	Stokes Ave.	Pleasant	NE		1

<b>Ramp ID</b>	<b>Street Name</b>	<b>Cross Street</b>	<b>Quadrant</b>		<b>Priority</b>
Sto-6	Stokes Ave.	Pershing	NW		1
Sto-7	Stokes Ave.	Pershing	SW		1
Sto-8	Stokes Ave.	Pershing	NE		1
Sto-9	Stokes Ave.	Pershing	SE		1
Str-1	Stratford Ave.	Durant	SW		1
Str-2	Stratford Ave.	Durant	SE		1
Str-3	Stratford Ave.	Broadmoor	NW		1
Str-4	Stratford Ave.	Broadmoor	SW		1
Wil-1	Williams St.	Carpentier	NW		1
Wil-2	Williams St.	Carpentier	SW		1
Wil-3	Williams St.	Carpentier	NE		1
Wil-4	Williams St.	Carpentier	SE		1
Wil-5	Williams St.	Clarke	NW		1
Wil-6	Williams St.	Clarke	SW		1
Wil-7	Williams St.	Clarke	NE		1
Wil-8	Williams St.	Clarke	SE		1
Wil-9	Williams St.	Hays	NW		1
Wil-10	Williams St.	Hays	SW		1
Wil-11	Williams St.	Hays	NE		1
Wil-12	Williams St.	Hays	SE		1
Wil-13	Williams St.	Washington	NW		1
Wil-14	Williams St.	Washington	SW		1
Vir-2	Virginia St.	Frederick	SE		2
Vir-3	Virginia St.	Frederick	SW		2
Vir-4	Virginia St.	Midway	NW		2
Vir-5	Virginia St.	Midway	NE		2
Vir-6	Virginia St.	Midway	S		2
Vir-10	Virginia St.	Douglas	NE		2

\* Locations in Oro Loma Sanitary District (see section 7-8.1.1)

Work in locations 1 shall be completed before commencing Work in locations 2.

CITY OF SAN LEANDRO  
STATE OF CALIFORNIA

ENGINEERING AND TRANSPORTATION DEPARTMENT

**NOTICE TO BIDDERS**

FOR

**CURB RAMP UPGRADES (2015-16)**

**PROJECT NO. 2016.0071**

**BID NO. 15-16.014**

1. **PRE-BID CONFERENCE:** A mandatory pre-bid conference will be held on **Tuesday, April 5, 2016 at 10:30 a.m.** at **Sister Cities Gallery, City Hall, 835 East 14<sup>th</sup> Street San Leandro, CA 94577.** All bidders must attend the pre-bid conference and sign the attendance sheet. A firm that didn't attend the pre-bid conference isn't qualified to bid on the project.
2. Questions regarding the plans and specifications may be submitted in writing to the project engineer until 5:00 p.m., five (5) days before, excluding Saturdays, Sundays and Holidays, bids are due. The City will not respond to oral questions outside of the pre-bid conference. The response, if any, will be by written addendum only. Oral responses do not constitute a revision to these plans or specifications
3. **BID OPENING:** The bidder shall complete the "Proposal to the City of San Leandro" form contained in the Contract Book. The proposal shall be submitted in its entirety. Incomplete proposals will be considered non-responsive. Sealed bids containing the completed Proposal Section subject to the conditions named herein and in the specifications for **Curb Ramp Upgrades (2015-16) Project, Project No.: 2016.0071** addressed to the **City of San Leandro** will be received at **City Hall, 835 East 14<sup>th</sup> Street, 2<sup>nd</sup> Floor San Leandro** at the office of the **City Clerk** up to **3:00 p.m.** on **Thursday, April 21, 2016**, at which time they will be publicly opened and read.
4. **BID RESULTS:** A summary of the bids received will be made available, via the Internet, at: **<http://www.sanleandro.org/depts/finance/purchasing/bids/default.asp>**.
5. **WORK DESCRIPTION:** The work to be done consists of: **concrete sidewalk curb & gutter demolition, concrete sidewalk and curb ramp construction, asphalt concrete tie-ins, traffic signal, push button and pull box relocations;** and doing all appurtenant work in place and ready for use, all as shown on the plans and described in the specifications with the title indicated in Paragraph 1 above, and on file in the office of the **City Engineer**. Reference to said plans and specifications is hereby made for further particulars.
6. **CONTRACTOR'S LICENSE:** A Class "A" Contractor's License is required for this work. No bid will be accepted from a contractor who has not been licensed in accordance with Chapter 9 Division 3 of the Business and Professional Code.
7. **CALIFORNIA DEPARTMENT OF INDUSTRIAL RELATIONS (DIR) REQUIREMENTS:** This Contract will be subject to compliance monitoring and enforcement by the California Department of Industrial Relations, pursuant to Labor Code section 1771.4. A contractor may not bid, nor be listed

as a subcontractor unless currently registered and qualified to perform public work pursuant to Labor Code Section 1725.5.

8. SAN LEANDRO BUSINESS PREFERENCE AND PARTICIPATION GOALS: The bid preparation and work performed under this contract is subject to Section 1-6-225 of Article 2 of Chapter 1-6 of the San Leandro Municipal Code regarding Local Business Preference during bidding and Local Business Participation.

**Bidders are strongly encouraged to review the proposal forms related to the City of San Leandro Local Business Inclusion Ordinance requirements early in the project advertisement period. A listing of San Leandro businesses can be found online at:**

<http://www.sanleandro.org/depts/finance/licenses/data.asp>

9. BID DEPOSIT: A Bid Deposit equal to at least 10% of the total amount of the bid shall be placed in the sealed proposal. The Bid Deposit shall be in one of the following forms: cash, cashier's check or certified check payable to the City, or bidder's bond in favor of the City executed by an authorized surety company.
8. PAYMENT AND PERFORMANCE BONDS: Payment and performance guarantee bonds as set forth in Section 2-4 of the Special Provisions will be required from the successful bidder.
9. CITY'S RIGHT TO REJECT BIDS: The right is reserved, as the interest of the City may require, to reject any or all bids, or to waive any informality or minor irregularity in the bids.
10. GENERAL PREVAILING WAGE RATES: The City Council has ascertained the general prevailing rate of wages applicable to the work to be done. A tabulation of the various classifications of work persons to be employed and the prevailing rate of wages applicable thereto is on file in the **City Clerk's** office. Bidder's attention is directed to Section 7-2.2.2 of the Special Provisions.
11. OBTAINING THE PROJECT PLANS AND CONTRACT BOOK: The Project Plans and Contract Book may be obtained free of charge from the City's website at: <http://www.sanleandro.org/depts/finance/purchasing/bids>. Bidders are highly encouraged to contact the City of San Leandro Engineering and Transportation Department at 510-577-3428 to be placed on the project planholder's list to receive courtesy notifications of addenda and other project information. Project addenda, if any, will be posted on the website. A bidder who fails to address all project addenda with their proposal may be deemed non-responsive.

Bidders may also purchase Project Plans and Contract Book at the **Engineering and Transportation Department**, City Hall, 835 East 14<sup>th</sup> Street, 1<sup>st</sup> Floor, San Leandro, **(510) 577-3428**, upon payment of a non-refundable fee of **\$25.00 (payable by exact cash or check only)** for each set.

12. OBTAINING THE APWA STANDARD SPECIFICATIONS (GREEN BOOK): The APWA Standard Specifications (Greenbook) may be purchased by contacting BNI Building News, 1612 South Clementine Street, Anaheim, CA 92802, (714) 517-0970 or (888) 264-2665.
13. WITHDRAWAL OF PROPOSALS: Any bid may be withdrawn at any time prior to the time fixed in the public notice for the opening of bids only by written request for the withdrawal of the bid filed with the **City Clerk**. The request shall be executed by the bidder or its duly authorized representative. The withdrawal of a bid does not prejudice the right of the bidder to file a new bid. Whether or not bids are opened exactly at the time fixed in the public notice for opening bids, a bid will not be

received after that time nor may any bid be withdrawn after the time fixed in the public notice for opening of bids.

14. RELIEF OF BIDDERS: As stated in Public Contract Code Sections 5100 to 5108, inclusive concerning relief of bidders and in particular to the requirement therein, that if the bidder claims a mistake was made in the bid presented, the bidder shall give the **City Clerk**, written notice within five (5) days after the opening of the bids of the alleged mistake, specifying in the notice in detail how the mistake occurred.
15. DISQUALIFICATION OF BIDDERS: More than one proposal from an individual, firm, partnership, corporation, or combination thereof under the same or different names will not be considered. Reasonable grounds for believing that any individual, firm, partnership, corporation, or combination thereof is interested in more than one proposal for the work contemplated may cause the rejection of all proposals in which such individual, firm, partnership, corporation, or combination thereof is interested. If there is reason for believing that collusion exists among the bidders, any or all proposals may be rejected. Proposals in which the prices obviously are unbalanced may be rejected.
16. PREVIOUS DISQUALIFICATION, REMOVAL, OR OTHER PREVENTION OF BIDDING: A bid may be rejected on the basis of a bidder, any officer of such bidder, or any employee of such bidder who has a proprietary interest in such bidder, having been disqualified, removed, or otherwise prevented from bidding on, or completing a federal, state, or local project because of a violation of any law or any safety regulation.
17. RESPONSIBILITY FOR VERIFYING CONTRACT ADDENDA: All bidders shall verify if any addenda for this project have been issued by the City of San Leandro. It is the bidders' responsibility to ensure that all requirements of contract addenda are included in the bidder's proposal. All bidders shall include a signed copy of all contract addenda with the proposal. Failure to comply with this requirement shall cause the proposal to be considered as non-responsive and shall be grounds for rejection of the bid.
18. SITE INVESTIGATION: The bidder shall examine carefully the site of the work to verify all existing conditions. The submission of a bid shall be conclusive evidence that the bidder has investigated and is satisfied as to the conditions to be encountered, as to the character, quality, and scope of work to be performed, as to the quantities of materials to be furnished, and as to the requirements of the proposal, plans, specifications, and the contract. The bidder shall not take advantage of any apparent error or omission in the plans or specifications. In the event the bidder discovers any apparent error, discrepancy, or omission as a result of its site investigation, bidder shall immediately notify the City.
19. VALUE OF WORK: The Engineer has estimated that the value of work is between \$250,000 and \$500,000.
20. PUBLIC CONTRACT CODE SECTION 22300: Pursuant to Public Contract Code Section 22300, for monies earned by the Contractor and withheld by the City to ensure the performance of the Contract, the Contractor, may, at its option, choose to substitute securities meeting the requirements of said Public Contract Code Section 22300.
21. CALIFORNIA LABOR CODE SECTION 6707: Pursuant to the provisions of California Labor Code Section 6707, each bid submitted in response to this Notice to Bidders 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. By listing this

sum, the bidder warrants that its action does not convey tort liability to the City or City employees, engineers, agents, or subconsultants.

22. **PUBLIC CONTRACT CODE SECTION 2.7:** For proposals in the amount of one million dollars (\$1,000,000.00) or more, bidders are required to certify that the bidder's company, any parent entities, subsidiaries, successors or subunits of the bidder's company and the signator of the proposal, personally, are not identified on a list created pursuant to subdivision (b) of Section 2203 of the California Public Contract Code as a person engaging in investment activities in Iran as described in subdivision (a) of Section 2202.5, or as a person described in subdivision (b) of Section 2202.5 of the California Public Contract Code, as applicable.
23. **BID PROTEST PROCEDURES:** Any protest of the proposed award of bid to the bidder deemed the lowest responsible bidder must be submitted in writing to the City no later than 5:00 p.m. on the third (3<sup>rd</sup>) business day following the date of the bid opening.

The initial protest must contain a complete statement of the basis for the protest.

The protest must state the facts and refer to the specific portion of the document or the specific statute that forms the basis for the protest. The protest must include the name, address, and telephone number of the person representing the protesting party.

The party filing the protest must concurrently transmit a copy of the initial protest to the bidder deemed the lowest responsible bidder.

The party filing the protest must have actually submitted a bid on the project. A subcontractor of a party filing a bid on this project may not submit a Bid Protest. A party may not rely on the Bid Protest submitted by another bidder, but must timely pursue its own protest.

The procedure and time limits set forth in this Section are mandatory and are the bidder's sole and exclusive remedy in the event of a Bid Protest. The bidder's failure to fully comply with these procedures shall constitute a waiver of any right to further pursue the Bid Protest, including filing of a challenge of the award pursuant to the California Public Contracts Code, filing of a claim pursuant to the California Government Code, or filing of any other legal proceedings.

The City shall review all timely protests prior to formal award of the bid. The City shall not be required to hold an administrative hearing to consider a timely protest, but may do so at the option of the Engineer, or if otherwise legally required. At the time of the City Council's consideration of the award of the bid, the City Council shall also consider the merits of any timely protests and the Engineer's recommendation thereon. The City Council may either accept the protest and award the bid to the next lowest responsible bidder, or reject the protest and award to the lowest responsible bidder. Nothing in this section shall be construed as a waiver of the City Council's right to reject all bids.

The City reserves the right to waive any bid irregularities not affecting the amount of the bid, except where such waiver would give the low bidder an advantage or benefit not allowed other bidders.

Dated: March 21, 2016 Tamika Greenwood  
**City Clerk**

CITY OF SAN LEANDRO  
STATE OF CALIFORNIA

**AGREEMENT**

THIS AGREEMENT is made at San Leandro, California, as of \_\_\_\_\_, by and between \_\_\_\_\_, hereinafter called Contractor, and the **CITY OF SAN LEANDRO**, a municipal corporation, hereinafter called City, who agree as follows:

Recitals

The City has awarded a contract to the Contractor for performing the work hereinafter mentioned in accordance with the sealed proposal of said Contractor and of proceedings had and taken by the City Council of the City leading up thereto:

1. **WORK TO BE DONE:** The work to be done consists of **concrete sidewalk curb & gutter demolition, concrete sidewalk and curb ramp construction, asphalt concrete tie-ins, traffic signal, push button and pull box relocations;** and doing all appurtenant work in place and ready for use, all as shown in the Contract Book entitled **“Curb Ramp Upgrades (2015-16) Project”** now on file in the office of the **Engineer** of said City.

2. **TIME OF PERFORMANCE:** The work under this contract shall commence and be completed in accordance with the times therefore prescribed in the specifications for said work.

3. **PAYMENT:** The City will pay the Contractor for the performance of said work the prices as stated in the Contract Price Schedule, and at the times and in the manner prescribed in the **specifications**.

4. **COMPONENT PARTS:** This Agreement shall consist of the following documents, each of which is on file in the office of the **Engineer** of said City, and all of which are incorporated herein and made a part hereof by reference thereto:

- A. This Agreement and Contract Price Schedule
- B. Notice to Bidders
- C. Proposal Requirements
- D. Resolution Approving Plans and Specifications and Calling for Bids
- E. Accepted Proposal
- F. Special Provisions
- G. -Not Used
- H. Standard Specifications
- I. Faithful Performance Bond
- J. Payment Bond
- K. Maintenance Bond
- L. Project Addenda, if any

5. **WAGE SCALE:** Reference is hereby made to the General Wage Determination made by the Director of Industrial Relations and adopted by Resolution No. 77-236 of the City Council. Reference thereto is further made in the instructions and information to bidders. The provisions of the General Wage Determination made by the Director of Industrial Relations and Resolution No. 77-236 are hereby specified as the rate of prevailing wages to be paid workers on this project. For purposes of Labor Code section 1781, this project is a “public work” to which Labor Code section 1771 applies, and the Contractor and all listed or unlisted subcontractors must perform the work as a “public work.” The Contractor has the responsibility for determining what is required to comply with its obligations under

Labor Code section 1771. Any decision by the Contractor or any listed or unlisted subcontractor not to comply with Labor Code section 1771 is at the Contractor's or subcontractor's sole risk.

6. LABOR CODE COMPLIANCE: Contractor indemnifies and holds harmless the City, its officers, officials, and employees, from and against claims, liability, and damages arising from any alleged violation of the California Labor Code asserted against the City due to the alleged acts or omissions of the Contractor or any listed or unlisted subcontractor used on the project.

7. CLAIMS: The City has the full authority to compromise or settle any claim relating to this project. The City will timely notify the Contractor if the City receives any third-party claim relating to this project.

IN WITNESS WHEREOF, City has caused these presents to be executed by its officers, thereunto duly authorized and Contractor has subscribed same, all on the day and year first above written.

**CITY OF SAN LEANDRO**  
A Municipal Corporation

**(NAME OF CONTRACTOR)**  
Contractor

By: \_\_\_\_\_  
Chris Zapata, City Manager

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

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

\_\_\_\_\_  
(Typed or Printed Name)

Attest: \_\_\_\_\_  
Tamika Greenwood, City Clerk

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

**APPROVED AS TO FORM:**

\_\_\_\_\_  
Richard Pio Roda, City Attorney

\_\_\_\_\_  
David Baum, Finance Director

Account Nos. 144-38-369-5240  
143-38-376-5240  
144-38-376-5240

**ACKNOWLEDGMENT**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California  
County of Alameda)

On \_\_\_\_\_, before me, \_\_\_\_\_, who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

Signature \_\_\_\_\_ (Seal)

## CONTRACT PRICE SCHEDULE

Item No.	Description	Estimated Quantity (A)	Unit of Measure	Item UNIT Price (in Words)	Item UNIT Price (in Figures) (B)	TOTAL PRICE (in Figures) (AxB)
1.	Mobilization	1	LS	_____		
2.	Traffic Control per section 7-10.3.	1	LS	_____		
3.	Install Curb and Gutter per drawing 100 case 3101	3,500	LF	_____		
4.	Install Sidewalk per drawing 100 case 3101	3,100	SF	_____		
5.	Install Wheelchair Curb Cut Ramp per drawing 106A and 106B case 3101	24,000	SF	_____		
6.	Install Concrete Apron per drawing 114 case 3101	750	SF	_____		
7.	Install Surface Mounted Truncated Domes on (e) concrete surface per drawing 106D case 3101	120	SF	_____		
8.	Install Decomposed Granite Hardscape per 308-9	2	TN	_____		
9.	Adjust Utility Valve Cover to grade or Utility Box to grade per 301.6	6	EA	_____		
10.	Relocate Utility Box per 307-2.4	12	EA	_____		
11.	Relocate Pedestrian Push Button Post per 307-2.3	2	EA	_____		
12.	Install New Pedestrian Push Button Post Per 307-2.3	6	EA	_____		

Item No.	Description	Estimated Quantity	Unit of Measure	Item UNIT Price (in Words)	Item UNIT Price (in Figures)	TOTAL PRICE
13.	Relocate Traffic Signal 1B Pole per 307-2.3	1	EA	_____		
14.	Install 2-inch Conduit per 307-2.5	300	EA	_____		
15.	Install Electrical Wiring per 307-2.6	2,500	LF	_____		
16.	Relocate Roadside Sign per 315-1	8	LF	_____		

**TOTAL BID:** \_\_\_\_\_  
(In Words)

**TOTAL BID:** \_\_\_\_\_  
(In Figures)

**UNITS OF MEASURE:**

<b>Abbreviation</b>	<b>Word or Words</b>
<b>LF</b>	<b>Linear Feet</b>
<b>SF</b>	<b>Square Feet</b>
<b>SY</b>	<b>Square Yards</b>
<b>CY</b>	<b>Cubic Yards</b>
<b>TN</b>	<b>Tons (2,000 lbs./907.2 kgs.)</b>
<b>LS</b>	<b>Lump Sum</b>
<b>EA</b>	<b>Each</b>
<b>MO</b>	<b>Months</b>

**NOTE:** The estimate of construction quantities set forth herein is approximate only, being given as a basis for the comparison of bids. The City does not expressly nor by implication agree that the actual amount of work will correspond therewith, and reserves the right to change the amount of any class or portion of the work or to omit portions of the work as may be deemed necessary or expedient by the Engineer in accordance with section 3-2.1.1 of the Special Provisions. All bids will be compared on the basis of the Engineer's Estimate of the quantities of the work to be done. The undersigned declares, by signing this proposal, that the bidder has carefully checked all of the above figures and understands that the City shall not be responsible for any errors or omissions on the part of the undersigned in making up this bid.

# WORKERS' COMPENSATION INSURANCE CERTIFICATION

Pursuant to Section 7-4 of the Standard Specifications, the Contractor certifies as follows:

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

Signed: \_\_\_\_\_

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

\_\_\_\_\_  
(Typed or Printed Name)

Business Address (Street Address, City, State & Zip Code):

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

Business Phone: (     ) \_\_\_\_\_

CITY OF SAN LEANDRO  
STATE OF CALIFORNIA

**PERFORMANCE BOND**

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the **City of San Leandro**, State of California, has awarded to \_\_\_\_\_, hereinafter designated as the "Principal," a contract for **Curb Ramp Upgrades (2015-16) Project, Project No.: 2016.0071.;** and,

WHEREAS, said Principal is required under the terms of said contract to furnish a bond for the faithful performance of said contract.

NOW, THEREFORE, we the Principal, and \_\_\_\_\_ as Surety, are held and firmly bound unto the City of San Leandro in the penal sum of \_\_\_\_\_ (\$ \_\_\_\_\_), lawful money of the United States for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, or assigns jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH, that if the above bounden Principal, or Principal's heirs, executors, administrators, successors, or assigns, shall in all things stand to and abide by, and well and truly keep and perform the covenants, conditions, and agreements in said contract and any alteration thereof made as therein provided, on the Principal's part, to be kept and performed at the time and in the manner therein specified and in all respects according to their true intent and meaning; and shall defend, indemnify and save harmless the City of San Leandro, its officers and agents as therein stipulated, then this obligation shall become null and void; otherwise it shall be and remain in full force and virtue.

And the Surety, for value received hereby stipulates and agrees that, in accordance with the Plans, Standard Specifications, Special Provisions, and other contract documents, no change, extension of time, alteration, or addition to the terms of the contract, or to the work to be performed hereunder, or to the specifications accompanying the same shall in anywise affect its obligations on this bond, and it does hereby waive notice of any such change, extension of time, alteration of additions to the terms of the Contract to the work, or to the specifications.

The City reserves the right to refuse use of any Contractor assigned by any surety to complete the work.

IN WITNESS WHEREOF, the above-bound parties have executed this instrument under their seals this \_\_\_\_\_ day of \_\_\_\_\_, the name and corporate seals of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

(Corporate Seal)

**Principal** \_\_\_\_\_

By \_\_\_\_\_

Title \_\_\_\_\_

(Attach Notarial Acknowledgment)

(Corporate Seal)

**Surety** \_\_\_\_\_

Address \_\_\_\_\_

Phone No.: ( ) \_\_\_\_\_ Fax No.: ( ) \_\_\_\_\_

By \_\_\_\_\_

Attorneys-in-Fact

Title \_\_\_\_\_

(Attach Notarial Acknowledgment)

**NOTE TO SURETY COMPANY: There must be submitted a certified copy of unrevoked resolution of authority for the attorneys-in-fact.**

(Seal)

**Witness** \_\_\_\_\_

Approved as to form:

\_\_\_\_\_  
Risk Manager

**END OF PERFORMANCE BOND**

CITY OF SAN LEANDRO  
STATE OF CALIFORNIA

**PAYMENT BOND**

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the **City of San Leandro**, a municipal corporation, has awarded to \_\_\_\_\_, hereinafter designated as the "Principal", a contract for **Curb Ramp Upgrades (2015-16) Project, Project No.: 2016.0071.**; and

WHEREAS, said Principal is required to furnish a bond in connection with said contract, to secure payment of claims of laborers, mechanics, or materialmen employed on work under said contract, as provided by law.

NOW, THEREFORE, we the undersigned Principal and Surety are held and firmly bound unto the City of San Leandro in the sum of \_\_\_\_\_ (\$ \_\_\_\_\_), said sum being equal to the estimated amount payable by said City of San Leandro under the terms of the contract, for which payment well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, or assigns jointly and severally, firmly by these presents.

THE CONDITIONS OF THIS OBLIGATION ARE SUCH that if said Principal, or Principal's heirs, executors, administrators, successors, or assigns, or subcontractors shall fail to pay for any material, provisions, provender, or other supplies, 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 Code with respect to such work or labor, or for any amounts required to be deducted, withheld, and paid over to the Franchise Tax Board from these wages of employees of the Contractor and Contractor's subcontractors pursuant to the Revenue and Taxation Code, with respect to such work and labor, the Surety or Sureties hereon will pay for the same in an amount not exceeding the sum specified in this bond, otherwise the above obligation shall be void. In case suit is brought upon this bond, said Surety will pay a reasonable attorney's fee to be fixed by the court.

This bond shall inure to the benefit of any and all persons, companies, and corporations entitled to file claims under Section 3138 of the Civil Code of the State of California so as to give a right of action to them or their assigns in any suit brought upon this bond.

Said Surety, for value received, hereby stipulates and agrees that, in accordance with the Plans, Standard Specifications, Special Provisions, and other Contract Documents, no change, extension of time, alteration or addition to the terms of the contract, or to the work to be performed there under, or to the specifications accompanying the same, shall in anywise affect its obligations on this bond, and it does hereby waive notice of any such change, extension of time, alteration or addition to the terms of the contract, or to the work, or to the specifications.

IN WITNESS WHEREOF, the above-bound parties have executed this instrument under their seals this \_\_\_\_\_ day of \_\_\_\_\_, the name and corporate seals of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

(Corporate Seal)

**Principal** \_\_\_\_\_

By \_\_\_\_\_

Title \_\_\_\_\_

(Attach Notarial Acknowledgment)

(Corporate Seal)

**Surety** \_\_\_\_\_

Address \_\_\_\_\_

Phone No.: ( ) \_\_\_\_\_ Fax No.: ( ) \_\_\_\_\_

By \_\_\_\_\_

Attorneys-in-Fact

Title \_\_\_\_\_

(Attach Notarial Acknowledgment)

**NOTE TO SURETY COMPANY: There must be submitted a certified copy of unrevoked resolution of authority for the attorneys-in-fact.**

(Seal)

**Witness** \_\_\_\_\_

Approved as to form:

\_\_\_\_\_  
Risk Manager

**END OF PAYMENT BOND**

CITY OF SAN LEANDRO  
STATE OF CALIFORNIA

**ESCROW FOR SECURITY DEPOSIT**  
IN LIEU OF RETENTION

This Escrow Agreement is made and entered into by and between the **City of San Leandro**, whose address is 835 East 14th Street, San Leandro, CA, 94577, hereinafter called "City", \_\_\_\_\_, whose address is \_\_\_\_\_, hereinafter called "Contractor", and \_\_\_\_\_, whose address is \_\_\_\_\_, hereinafter called "Escrow Agent."

For the consideration hereinafter set forth, the City, Contractor, and Escrow Agent agree as follows:

1. Pursuant to Section 22300 of the Public Contract Code of the State of California, Contractor has the option to deposit securities with Escrow Agent as a substitute for retention earnings required to be withheld by City pursuant to the construction contract entered into between the City and Contractor for **Curb Ramp Upgrades (2015-16) Project, Project No.: 2016.0071**, in the amount of \_\_\_\_\_ dated \_\_\_\_\_ (hereinafter referred to as the "Contract"). Alternatively, on written request of the Contractor, the City shall make payments of the retention earnings directly to the Escrow Agent. When Contractor deposits the securities as substitute for Contract earnings, the Escrow Agent shall notify the City within 10 days of the deposit. The market value of the securities at the time of the substitution shall be at least equal to the cash amount then required to be withheld as retention under the terms of the Contract amount between the City and Contractor. Securities shall be held in the name of \_\_\_\_\_, and shall designate the Contractor as the beneficial owner.

The Contractor shall select and initial one of the following options:

2.  The City shall make progress payments to the Contractor for such funds that otherwise would be withheld from progress payments pursuant to the Contract provisions, provided that the Escrow Agent holds securities in the form and amount specified above,

**OR**

3.  The City shall make payment of retentions earned directly to the Escrow Agent. The Escrow Agent shall hold them for the benefit of the Contractor until such time as the escrow created under this Contract is terminated. The Contractor may direct the investments of the payments into securities. All terms and conditions of this agreement and the rights and responsibilities of the parties shall be equally applicable and binding when the City pays the Escrow Agent directly.
4. Contractor shall be responsible for paying all fees for the expenses incurred by Escrow Agent in administering the Escrow Account and all expenses of the City. These expenses and payment terms shall be determined by the City, Contractor, and Escrow Agent.
5. The interest earned on the securities or the money market accounts held in escrow and all interest earned shall be for the sole use of the Contractor and shall be subject to withdrawal by Contractor at any time and from time to time without notice to the City.

6. Contractor shall have the right to withdraw all or any part of the principal in the escrow account only by written notice to Escrow Agent accompanied by written authorization from City to the Escrow Agent that City consents to the withdrawal of the amount sought to be withdrawn by Contractor.
7. The City shall have a right to draw upon the securities in the event of default by the Contractor. Upon seven day's written notice to the Escrow Agent from the City of the default, the Escrow Agent shall immediately convert the securities to cash and shall distribute the cash as instructed by the City.
8. Upon receipt of written notification from the City certifying that the Contract is final and complete, and that the Contractor has complied with all requirements and procedures applicable to the Contract, Escrow Agent shall release to Contractor all securities and interest on deposit less escrow fees and charges of the escrow account. The escrow shall be closed immediately upon disbursement of all monies and securities on deposit and payments of fees and charges.
9. Escrow Agent shall rely on the written notifications from the City and the Contractor pursuant to Sections (5) to (8) inclusive, of this agreement and the City and Contractor shall hold Escrow Agent harmless from Escrow Agent's release and disbursement of the securities and interest as set forth above.
10. Contractor authorizes the Escrow Agent to issue monthly statements of the status of the funds held in the escrow account to the City. Escrow Agent shall issue said statements on a monthly basis and mail to: City of San Leandro, ATTN: Finance Department, 835 East 14<sup>th</sup> Street, San Leandro, CA 94577.
11. The names of the persons who are authorized to give written notice or to receive written notice on behalf of the City and on behalf of Contractor in connection with the foregoing, and exemplars of their respective signatures, are as follows:

**On behalf of City:**

\_\_\_\_\_

Title

\_\_\_\_\_

Name

**On behalf of Contractor:**

\_\_\_\_\_

Title

\_\_\_\_\_

Name

**On behalf of Escrow Agent:**

\_\_\_\_\_

Title

\_\_\_\_\_

Name

\_\_\_\_\_

Signature

\_\_\_\_\_

Address

At the time the escrow account is opened, the City and Contractor shall deliver to the Escrow Agent a fully executed counterpart of this agreement.

IN WITNESS WHEREOF, the parties have executed this agreement by their proper officers on the date first set forth above.

**City:**

**Contractor:**

\_\_\_\_\_  
Title

\_\_\_\_\_  
Title

\_\_\_\_\_  
Name

\_\_\_\_\_  
Name

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Address

\_\_\_\_\_  
Address

**END OF ESCROW FOR SECURITY DEPOSIT  
IN LIEU OF RETENTION**

CITY OF SAN LEANDRO  
STATE OF CALIFORNIA

**MAINTENANCE BOND**

KNOW ALL MEN BY THESE PRESENTS:

WHEREAS, the **City of San Leandro**, State of California, has awarded to \_\_\_\_\_, hereinafter designated as the "Principal," a contract for **Curb Ramp Upgrades (2015-16) Project, Project No.: 2016.0071;** and

Whereas, said Principal is required under the terms of said contract to furnish a bond for the correction of any defects due to defective materials or workmanship in the work performed under said contract.

NOW, THEREFORE, we the Principal, and \_\_\_\_\_ as Surety, are held and firmly bound unto the City of San Leandro in the penal sum of \_\_\_\_\_ (\$\_\_\_\_\_), lawful money of the United States for the payment of which sum well and truly to be made, we bind ourselves, our heirs, executors, administrators, successors, or assigns jointly and severally, firmly by these presents.

THE CONDITION OF THIS OBLIGATION IS SUCH that if, during a maintenance period of one (1) year from the date of recordation of the Notice of Completion by the City, the Contractor upon receiving written notice of a need for repairs which are directly attributable to defective materials or workmanship, shall diligently take the necessary steps to correct said defects within seven (7) days from the date of said notice, then this obligation shall be null and void; otherwise it shall remain in full force and effect.

If any action shall be brought by City upon this bond, a reasonable attorney's fee, to be fixed by the court, shall be and become a part of City's judgment in any such action.

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 heirs, executors, administrator, or successor of the City.

IN WITNESS WHEREOF, the above-bound parties have executed this instrument under their seals this \_\_\_\_\_ day of \_\_\_\_\_, the name and corporate seals of each corporate party being hereto affixed and these presents duly signed by its undersigned representative, pursuant to authority of its governing body.

(Corporate Seal) **Principal** \_\_\_\_\_  
By \_\_\_\_\_  
Title \_\_\_\_\_

(Attach Notarial Acknowledgment)

(Corporate Seal) **Surety** \_\_\_\_\_  
Address \_\_\_\_\_  
Phone No.: ( ) \_\_\_\_\_ Fax No.: ( ) \_\_\_\_\_  
By \_\_\_\_\_  
Attorneys-in-Fact  
Title \_\_\_\_\_

(Attach Notarial Acknowledgment)

**NOTE TO SURETY COMPANY: There must be submitted a certified copy of unrevoked resolution of authority for the attorneys-in-fact.**

(Seal) **Witness** \_\_\_\_\_

Approved as to form:

\_\_\_\_\_  
Risk Manager

**END OF MAINTENANCE BOND**

# SPECIAL PROVISIONS

## PART 1 - GENERAL PROVISIONS

Part 1 of the Special Provisions shall conform to Part 1 of the Standard Specifications except as modified herein.

### SECTION 1 - TERMS, DEFINITIONS, ABBREVIATIONS, AND SYMBOLS

The terms, definitions, abbreviation, and symbols shall be governed by the provisions in Section 1, “Terms, Definitions, Abbreviation, And Symbols”, of the Standard Specifications, except as modified herein.

- 1-2 Definitions
- 1-3 Abbreviations

#### 1-2 DEFINITIONS. *Add the following:*

Whenever the following terms are used in the Standard Specifications, Plans, Special Provisions, or other contract documents, the intent and meaning shall be interpreted as follows:

**Agency:** The City of San Leandro.

**Board:** The City Council of the City of San Leandro.

**City:** The City of San Leandro.

**Contractor:** Signatory to agreement contained herein.

**Engineer:** The City Engineer of the City of San Leandro, State of California, acting either directly or through properly authorized agents, such agents acting within the scope of the particular duties entrusted to them.

**Laboratory:** Laboratories approved and authorized by the Engineer to test materials and work involved in the contract.

**Standard Specifications:** The Standard Specifications for Public Works Construction, 2006 edition and 2008 supplement thereto, American Public Works Association, Southern California Chapter; Section 86 of the 2010 edition of the California Department of Transportation (CALTRANS) Standard Specifications; and the Special Provisions (Technical Specifications) and Standard Plans thereto adopted by the City Engineer, the State Department of Industrial Relations general prevailing wage rates; and the State Department of Transportation labor surcharge and equipment rental rates.

**Special Provisions:** Any provisions that supplement or modify the Standard Specifications, including technical specifications covering construction materials and methods. The State Department of Transportation publication entitled “Labor Surcharge And Equipment Rental Rates” and the State Department of Industrial Relations General Prevailing Wage Rates are to be considered as a part of the Special Provisions.

#### 1-3 ABBREVIATIONS.

**1-3.2 Common Usage.** *Add the following:*

<b>Abbreviation</b>	<b>Word or Words</b>
<b>AB or CAB</b>	<b>Aggregate Base Rock or Crushed Aggregate Base</b>
<b>ASB or CMB</b>	<b>Aggregate Subbase Rock or Crushed Miscellaneous Base</b>
<b>JP</b>	<b>Joint Utility Pole</b>
<b>MO</b>	<b>Months</b>
<b>TN</b>	<b>Tons (2,000 lbs.)</b>
<b>TP</b>	<b>Telephone Pole</b>

## SECTION 2 - SCOPE AND CONTROL OF THE WORK

The scope and control of work shall be governed by the provisions in Section 2, "Scope and Control of the Work", of the Standard Specifications, except as modified herein.

2-1	Award Of Contract
2-3	Subcontracts
2-3.1	General
2-3.2	Additional Responsibility
2-4	Contract Bonds
2-5	Plans And Specifications
2-5.1	General
2-5.3	Submittals
2-5.3.1	General
2-5.3.2	Working Drawings
2-5.3.3	Shop Drawings
2-5.3.4	Supporting Information
2-6	Work To Be Done
2-9	Surveying
2-9.2	Survey Service
2-11	Inspection
2-11.1	Quality Control
2-11.2	Re-Inspection

### **2-1 AWARD AND EXECUTION OF CONTRACT.** *Replace with the following:*

**BASIS OF AWARD:** The award of the contract, if awarded, will be made within 90 days after the opening of bids to the lowest responsible bidder whose proposal complies with all the contract requirements, based on the corrected "Total Bid" sum of the corrected extension(s) of the bid item(s) in "Total Price" column, per the "Proposal to the City of San Leandro". The right is reserved to reject any and all proposals.

#### Local Business Preference

- (1) Solely for the purpose of calculating the lowest bid, a sum equal to ten percent (10%) of the "Total Bid", or of the base bid and each alternate, shall be deducted from the amount of the "Total Bid", or the base bid and each alternate, respectively, up to a maximum of \$50,000 of a bid submitted by a San Leandro business as that term is defined in Section 1-6-225 of the San Leandro Municipal Code..

If, after performing the above calculation there is a tie for the lowest bid the bidder whose principal place of business is located within the City of San Leandro shall be deemed the lowest bid subject to the qualifications concerning responsibility, as required by law. If the tie bidders both have as their principal places of business the City of San Leandro, then the City Council shall draw lots to determine to whom to award the contract.

- (2) Solely for the purpose of calculating the lowest bid a sum equal to five percent (5%) of the "Total Bid", or of the base bid and each alternate, shall be deducted from the amount of the "Total Bid", or the base bid and each alternate, respectively, up to a maximum of \$50,000 of a bid submitted by a joint venture wherein one of the joint venturers is a business that has as its principal place of business, its headquarters, or a significant portion of its operations within the City of San Leandro.

The periods of time specified above within which the award of contract may be made shall be subject to extension for such further period as may be agreed upon in writing between the Engineer and the bidder concerned.

All bids will be compared on the basis of the Engineer's Estimate of the quantities of work to be done. The Engineer's Estimate of construction quantities are approximate only, being given as a basis for the comparison of bids. The City does not expressly nor by implication agree that the actual amount of work will correspond therewith, and reserves the right to change the amount of any class or portion of the work or to omit portions of the work as may be deemed necessary or expedient by the Engineer in accordance with Section 3-2 of the Standard Specifications.

## **2-3 SUBCONTRACTS.**

### **2-3.1 General.** *Add the following:*

Contractor shall provide all REQUIRED information, as requested, on the "List of Subcontractors", which is included in the proposal. If requested by the Engineer, all other information must be provided within 24 hours of bid opening, pursuant to Public Contracts Code Section 4104.

### **2-3.2 Additional Responsibility.** *Add the following:*

The following items are designated as "Specialty Items" for computing the amount of work required by the Contractor pursuant to Section 2-3.2 of the Standard Specifications:

<b>Bid Item No.</b>	<b>Description</b>
10	Relocate Utility Box
11	Relocate Pedestrian Push Button Post
12	Install New Pedestrian Push Button Post
13	Relocate Traffic Signal 1B Pole
14	Install 2-inch Conduit
15	Install Electrical Wiring
16	Relocate Roadside Sign

## **2-4 CONTRACT BONDS.** *Add the following:*

**PAYMENT BOND AND PERFORMANCE BOND:** The forms for the Payment Bond and Performance Bond can be found within these contract documents. Only said bond forms provided by the City shall be acceptable.

**MAINTENANCE BOND:** A Maintenance Bond shall be delivered to the City prior to the City's acceptance of the work. The bond shall be executed by a surety company or companies satisfactory to the City in the amount of ten percent (10%) of the contract price, or \$1,000.00, whichever is greater. The bond shall remain in force for the duration of the 1-year guarantee period. The Maintenance Bond must be in substantially the same form as set forth in these contract documents.

In addition to the Contractor's one-year guarantee, upon completion of the project and as a condition of acceptance of the project, the Contractor may be required to deliver to the Engineer written manufacturer warranties from manufacturers and/or subcontractors that guarantee and warrant specific products and installations against defects in materials and workmanship for periods following acceptance of the project. Such manufacturer warranties, if required, shall be so indicated in sections under Part 2 "Construction Materials" of the Special Provisions.

## **2-5 PLANS AND SPECIFICATIONS.** *Add the following:*

The work embraced herein shall be performed in accordance with the Standard Specifications for Public Works Construction, the 2006 edition and 2008 supplement thereto, American Public Works Association, Southern California Chapter; and Section 86 of the 2010 edition of the California Department of Transportation (CALTRANS) Standard Specifications and the Special Provisions (Technical Specifications) and Standard Plans thereto adopted by the City Engineer, the State Department of Industrial Relations General Prevailing Wage Rates; and the State Department of Transportation Labor Surcharge and Equipment Rental Rates, and these Special Provisions and the Contract Documents.

The Contractor shall not take advantage of any apparent error or omission in the contract documents. In the event Contractor discovers any apparent error, discrepancy or omission, Contractor shall immediately call upon the Engineer to make a determination and decision on the matter.

Should any discrepancy appear, or misunderstandings arise with respect to any issue described in the contract documents, the explanation of the Engineer in relation thereto shall prevail.

In addition to the drawings incorporated with or referred to in these contract documents, the Engineer shall, from time to time during the progress of the work, furnish such additional drawings and reference specifications as may be necessary to clarify or define the intent of the contract documents in greater detail. The Contractor shall make the work conform to all such drawings and reference materials.

The plans for this project shall be as follows:

<b><u>City of San Leandro Standard Plans</u></b>		
<b><u>Title</u></b>	<b><u>Drawing No.</u></b>	<b><u>Case No.</u></b>
Concrete Curb, Gutter & Sidewalk	100	3101
General Concrete Notes	104	
Wheelchair Curb Ramp Type A & B	106A	3101
Wheelchair Curb Ramp Type C & D	106B	3101
Wheelchair Curb Ramp Notes	106C	3101
Wheelchair Curb Ramp Notes	106D	3101
Valley Gutter	114	3101
Pavement Tie-In	128	3101
Survey Monument	134	3101
Sign Installation & Mounting Detail	136	3101
Utility Frame & Cover Adjustment	222	3101
Traffic Control Plan	608A	3101
Traffic Control Plan	608B	3101
Traffic Control Plan	608C	3101
Truck Route Map	610	3101

<b><u>Caltrans Standard Plans</u></b>	
<b><u>Title</u></b>	<b><u>Drawing No.</u></b>
Symbols and Abbreviations	ES-1A
Symbols and Abbreviations	ES-1B
Symbols and Abbreviations	ES-1C
Signal and Lighting Standards Type TS & Push Button Post	ES-7A
Signal and Lighting Standards Type 1 Standards	ES-7B
Non-Traffic Pull Box Details	ES-8A
Splicing Details	ES-13A

**2-5.1 General.** *Add the following:*

The Contractor shall submit a request for information (RFI) to the Engineer whenever the intent of the contract documents is ambiguous or unclear. RFI's shall be in writing and shall be numbered sequentially. RFI's shall include references to relevant details, specification sections, and plan sheets so that the question may be easily understood. Responses to RFI's shall be considered amendments to the contract documents, and the work shall be constructed in accordance with the responses. The response to an RFI does not indicate or authorize extra work or authorize additional compensation. The Contractor must follow the procedures of Section 3 if additional compensation is desired.

**2-5.3 Submittals.** *Add the following:*

Submittals shall consist of the appropriate combination of catalog sheets, certificate of compliance, material lists, manufacturer's brochures, technical bulletins, specifications, diagrams, product samples, or other requested information necessary to describe a system, product, or item. Submittals for systems shall be bound together and include all manufactured items for the system. Six copies of each submittal shall be transmitted to the Engineer. Three copies will be returned to the Contractor.

**2-5.3.1 General.** *Add the following:*

Contractor's attention is directed to Section 6-1 of these Special Provisions regarding required submittals for pre-construction meeting.

Prior to the pre-construction conference and per section 6-1 of these Special Provisions, the Contractor shall submit to the City for review a tentative construction schedule, traffic control plans, 24 hour emergency phone numbers, and copies of business licenses and applicable permits, and sample flyers/door hangers for public notifications.

A partial list of the required submittals is as follows:

- Source of supply of all materials
- Certificates of compliance and certified test reports as required in Section 203-1.3
- Project Schedule including diagrams/maps indicating phasing/parking
- Sample notice to be given to residents, businesses and agencies
- 24-hour Emergency phone number list
- Business licenses

Work that utilizes processes, equipment, or materials that have not been accepted is performed at the contractors own risk. Work performed utilizing rejected processes, equipment, or materials will be removed, repaired, or redone at the Contractor's expense to the satisfaction of the Engineer.

**2-5.3.2 Working Drawings.** *Add the following:*

**RECORD DRAWINGS ("As Builts"):** Record Drawings is applicable only to locations where traffic signal equipment is relocated or added. The Engineer will provide copies of existing traffic signal equipment installations. On these, the contractor shall mark all changes to the traffic signal equipment, including buried utility features. Record drawings shall be carefully plotted and clearly legible.

**EFFECT ON PROGRESS PAYMENTS:** Requests for partial payments will not be approved if the record drawings are not kept current. All such record drawings will be inspected by the Engineer each month, and the City will not process monthly payment requests unless such drawings are current to the satisfaction of the Engineer.

Record drawings prepared by the Contractor shall be accessible to the Engineer at all times during the construction period and shall be delivered to the Engineer upon completion of the work.

**FINAL RECORD DRAWINGS:** Upon substantial completion of the work and prior to final acceptance by the City, the Contractor shall complete and deliver the completed set of record drawings to the Engineer conforming to the construction records of the Contractor. This set of drawings shall consist of corrected plans showing the reported location of the work. The information submitted by the Contractor and incorporated by the Engineer into the record drawings will be assumed to be reliable, and the Engineer will not be responsible for the accuracy of such information, nor for any errors or omissions that may appear on the record drawings as a result. A set of reduced record drawings, laminated in plastic, shall be provided for traffic signal work, street or park lighting work, communications systems work, and irrigation work. Such drawings shall become the property of the City.

**EFFECT ON FINAL PAYMENT:** An amount to be determined by the Engineer will be withheld from retention until the Contractor-prepared final record drawings have been delivered to the Engineer.

**2-5.3.3 Shop Drawings.** *Add the following:*

Shop drawings are required for the following items of work or components:

None

**2-5.3.4 Supporting Information.** *Add the following:*

In accordance with Section 6-1 of these Special Provisions, Contractor shall submit the following to the City for review prior to the pre-construction meeting:

- Preliminary Construction Schedule
- Traffic Control Plans
- Public Notification Flyers and/or Door Hangers
- 24-Hour Emergency Phone Numbers
- Copies of Business Licenses for Contractor and all listed Subcontractors
- All Applicable Permits
- The Contractors Representative
- Traffic Control Flagger Certifications (California Code of Regulations (CCR) Title 8, Section 1599)
- Traffic Signal Electrician Certifications (Labor Code Section 3099 et. seq. And CCR Title 8, Section 290 et. seq.)
- All other Permits as required by Federal or State Law

*The following is added to the last paragraph of Section 2-5.3.4:*

Supporting information shall also be required to be submitted for the additional following systems:

- Concrete Design Mix
- AC Design Mix
- Tactile Surface
- Pedestrian Push Button Post

**2-6 WORK TO BE DONE.** *Add the following:*

**UNAUTHORIZED WORK:** Any work done beyond the lines or grades shown on the plans and specifications, or beyond lines and grades established by the Engineer pursuant to the plans, or any work done without written authority of the Engineer, or performed during unauthorized working hours, or performed without benefit of or subject to inspection, shall be consider as unauthorized work and no

compensation will be allowed therefore. The Engineer shall have the authority to have such work removed and the area restored and to deduct the cost thereof from money due or to become due to the Contractor.

## **2-9 SURVEYING**

### **2-9.2 Survey Service.** *Replace with the following:*

Curb ramps and improvements shall be laid out as follows:

Prior to commencing work the Engineer shall meet with the contractor at each curb ramp location. The type of curb ramp and limits of the improvements will be verified and marked out at this meeting. Contractor shall provide 48 hours written notice to schedule this site meeting.

### **2-11 INSPECTION.** *Add the following:*

#### **2-11.1 Quality Control. Quality Control is distinctly the sole duty of the Contractor and said duty shall not be avoided by any act or omission on the part of the inspector(s).**

The work shall be conducted under the general observation of the Engineer acting directly and/or through various inspectors at the site and shall be subject to intermittent inspection (Quality Assurance) by said representatives of the City to assure strict compliance with the requirements of the contract documents. The presence of the inspector shall not be required nor relieve the Contractor of the responsibility for the proper execution of the work in accordance with all requirements of the contract documents.

Whenever the Contractor is ready to backfill, bury, cast in concrete, hide, or otherwise cover or make inaccessible any work under the contract, the Contractor shall notify the Engineer not less than before noon of the working day prior to the beginning of any such work to be inspected or tested, so that the required inspections can be scheduled and performed. Failure of the Contractor to notify the Engineer at least before noon of the working day before any such inspections shall be reasonable cause for the Engineer to require sufficient delay in the Contractor's schedule to allow time for such inspections, and any remedial or corrective work required, and all costs of such delays, including its impact or effect upon other portions of the work, shall be borne by the Contractor.

The Contractor shall not call for any inspections until the Contractor is absolutely certain that all obligations for quality control have been fulfilled, and the work is in strict compliance with the requirements of the plans and specifications.

The Contractor shall be solely responsible for arranging inspections required by the Building Regulations Division or other jurisdictions where permits are required pursuant to Section 7-5 of these Special Provisions. The Engineer shall be kept informed of the status of such permits and related inspections.

#### **2-11.2 Re-inspection.** *This subsection is added:*

A re-inspection fee may be assessed for each inspection or re-inspection when:

1. Such portion of work for which inspection is called is not complete, or when corrections called for are not made.
2. When the permits are not properly posted at the work site.
3. The approved plans are not readily available to the inspector.

4. When the Contractor fails to provide access to the work on the date for which inspection is requested.
5. For obvious non-compliance and/or for deviating from plans and specifications without the required approval of the Engineer.
6. Any unauthorized work.
7. Work not subject to initial inspection.
8. Continuous failure of material testing.

To obtain a re-inspection, the applicant shall request re-inspection in writing before noon of the working day before re-inspection is required, including agreement for payment of the inspector's current hourly rate, plus laboratory costs for repeated materials testing.

In instances where re-inspection fees have been assessed, no additional inspection of the work will be performed until the required fees have been deducted from money due or to become due to the Contractor.

## SECTION 3 - CHANGES IN WORK

Changes in work shall be governed by provisions in Section 3, “Changes In Work”, of the Standard Specifications, except as modified herein.

3-2.1.1	Changes Initiated By The City
3-3	Extra Work
3-3.1	General
3-3.2	Payment
3-3.2.1	General
3-3.2.2	Basis For Establishing Costs
3-3.2.3	Mark Up
3-3.3	Daily Reports By Contractor
3-4	Changed Conditions
3-5	Disputed Work
3-6	False Claims Act Certification

### 3-2 CHANGES INITIATED BY THE AGENCY.

#### 3-2.1 General.

Changes greater than 25 percent (25%) of the total cost of the following contract items may be made by the City without adjustment in the contract unit prices:

Bid Item No.	Description
3	Install Curb and Gutter
4	Install Sidewalk
5	Install Wheelchair Curb Cut Ramp
6	Install Concrete Apron
7	Install Surface Mounted Truncated Domes on (e) concrete surface
8	Install Decomposed Granite Hardscape
9	Adjust Utility Valve Cover to grade or Utility Box to grade
10	Relocate Utility Box
11	Relocate Pedestrian Push Button Post
12	Install New Pedestrian Push Button Post
13	Relocate Traffic Signal 1B Pole
14	Install 2-inch Conduit
15	Install Electrical Wiring
16	Install New Sign Post

### 3-3 EXTRA WORK. *Add the following:*

Extra work shall require a signed contract change order, or a written order from the City, authorizing Contractor to proceed with extra work for an agreed upon price. The expressed terms of the signed change order shall govern over any conflicting documents, including but not limited to, any proposals for change orders.

Work performed in response to an emergency shall be performed on an extra work basis (time and material basis) and shall be governed by this section.

**3-3.1 General.** *Add the following:*

When forces or labor used for extra work are not those of the Contractor or subcontractors, such forces or labor shall be treated as subcontractors and the Contractor shall be responsible for their work.

**3-3.2 PAYMENT.**

**3-3.2.1 General.** *Add the following:*

When changes in work are to be paid for as Extra Work, in accordance with Section 3-3.2, "Payment", of the Standard Specifications, the labor, materials, and equipment used in the performance of such work shall be subject to the approval of the City.

**3-3.2.2 Basis for Establishing Costs.** *This subsection is revised as follows:*

(a) **Labor:** The cost of labor for the workers used in the actual and direct performance of the work, whether the employer is the Contractor, subcontractor, or other force, will be the sum of the following:

The actual wages paid at a rate not to exceed the State of California Department of Industrial Relations General Prevailing Wage Rates. The wages shall include any employer payments to or on behalf of the workers for health and welfare, pension, vacation, apprenticeship funds, and similar purposes (fringe benefits).

The use of a labor classification that would increase the extra work cost will not be permitted unless the Contractor establishes the necessity for such additional costs. Labor costs for equipment operators and helpers shall be reported only when such costs are not included in the invoice for equipment rental. The labor cost for foremen shall be proportioned to all of their assigned work and only that applicable to extra work will be paid.

Non-direct labor costs, including superintendence, shall be considered part of the markup of 3-3.2.3 (a).

To the actual wages, as defined above, will be added a labor surcharge set forth in the California Department of Transportation publication entitled "Labor Surcharge and Equipment Rental Rates", which is in effect on the date upon which the work is accomplished. The labor surcharge shall constitute full compensation for all payments imposed by State and Federal laws and for all other payments made to, or on behalf of, the workers, other than actual wages as defined above. The six items included are Workers Compensation, Social Security, Medicare, Federal Unemployment, State Unemployment, and State Training Taxes.

Fringe benefit statements from applicable collective bargaining units shall be provided for verification.

(b) **Materials:** *No additions, deletions, or revisions.*

(c) **Tool and Equipment Rental:** *Revise the second paragraph to read:*

The rates to be used in determining equipment rental costs of Contractor owned and maintained equipment shall be the lesser of listed rates prevailing locally at equipment rental agencies or distributors, or of listed rates in the California Department of Transportation publication entitled "Labor Surcharge and Equipment Rental Rates", at the time the work is performed. The rates to be used in determining equipment rental costs of equipment obtained at local equipment rental agencies or distributors shall be paid per invoice. The Contractor's owned equipment shall be used to the greatest extent possible.

*Revise the fourth paragraph to include:*

Rental rates for Contractor owned/maintained equipment not in actual use that remains at the work site exclusively to perform the extra work shall be adjusted by the Delay Factor Rate up to eight (8) hours, and equipment used in excess of eight (8) hours per day or on weekends and holidays shall be adjusted by the Overtime Factor per the “Labor Surcharge and Equipment Rental Rates”.

(d) **Other Items:** *No additions, deletions, or revisions.*

(e) **Invoices:** *No additions, deletions, or revisions.*

**3-3.2.3 Markup.** *Replace with the following:*

(a) **Work by Contractor:** The following percentages shall be added to the Contractor’s costs and shall constitute the markup for all overhead and profits:

1) Labor	33%
2) Materials	15%
3) Equipment Rental	15%
4) Other Items and Expenditures	15%

(b) **Work by Subcontractor:** When all or any part of the extra work is performed by a Subcontractor, the markup established in 3-3.2.3 (a) shall be applied to the Subcontractor’s actual cost of such work. A markup of ten percent (10%) on the first \$5,000 of the subcontracted portion of the extra work and a markup of five percent (5%) on work added in excess of \$5,000 of the subcontracted portion of the extra work may be added by the Contractor.

The above markups shall constitute full compensation for all non-direct overhead costs not specifically designated as costs in Section 3-3.2.2 of these Special Provisions, including but not limited to fixed field cost (field overhead), home office overhead, liability insurance, and increased insurance and bond premiums. The total payment made as provided above shall be deemed to be the actual cost of the work and shall constitute full compensation therefore.

**3-3.3 Daily Reports by the Contractor.** *Add the following:*

Contractor (and Subcontractors) shall submit DEW (Daily Extra Work) Reports on the attached form.

**3-4 CHANGED CONDITIONS.** *Add the following:*

Any notice of Changed Conditions shall include any potential delay claims, and any potential claims for additional compensation in accordance with Section 6-6 of the Standard Specifications and these Special Provisions.

**3-5 DISPUTED WORK.** *Add the following:*

For claims of less than three hundred and seventy five thousand dollars (\$375,000), the procedure for claims resolution shall be as stipulated in Article 1.5 of the California Public Contracts Code.

**3-6 FALSE CLAIMS ACT CERTIFICATION.** *This subsection is added:*

All change orders submitted by the Contractor, and any claim for additional compensation must be accompanied by the following declaration:

“I, \_\_\_\_\_, being the \_\_\_\_\_  
of \_\_\_\_\_ (Contractor), declare under penalty of perjury under the laws of  
the State of California, and do personally certify and attest that: I have thoroughly reviewed the attached  
request for change order and know its contents, and said request for change order is made in good faith;  
that it is supported by truthful and accurate data; that the amount requested and the additional time  
requested accurately reflects the allowable expenses that would be incurred, and the time necessary, to  
perform the change order; and further, that I am familiar with California Penal Code Section 72 and  
California Government Code Section 12650, et seq., pertaining to false claims, and further know and  
understand that submission or certification of a false claim may lead to fines, imprisonment, or other  
severe legal consequences.”



## SECTION 4 - CONTROL OF MATERIALS

Contractor's attention is directed to Section 4, "Control of Materials", of the Standard Specifications.

4-1	Materials And Workmanship
4-1.1.1	Buy American Requirements
4-1.5	Certification

### 4-1 MATERIALS AND WORKMANSHIP.

#### 4-1.5 Certification. *Add the following:*

A Certificate of Compliance shall be furnished prior to the use of any materials for which these Special Provisions require that such a certificate be furnished. In addition when so authorized in these Special Provisions, the Engineer may permit the use of certain materials or assemblies prior to sampling and testing if accompanied by a Certificate of Compliance. The certificate shall be signed by the manufacturer of the material or the manufacturer of assembled materials and shall state that the materials comply in all respects to the requirements of the specifications. A Certificate of Compliance shall be furnished with each lot of materials delivered to the work and the lot so certified shall be clearly identified in the certificate.

All materials used on the basis of a Certificate of Compliance may be sampled and tested at any time. The fact that a material is used on the basis of a certificate of Compliance shall not relieve the Contractor of responsibility for incorporating material in the work which conforms to the requirements of the plans and specifications and any material not conforming to such requirements will be subject to rejection whether in place or not.

The City reserves the right to refuse to permit the use of material on the basis of Certificate of Compliance

The form of the Certificate of Compliance and its disposition shall be as directed by the Engineer.

monies due or to become due the Contractor. All City furnished material that is not used on the work shall remain the property of the City and shall be delivered to the Public Works Service Center.

## SECTION 5 - UTILITIES

Contractor's attention is directed to Section 5, "Utilities", of the Standard Specifications, except as modified herein.

- 5-1 Location
- 5-2 System Outage Request Form

**5-1 LOCATION.** *The third and fourth paragraphs are revised as follows:*

As provided in Section 4216 of the California Government Code, Contractor shall contact the Underground Service Alert (USA) of Northern California at 1-800-227-2600 and provide them the limits of work a minimum of two working days prior to starting excavation operations at a given location. In addition, Contractor shall submit each USA ticket number and OSHA Activity Notification Form, (including the submitted work limits, date, and time issued), to the Engineer prior to starting excavation operations at that location. Contractor shall also keep the applicable USA ticket open until completion of excavation operations at a given location.

The California Department of Transportation (Caltrans) is not required by Section 4216 to become a member of the regional notification center. If work is within a Caltrans Right-Of-Way (ROW), Contractor shall contact Caltrans for location of Caltrans' underground utilities. It should be noted that Caltrans marks the approximate locations of its utilities only as a "courtesy" and makes no assurances as to the accuracy of the markings. Contractor shall take additional measures to verify Caltrans utility markings.

Caltrans Electrical Maintenance: (510) 638-1201; (510) 268-4409

**5-2 PROTECTION** *Add the following to the end of the fourth paragraph:*

In addition to the requirements of Section 5-2 of the Standard Specifications, In the event of disturbance or damage to a sewer line to the extent that an emergency sewer point repair is required, the Contractor shall contact the Engineer (and Caltrans if in its ROW) immediately for additional instructions prior to beginning repairs.

Contractor shall protect the existing sanitary sewer system from blockages, surcharges, and overflows. Contractor shall not plug, reroute, or bypass flows that will cause undue stress on the system or cause overflows at the Water Pollution Control Plant (WPCP) or within the community. When pipeline cleaning operations are being performed, (per Section 500-1.1.4 of the Standard Specifications), debris and particulates shall be collected at the downstream manhole and removed from the pipeline. In addition, Contractor shall implement flow velocity reduction measures at a downstream manhole to maximize the collection of particulates and debris (i.e., use of a flow-through plug, grating, 'chain-ball,' weir, etc.).

### **WPCP Phone Numbers:**

Monday – Friday	7:00 a.m. to 4:00 p.m.	(510) 577-3434
	After Hours	(510) 577-3459

## SECTION 6 - PROSECUTION, PROGRESS AND ACCEPTANCE OF THE WORK

The prosecution of work, progress, and acceptance of work shall be done in accordance with Section 6, "Prosecution, Progress, and Acceptance of the Work", of the Standard Specifications, except as modified herein.

6-1	Construction, Schedule, And Commencement Of Work
6-2	Prosecution Of Work
6-5	Termination
6-4	Written Notice And Report
6-7.2	Working Days
6-8	Completion, Acceptance And Warranty
6-9	Liquidated Damages
6-10	Use Of Improvement During Construction

### **6-1 CONSTRUCTION, SCHEDULE AND COMMENCEMENT OF WORK.** *Add the following:*

The Contractor shall not begin work until the Notice to Proceed is issued by the City. Contractor shall diligently prosecute the work to completion before the expiration of

**50** working days.

The City shall begin charging working days on the fifth working day following the date of issuance of the Notice to Proceed.

### **Failure to complete the work within allotted working days shall subject the Contractor to liquidated damages in accordance with Section 6-9 of these Special Provisions.**

Prior to the issuance of the Notice to Proceed, a pre-construction conference will be held at the office of the Engineer between the City and the Contractor. The purpose of this meeting shall be to discuss the scope of work, the plans and specifications, existing conditions, materials to be ordered, equipment to be used, and all essential matters pertaining to the prosecution of and satisfactory completion of the project as required. The Contractor's representatives at this conference shall include the project manager, superintendent, foremen, and major subcontractors. This pre-construction conference will be scheduled immediately after the contract agreement has been approved by the City.

Five (5) working days prior to the pre-construction conference, the Contractor shall submit six (6) copies of the following documents:

1. A preliminary construction schedule pursuant to Section 6-1 of the Standard Specifications in a form acceptable to the Engineer. At a minimum, the schedule will detail the proposed starting and proposed completion dates of the various activities, submittal schedule, procurement of materials, and scheduling of manpower and equipment, and a critical path of controlling operations. Subcontractors' schedules shall be incorporated into the general contractor's schedule.

Within the first seven working days of this project, the Contractor shall submit a final construction schedule to the Engineer.

**For each day beyond the submission deadline that the City does not receive the schedule, the Contractor shall be subject to liquidated damages in accordance with Section 6-9, deducted from money due or to become due to the Contractor.**

All schedule changes shall be submitted to the Engineer prior to the revised tasks being performed. All changes are subject to any limitations placed on the order of work made by these specifications.

**The Contractor shall be subject to liquidated damages in accordance with Section 6-9, deducted from money due or to become due to the Contractor, for any work task performed outside of the project schedule.**

- A. City Review of Schedule. The City may review the Contractor's submitted schedule and may note any exceptions. The Contractor shall correct any exceptions noted by the City within five (5) working days of being notified of the exceptions. The City's acceptance of a schedule does not relieve the Contractor from sole responsibility for scheduling, sequencing, and pursuing the work to comply with the requirements of the contract documents. The City shall not accept any schedule that provides for a completion date earlier than the Time of Completion. The City shall not accept any project schedule or schedule of values shows that the Contractor has engaged in front-end loading. "Front-end loading" is defined as the overestimation of the cost of work to be performed at the beginning of the project and underestimating the cost of work to be performed at the end.
- B. Update of Schedule. After submission of a schedule to which the City has taken no exceptions, the Contractor shall submit an updated schedule monthly, or with each progress payment request, whichever is more frequent, or upon the request of the Engineer until completion of the work. The updated schedule shall include as-built information on the actual progress of work as of the date specified in the updated schedule and anticipated changes to planned activities.

In addition to monthly schedule updates, a two week "look ahead schedule" shall be provided at weekly progress meetings.

- C. Float. The schedule shall show early and late completion dates for each task. The number of days between these dates shall be designated as "float". Float shall be designated to the project and shall be available to both the City and the Contractor as needed.
- D. Failure to Submit Schedule. If the Contractor fails to submit the schedule within the time period specified in this Section, or the updated schedule as specified in this Section, or submit a schedule to which the City has taken uncorrected exceptions, the City shall be entitled to withhold payment for the next application for payment submitted after the schedule or updated schedule becomes late until such time as an acceptable schedule or updated schedule is submitted to the City.
- E. Responsibility for Schedule. The Contractor shall have sole and exclusive responsibility for creating the schedule and properly updating it. The City has no authority to approve the schedule. The City may note exceptions to any schedule submitted by the Contractor. However, it shall be the Contractor's sole responsibility to determine the proper method to address exceptions and the City's review of the schedule shall not serve to place any such obligation on the City. Whenever a schedule update shows a completion date beyond the Time of Completion, the Contractor shall submit a proposed recovery schedule to the City.
- F. Submission of Schedules. Schedules and updated schedules shall be submitted in hard copy or in an electronic format. Contractor may use Microsoft Project, or other scheduling software, subject to the approval of the Engineer. The submission of a schedule in compliance with this section shall not relieve the Contractor of any other reporting requirements set forth in the contract documents.

G. Specification of “activity”. As used in this Section, an “activity” is specified as follows:

- 1) Each activity shall be a unit of work that requires an amount of time for its performance not exceeding fifteen (15) days;
  - 2) Each activity shall be a logically separate part of the work, defined by an observable start and an observable finish;
  - 3) The scope of the activity shall be formed from the largest grouping of related operations that permit a continuous and measurable flow of work and that can proceed without affecting or being abetted by other activities;
  - 4) The scope of the activity shall be small enough to permit a reasonable appraisal of its status.
2. Traffic Control Plans for each of the various stages and activities of construction, pursuant to Section 7-10.3 of the Special Provisions acceptable to the Engineer. Include all subcontractor operations and whether the general or subcontractor will perform traffic control.

Within the first seven (7) workdays of this project, the Contractor shall submit final Traffic Control Plans to the Engineer.

**The Contractor shall be subject to liquidated damages in accordance with Section 6-9, deducted from money due or to become due from the Contractor, for each day beyond the submission deadline that the City does not receive the plans.**

No change may be made to the final Traffic Control Plans unless approved by the Engineer.

**The Contractor shall be subject to liquidated damages in accordance with Section 6-9, deducted from money due or to become due from the Contractor, for each item changed on the final Traffic Control Plans without the Engineer’s authorization.**

3. Sample flyers and/or door hangers pursuant to Section 7-10.1.2, “Public Notification”.
4. The name, daytime phone number, and 24-hour emergency phone number of the Contractor’s representatives(s) pursuant to Section 7-6 of the Standard Specifications.
5. Photocopies of current business licenses for Contractor and all listed subcontractors.

**EFFECT ON PROGRESS PAYMENT:** Progress payments will not be approved until business licenses from the Contractor and all listed subcontractors have been submitted.

6. Photocopies of applicable licenses, permits, certifications, documents, etc. pursuant to Section 7-5 “Permits”.

No work will be permitted until the Contractor has satisfactorily complied with all elements of this Section. Notwithstanding the foregoing, a Notice to Proceed may be issued to the Contractor on the day of the scheduled pre-construction meeting. The City shall start charging working days on the fifth working day following the issuance of Notice to Proceed. Contractor shall not be due additional compensation or working days due to non-compliance with this Section.

**The Contractor shall be subject to liquidated damages per Section 6-9 of these Special Provisions for failure to follow stated directives of this Section.**

**6-2 PROSECUTION OF WORK.** *Add the following:*

Prior to commencing construction the Contractor shall complete, to the satisfaction of the Engineer, the following:

1. Advisory Signs
2. Stationary Mounted Construction Area Signs
3. Field meeting at each location with the Engineer
4. USA/Caltrans Notification
5. Public Notice Distribution
6. No Parking Signs placed
7. Utility Coordination/Installations

Unless otherwise noted, Work in locations 1 shall be completed before commencing Work in locations 2 and the Contractor shall execute the work in the order as follows:

1. Demolition
2. Utility relocation/Adjustment
3. Subgrade Preparation
4. Concrete Work
5. AC tie-ins
6. Site restoration

**6-5 TERMINATION OF CONTRACT.** *Replace with the following:*

1. In addition to all other available remedies that the City may have under the agreement, and at law or equity, the City may terminate the Contractor's control of the work:
  - A. If the Contractor or any of its subcontractors engaged in the performance of the work fails to timely perform the work or any of the Contractor's material obligations under the contract documents (including but not limited to, submission of an acceptable schedule) except due to reasons beyond the control of the Contractor pursuant to the contract documents.
  - B. If the Contractor is adjudged bankrupt, or if it should make a general assignment for the benefit of creditors, or if a receiver should be appointed on account of its creditors.
  - C. If the Contractor or any of the subcontractors engaged in the performance of the work persistently or repeatedly refuses or fails to supply enough properly skilled workers or proper materials for the timely completion of the work.
  - D. If the Contractor fails to make prompt payment to subcontractors engaged in the performance of the work or for material or labor used in the performance of the work in accordance with the contract documents and applicable law.
  - E. If the Contractor or any subcontractors engaged in the performance of the work persistently disregard laws or ordinances applicable to the performance of the work, or the instructions of the City, the construction manager, the architect, or other authorized representatives of the City.
  - F. For any reason or for no reason, at the City's sole discretion.
2. If the City intends to terminate the Contractor's control of the work for any of the reasons specified in this section, the City will immediately serve written notice to the Contractor and its sureties. Notice of the City's intent to terminate the Contractor's control of the work will be given by certified mail and will specify the grounds for termination, the required cure, if any, and the time by which the cure must be performed. Upon receipt of notice of the City's intent to terminate the Contractor's control

of the work, the Contractor will have ten (10) days from receipt of the notice, or a longer time specified in the notice, to cure its default. If the Contractor does not perform the required cure by the time specified in the notice, the City will issue a written notice of termination to the Contractor and its sureties by certified mail. The notice of termination will specify:

- A. That upon receipt of the notice the Contractor's right to perform or complete the work, including on behalf of the Contractor's sureties, is terminated;
  - B. That the Contractor's sureties will have the right to take over and complete the work and perform all of the Contractor's remaining obligations that have accrued under the agreement;
  - C. That if the Contractor's sureties do not both give the City written notice of their intention to take over and perform the agreement and commence completion of the work and performance of all of the Contractor's remaining obligations that have accrued under the agreement within ten (10) days after receipt of notice of termination, the City may declare the Contractor's sureties in default and take over the completion of the work, or have the work completed for the account and at the expense of the Contractor and its sureties, and the Contractor and its sureties will be liable to the City for any resulting excess cost.
3. The City may, in addition to all other available remedies that the City may have under the contract documents and at law or equity, deduct any such excess cost of completing the work from amounts that are due or that may become due the Contractor.
  4. Upon termination of the Contractor's control of the work, the Contractor will, if so directed by the City, immediately remove from the work site any and all materials and personal property belonging to the Contractor that have not been incorporated in the work and the Contractor and its sureties will be liable upon their bond for all damages caused the City by reason of the Contractor's failure to complete the work.
  5. The City reserves the right to refuse use of any Contractor assigned by any surety to complete the work.
  6. If the City completes or has completed any portion of, or the whole of the work, following termination of the Contractor's control of the work, the City will neither be liable for nor account to the Contractor or the Contractor's sureties in any way for the time within which, or the manner in which such work is performed, or for any changes made in such work or for the money expended in satisfying claims, suits, or other obligations in connection with completing the work.
  7. If, following termination of the Contractor's control, the unpaid balance of the contract price exceeds all costs of completing the work, the difference will be paid to the Contractor.
  8. If the agreement or Contractor's control of the work is terminated for any reason, no allowances or compensation will be granted for the loss of any anticipated profit by the Contractor.

## **6-6 DELAYS AND EXTENSIONS OF TIME.**

### **6-6.4 Written Notice and Report.** *Replace with the following:*

If the Contractor desires payment for a delay as specified in Section 6-6.3 or an extension of time, the Contractor shall, within 15 days after the beginning of the delay, file with the City a written request and report as to the cause and extent of the delay. Said request shall be clearly titled, "Notice of Potential Claim." Failure by the Contractor to file these items within the time specified will be considered grounds for refusal by the City to consider such requests.

Upon receipt of a written request for extension of time or payment, the Engineer shall ascertain the facts and the extent of the delay, and his findings thereon shall be final and conclusive.

## **6-7 TIME OF COMPLETION.**

### **6-7.2 Working Day.** *Add the following:*

Unless otherwise directed or authorized, the Contractor's normal working day activities shall be limited to the hours between 7:00 a.m. and 6:00 p.m., Monday through Friday, excluding designated City holidays and other non-working days.

All work shall be completed within the specified working hours on each working day or the Contractor shall be responsible for payment of inspection overtime at the current inspector's hourly overtime rate, including travel time where applicable, with a minimum charge of one (1) hour.

Working hours for work performed on non-working days (Saturday and Sunday), if permitted by the Engineer, shall be 8:00 a.m. to 6:00 p.m. unless otherwise approved in writing.

No work on holidays or other non-working days will be permitted unless approved in writing by the Engineer.

Deviation from normal working hours will not be allowed without prior written consent of the Engineer. In the event work is allowed by the Engineer outside of the normal working hours, at the written request of and for the benefit of the Contractor, inspection service fees shall be levied against the Contractor at the inspector's current hourly overtime rate, with a minimum charge of four (4) hours. The Contractor shall submit said written request no later than forty-eight (48) hours prior to the proposed work outside of the normal working hours.

The above charge may also be levied if inspection services are deemed necessary by the Engineer as a matter of public safety.

The following are the designated City holidays:

1. January 1 (New Year's Day).
2. The third Monday in January (Martin Luther King Jr.'s Birthday).
3. The second Monday in February (Lincoln's Birthday).
4. The third Monday in February (Washington's Birthday).
5. The last Monday in May (Memorial Day).
6. July 4 (Independence Day).
7. The first Monday in September (Labor Day).
8. November 11 (Veterans' Day).
9. The fourth Thursday in November (Thanksgiving Day).
10. The day after Thanksgiving Day.
11. December 24 (Christmas Eve) through December 31 (New Year's Eve)

When a designated holiday falls on a Saturday, the preceding Friday shall be a designated holiday. When a designated holiday falls on a Sunday, the following Monday shall be a designated holiday.

**Contractor's attention is hereby directed to Section 7-8, "Project Site Maintenance", and Section 7-10, "Public Convenience and Safety", of the Standard Specifications, regarding continuous project site maintenance and mud and dust control being provided 24 hours/day, 7 days/week.**

The Contractor shall not be charged for a working day for days on which the Contractor is prevented by inclement weather or conditions resulting immediately therefrom adverse to the current controlling operation or operations, as determined by the Engineer, from proceeding with at least seventy-five percent (75%) of the normal labor and equipment force engaged on such operation or operations for at least sixty percent (60%) of the total daily time being currently spent on the controlling operation or operations.

Should the Contractor prepare to begin work at the regular starting time of any day on which inclement weather, or the conditions resulting from the weather, or conditions of the work, prevents the work from beginning at the usual starting time and the crew is dismissed as a result thereof, the Contractor will not be charged for a working day whether or not conditions should change thereafter during said day and the major portion of the day could be considered to be suitable for such construction operations.

The current controlling operation or operations is to be construed to include any feature of the work (e.g., an operation or activity, or a settlement or curing period) considered at the time by the Engineer and the Contractor, which, if delayed or prolonged, will delay the time of completion of the contract.

Determination that a day is a non-working day by reason of inclement weather or conditions resulting immediately therefrom shall be made by the Engineer. The Contractor will be allowed 15 days from the issuance of the Weekly Statement of Working Days in which to file a written protest setting forth in what respect Contractor differs from the Engineer, otherwise the decision of the Engineer shall be deemed to have been accepted by the Contractor as correct. The Engineer will furnish the Contractor a weekly statement showing the number of working days charged the preceding week, the number of working days remaining to complete the contract, and the date for completion thereof.

The Contractor will not be allowed any additional working days for any delay that does not affect the critical path as specified in the Contractor's schedule.

**6-8 COMPLETION, ACCEPTANCE, AND WARRANTY.** *Add the following to paragraph two (2):*

Upon acceptance of the work and upon receipt and approval of the required documents (Record Drawing, Final Agreement of Quantities, Maintenance Bonds, Manufacturer Warranties, etc.) The Engineer will have a Notice of Completion recorded with the Alameda County Recorder's Office. All guarantee periods shall commence on date of said recordation.

The following paragraphs replace paragraph three (3) of Section 6-8 of the Standard Specifications:

**GUARANTEE.** The Contractor guarantees all of the work for one year from the date the City accepts the work. Upon receiving written notice of a need for repairs that are directly attributable to defective materials or workmanship, the Contractor must make good any defects arising or discovered in any part of the work by diligently commencing the necessary repairs within seven (7) days from the date of notice from the City. The guarantee and conditions shall be secured by a Maintenance Bond, as described in Section 2-4.

If the Contractor fails to make good any defects in the work in accordance with this provision, in addition to any other available remedy under the contract or at law or equity, the City may make good or have made good such defects in the work and deduct the cost from amounts that may be due or become due the Contractor, and/or call on the Contractor's Maintenance Bond for the cost of making good such defects and for the City's reasonable legal costs, if any, of recovering against the bond.

Notwithstanding the preceding, the Contractor shall remain responsible for repairing any work found to be defective at its sole cost regardless of when such defect is discovered by the City.

In addition to the Contractor's one-year guarantee, and the Contractor's ongoing obligation to repair any defective work, upon completion of the project and as a condition of acceptance of the project, the Contractor must deliver to the Engineer all written manufacturer warranties from manufacturers and/or subcontractors that guarantee and warrant specific products and installations against defects in materials and workmanship for periods following acceptance of the project. Such manufacturer warranties, if required, shall be so indicated in sections under Part 2 "Construction Materials" of the Special Provisions.

**6-9 LIQUIDATED DAMAGES** *Replace with the following:*

Time is of the essence in the Agreement. By execution of the Agreement, the City and the Contractor (and Subcontractors) agree that it will be difficult or impossible to determine the actual damage that the City will sustain in the event of the Contractor's failure to fully perform the work or to fully perform all of the Contractor's obligations that have accrued pursuant to the agreement by the time for completion. Accordingly, the City and the Contractor agree in accordance with California Government Code Section 53069.85 that the Contractor will forfeit and pay to the City liquidated damages in the sum of **\$1,000.00 per day** for each and every calendar day completion of the work or performance of all of the Contractor's obligations that have accrued pursuant to the agreement is delayed beyond the time for completion. The City and the Contractor further agree in accordance with California Government Code Section 53069.85 that the liquidated damages sum specified in this provision is not manifestly unreasonable under the circumstances existing at the time the agreement was made, and that the City may deduct liquidated damages sums in accordance with this provision from any payments due or that may become due the Contractor under the agreement.

In addition, the Contractor shall pay the following sums for the associated liquidated damages:

<b>Failure to provide and/or non-compliance to or violation of accepted construction scheduling and/or phasing, per Section 6-1 and 6-2</b>	<b>\$250.00</b>	<b>per each calendar day</b>
<b>Performance of unauthorized work, per Section 2-6</b>	<b>\$250.00</b>	<b>per each incident</b>
<b>Failure to provide adequate Project Site Maintenance 24/7, per Section 7-8</b>	<b>\$250.00</b>	<b>per each calendar day</b>
<b>Storage of equipment and/or materials in public streets, per Section 7-10.2</b>	<b>\$2500.00</b>	<b>per each calendar day/incident</b>

Each location, incident, non-compliance situation, and/or violation shall be considered separate occurrences and the resulting payments for damages are cumulative (even if occurred on same day).

**6-10 USE OF IMPROVEMENT DURING CONSTRUCTION.** *Add the following:*

Contractor will not be allowed any compensation due to any delay, hindrance, or inconvenience to Contractor's operations caused by City's decision to take over all or part of any completed facility or appurtenance.

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

## SECTION 7 - RESPONSIBILITIES OF THE CONTRACTOR

Contractor's attention is directed to Section 7, "Responsibilities of the Contractor", of the Standard Specifications, except as modified herein.

7-2.2	Laws
7-2.2.1	Hours of Labor
7-2.2.2	Prevailing Wage
7-2.2.4	Payroll Records
7-2.2.5	Labor And Non-Discrimination
7-3	Liability Insurance
7-5	Permits
7-6	The Contractor's Representative
7-8	Work Site Maintenance
7-8.1	General
7-8.1.1	Recycling Of Construction Material
7-8.1.2	Vermin Control
7-8.2	Air Pollution Control
7-8.3	Noise Control
7-8.4	Storage of Equipment and materials
7-8.5	Sanitary Sewer
7-8.6	Water Pollution Control
7-8.6.1	General
7-8.6.4	Dewatering
7-8.6.4.1	Pavement Saw-Cutting Operations
7-8.6.4.2	Pavement Operations
7-8.6.4.3	Concrete Operations
7-8.6.4.4	Grading and Excavation Operations
7-8.6.4.5	Spill Prevention and Control
7-8.6.4.6	Vehicle/Equipment Cleaning
7-8.6.4.7	Contractor Training and Awareness
7-8.6.4.8	Good Housekeeping Practices
7-8.6.4.9	Drainage Control
7-8.6.4.10	Enforcement
7-8.6.5	Payment
7-10	Public Convenience and Safety
7-10.1	Traffic and Access
7-10.1.1	Pedestrian Access
7-10.2	Storage of Equipment and Materials in Public Streets
7-10.2.1	Construction Staging/Stockpile Locations
7-10.3	Street Closures, Detours, and Barricades
7-10.3.1	Restricted Parking
7-10.3.2	Street Closures and Access
7-10.3.3	Traffic Control Plan Requirements
7-10.3.4	Implement Traffic Control
7-10.4	Safety
7-10.4.1	Safety Orders
7-10.4.5	Illness and Injury Prevention Program

### 7-2.2 LABOR.

**7-2.2 Laws.** *This subsections are added:*

**7-2.2.1 Hours of Labor.** Eight hours of labor constitutes a legal day's work. The Contractor shall forfeit, as a penalty to the City, \$25.00 for each worker employed in the execution of the contract by the Contractor or any Subcontractor for each calendar day during which such worker is required or permitted to work more than eight (8) hours in any one calendar day and forty (40) hours in any one calendar week in violation of the provision of the Labor Code, and in particular, Section 1810 to Section 1815, thereof, inclusive, except that work performed by employees of Contractor in excess of eight (8) hours per day, and forty (40) hours during any one week, shall be permitted upon compensation for all hours worked in excess of eight (8) hours per day not less than one and one-half times the basic rate of pay, as provided in said Section 1815.

**7-2.2.2 Prevailing Wage.** The City Council by Resolution No. 77-236 has adopted the general prevailing wage rates determined by the Director of Industrial Relations, State of California, to be part of this contract. The general prevailing wage rates applicable to the County of Alameda are listed in the publication entitled "General Prevailing Wage Rates". This document is hereby made part of this contract by reference. Copies of the current versions of this document are on file in the office of the City Clerk, City Hall, 835 East 14th Street, San Leandro, California.

The City will not recognize any claim for additional compensation because of payment by the Contractor of any wage in excess of the prevailing wage rates set forth in the General Prevailing Wage Rates which is part of this contract. The possibility of wage increases is one element to be considered by the Contractor in determining a bid, and will not under any circumstances be considered as a basis of claim against the City on the contract.

The Contractor shall comply with Labor Code Sections 1774 and 1775. The Contractor shall forfeit, as a penalty, \$50.00 per each calendar day or portion thereof for each worker paid less than the stipulated prevailing rates in violation of the provisions of the Labor Code, and in particular Labor Code Sections 1770 to 1780 inclusive. In addition to said penalty, the difference between such stipulated prevailing wage rates and the amounts paid for each worker paid less than the stipulated prevailing wage rates shall be paid to each of said workers by the Contractor.

**7-2.2.4 Payroll Records.** The Contractor must comply with Labor Code Section 1776. The Contractor shall also be responsible or compliance by all Subcontractors.

The penalties specified in Subdivision (g) of the Labor Code Section 1776 for noncompliance with the provisions of said Section 1776 may be deducted from any monies due or which may become due to the Contractor.

A copy of all payroll shall be submitted with each progress payment application to the Engineer. Payrolls shall contain the full name, address, and social security number of each employee, their correct classification, rate of pay, daily and weekly number of hours worked, itemized deductions made, and actual wages paid. They shall also indicate apprentices and ratio of apprentices to journeymen. The employee's address and social security number need only appear on the first payroll on which their name appears. The payroll shall be accompanied by a "Statement of Compliance" signed by the employer or its agent indicating that the payrolls are correct and complete and that the wage rates contained therein are not less than those required by the contract. The "Statement of Compliance" shall be on forms furnished by the City or on any form with identical wording. The Contractor shall be responsible for submission of copies of payrolls of all subcontractors.

**EFFECT ON PROGRESS PAYMENTS:** If by the 15th of the month, the Contractor has not submitted satisfactory payrolls for all work performed during the monthly period ending on or before the 1st of that month, the City will retain an amount equal to ten percent (10%) of the estimated value of the work performed (exclusive of mobilization) during the month from the next monthly estimate, except that such

retention shall not exceed \$10,000 nor be less than \$1,000. Retentions for failure to submit satisfactory payrolls shall be additional to all other retentions provided for in the contract. The retention for a failure to submit payrolls for any monthly period will be released for payment on the monthly estimate for partial payments following the date that all the satisfactory payrolls for which the retentions were made are submitted.

The Contractor and each subcontractor shall preserve their payroll records for a period of 3 years from the date of the acceptance of the project.

**7-2.2.5 Labor Non-Discrimination.** Contractor shall comply with the Affirmative Action/Non-Discrimination and Equal Employment requirements of the City.

1. During the performance of this contract, Contractor agrees as follows:

- A. Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, sex, sexual orientation, handicap, age, or national origin. Contractor will take affirmative action to ensure that applicants for employment are employed, and that employees are treated equally during employment, without regard to their race, color, religion, handicap, sex, sexual orientation, age, or national origin. Such action shall include but not be limited to the following: employment; upgrading; demotion or transfer; recruitment or recruitment advertising; layoff or termination; rates of pay or other forms of compensation; and selection for training, including apprenticeship.
- B. Contractor will incorporate the above Affirmative Action/Non-Discrimination provisions in all subcontracts for services covered by this contract.
- C. Minority and Female-Owned Business Enterprise. In connection with the performance of this contract, Contractor shall comply with the City's current policies as required by State or Federal Law and/or use its best efforts to obtain the maximum utilization of minority and female-owned business enterprises based in San Leandro and ensure that minority and female-owned enterprises based in San Leandro shall have maximum practicable opportunity for subcontractor work under this contract.
- D. General Employment Provisions Relating to Handicap/Disability Discrimination. No qualified individual with a handicap or disability shall, solely on the basis of such handicap or disability, be subjected to discrimination in employment by Contractor.
- E. Reports. Contractor shall provide such reports and/or documents to City as reasonably requested demonstrating compliance with the terms hereof.
- F. Attention is directed to Section 1735 of the Labor Code, which reads as follows:  
"No discrimination shall be made in the employment of persons upon public works because of the race, religious creed, color, national origin, ancestry, physical handicap, medical condition, marital status, or sex of such persons, except as provided in Section 12940 of the Government Code, and every contractor for public works violating this section is subject to all the penalties imposed for a violation of this chapter."

If the project is funded by fiscal assistance from another governmental entity, Contractor shall comply with all applicable rules and regulations of such fiscal assistance program incorporated into the Special Provisions.

**7-3 LIABILITY INSURANCE** *Replace with the following:*

**1. INSURANCE REQUIREMENTS**

Before beginning any work under this Agreement, Contractor, at its own expense, unless otherwise specified below, shall procure the types and amounts of insurance listed below against claims for injuries to persons or damages to property that may arise from or in connection with the performance of the work hereunder by the Contractor and its agents, representatives, employees, and subcontractors. Consistent with the following provisions, Contractor shall provide proof satisfactory to City of such insurance that meets the requirements of this section and under forms of insurance satisfactory in all respects, and that such insurance is in effect prior to beginning work for the City. Contractor shall maintain the insurance policies required by this section throughout the term of this Agreement. The cost of such insurance shall be included in the Contractor's bid. Contractor shall not allow any subcontractor to commence work on any subcontract until Contractor has obtained all insurance required herein for the subcontractor(s) and provided evidence that such insurance is in effect to City. Verification of the required insurance shall be submitted and made part of this Agreement prior to execution. Contractor shall maintain all required insurance listed herein for the duration of this Agreement.

A. Workers' Compensation. Contractor shall, at its sole cost and expense, maintain Statutory Workers' Compensation Insurance and Employer's Liability Insurance for any and all persons employed directly or indirectly by Contractor. The Statutory Workers' Compensation Insurance and Employer's Liability Insurance shall be provided with limits of not less than **\$1,000,000** per accident. In the alternative, Contractor may rely on a self-insurance program to meet those requirements, but only if the program of self-insurance complies fully with the provisions of the California Labor Code. Determination of whether a self-insurance program meets the standards of the Labor Code shall be solely in the discretion of the Contract Administrator. The insurer, if insurance is provided, or the Contractor, if a program of self-insurance is provided, shall waive all rights of subrogation against the City and its officers, officials, employees, and volunteers for loss arising from work performed under this Agreement.

B. Commercial General and Automobile Liability Insurance.

- 1) General Requirements: Contractor, at its own cost and expense, shall maintain commercial general liability insurance for the term of this Agreement in an amount not less than **\$2,000,000** per occurrence and automobile liability insurance for the term of this Agreement in an amount not less than **\$1,000,000** per occurrence. If a Commercial General Liability Insurance or an Automobile Liability form or other form with a general aggregate limit is used, either the general aggregate limit shall apply separately to the work to be performed under this Agreement or the general aggregate limit shall be at least twice the required occurrence limit. Such coverage shall include but shall not be limited to, protection against claims arising from bodily and personal injury, including death resulting therefrom, and damage to property resulting from activities contemplated under this Agreement, including the use of owned and non-owned automobiles.
- 2) Minimum Scope of Coverage: Commercial general coverage shall be at least as broad as Insurance Services Office Commercial General Liability occurrence form CG 0001 (most recent edition) covering comprehensive General Liability on an "occurrence" basis. Automobile coverage shall be at least as broad as Insurance Services Office Automobile Liability form CA 0001 (most recent edition), Code 1 (any auto). No endorsement shall be attached limiting the coverage.
- 3) Additional Requirements: Each of the following shall be included in the insurance coverage or added as a certified endorsement to the policy:
  - a. The Insurance shall cover an occurrence or on an occurrence basis, and not on a claims-made basis.

- b. City, its officers, officials, employees, and volunteers are to be covered as insureds as respects: liability arising out of work or operations performed by or on behalf of the Contractor; or automobiles owned, leased, hired, or borrowed by the Contractor.
- c. For any claims related to this Agreement or the work hereunder, the Contractor's insurance coverage shall be primary insurance as respects the City, its officers, officials, employees, and volunteers. Any insurance or self-insurance maintained by the City, its officers, officials, employees, or volunteers shall be excess of the Contractor's insurance and shall not contribute with it.
- d. Each insurance policy required by this clause shall be endorsed to state that coverage shall not be canceled by either party, except after 30 days' prior written notice has been provided to the City.

B. Builders Risk Insurance. None Required

C. Environmental Insurance. None Required

E. All Policies and Requirements.

- 1) Acceptability of Insurers: All Insurance required by this section is to be placed with insurers with a Bests' rating of no less than A:VII.
- 2) Verification of Coverage: Prior to beginning any work under this Agreement, Contractor shall furnish City with complete and legible copies of certificates of insurance evidencing all policies delivered to Contractor by the insurer, including complete copies of all endorsements attached to those policies. All copies of certificates of insurance and endorsements shall show the signature of a person authorized by that insurer to bind coverage on its behalf. If the City does not receive the required insurance certificates and endorsements prior to the Contractor beginning work, it shall not waive the Contractor's obligation to provide them. The City reserves the right to require complete copies of all required insurance policies and endorsements at any time.
- 3) Deductibles and Self-Insured Retentions: Contractor shall disclose to and obtain the written approval of City for the self-insured retentions and deductibles before beginning any of the services or work called for by any term of this Agreement. At the option of the City, either: the insurer shall reduce or eliminate such deductibles or self-insured retentions as respects the City, its officers, employees, and volunteers; or the Contractor shall provide a financial guarantee satisfactory to the City guaranteeing payment of losses and related investigations, claim administration and defense expenses.
- 4) Wasting Policies: No policy required by Section 7.3 shall include a "wasting" policy limit (i.e. limit that is eroded by the cost of defense).
- 5) Waiver of Subrogation: Contractor hereby agrees to waive subrogation which any insurer or contractor may require from vendor by virtue of the payment of any loss. Contractor agrees to obtain any endorsements that may be necessary to affect this waiver of subrogation. Also, the Workers' Compensation policy shall be endorsed with a waiver of subrogation in favor of the entity for all work performed by the Contractor, its employees, agents, and subcontractors.
- 6) Subcontractors: Contractor shall include all subcontractors as insureds under its policies or shall furnish separate certificates and endorsements for each subcontractor. All coverages for subcontractors shall be subject to all of the requirements stated herein.

F. Remedies. In addition to any other remedies City may have if Contractor fails to provide or maintain any insurance policies or policy endorsements to the extent and within the time herein required, City may, at its sole option exercise any of the following remedies, which are alternatives to other remedies City may have and are not the exclusive remedy for Contractor's breach:

- Obtain such insurance and deduct and retain the amount of the premiums for such insurance from any sums due under the Agreement;
- Order Contractor to stop work under this Agreement or withhold any payment that becomes due to Contractor hereunder, or both stop work and withhold any payment, until Contractor demonstrates compliance with the requirements hereof; and/or
- Terminate this Agreement.

2. INDEMNIFICATION AND CONTRACTOR'S RESPONSIBILITIES: Contractor shall take all responsibility for the work, shall bear all losses and damages directly or indirectly resulting to Contractor, to any subcontractor, to the City, to City officers and employees, or to parties designated by the City on account of the performance or character of the work, unforeseen difficulties, accidents, occurrences, or other causes predicated on active or passive negligence, or the willful misconduct, of the Contractor or of any subcontractor. Contractor shall indemnify, defend, and hold harmless the City, its officers, officials, directors, employees, and agents from and against any or all loss, liability, expense, claim, costs (including costs of defense), suits, and damages of every kind, nature and description directly or indirectly arising from the performance of the work. This paragraph shall not be construed to exempt the City, its employees, and officers from its own fraud, willful injury or sole active negligence. By execution of this agreement, Contractor acknowledges and agrees that Contractor has read and understands the provisions hereof and that this paragraph is a material element of consideration.

Approval of the insurance contracts does not relieve the Contractor or subcontractors from liability under this paragraph.

- A. Responsibility for Damage. The Contractor is solely responsible to protect the work, including site security, until project acceptance. The Contractor shall have the charge and care of the work, including materials, whether incorporated into the work or not, and shall bear the risk of injury, loss or damage to any part thereof by the action of the elements, vandalism, theft or any other cause, whether arising from the execution or from the non-execution of the work. The City of San Leandro and all officers and employees thereof connected with the work, including but not limited to the Engineer, shall not be answerable or accountable in any manner for any loss or damage that may happen to the Work or any part thereof; for any loss or damage to any of the materials or other things used or employed in performing the Work; for injury to or death of any person, either worker or public; or for damage to the Work or any property from any cause that might have been prevented by the Contractor, Contractor's workers, or anyone employed by the Contractor.
- B. Contractor Response to Potential Claims. In the event damage or injury to persons or property are suffered by a third party (i.e. not City employees, contractors, consultants, subcontractors, volunteers or Contractor's employees, consultants, subcontractors, or invitees) and such third party contacts the City for recovery or restitution for damages, City shall forward such party and all information received from them to Contractor for response. Contractor shall receive such information, and respond to the injured party within seven (7) calendar days, with a copy of the response to City, which could include but is not limited to including, any settlement, compromise or response plan formulated. If the matter remains unresolved, such that City representatives are contacted by the same aggrieved party, or if Contractor shall have rejected the damage claims, then City shall take all reasonable steps to respond to the claim, which may include tendering the damage claim to Contractor pursuant to the Contractor's indemnity clause. Failure of Contractor to be responsive to third party damage claims under this provision may be grounds for breach of contract, wherein remedies of such breach may include but are not limited to withholding of progress payments.

- C. Failure to Maintain Insurance. During the term of this agreement and until final completion and acceptance of the work by the City, the Contractor shall maintain in full force and effect insurance coverage in the forms and amounts specified in the Contract and any Special Provisions. If at any time during the performance of this contract, Contractor fails to maintain any item of required insurance in full force and effect, Contractor shall immediately discontinue all work under the contract and the City will withhold all contract payments due or that become due until notice is received by City that such insurance has been restored in full force and effect and that the premiums therefore have been paid for a period satisfactory to the City. Any delay to the work or the project shall be borne by and attributable to the Contractor and its failure to maintain or adhere to these insurance requirements.
- D. PERS Benefits. In the event that Contractor or any employee, agent, or subcontractor of Contractor providing services under this Agreement is determined by a court of competent jurisdiction or the California Public Employees Retirement System (PERS) to be eligible for enrollment in PERS as an employee of City, Contractor shall indemnify, defend, and hold harmless City for the payment of any employee and/or employer contributions for PERS benefits on behalf of Contractor or its employees, agents, or subcontractors, as well as for the payment of any penalties and interest on such contributions, which would otherwise be the responsibility of the City.

**7-5 PERMITS.** *Add the following:*

CITY PERMITS: Prior to commencement of work, the Contractor shall obtain all applicable permits from the Building and Safety Services Division of the Community Development Department. Contractor will not be required to pay City permit fees. The following City permits are required:

**None**

OTHER PERMITS: Contractor shall obtain and pay for State and County permits, and permits from other jurisdictions that may be required for the project. Contractor shall pay fees associated with such permits. The following State, County, or other agency permits are required for this project:

**None**

The Contractor shall be compensated for the actual costs of permits (without mark-up) under this section, as a change order, upon submittal of receipts.

The Contractor shall comply with all conditions set forth in permits and agreements, and shall bear the full costs of all expenses incurred in such compliance.

The Contractor's attention is directed to Section 2-11 of these Special Provisions regarding the responsibility for required permit inspections.

The Contractor represents and warrants to City that Contractor, and all Subcontractors have all licenses, permits, certified qualifications, and approvals of whatsoever nature that are legally required for Contractor to practice Contractor's profession. Contractor represents and warrants to City that Contractor and all Subcontractors shall, at its sole cost and expense, keep in effect at all times during the term of this agreement any licenses, permits, certified qualifications and approvals that are legally required for Contractor to practice its profession.

Failure to submit said documents and/or certifications shall result in delayed acceptance of any associated City project until these documents are submitted. Only certified persons submitted on job site or project shall be shut down.

CITY BUSINESS LICENSE: The Contractor and all listed Subcontractors shall submit evidence of a current City of San Leandro Business License in accordance with Section 6-1 of these Special Provisions.

**7-6 THE CONTRACTOR'S REPRESENTATIVE.** *Add the following:*

INDEPENDENT CONTRACTOR: At all times during the term of this agreement, Contractor shall be an independent contractor and shall not be an employee of City. City shall have the right to control Contractor only insofar as the results of Contractor's services rendered pursuant to this agreement.

CONTRACTOR NO AGENT: Except as City may specify in writing, Contractor shall have no authority, expressed or implied, to act on behalf of City in any capacity whatsoever as an agent. Contractor shall have no authority, expressed or implied, pursuant to this agreement to bind City to any obligation whatsoever.

ASSIGNMENT PROHIBITED: No party to this agreement may assign any right or obligation pursuant to this agreement. Any attempted or purported assignment of any right or obligation pursuant to this agreement shall be void and of no effect.

REPRESENTATIVE AT WORK SITE: The Contractor's Representative shall be present and immediately available to the Engineer at the work site whenever work (INCLUDING THAT OF SUBCONTRACTORS) is in progress or whenever actions of the elements necessitate Contractor's presence to take measures necessary to protect the work, persons, or property, or provide for the public's convenience. The Contractor's representative shall have full authority to act on Contractor's behalf and shall be a competent full-time non-working superintendent or non-working foreman, satisfactory to the Engineer, to supervise and be responsible for all Contractor and/or subcontractor crews and shall not be directly involved in the performance of the work or tasks at hand. Individual crew superintendent/foreman and/or working superintendent/foreman will not be acceptable.

At the City's option, work may be suspended until the Contractor has complied with this paragraph. Contractor shall not be due additional compensation or working days due to non-compliance with this paragraph.

**7-8 WORK SITE MAINTENANCE.** *Add the following:*

MAINTENANCE REQUIREMENTS: All maintenance requirements, including protection from the elements, site security/protection from vandalism, theft or other cause, shall apply continuously (24 hrs./day, 7 days/week) and shall not be limited to normal working days. Adequate personnel and equipment shall be provided daily. Adjacent properties shall be similarly maintained/protected from the Contractor's operations.

Full compensation for compliance with this Section shall be considered to be included in the contract prices paid for the various items of work and no separate compensation will be made therefore.

**The Contractor shall be subject to liquidated damages per Section 6-9, "Liquidated Damages", of these Special Provisions, for failure to follow the stated directives of this section.**

**7-8.1 General.** *Add the following:*

The Contractor shall install Stabilized Construction Entrance, In accordance with Standard Plan 606, as required to prevent material deposit on roadways.

All excess material shall become the property of the Contractor to be legally disposed of off City property in accordance with Section 7-8.1.1 below.

**7-8.1.1 Recycling of Construction Material.** *This subsection is added:*

All excess material shall become the property of the Contractor. Such material shall be legally handled, transported, and recycled or disposed of off City property in accordance with Chapter 3-7 of the San Leandro Municipal Code “Construction and Demolition Debris Waste Reduction and Recycling Requirements”

Contractor shall recycle all asphalt and concrete waste, as well as recycle 50% of the remaining construction debris. Contractor shall use one of the following methods to recycle debris:

Separate materials on-site and:

- a. Self-haul the materials to a recycling facility -or-
- b. Use debris boxes obtained from the City’s franchised waste hauler

Do not separate materials:

- a. Self-haul mixed loads to a mixed C&D recycling facility -or-
- b. Use a debris box obtained from the City’s franchised waste hauler (Contractor must inform the hauler of the intent to comply with the City of San Leandro’s C&D Ordinance prior to obtaining the box)

Use a State licensed construction clean-up contractor (classification D63) to separate the materials on site and deliver to local recycling facilities.

The following companies are accepted as Mixed C&D recycling facilities for the purpose of this section:

1. Davis Street Transfer Station 2615 Davis St, San Leandro (510) 638-2303	5. Newby Island Landfill 1601 Dixon Landing Rd, Milpitas, (408) 262-1401
2. Fremont Recycling & Transfer Station 41149 Boyce Rd, Fremont, (510) 252-0500	6. Recology of San Francisco 501 Tunnel Ave, San Francisco, (415) 330-1400
3. Vasco Road Landfill & Recycling 4001 N. Vasco Rd, Livermore, (925) 447-0491	7. Zanker Material Processing Facility 675 Los Esteros Rd, San Jose, (408) 263-2384
4. Marin Resource Recovery Center 565 Jacoby St, San Rafael, (415) 485-5646	8. Guadalupe Materials Recovery Facility 15999 Guadalupe Mines Rd, San Jose, (408) 268-1670

Alameda County Industries (ACI) is the franchised waste hauler authorized to provide debris boxes for project locations within the San Leandro Sanitary District portion of the City. ACI contact information:  
510-357-7282  
[www.alamedacountyindustries.com](http://www.alamedacountyindustries.com)

Waste Management (WM) is the franchised waste hauler authorized to provide debris boxes for project locations within the Oro Loma Sanitary District portion of the City (refer to Project Locations for listing of improvements within Oro Loma Sanitary District). WM contact information:  
510-613-8710  
[www.wm.com](http://www.wm.com)

Per sections 3-6-320 and 3-6-340 of the San Leandro Municipal Code, contractors cannot obtain construction & demolition (C&D) debris box service from anyone other than the City’s franchised waste hauler regardless of whether the material is intended for disposal, recycling, composting or otherwise.

Contractor shall demonstrate compliance with this section by completing and submitting a Waste Management Plan online with Green Halo Systems (www.greenhalosystems.com or at 1-888-525-1301). Contractor shall create an account with Green Halo and enter project information within 30 days of the notice to proceed. Contractor shall upload recycling and disposal receipts at least once every 30 days thereafter. Contractor shall complete and submit the waste management report before asserting project completion.

**7-8.1.2 Vermin Control.** *This subsection is added:*

At the time of acceptance, structures entirely constructed under the Contract shall be free of rodents, insects, vermin, and pests. Necessary extermination work shall be arranged and paid for by the Contractor as part of the work within the contract time, and shall be performed by a licensed exterminator in accordance with requirements of governing authorities. The Contractor shall be liable for injury to persons or property and responsible for the elimination of offensive odors resulting from extermination operations.

**7-8.1.3 Temporary Light, Power and Water.** *This subsection is added:*

The Contractor shall furnish, install, maintain, and remove all temporary light, power, and water at its own expense. These include piping, wiring, lamps, and other equipment necessary for the work. The Contractor shall not draw water from any fire hydrant (except to extinguish a fire), without obtaining permission from the water agency concerned.

**7-8.3 Noise Control.** *Add the following:*

The noise level from the Contractor's operations, between the hours of 9:00 p.m. and 6:00 a.m. shall not exceed 89 dBA at a distance of 50 feet. This requirement in no way relieves the Contractor from responsibility for complying with Section 4-1-1115(b) of the San Leandro Municipal Code concerning construction-related noise near residences.

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

**7-8.4 Storage of Equipment and Materials.**

**7-8.4.1 General.** *Add the following:*

Storage and exposure of raw material, by-products, finished products, and containers shall be controlled as described below:

All construction materials shall be stored at least ten feet away from inlets, catch basins, and curb returns. The Contractor shall not allow any material to enter the storm drain system. At the end of each working day, the Contractor shall collect and dispose of all scrap, debris, and waste material.

During wet weather or when rain is in forecast, the Contractor shall store materials that can contaminate rainwater or be transported by storm water or other runoff to the storm drain system inside a building or cover them with a tarp or other waterproof material secured with weighted tires or sandbags to prevent contact with rain.

The Contractor is reminded that storage and disposal of all hazardous materials such as paints, thinners, solvents, and fuel; and all hazardous wastes such as waste oil must meet all federal, state, and local standards and requirements.

**7-8.4.2 Storage in Public Streets.** *Add the following:*

Construction materials shall not be stored in streets, roads, highways, or on public property. All materials or equipment used in construction shall be stored elsewhere by the Contractor at its expense. All materials shall be stored in accordance with Section 7-8.4 of these Special Provisions.

Construction equipment shall not be stored at the work site except during its actual use on the work. Excavated material shall not be stored in public streets unless otherwise permitted. All excess material shall be removed immediately from the site.

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

**7-8.4.3 Construction Staging/Stockpiling Location.** *This subsection is added:*

The Contractor shall secure for use during the duration of the project, property equipment storage for stockpiling materials and other construction related activities. The Contractor shall submit a letter indicating the staging area location, the property owner's name, address, and phone number, and the owner's signed consent for the use of the property for the duration of the project. Prior to property owner granting permission for occupancy, a Use Permit indicating proper zoning shall be obtained from the City's Community Development Department, Planning Division in accordance with Section 7-5 of these Special Provisions. Contractor shall be subject to trespassing laws for non compliance to these provisions.

**7-8.5 Sanitary Sewers.** *Add the following:*

Contractor is also required to comply with Section 5-2 of these Special Provisions regarding any interruption of sanitary sewer services.

**7-8.6 Water Pollution Control.**

**7-8.6.1 General.** *Add the following:*

The intent of these requirements is to enforce federal, state, and other local agency regulations that prohibit storm water pollution at construction sites. Storm drains discharge directly to creeks and the San Francisco Bay without treatment, and therefore, discharge of pollutants (i.e., any substance, material, or waste other than uncontaminated storm water) into the storm drain system is strictly prohibited.

The Contractor's attention is directed to Section 7-8.6.4.9 of these Special Provisions.

In this section, the term "storm drain system" shall include storm water conduits, storm drain inlets and other storm drain structures, street gutters, channels, watercourses, creeks, lakes, and the San Francisco Bay.

For the purpose of eliminating storm water pollution, the Contractor shall implement effective control measures at construction sites. There are several publications that provide guidance on selecting and implementing effective control measures known as Best Management Practices (BMPs). BMPs include schedules of activities, prohibition of practices, general good housekeeping practices, operational practices, pollution prevention practices, maintenance procedures, and other management procedures to prevent the discharge of pollutants directly or indirectly to the storm drain system. BMPs also include the

construction of some facilities that may be required to prevent, control, and abate storm water pollution. The reference publications are as follows:

California Storm Water Best Management Practice Handbook - Industrial/Commercial  
California Storm Water Best Management Practice Handbook - Construction Activity

These handbooks may be purchased from Blue Print Service (BPS), 1700 Jefferson St., Oakland, California 94612.

**7-8.6.4 Dewtering.** *Add the following:*

Prior to discharging into the storm drain system, all rainwater and groundwater removed from the Work site shall be de-silted through filtering materials and methods meeting the Association of Bay Area Governments (ABAG) Standards for Erosion and Sediment Control Measures and/or through methods and procedures described in the California Storm Water Best Management Practice Handbook—Construction Activity (latest edition).

The Contractor shall reuse the water for other needs, such as dust control and irrigation, to the maximum extent practicable.

**7-8.6.4.1 Pavement Saw-Cutting Operations.** *This subsection is added:*

The Contractor shall prevent any saw-cutting debris from entering the storm drain system. The Contractor, preferably, shall use dry cutting techniques and sweep up residue. If wet methods are used, the Contractor shall vacuum slurry as cutting proceeds or collect all wastewater by constructing a sandbag sediment barrier. The bermed area shall be of adequate size to collect all wastewater and solids. The Contractor shall allow collected water to evaporate if the wastewater volume is minimal and if maintaining the ponding area does not interfere with public use of the street area or create a safety hazard. If approved by the Engineer, the Contractor may direct or pump saw-cutting wastewater to a dirt area and allow to infiltrate. The dirt area shall be adequate to contain all the wastewater. After wastewater has infiltrated, all remaining saw-cutting residue must be removed and disposed of properly. With the approval of the Engineer, de-silted water may be pumped to the sanitary sewer to assist in the evaporation or infiltration process. Remaining silt and debris from the ponding or bermed area shall be removed or vacuumed and disposed of properly. If a suitable dirt area is not available or discharge to the sanitary sewer is not feasible, with the approval of the Engineer, the Contractor shall filter the saw-cutting wastewater through filtering materials and methods meeting ABAG Standards for Erosion and Sediment Control Measures (latest edition) before discharging to the storm drain.

**7-8.6.4.2 Pavement Operations.** *This subsection is added:*

The Contractor shall prevent the discharge of pollutants from paving operations by using measures to prevent run-on and runoff pollution, properly disposing of wastes, and by implementing and following Best Management Practices:

No paving or street sealing during wet weather.

Store materials as required under Sections 7-8.4 and 7-10.2 of these Special Provisions

Cover inlets and manholes when applying asphalt, seal coat, tack coat, slurry seal, fog seal, etc.

Place drip pans or absorbent materials under paving equipment when not in use. During wet weather, store contaminated paving equipment indoors or cover with tarp or other waterproof covering.

Sweep site daily to prevent sand, gravel, or excess asphalt from entering or being transported by rain into the storm drain system.

Keep ample supplies of drip pans or absorbent materials on-site.

If paving involves Portland cement concrete, refer to Section 7-8.6.4.3 of these Special Provisions.

**7-8.6.4.3 Concrete Operations.** *This subsection is added:*

The Contractor shall prevent the discharge of pollutants from concrete operations by using measures to prevent run-on and runoff pollution, properly disposing of wastes, and by implementing and following Best Management Practices:

Store all materials in waterproof containers or under cover away from drain inlets or drainage areas.

Avoid mixing excess amounts of Portland cement materials.

Do not wash out concrete trucks into storm drains, open ditches, streets, streams, etc. Whenever possible, perform washout of concrete trucks offsite where discharge is controlled and not permitted to discharge to the storm drain system. For onsite washout:

Locate washout area at least 50 feet from storm drains, open ditches, or other water bodies, preferably in a dirt area. Prevent runoff from this area by constructing a temporary pit or bermed area large enough for the liquid and solid waste.

Wash out concrete wastes into the temporary pit where the concrete can set, be broken up, and then be disposed of properly. If the volume of water is greater than what will allow concrete to set, allow the wash water to infiltrate and/or evaporate, if possible. Otherwise, allow water to settle, filter it, and then pump it to the sanitary sewer with approval from the Engineer. Remove or vacuum the remaining silt and debris from the ponding or bermed area and dispose of it properly.

Dispose of wastewater from washing of exposed aggregate to dirt area. The dirt area shall be adequate to contain all the wastewater, and once the wastewater has infiltrated, any remaining residue must be removed. If a suitable dirt area is not available, then the Contractor shall filter the wash water through straw bales or other filtering materials meeting ABAG Standards for Erosion and Sediment Control Measures before discharging to the sanitary sewer with approval from the Engineer.

Collect and return sweepings from exposed aggregate concrete to a stockpile or dispose of the waste in a trash container.

**7-8.6.4.4 Grading and Excavation Operations.** *This subsection is added:*

The Contractor shall take all reasonable and adequate measures to protect the Work and shall exercise sound engineering and construction practices in the conduct of the Work and shall implement sedimentation and erosion control measures to prevent sediments or excavated material from entering the storm drain system. The Work site shall be maintained to facilitate continual drainage avoiding impoundment, ponding or puddling of storm runoff, preventing any damage to excavations, subgrade, or materials incorporated into the Work. Any impounded water shall be immediately pumped from the site in accordance with the following. The Contractor is solely responsible for repairs or replacement for any damage caused by his failure for compliance to this section, including negative impacts to adjacent property.

The erosion and sedimentation control materials and methods shall be in accordance with ABAG Standards for Erosion and Sediment Control Measures and/or the procedures and methods described in the California Storm Water Best Management Practice Handbook—Construction Activity (latest edition).

At a minimum, the Contractor shall install filter materials (such as sandbags, filter fabric, etc.) at the storm drain inlet(s) located in and downstream of the project site between October 15 and April 15, and when rain is forecast within 24 hours. The Contractor shall install filter materials or seal all surface inlet openings during the dry season if there is potential for sediment or excavated material to be discharged to the storm drain system during the construction operation (e.g., sediments and debris tracked by construction vehicles, windblown, or transported by other runoff). The storm drain inlets shall be sealed in such a manner that they can be opened in an emergency and unblocked at the end of each working day so that no property is damaged as a result of accidents or other overflows.

Sedimentation and erosion control/filter materials shall be placed in a manner that will prevent any debris or sediment from flowing into the storm drain system. Said materials or control devices shall also be maintained and/or replaced as necessary to ensure effective sediment control and prevent flooding.

**7-8.6.4.5 Spill Prevention and Control.** *This subsection is added:*

The Contractor shall take any and all precautions to prevent accidental spills during the work under this contract. However, in the event of a spill:

The Contractor shall immediately contain and prevent leaks and spills from entering the storm drain system, and properly clean up and dispose of the waste and clean up materials. If waste is hazardous, the Contractor shall comply with all federal, state, and local hazardous waste requirements.

The Contractor shall not wash any spilled material into the streets, gutters, storm drains, or creeks.

The Contractor shall report any hazardous materials spills immediately to the San Leandro Fire Department, the Alameda County Hazardous Materials Division, and other state and local agencies as required by state and local regulations.

**7-8.6.4.6 Vehicle/Equipment Cleaning.** *This subsection is added:*

The Contractor shall not perform vehicle or equipment cleaning on-site or in the street using soaps, solvents, de-greasers, steam cleaning equipment, or equivalent methods. The Contractor shall perform vehicle or equipment cleaning with water only in a designated, bermed area that will not allow rinse water to run offsite or into the storm drain system. The rinse water shall be permitted to infiltrate into a dirt area or shall be discharged to the sanitary sewer with the approval of the Engineer.

The Contractor shall dispose of wash water from the cleaning of water based paint equipment and tools in the sanitary sewer.

If using oil based paint, to the maximum extent practicable, the Contractor shall filter the paint thinner and solvents for reuse, and dispose of the waste thinner, solvent, and sludge from cleaning of equipment and tools as hazardous waste.

**7-8.6.4.7 Contractor Training and Awareness.** *This subsection is added:*

The Contractor shall train all employees on the water pollution prevention requirements contained in these specifications. The Contractor shall inform all subcontractors of the water pollution prevention contract requirements and include appropriate subcontract provisions to ensure that these requirements are met.

**7-8.6.4.8 Good house Keeping Practices.** *This subsection is added:*

The Contractor shall implement the following applicable good housekeeping practices:

Store materials that have the potential to be transported to the storm drain system, by storm runoff or by a spill, under cover in a contained area or in sealed waterproof containers.

Use tarps on the ground to collect fallen debris or splatters that could contribute to storm water pollution.

Secure opened bags of cement and of other light or powdered materials that can be transported by wind.

Pick up litter, construction debris, and other wastes daily from outside areas including the sidewalk area, gutter, street pavement, and storm drains impacted by the project. All wastes shall be stored in covered containers or disposed of or recycled immediately.

Dispose of wash water to the sanitary sewer with the approval of the Engineer or recycle wash water. Refer to Section 7-8.6.4.6 of these Special Provisions.

Inspect vehicles and equipment arriving on-site for leaking fluids, and promptly repair leaking vehicles and equipment. Use drip pans to catch leaks until repairs are made.

Avoid spills by handling materials carefully. Keep a stockpile of spill materials, such as rags or absorbents, readily accessible onsite. Clean up all spills immediately to prevent any material from being discharged to the storm drain system. Refer to Section 7-8.6.4.5 of these Special Provisions.

Train employees regularly on good housekeeping practices and BMPs. Assign responsibility to specific employees on BMPs, good housekeeping practices, and what to do in the event of a spill. Refer to 7-8.6.4.7 of these Special Provisions.

Maintain and replace all sediment and water pollution control devices as necessary to ensure that said controls are working effectively (e.g., inspect all sediment ponds or sandbag sedimentation/filtering systems after each rain, and remove accumulated sediment and debris, and replace or repair damaged sandbags immediately).

**7-8.6.4.9 Drainage Control.** *This subsection is added:*

The Contractor shall maintain drainage within and through the Work areas. Earth dams will not be permitted in paved areas. Temporary dams of sandbags, asphaltic concrete, or other acceptable material will be permitted when necessary. Such dams shall be removed from the site as soon as their use is no longer necessary. Any impounded water shall be immediately pumped from the site. The Contractor is solely responsible for repairs or replacement for any damage caused by his failure for compliance to this Section.

The Contractor's attention is directed to Section 7-8.6.4.4 of these Special Provisions.

**7-8.6.4.10 Enforcement.** *This subsection is added:*

The City has the authority, through various sections of the San Leandro Municipal Code, to enforce any portion of this Section. City enforcement may include, but is not limited to: citations, orders to abate, bills for City cleanup costs and administration, civil suits, and criminal charges. Enforcement action by the City does not void or suspend any enforcement actions by other agencies.

**7-8.6.5 Payment.** *Add the following:*

Unless a separate pay item is provided in the bid schedule, full compensation for compliance with this Section shall be considered to be included in the contract prices paid for various items of work and no separate compensation will be made therefore.

**7-9 PROTECTION AND RESTORATION OF EXISTING IMPROVEMENTS.** *Add the following:*

Contractor shall not remove any parking meters with his forces. If the work requires removal of any parking meters, Contractor shall give the Engineer a written request indicating which meters are to be removed. City will remove the meters within 72 hours of receiving the notice. City shall only remove the head. Contractor shall remove the pole, base, and foundation (if any).

**7-10 PUBLIC CONVENIENCE AND SAFETY.**

**7-10.1 Traffic and Access.** *Add the following:*

The Contractor's attention is directed to Standard Plan 610 showing truck routes in the City of San Leandro.

Contractor shall not obstruct public pedestrian pathways with construction material or equipment.

**7-10.1.1 Pedestrian Access.** *This subsection is added:*

Pedestrian travel shall be maintained at all times along one side of the street (or streets) under construction. All temporary pedestrian walkways shall be at least 4 feet wide and fully accessible to handicapped pedestrians in accordance with the Americans with Disabilities Act and California Title 24. In all cases, pedestrian walkways shall be separated from vehicular travel by a clear area of at least 6 feet, or in locations where 6 feet of horizontal separation for pedestrian traffic is not feasible, by raised curb, a raised wooden walkway with standard railings, or by K rails. This condition may be modified or waived by the Engineer upon written request by the Contractor. Provisions to activate pedestrian signal indications will be made in all instances where pedestrian access to the existing pedestrian push-button cannot be maintained. Existing lighting levels in the area prior to construction shall be maintained during construction.

Full compensation for compliance with this section shall be considered to be included in the contract price for traffic control and no separate payment will be made therefore. When the contract does not include a contract pay item for traffic control, full compensation for compliance with this section shall be considered to be included in the prices for the various contract items of work involved and no additional compensation will be allowed therefore.

**7-10.1.2 Public Notification.** *This subsection is added:*

The Contractor shall provide door hangers or flyers to inform adjacent homeowners, tenants, and businesses of any work, no parking zones, street closures, detours, or barricades that are to occur on their street. Door hangers or flyers are to be submitted at the pre-construction meeting in accordance with Section 6-1 for review. The Contractor shall only distribute flyers approved by the Engineer. Door hangers shall be a minimum of 3 inches by 11 inches and flyers are to be a minimum of 8-1/2 inches by 11 inches. Contractor shall re-notify public immediately upon any cancellation or revision in schedule, including changes caused by inclement weather.

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

**7-10.2.1 Construction Staging/Stockpiling Location.**

The Contractor shall secure for use during the duration of the project, property equipment storage for stockpiling materials and other construction related activities. The Contractor shall submit a letter indicating the staging area location, the property owner's name, address, and phone number, and the owner's signed consent for the use of the property for the duration of the project. Prior to property owner granting permission for occupancy, a Use Permit indicating proper zoning shall be obtained from the City's Community Development Department, Planning Division in accordance with Section 7-5 of these Special Provisions. Contractor shall be subject to trespassing laws for non compliance to these provisions.

**7-10.3 STREET CLOSURES, DETOURS, BARRICADES.** *This following subsections are added:*

**7-10.3.1 Restricted parking.**

The Contractor may establish "No Parking" zones contiguous to the work area by posting signs supplied by the City as follows:

- Only City signs, marked with broad tip marker pen.
- Signs shall be placed at less than 100-foot spacings.
- Signs shall be placed a minimum of 72 hours, and a maximum of 96 hours, in advance of the required restriction period.
- Signs shall be accurately dated ONLY for the actual duration of the specific task(s) at hand.
- Signs shall be placed ONLY along frontages directly affected by the work or as required for public safety.
- Signs shall be re-posted/re-dated immediately due to revisions of schedule, including changes caused by inclement weather.
- Signs and barricades shall be removed immediately upon expiration of the dated duration of the work.

The City will enforce parking restrictions ONLY when the Contractor has properly posted the signs and has notified the Engineer a minimum of 72 hours in advance of the requested restriction period.

**7-10.3.2 Street Closures and Access.**

Access for local residents and businesses and all private property shall be maintained at all times. Signs indicating "Open for Business" shall be placed in front of commercial and industrial driveways to allow continual access. At the end of each working day, these streets shall be reopened to through traffic with proper barricades, warning devices, and temporary striping. The Contractor shall furnish and maintain all signs, lights, barricades, and flaggers necessary as determined by the Engineer. If these streets are closed, the Contractor shall proceed expeditiously and with consideration for public convenience from the start of work to its completion.

Lane closures shall conform shall be in accordance with the requirements of these Special Provisions, and the Lane Closure chart(s) included in this section.

**7-10.3.3 Traffic Control Plan Requirements.**

The Contractor shall submit Traffic Control Plan(s) conforming to the 2012 California Manual on Uniform Traffic Control Devices for Streets and Highways (2012 CA MUTCD), and the requirements of

these Special Provisions for acceptance by the Engineer. The submittal of Traffic Control Plans shall conform to the requirements of Section 2.5.3, "Submittals".

A detailed traffic control plan is required for work being performed on a roadway listed in the City's Standard Plans No. 608A, B and C, or if required in a lane closure chart. If a roadway is not listed, a formal plan submittal is not required; however, all temporary traffic controls must conform to all other requirements of this section.

Unless otherwise provided for in the specifications, the Contractor shall provide:

- A minimum of one paved traffic lane, which shall not be less than ten (10) feet in width for use by public traffic unless otherwise approved by the Engineer.
- All work shall be phased to allow adequate parking within 1,000 feet of each residential unit, each industrial unit, and each commercial unit.
- All work on arterial and collector streets and streets with industrial and commercial uses shall be phased longitudinally (1/2 street closed at a time).
- No two adjacent streets shall be closed or parking restricted at the same time.

Except as otherwise provided in the lane closure chart(s):

- No work that interferes with public traffic on collector and arterial roadways shall be performed between the hours of 6:00 a.m. to 9:00 a.m., nor between 3:00 p.m. and 6:00 p.m., unless approved by the Engineer.

The full width of the traveled way shall be open for use by public traffic on Saturdays, Sundays, and designated legal holidays; after 3:00 p.m. on Fridays, and the day proceeding designated legal holidays; and when construction operations are not actively in progress, unless approved by the Engineer.

#### **7-10.3.4 Implement Traffic Control.**

The Contractor shall notify the following daily of closures, detours, etc.:

San Leandro Police Department (510) 577-3208  
Alameda County Fire Department (510) 670-5858  
Paramedics Plus (510) 746-5700  
A. C. Transit (510) 891-4901 (if applicable)

The Contractors attention is directed to City Standard Plan 610 for the City of San Leandro Truck Route Map.

The Contractor shall furnish and maintain all signs, lights, barricades, and flaggers necessary as determined by the Engineer. Flaggers shall be trained in the proper fundamentals of flagging traffic before being assigned as flaggers and shall perform **their** duties in accordance with the 2012 CA MUTCD and shall be so certified in accordance with California Code of Regulations (CCR), Title 8, Section 1599.

Traffic control devices shall conform to the 2012 CA MUTCD. Any signs or other protective devices furnished and erected by the Contractor, as above provided, shall not obscure the visibility of, nor conflict in intent, meaning, and function of either existing signs, lights, and traffic control devices for which furnishing of or payment for, is provided elsewhere in the specifications. Signs furnished and erected by the Contractor at Contractor's expense shall be approved by the Engineer as to size, wording, and

location. All signs and traffic control devices shall be removed immediately upon completion, and any improvements restored to their original conditions.

Construction equipment shall enter and leave the construction area in the direction of public traffic. All movements of workers and construction equipment on or across lanes open to public traffic shall be performed in a manner that will not endanger the public.

When traffic cones or delineators are used to delineate a temporary edge of traffic lane, the line of cones or delineators shall be considered to be the edge of traffic lane, however, the Contractor shall not reduce the width of an existing lane to less than ten (10) feet without written approval from the Engineer. The lane closure provisions of this section shall not apply if the work area is protected by permanent or temporary railing or barrier.

When work is not in progress on a trench or other excavation that requires a lane closure, the traffic cones or portable delineators used for the lane closure shall be placed off of and adjacent to the edge of the traveled way. The spacing of the cones or delineators shall be not less than the spacing used for the lane closures.

All barricades shall have operating warning lights. Barricades shall be placed twenty (20) feet center-to-center maximum.

If a hazardous condition is observed and the City notifies the Contractor either directly or by telephone, the Contractor shall correct the condition immediately. If the Contractor fails to correct the hazardous condition immediately, the City reserves the right to install or have installed the necessary traffic control devices. The cost involved shall be deducted from any money due or to become due to the Contractor.

Full compensation for compliance with this section shall be considered as included in the contract price paid for traffic control and/or construction area signs and no separate payment will be made therefore. When the contract does not include a contract pay item for traffic control, and/or construction area signs, full compensation for any necessary traffic control and/or construction area signs shall be considered as included in the prices for the various contract items of work involved and no additional compensation will be allowed therefore.

**Failure to provide a Traffic Control Plan prior to commencing work or failure to adhere to the accepted Traffic Control Plan shall subject Contractor to liquidated damages in accordance with Section 6-9, "Liquidated Damages", of these Special Provisions.**

**7-10.4 SAFETY.** *Add the following:*

It is the Contractor's responsibility to provide for the safety of traffic and the public.

Whenever the Contractor's operations create a condition hazardous to traffic or to the public, Contractor shall, at its sole expense, furnish, erect, and maintain such fences, temporary railing, barricades, lights, signs, and other devices, and take such other protective measures as are necessary to prevent accidents, damage, or injury to the public. Such fences, temporary railing, barricades, lights, signs, and other devices furnished, erected, and maintained by the Contractor, at Contractor's expense, are in addition to any construction area traffic control devices for which payment is provided for elsewhere in the Specifications.

In addition to any other measure taken by the Contractor pursuant to the provisions of this section, the Contractor shall install temporary railing (Type K) between any lanes carrying public traffic and any excavation, obstacle, or storage area when the following conditions exist:

1. Excavations. Any excavation the near edge of which is six feet (6') or less from the edge of the lane, except:
  - A. Excavations covered with sheet steel or concrete covers of adequate thickness to prevent accidental entry to traffic or the public;
  - B. Excavations less than six inches (6") in depth;
  - C. Trenches less than one foot (1') wide for irrigation pipe or electrical conduit or other pipelines less than one foot (1') in diameter;
  - D. Excavations parallel to the lane for the purpose of pavement widening or reconstruction open for less than seven (7) calendar days;
  - E. Excavations in side slopes, where the slope is 4:1 (Horizontal:Vertical) or flatter;
  - F. Excavations protected by existing barrier or railing.
2. Temporarily Unprotected Permanent Obstacles. Whenever the work includes the installation of a fixed obstacle together with a protective system, such as a sign structure together with protective railing, and the Contractor elects to install the obstacle prior to installing the protective system; or whenever the Contractor, for Contractor's convenience and with permission of the Engineer, removes a portion of an existing protective railing at an obstacle and does not replace such railing complete in place during the same day.
3. Storage Areas. Whenever material or equipment is stored within 12 feet (12') of the lane and such storage is not otherwise prohibited by the specifications.

**7-10.4.1 Safety Orders.** *Add the following:*

Notwithstanding any provisions of the Standard Specifications and the Special Provisions, the Contractor shall be solely responsible for conditions at the job site, including safety of all persons and property during performance of the work. This requirement will apply continuously and will not be limited to normal working hours. Safety and sanitary provisions shall conform to applicable Federal, State, County, and local laws, regulations, ordinances, standards, and codes. Where any of these are in conflict, the more stringent requirement shall be followed.

**7-10.4.5 Injury and Illness Prevention Program.** *This subsection is added:*

To the fullest extent legally required and applicable, Contractor shall have an Injury and Illness Prevention Program (IIPP) that conforms to all applicable federal, state and local laws, and shall provide a copy of its current version to the City upon request.

## SECTION 8 - FACILITIES FOR AGENCY PERSONNEL

Contractor's attention is directed to Section 8, "Facilities for Agency Personnel", of the Standard Specifications.

### 8-1 General

**8-1 GENERAL.** *Add the following:*

The Engineer must be given full access to any Contractor-provided facilities located on the project site at all times. The Contractor has no expectation of privacy with respect to these facilities.

## SECTION 9 - MEASUREMENT AND PAYMENT

Contractor's attention is directed to Section 9, "Measurement and Payment", of the Standard Specifications.

- 9-3 Payments
- 9-3.1 General
- 9-3.2 Partial And Final Payment
- 9-3.3 Delivered Materials
- 9-3.4 Mobilization
- 9-3.5 Audit And Examination Of Records
- 9-4 False Claims Act Certification

### 9-3 PAYMENT

#### 9-3.1 General.

*Paragraph 8 is revised as follows:*

All guarantee periods shall commence on the date the Notice of Completion is recorded with the Alameda County Recorder's Office.

*Paragraph 10 is revised as follows:*

At the expiration of 35 days from the date of recordation of the Notice of Completion by City, or within the time period specified in Public Contracts Code Section 7107, the amount deducted from the final estimate and retained by the City will be paid to the Contractor, except such amounts as are required by law to be withheld by properly executed and filed notices to stop payment, or as may be authorized by the contract to be further retained.

#### **9-3.1.1 Final Pay Items.** *This subsection is added:*

Items of work designated on the unit price schedule as (F) or "Final Quantity" are designated as Final Pay items.

Payment equal to the total price in the Contract Price Schedule for Final Pay items will be the total payment made for the work described in the plans and specifications, regardless of whether or not the quantity of the actual work equals the estimated quantity in the contract price schedule.

The Engineer reserves the right to make changes to the plans and specifications in accordance with Section 3-2.1.1 CHANGES INITIATED BY THE CITY. If a change in the Contract Documents results in a change in dimensions of work that includes a Final Pay item, then the total payment for that item will be adjusted either upward or downward by the product of the unit price bid and the change in quantity of the item due to the change in dimensions.

#### **9-3.2 Partial and Final Payment.** *The third paragraph is replaced with the following:*

From each progress estimate, 5 percent will be deducted and retained by the Agency, and the remainder less the amount of all previous payments will be paid.

*Add the following:*

**PARTIAL PAYMENT:** No payments shall be required to be made when, in the judgment of the Engineer, the:

- Work is not proceeding in accordance with the provisions of the contract, updated construction schedules, and traffic control plans;
- Updated record drawings are not provided with the application for payment;
- Contractor or subcontractors have not provided proof of valid City of San Leandro Business Licenses;
- Certified Payrolls are not provided per Section 7-2.2.4;
- Total value for the work done since the last payment amounts to less than \$1,000;
- Contractor has not submitted a request for payment.

**FINAL PAYMENT:** After acceptance by the Engineer, pursuant to Section 6-8 of the Standard Specifications, the City shall prepare a proposed Final Agreement of Quantities for the total amount payable to the Contractor, including therein an itemization of said amount, segregated as to contract item quantities, extra work, and any other basis for payment. All prior payments shall be subject to correction in the proposed Final Agreement of Quantities. Within thirty (30) days after said proposed Final Agreement of Quantities has been submitted to Contractor, the Contractor shall submit to the Engineer the written approval of said proposed Final Agreement of Quantities or a written statement of all claims Contractor has arising under or by virtue of the contract. No claim will be considered that was not included in said written statement of claims, nor will any claim be allowed for which a notice or protest is required under the provisions of the contract, unless the Contractor has complied with the notice or protest requirements in said contract.

Thirty-five (35) days after the recordation of the Notice of Completion, the City will pay the entire sum found due based on the proposed Final Agreement of Quantities submitted to the Contractor. Such Final Agreement of Quantities and payment thereon shall be conclusive and binding against both parties to the contract on all questions relating to the amount of work done and the compensation payable therefore.

If the Contractor within said period of thirty (30) days files claims, the Engineer will issue a semifinal estimate in accordance with the proposed Final Agreement of Quantities submitted to the Contractor and pay the sum so found to be due. Such semifinal estimate and payment thereon shall be conclusive and binding against both parties to the contract on all questions relating to the amount of work done and the compensation payable therefore, except insofar as affected by the claims filed within the time and in the manner required.

The claims filed by the Contractor shall be in sufficient detail to enable the Engineer to ascertain the basis and amount of said claims. The Engineer will consider and determine the Contractor's claims and it will be the responsibility of the Contractor to furnish within a reasonable time such further information and details as may be required by the Engineer to determine the facts or contentions involved in the claims. Failure to submit such information and details will be sufficient cause for denying the claims.

The Engineer will make the final determination of any claims that remain in dispute after completion of claim review and make a written recommendation thereon. The Contractor may meet with the Engineer to make a presentation in support of such claims. If any claims remain in dispute, they shall be handled in accordance with Section 3-5, "Disputed Work".

**9-3.3 Delivered Materials.** *Replace with the following:*

The cost of materials and equipment purchased and not incorporated into the work shall NOT be reimbursed.

**9-3.4 Mobilization.** *Add the following:*

Mobilization shall consist of preparatory work and operations, including, but not limited to, those necessary for the movement of personnel, equipment, supplies, and incidentals to the project site; for the establishment of all offices, buildings, and other facilities necessary for work on the project; and for all other work and operations that must be performed or costs incurred prior to beginning work on the various contract items on the project site.

When the contract has a lump sum price paid for mobilization, it shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all the work involved in mobilization as specified above. Partial payments for mobilization shall be made as follows:

1. When the monthly partial payment estimate of the amount earned, not including the amount earned for mobilization, is 5 percent (5%) or more of the original contract amount, 50 percent (50%) of the contract item price for mobilization or 5 percent (5%) of the original contract amount, whichever is the lesser, will be included in said estimate for payment.
2. When the monthly partial payment estimate of the amount earned, not including the amount earned for mobilization, is 10 percent (10%) or more of the original contract amount, the total amount earned for mobilization shall be 75 percent (75%) of the contract item price for mobilization, or 7.5 percent (7.5%) of the original contract amount, whichever is lesser, and said amount will be included in said estimate for payment.
3. When the monthly partial payment estimate of the amount earned, not including the amount earned for mobilization, is 20 percent (20%) or more of the original contract amount, the total amount earned for mobilization shall be 95 percent (95%) of the contract item price for mobilization, or 9.5 percent (9.5%) of the original contract amount, whichever is the lesser, and said amount will be included in said estimate for payment.
4. When the monthly partial payment estimate of the amount earned, not including the amount earned for mobilization, is 50 percent (50%) or more of the original contract amount, the total amount earned for mobilization shall be 100 percent (100%) of the contract item price for mobilization, or 10 percent (10%) of the original contract amount, whichever is lesser, and said amount will be included in said estimate for payment.
5. After acceptance of the contract pursuant to Section 6-8 of the Standard Specifications, the amount, if any, of the contract item price for mobilization in excess of 10 percent (10%) of the original contract amount will be included for payment in accordance with said Section 9-3.2 of the Special Provisions.
6. When the contract does not include a contract pay item for mobilization, full compensation for any necessary mobilization required shall be considered to be included in the prices for the various contract items of work involved and no additional compensation will be allowed therefore.

**9-3.5 Audit and Examination of Records.** The City may examine and audit at no additional cost to the City all books, estimates, records, contracts, documents, bid documents, bid cost data, subcontract job cost reports, and other project-related data of the Contractor, subcontractors engaged in performance of

the work, and suppliers providing supplies, equipment, and other materials required for the work, including computations and projections related to bidding, negotiating, pricing, or performing the work or contract modifications and other materials concerning the work, including, but not limited to, Contractor daily logs, in order to evaluate the accuracy, completeness, and currency of cost, pricing, scheduling, and any other project related data. The Contractor will make available all such project-related data during regular business hours for examination, audit, or reproduction at the Contractor's business office at or near the work site, and at any other location where such project-related data may be kept until three (3) years after final payment under the agreement. Pursuant to California Government Code Section 8546.7, if the amount of public funds to be expended is in excess of \$10,000, this agreement shall be subject to the examination and audit of the State Auditor, at the request of the City, or as part of any audit of the City, for a period of three (3) years after final payment under the agreement.

**9-4 FALSE CLAIMS ACT CERTIFICATION.** *This subsection is added:*

All requests for payment submitted by the Contractor, and any claim for additional compensation must be accompanied by the following declaration:

“I, \_\_\_\_\_, being the \_\_\_\_\_ of \_\_\_\_\_ (Contractor), declare under penalty of perjury under the laws of the State of California, and do personally certify and attest that: I have thoroughly reviewed the attached request for payment and know its contents, and said request for payment is made in good faith; that it is supported by truthful and accurate data; that the amount requested and accurately reflects the allowable expenses that were incurred; and further, that I am familiar with California Penal Code Section 72 and California Government Code Section 12650, et seq., pertaining to false claims, and further know and understand that submission or certification of a false claim may lead to fines, imprisonment, or other severe legal consequences.”

## **PART 2 CONSTRUCTION MATERIALS**

Methods of construction for all work performed on public property in the City of San Leandro shall conform with the Standard Specifications for Public Works Construction, the “GREENBOOK”, the most current edition and all supplements thereto, adopted by the Southern California Chapter of the American Public Works Association; and Section 86 of the May 2010 edition of California Department of Transportation (Caltrans) Standard Specifications; and the Special Provisions (Technical Specifications) thereto adopted by the City Engineer as follows:

All work within the public Right-of-Way or on public property of the City of San Leandro shall be performed under auspices of either Improvement Drawings signed and approved by the City Engineer or a valid Encroachment Permit.

Part 2 of the Special Provisions shall conform to Part 2 of the Standard Specifications except as modified herein.

### **SECTION 200-0 GENERAL**

The Contractor shall furnish all labor, materials, equipment and incidentals required to perform all operations, in accordance with the lines, grades, design and dimensions shown on the plans, the Standard Specifications and these Special Provisions.

### **SECTION 200 – ROCK MATERIALS**

#### **200-1 ROCK PRODUCTS**

##### **200-1.1.1 Testing.** *Add the following:*

The percentage of material with fractured faces shall be determined by California Test 205.

##### **200-1.2 Crushed Rock and Rock Dust.** *Add the following:*

Crushed rock & dust shall conform to the gradations for ¾” material shown in Table 200-1.2 (A).

A Certificate of Compliance shall be furnished by the Contractor for all aggregate used under these specifications. The Certificate of Compliance shall include results of laboratory tests indicating compliance with Section 200-1.2.1 of the Standard Specifications.

##### **200-1.7 Decomposed Granite.** *This sub-section is added:*

###### **200-1.7.1 General.**

Decomposed Granite (D.G.) shall be sizes # 0 and #00, passing ¼” retained pan. The color shall be gold or tan. This material is typically available at Diamond K Supply, Ltd, (925) 284-4477, [www.diamondk.com](http://www.diamondk.com)

###### **200-1.7.2 Stabilized Binder.**

Stabilized Binder shall be a patented non-toxic, organic binder that is a colorless and odorless concentrated powder that binds decomposed granite to produce firm surface. This material is typically available from Stabilizer Solutions, Inc., 800-336-2468, www.stabilizersolutions.com

## **200-2 UNTREATED BASE MATERIALS**

### **200-2.2 Crushed Aggregate Base.**

#### **200-2.2.1 General.** *Add the following:*

Material shall conform with this section or with section 26-1.02A, Class 2 Aggregate Base, of the Caltrans Standard Specifications.

#### **200-2.2.3 Quality Requirements.** *Revise as follows:*

The percentage wear test shall be waived. R-value shall be 78 minimum. Sand Equivalent shall be 30 minimum.

### **200-2.4 Crushed Miscellaneous Base**

#### **200-2.4.1 General.** *Add the following:*

Material shall conform with this section or with section 25-1.02A, Class 2 Aggregate Base, of the Caltrans Standard Specifications; material defined as coarse shall conform with class 1, material defined as fine shall conform with class 2.

#### **200-2.2.3 Quality Requirements.** *Revise as follows:*

The percentage wear test shall be waived. R-value shall be 60 minimum. Sand Equivalent shall be 25 minimum.

## **SECTION 201 – CONCRETE, MORTAR AND RELATED MATERIALS**

### **201-1 PORTLAND CEMENT CONCRETE**

#### **201-1.1.2 Concrete Specified by Class and Alternate Class.** *Add the following:*

Portland cement concrete used for curbs, walks, gutters, curb ramps, and play area curbs shall be class 470- C-2500 (5 sack, 1", 2500 psi) and shall contain one (1) pound of lampblack per cubic yard.

Portland cement concrete used traffic signal pole foundations and pedestrian push button post foundations shall be per section 209-3.12.

### **201-2 REINFORCEMENT FOR CONCRETE**

#### **201-2.2 Steel Reinforcement.** *Add the following:*

Reinforcing steel shall be Grade 40 minimum

### **201-3. EXPANSION JOINT FILLER AND JOINT SEALANTS**

#### **201-3.2 Premolded Joint Filler.** *Add the following:*

Expansion joint filler shall be 1/4" and shall be Nonextruding and Resilient Filler (Bituminous) ASTM 1751.

#### **201-4 CONCRETE CURING MATERIALS**

##### **201-4.1 Membrane Curing Compounds.** *Add the following:*

Curing compound for "Concrete Curbs, Walks, Gutters, Cross Gutters, and Driveways," shall be Type 1.

##### **201-5 CEMENT MORTAR.** *Add the following:*

Mortar and plaster for manhole frame and cover adjustment shown on City Standard Plan for "Utility Frame and Cover Adjustment," (Dwg. 222, Case 3101) shall be Class D to which ¼ to ½ part hydrated lime or lime putty has been added as specified in Section 202-1.5.1 "Mortar".

#### **201-7 NON-MASONRY GROUT**

##### **201-7.1.3. Non-shrink Grout** *Add the following:*

Non-shrink grout shall contain no metallic aggregates, gypsum or gas releasing agents, and shall require only the addition of water and shall conform to the requirements of Corps of Engineers Specifications for Non-shrink Grout (CRD-C 621-83). Use any of the following or approved equal:

- a) Five Star Grout
- b) 10K Grout, as manufactured by BASF Chemical Company
- c) GP Grout, as manufactured by US Spec.

## **SECTION 203 BITUMINOUS MATERIALS**

#### **203-6 ASPHALT CONCRETE.**

##### **203-6.1 General.** *Add the following:*

Asphalt Concrete for base courses shall be class B-PG 64-10 or B-PG 64-10 RAP (15% maximum reclaimed asphalt pavement), 3/4" Dense Medium).

Asphalt Concrete for surface courses shall ONLY be B-PG 64-10 3/4" Dense Medium).

The Engineer may specify B-PG-70-10 Paving Grade Asphalt to bridge poor subgrade conditions or if air temperatures become hot enough to warrant its use at no additional cost to the City.

Asphalt concrete for temporary pavement transitions and temporary trench resurfacing shall be class D2-SC-800 ("cut back").

## **SECTION 209 STREET LIGHTING AND TRAFFIC SIGNAL SYSTEMS**

### **209-2 REFERENCE SPECIFICATIONS.** *Add the following:*

All work performed on Traffic Signal systems shall be performed by electricians certified pursuant to Labor Code 3099 et. seq. and California Code of Regulations (CCR) Title 8, Section 230 et. seq. Copies of said certificates shall be provided in accordance with Section 2-5.3.4, Section 6-1, and Section 7-5 of these Special Provisions.

### **209-3 COMPONENTS FOR STREET LIGHTING AND TRAFFIC SIGNAL SYSTEMS**

*Add the following:*

The material furnished for Street Lighting and Traffic Signal Systems shall conform to the provisions of Section 86, "Signal and Lighting", of the 2010 edition of the California Department of Transportation (Caltrans) Standard Specifications. Standard Plans referenced in this Section 209, "Street Lighting and Traffic Signal Systems" shall mean the 2010 edition of the California Department of Transportation (Caltrans) Standard Plans and particularly shall include but not be limited to Drawings:

ES-1A SYMBOLS AND ABBREVIATIONS

ES-1B SYMBOLS AND ABBREVIATIONS

ES-1C SYMBOLS AND ABBREVIATIONS

ES-7A SIGNAL AND LIGHTING STANDARDS TYPE TS & PUSH BUTTON POST

ES-7B SIGNAL AND LIGHTING STANDARDS TYPE 1 STANDARDS

ES-8A NON –TRAFFIC PULL BOX DETAILS

ES-13A SPLICING DETAILS

### **209-3.3 Standards.** *Add the following:*

Standards, steel pedestals and posts shall conform to the provisions of Section 86-2.04 "Standards, Steel Pedestals and Posts" of the Caltrans Standard Specifications and details shown on applicable Caltrans Standard Plans.

### **209-3.5 Conduit.** *Add the following:*

Materials and installation shall conform to the provisions of Section 86-2.05 "Conduit" of the Caltrans Standard Specifications.

Conduit shall be 2" minimum rigid non-metallic conforming to the provisions of Section 86-2.05A(3).

### **209-3.7 Pull Boxes.** *Add the following:*

Pull boxes shall conform to the provisions of Section 86-2.06, "Pull Boxes", of the Caltrans Standard Specifications and these Special Provisions.

Pull Boxes and covers shall be precast reinforced concrete conforming to the details shown on Caltrans Standard Plan ES-8. Pull boxes shall be No. 5 unless otherwise directed by the Engineer. Covers shall be marked "Traffic Signal." Covers shall be secured to the pull box in accordance with Section 86-2.06A, "Materials", of the Caltrans Standard Specifications.

**209-3.12 Foundations.** *This subsection is added:*

Foundations shall conform to the provisions in Section 86-2.03, "Foundations", of the Caltrans Standard Specifications and these Special Provisions.

Portland cement concrete for 1B traffic signal pole foundations shall be 560-C-3250 (6 sack, 1", 3250 psi).

Portland cement concrete for pedestrian push button post foundations shall be 470-C-2500 (5 sack, 1", 2500 psi).

New anchor bolts shall be provided for relocated poles and posts.

**209-5 MATERIALS FOR TRAFFIC SIGNAL SYSTEMS**

**209-5.3 Conductors and Cable.**

**209-5.3.1 General.**

Conductors, cables and wiring shall conform to the provisions in Section 86-2.8, "Conductors", of the Caltrans Standard Specifications and these Special Provisions.

Conductor wire shall be No. 14, solid copper with type THW insulation.

Ground wire shall be No. 8 stranded copper; bare, or with Type THW green insulation.

**209-5.3.3 Conductor Identification.** *This subsection is added:*

All single conductors and cables shall have clear, distinctive and permanent markings on the outer surface throughout the entire length showing the manufacturer's name or trademark, insulation type letter designation, conductor size, voltage rating and the number of conductors if a cable. Conductor identification shall conform to the provisions of Section 86-2.08A "Conductor Identification" of the Caltrans Standard Specifications.

**209-5.3.4 Splicing.** *This subsection is added:*

Splicing shall conform to the provisions of Section 86-2.09 "Wiring" of the Caltrans Standard Specifications.

**209-5.9 Pedestrian Push Button Assemblies.** *Replace with the following:*

Pedestrian Push Button Assemblies shall conform to the provisions of Section 86-5.02 "Pedestrian Push Button Assemblies" of the Caltrans Standard Specifications

**SECTION 215 ROADSIDE SIGNS,  
CONSTRUCTION AREA SIGNS AND TRAFFIC CONTROL SIGNS**

*This Section “215 Roadside Signs, Construction Area Signs and Traffic Control Signs” is added:*

**215-1 ROADSIDE SIGNS**

**215-1.1 General.**

Unless otherwise directed by the Engineer relocated roadside signs shall be reused. Reused signs shall be mounted on new posts per City Standard Plan No. 136

**215-2 STATIONARY MOUNTED CONSTRUCTION AREA SIGNS**

**215-2.1 General.**

The minimum size of signs shall be as indicated in the following table:

<b>Description</b>	<b>Size (Pole Mounted)</b>	<b>Size (Barricade Mounted)</b>
W20-1 “Road Work Ahead”	48” x 48”	36” x 36”
G20-2 “End Road Work”	48” x 24”	36” x 18”
Type P “Steel Plates Ahead”	36” x 36”	36” x 36”

All construction area signs shall have the Contractor’s name and telephone number labeled on the back of the sign panel.

**215-2.2 Sign Panel Fastening Hardware.**

Back braces for signs shall be commercial quality, mild steel, hot-dip galvanized after fabrication.

Straps and saddle brackets for mounting sign panels on electroilers, sign structure posts and traffic signal standards shall be corrosion-resisting chromium nickel steel conforming to the specifications of ASTM Designation: A167, Type 302.

Lag screws, bolts, metal washers and nuts shall be commercial quality steel, hot-dip galvanization after fabrication.

**215-3 TRAFFIC CONTROL SIGNS**

**215-3.1 General.**

Traffic control shall meet the requirements of Section 7-10, “Public Convenience and Safety”.

Used signs with the specified sheeting material will be considered satisfactory if they conform to the requirements for visibility and legibility and the colors conform to the requirements of the current 2014

CA MUTCD. A significant difference between day and night-time reflective color will be grounds for rejecting signs.

All traffic control signs shall have the Contractor's name and telephone number labeled on the back of the sign panel.

If any component in the traffic control systems is displaced, or ceases to operate or function specified, from any cause, during the progress of the work, the Contractor shall immediately repair said component to its original condition or replace said component and shall restore the component to its original location.

When lane closures are made for work periods only, at the end of each work period, all components of the traffic control system, except portable delineators placed along open trenches or excavation adjacent to the traveled way shall be removed from the traveled way. If the Contractor so elects, said components may be stored at selected central locations, approved by the Engineer, within the limits of the street right-of-way.

Contractor is hereby directed to the presence of high volume of pedestrians in the vicinity of the project site. The City will require that the Contractor provide clear pedestrian access within the construction limit. The Contractor shall at all times be responsible for the safety of all pedestrians within construction limit through the duration of this project. Contractor equipment shall not obstruct automobile line of sight to pedestrians. The Contractor's attention is directed to Section 7-10.1.1 "Pedestrian Access."

## **PART 3 CONSTRUCTION METHODS**

Methods of construction for all work performed on public property in the City of San Leandro shall conform with the Standard Specifications for Public Works Construction, the “GREENBOOK”, the 2006 edition and 2008 supplements thereto, adopted by the Southern California Chapter of the American Public Works Association; and Section 86 of the 2010 edition of California Department of Transportation (Caltrans) Standard Specifications; and the Special Provisions (Technical Specifications) thereto adopted by the City Engineer as follows:

All work within the public Right-of-Way or on public property of the City of San Leandro shall be performed under auspices of either Improvement Drawings signed and approved by the City Engineer or a valid Encroachment Permit.

Part 3 of the Special Provisions shall conform to Part 3 of the Standard Specifications except as modified herein.

### **SECTION 300 EARTHWORK**

#### **300-1 CLEARING AND GRUBBING**

##### **300-1.1 General.** *Add the following:*

Clearing and Grubbing shall include the removal of Portland cement concrete, reinforced concrete aprons, pole/sign foundations, asphalt concrete, landscaping, and other miscellaneous items, using excavation equipment and methods approved by the Engineer. Foundations from signal pole and push button post to be relocated shall be removed to a depth of 24 inches.

##### **300-1.3. Removal and Disposal of Materials.**

##### **300-1.3.1 General.** *Add the following:*

Existing AC and PCC improvements shall be sawcut to a minimum depth of 6”. All sawcut residue shall be collected concurrent with the sawcutting operation by vacuum, or other method approved by the Engineer and disposed of off City property.

PCC pavement to be removed shall be sawcut along existing scorelines.

AC pavement removed for the construction of PCC improvements shall be sawcut 24” from the PCC lip or edge.

Existing poles, signs, and utility structures to remain shall be protected in place.

##### **300-1.4 Payment.** *Add the following:*

Payment for all work described in section 300-1 “Clearing and Grubbing” is included in the contract price paid for the bid item for which the clearing and grubbing is performed and no separate payment will be made therefore.

## **SECTION 301 – TREATED SOIL, SUBGRADE PREPARATION, AND PLACEMENT OF BASE MATERIALS**

### **301-1 SUBGRADE PREPARATION**

**301-1.6 Adjustment of Manhole Frame and Cover Sets to Grade.** *Replace the first sentence with the following:*

Utility boxes and valve frames and covers within the work area shall be set to grade by the Contractor.

**301-1.6.1 Payment.** *This subsection is added:*

The contract price paid for **Bid Item No. 9, “Adjust Utility Valve Cover to grade or Utility Box to grade”** shall include full compensation for all work required by Section 301-1, in Adjust Utility Valve Covers to grade or Utility Boxes to grade at the locations directed by the Engineer.

Payment for this bid item shall be per each (EA).

### **301-2 UNTREATED BASE**

**301-2.3 Compacting.** *Add the following:*

Relative compaction tests of each layer of the aggregate base will be made by the Engineer. Contractor shall request compaction testing in writing, with 2 business days notice, to the Engineer. Relative compaction tests will be performed in accordance with California Test Method No’s 216 and 231

## **SECTION 302 ROADWAY SURFACING**

### **302-5 ASPHALT CONCRETE PAVEMENT**

**302-5.5 Distribution and Spreading.** *Add the following:*

Asphalt concrete shall be placed only upon the specific approval of the Engineer. The Engineer’s decision regarding satisfactory paving conditions shall be final. Open graded asphalt concrete shall not be placed when atmospheric temperature is less than 70° Fahrenheit.

Spreading and compacting of asphalt shall be performed by any method which will produce an asphalt concrete pavement of uniform smoothness, texture and density.

The Contractor must protect existing trees from damage. Limbs 14’ or higher above the existing grade must be protected. The Contractor shall either use low clearance equipment or hire a licensed arborist to trim limbs closer than 14’ to the existing grade. The Contractor shall obtain written permission from property owners prior to working on private trees.

**302-5.6 Rolling.**

**302-5.6.1 General.** *Add the following:*

Base courses at ALL CONFORMS, and any areas deemed inaccessible to rollers by the Engineer such as around manholes, water valves, etc. shall be mechanically compacted with a rammer or tamper with particular attention the edges and corners of the excavations.

The first coverage of initial or breakdown compaction shall be performed when the temperature is not less than 250° Fahrenheit and all breakdown compaction shall be completed before the temperature of the machine drops below 200° Fahrenheit.

Open graded asphalt concrete shall be placed at temperatures between 200° and 250° Fahrenheit and shall be compacted as soon as possible after placement.

Use of a pneumatic-tired roller shall not be required.

**302-5.6.2 Density and Smoothness.** *Add the following:*

Low areas for pavement not meeting smoothness tolerances shall be ground to one-inch (1') minimum depth and repaved. High areas shall be ground to tolerance with diamond blade pavement grinder (Caltrans designations PGD1A) and fog sealed in accordance with Section 302-1.3 of these Special Provisions. All corrective work shall be at Contractor's expense.

**302-5.9 Measurement and Payment.** *Replace with the following:*

The contract price paid for **Bid Item No. 3, "Install Curb and Gutter"** shall include full compensation for all work required by 302.

## **SECTION 303 CONCRETE AND MASONRY CONSTRUCTION**

### **303-5 CONCRETE CURBS, WALKS, GUTTERS, CROSS GUTTERS, ALLEY INTERSECTIONS, ACCESS RAMPS, AND DRIVEWAYS.**

**303-5.1.1 General.** *Add the following:*

The existence of certain underground facilities requires that special precautions be taken by the Contractor to protect the health, safety and welfare of workmen and the public. Facilities requiring special precautions include, but are not limited to, water supply main line, telephone cables, gas main, and electrical utilities. The Contractor shall notify Underground Service Alert (USA) 48 hours prior to performing any work.

All PCC improvements shall be doweled to adjacent PCC improvements using 12" long #3 or #4 rebar dowels at 3 feet on center with six inch minimum embedment depth.

Curb finish coat shall not be required.

**303-5.1.4 Order of Work.** *This subsection is added:*

The contractor shall call for inspections and receive approval from the Engineer at the following points of construction:

1. Subgrade Inspection after concrete, tree roots less than 4 inches in diameter, and all other material have been excavated to subgrade and removed from the work site. Prior to removal of tree roots 4 inches in diameter and larger, Contractor shall contact City Inspector for determination about additional root removal.
2. Form Inspection after base rock has been placed and compacted, and forms are set in place.
3. Final Inspection after concrete has been placed and finished, all cleanup work is satisfactorily completed, and all removed curb paints completely restored. The Contractor's attention is directed to Section 9-3.2 for definition of "satisfactorily completed".

All inspections called for by the Contractor shall be 24 hours in advance, and giving the work order numbers and locations needing inspection. Any location requiring correction will be subject to a reinspection requiring 24 hour notice.

### **303-5.2 Forms.**

#### **303-5.2.2 Slip-Forms.** *Add the following:*

Use of slip-forms is prohibited.

### **303-5.4 Joints.**

#### **303-5.4.2 Expansion Joints.** *Add the following:*

Expansion joints shall be per the Standard Plans.

#### **303-5.4.3 Weakened Plane Joints.** *Add the following:*

Whenever required by the Engineer, the Contractor shall construct weakened plane joints at specified locations in the curb, gutter and sidewalk. Weakened plane joints shall be constructed per City Standard Plan 104, General Concrete Notes, and shall be constructed with a tool designed for such joints.

### **303-5.5 Finishing.**

#### **303-5.5.2 Curb.** *Add the following:*

Mortar shall not be applied to any part of the curb.

#### **303-5.5.3 Walk.** *Add the following:*

Whenever the edge of sidewalk is to be placed within six inches (6") of a street tree, a rectangular blockout shall be formed in the sidewalk. This blockout shall be 6 inches clear from the tree trunk and from 4 to 6 feet in length. The length of the blockout will vary and is to align with the transverse scorelines in the sidewalk. Said scorelines are to be weakened plane joints or expansion joints. Upon removal of the forms, the blockout shall be backfilled to the sidewalk level with firmly compacted native material. In lieu of a blockout, the Engineer may require Contractor to offset the sidewalk or curb and gutter by curvilinear forming to avoid trees or roots.

Concrete curb, gutter and sidewalk shall be constructed according to the details shown on the City of San Leandro Standard Plan for "CONCRETE CURB, GUTTER AND SIDEWALK", (Dwg. 100, Case 3101) and the specifications shown on the City of San Leandro Standard Plan for "GENERAL CONCRETE NOTES", (Dwg. 104, Case 3101).

Curb Ramps shall be constructed according to the details shown on the City of San Leandro Standard Plan for "WHEELCHAIR CURB CUT RAMP TYPE A, B, C or D", (Dwg. 106a & 106b, Case 3101) and the specifications shown on the City of San Leandro Standard Plan for " WHEELCHAIR CURB CUT RAMP NOTES", (Dwg. 106c, Case 3101). The type of curb ramp at each location shall be determined by the Engineer.

Truncated Domes – Surface Application: Surface Mounted Truncated Domes shall be provided at locations where detectable warnings are to be installed on existing concrete surfacing. Truncated Domes shall be installed according to the details shown on the City of San Leandro Standard Plan for "WHEELCHAIR CURB CUT RAMP DETECTABLE WARNING SURFACE NOTES", (Dwg. 106D, Case 3101). These locations shall be determined by the Engineer.

**303-5.5.6 Concrete Apron.** *This subsection is added:*

Concrete apron shall be constructed according to the details shown on the City of San Leandro Standard Plan for "VALLEY GUTTER", (Dwg. 114, Case 3101). Number 4 reinforcement bars shall be doweled into the adjacent Valley Gutter section with six inch minimum embedment depth and shall be epoxied in place.

**303-5.9 Measurement and Payment.** *Replace with the following:*

The contract price paid for **Bid Item No. 3, "Install Curb and Gutter"** shall include full compensation for all work required by section 303-5, in installing concrete curb and gutter, at the locations directed by the Engineer.

Curb and gutter shall be measured linearly at the flow line. Payment for this bid item shall be per linear foot (LF).

The contract price paid for **Bid Item No. 4, "Install Sidewalk"** shall include full compensation for all work required by Section 303-5, in installing concrete walkways at the locations directed by the Engineer.

Sidewalks shall be measured as required to calculate the plane horizontal surface area; unpaved areas for boxes, planting, vaults, etc., shall be deducted. Payment for this bid item shall be per square foot (SF).

The contract price paid for **Bid Item No. 5, "Install Wheelchair Curb Cut Ramp"** shall include full compensation for all work required by Section 303-5, in installing wheelchair curb cut ramps at the locations directed by the Engineer.

Wheelchair curb cut ramps shall be measured as required to calculate the plane horizontal surface area; unpaved areas for boxes, planting, vaults, etc., shall be deducted. Payment for this bid item shall be per square foot (SF).

The contract price paid for **Bid Item No. 6, "Install Concrete Apron"** shall include full compensation for all work required by Section 303-5, in installing concrete aprons at the locations directed by the Engineer.

Concrete aprons shall be measured as required to calculate the plane horizontal surface area. Payment for this bid item shall be per square foot (SF).

The contract price paid for **Bid Item No. 7, “Install Surface Mounted Truncated Domes”** shall include full compensation for all work required by 303-5, in installing surface mounted truncated domes, on existing concrete surfacing, at the locations shown on the plan. Measurement shall be the length, rounded up to the next foot multiplied by the depth rounded up to the next foot of Surface Mounted Truncated Domes installed.

Payment for this bid item shall be per square foot (SF).

## **SECTION 307 STREET LIGHTING AND TRAFFIC SIGNALS**

### **307-1 GENERAL.**

#### **307-1.1 Description.** *Replace the first sentence with the following:*

The work shall consist of relocating type 1B traffic signal poles, relocating push button poles, installing new push button poles and relocating pull boxes.

#### *Add the following:*

Traffic Signal modifications and Installation shall conform to the provisions of Section 86, “Signals and Lighting”, of the California Department of Transportation (Caltrans) Standard Specifications 2015 edition, and these Special Provisions.

Standard Plans referenced in this Section 307, “Street Lighting and Traffic Signals”, for Traffic Control System shall mean the California Department of Transportation (Caltrans) Standard Plans 2015 edition, and the City of San Leandro Standard Plans (Dwg. 500A, 500B, 500C, 500D).

#### **307-1.5 Maintenance of Existing Systems.** *Add the following:*

Existing electrical systems (traffic signal and street lighting and other facilities), or approved temporary replacements thereof, shall be kept in effective operation for the benefit of the traveling public during the progress of the work, except when shutdown is permitted, to allow for alterations or final removal of the systems. The traffic signal shutdowns shall be limited to normal working hours, or shall be as specified in the Special Provisions. The Contractor shall notify the Engineer prior to performing any work on existing systems.

These Special Provisions will not relieve the Contractor in any manner of his responsibilities as provided in Section 7, “Responsibilities, of the Contractor”, in the Standard Specifications for Public Works Construction.

The Contractors attention is directed to Section 7-10.1 “Traffic and Access” of these Special Provisions.

At least three (3) days prior to performing any work on existing City systems, the Contractor shall notify the City of San Leandro Electrical and Signal Maintenance Supervisor, at (510) 577-3451.

Traffic signal system shutdown shall conform to the provisions of Section 315-3, “Traffic Control System, Lane Closures, and Detours”, of these Special Provisions.

**307-1.6 Scheduling the Work.** *This subsection is added:*

Scheduling of Work shall conform to the provisions in Section 86-1.06, “Scheduling of Work”, of the Caltrans Standard Specifications, the Standard Specifications, and these Special Provisions.

The Contractor shall not begin any work which will interfere with the operation of the existing traffic signal systems until all related items which will not interfere have been completed, or unless otherwise directed by the Engineer.

**307-2 CONSTRUCTION GENERAL**

**307-2.1 Excavation and Backfill.** *Replace with the following:*

Trench excavation and backfill shall conform to the provisions of Section 307-2.1 “Excavation and Backfill”, of the Standard Specifications and these Special Provisions, City Standard Plan “Trench Backfill” (Dwg. 120A and 120B, Case 3101) and “Trench Resurfacing” (Dwg. 122A and 122B, Case 3101). Contractor has option to horizontal directional drill where applicable or mandatory.

Removing and replacing traffic improvements shall conform to Section 86-2.02 “Removing and Replacing Improvements” of the Caltrans Standard Specifications and these Special Provisions.

**307-2.2 Foundations.** *Replace with the following:*

Foundation construction for Traffic Signal Systems shall conform to the provisions in Section 86-2.03, “Foundations”, of the Caltrans Standard Specifications, Section 201-1, “Portland Cement Concrete” of the Standard Specifications and these Special Provisions and the details shown on applicable Caltrans Standard Plans.

Foundations standards shall conform to the details on Caltrans Standard Plans.

**307-2.3 Standards and Steel Pedestals.** *Replace with the following:*

Standards, steel pedestals and posts shall be located as directed by the Engineer.

Installation of standards, steel pedestals and posts Signal Systems shall conform to the provisions in Section 86-2.04 “Standards, Steel Pedestals and Posts”, of the Caltrans Standard Specifications, and the details shown on applicable Caltrans Standard Plans.

**307-2.4 Pull Boxes.** *Replace with the following:*

Pull box installation for Traffic Signal Systems shall conform to the provisions of Section 86-2.06 of the Caltrans Standard Specifications, these Special Provisions, and the details shown on the Caltrans Standard Plan ES-8.

Pull Boxes shall be re-located as directed by the Engineer. Pull boxes shall rest on 12 inches of crushed drain rock. The top of the pull box shall be set flush with surface of the surrounding sidewalk or to the finished grade specified by the Engineer.

Grout shall not be placed in the bottom of new or existing pull boxes.

**307-2.5 Conduit.** *Replace with the following:*

Conduit installation shall conform to the provisions in the Section 86-2.05, “Conduit”, of the Caltrans Standard Specifications.

Conduits shall be installed as directed by the Engineer and per City Standard Plans.

Conduit entering or leaving pull boxes shall be angled up at least 45 degrees. After conductors have been installed, the ends of conduits terminating in pull boxes and controller cabinets shall be sealed with an approved type of sealing compound. Existing conduit shall be reused to the greatest extent possible.

A ground wire conforming to the provisions of Section 209-2.4, “Wire”, of these Special Provisions, shall be installed in all non-metallic conduits.

**307-2.6 Wiring.** *Replace with the following:*

Conductors, cables and wiring for Signal Systems shall conform to the provisions in Section 86-2.08, “Conductors”, and Section 86-2.09 “Wiring” of the Caltrans Specifications and Section 209-2.4, “Wire”, of these Special Provisions.

CONDUCTOR IDENTIFICATION shall conform to the provisions of Section 86-2.08A, “Conductor Identification”, of the Caltrans Standard Specifications and these Special Provisions. All single conductors and cables, except detector lead-in cables, shall have clear, distinctive and permanent markings on the outer surface throughout the entire length showing the manufacturer's name or trademark, insulation type letter designation, conductor size, voltage rating and the number of conductors if a cable.

Optical detector cable (ODC) function shall be permanently identified at all points of access (controller cabinets, pull boxes, handholes, etc.).

SPLICES shall conform to the provisions of Section 86-2.09D “Splicing”, and Section 86-2.09E, “Splice Insulation”, of the Caltrans Standard Specifications and these Special Provisions.

Splices shall be “Method B”. Conductors shall be full length between equipment, pull boxes and handholds, etc. Splices in conduit shall not be permitted.

**307-2.7 Bonding and Grounding.** *Replace with the following:*

Bonding and grounding shall conform to the provisions in Section 86-2.10, “Bonding and Grounding”, of the Caltrans Standard Specifications and these Special Provisions.

Grounding jumper shall be attached by a 3/16 inch or larger brass bolt in the signal standard or controller pedestal and shall run continuously to the conduit, ground rod, or bonding wire in the adjacent pull box. Grounding jumper shall not be visible after cap is poured on the foundation.

**307-2.9 Measurement and Payment.** *This subsection is added:*

The contract price paid for **Bid Item No. 10, “Relocate Utility Box”** shall include full compensation for all work required by section 307-2, in relocating pull boxes at the locations directed by the Engineer. This bid item shall also include conductor splicing within the relocated utility box.

Payment for this bid item shall be per each (EA).

The contract price paid for **Bid Item No. 11, “Relocate Pedestrian Push Button Posts”** shall include full compensation for all work required by section 307-2, in relocating push button posts at the locations directed by the Engineer. This bid item shall also include disconnection and reconnection of conductors associated with the relocated push button.

Payment for this bid item shall be per each (EA).

The contract price paid for **Bid Item No. 12, “Install New Pedestrian Push Button Posts”** shall include full compensation for all work required by sections 307-2, in installing new push button posts at the locations directed by the Engineer. This bid item shall also include connection of conductors associated with the new push button.

Payment for this bid item shall be per each (EA).

The contract price paid for **Bid Item No. 13, “Relocate Traffic Signal 1B Pole”** shall include full compensation for all work required by section 307-2, in relocating traffic Signal 1B poles at the locations directed by the Engineer. This bid item shall also include disconnection and reconnection of conductors associated with the relocated traffic signal.

Payment for this bid item shall be per each (EA).

The contract price paid for **Bid Item No. 14, “Install 2-inch Conduit”** shall include full compensation for all work required by section 307-2, in installing 2-inch conduit at the locations directed by the Engineer.

Payment for this bid item shall be per linear foot (LF).

The contract price paid for **Bid Item No. 15, “Install Electrical Wiring”** shall include full compensation for replacing conductors at locations where relocated pull boxes, pedestrian push buttons and traffic signals require an increased length of wiring. This bid item shall also include disconnection and reconnection of conductor terminations at the conduit ends opposite the relocated pull box or traffic equipment.

Measurement shall be the actual length of each conductor installed including slack lengths. Payment for this bid item shall be per linear foot (LF).

## **SECTION 308 – LANDSCAPE AND IRRIGATION INSTALLATION**

**308-9 DECOMPOSED GRANITE INSTALLATION.** *This subsection is added:*

**308-9.1 General.**

Blend 12 to 16 pounds of Stabilizer per 1-ton of decomposed granite. It is critical that Stabilizer be thoroughly and uniformly mixed throughout decomposed. Bucket blending is not acceptable. Blending with a rake and or shovel is not acceptable. A concrete mixer is required.

After pre-blending, place the Stabilized decomposed granite on prepared sub-grade. Place in lifts as required to achieve the compaction required below. Top of finished material shall be level with the adjacent sidewalk or top of curb elevation.

Water heavily to achieve full depth moisture penetration of the Stabilized decomposed granite. To achieve saturation, 25 to 45 gallons of water per 1-ton must be applied. During water application randomly test for saturation depth by using a probing device.

Upon thorough moisture penetration, compact decomposed granite to 85% relative compaction with an 8” to 10” hand tamp or 250 to 300 pound roller. Keep traffic off areas for 12 to 48 hours after compaction has been completed. Hand tamp around planting and irrigation systems.

Finished surface of decomposed granite shall be smooth, uniform and solid. There shall be no evidence of chipping or cracking. Cured and compacted surface shall be firm throughout the profile with no spongy areas. Loose material shall not be present on the surface.

**308-9.2 Payment.** Payment for all work described in section 308-9 “Decomposed Granite Installation” is included in the contract price paid for bid item numbers 20 and 21, and no separate payment will be made therefore.

The contract price paid for **Bid Item No. 8, “Install Decomposed Granite Hardscape”** shall include full compensation for all work required by section 308-9, in installing Decomposed Granite Hardscape at the locations directed by the Engineer.

## **SECTION 315 ROADSIDE SIGNS, CONSTRUCTION AREA SIGNS AND TRAFFIC CONTROL**

*This Section “215 Roadside Signs, Construction Area Signs and Traffic Control” is added:*

### **315-1 ROADSIDE SIGNS**

Relocated roadside signs shall be installed on new unistrut posts. Installation shall be per City Standard Plan No. 136. Patch hole around sign anchor with Portland cement concrete if sidewalk is core drilled.

#### **315-1.1 Measurement and Payment.**

The contract price paid for **Bid Item No. 16, “Relocate Roadside Sign”** shall include full compensation for all work required by section 315-1, in installing relocating roadside signs.

### **315-2 CONSTRUCTION AREA SIGNS**

Temporary mounted construction area signs shall be mounted on portable supports or barricades in conformance to the provisions in Section 315-2.1.1.

Up to 10 City Provided “Access Open to Businesses” signs shall be mounted on existing street light poles or Type III barricades per the project plans. Barricade mounted signs shall not impede the pedestrian path

of travel. Contractor shall deliver the “Access Open to Businesses” signs to San Leandro City Hall located at 835 E. 14<sup>th</sup> Street at the end of the project.

### **315-2.1 General.**

Contractor shall maintain signs so that they are legible and accurately reflect the limits of work.

Type W20-1 and G20-2 construction area signs shall be installed per Section 6C.04, Advance Warning Area, of the 2014 CA MUTCD or as directed by the Engineer.

Construction Area Signs shall be installed and maintained at all approaches to work areas. This requirement will apply continuously and will not be limited to normal working days and/or working hours (24 hours/day; 7 days/week). Signs and portable supports shall be removed from the public right-of-way when they are no longer needed.

To properly provide for changing traffic conditions and damage caused by public traffic or otherwise, the Contractor shall be prepared to furnish on short notice additional construction area signs, mounting hardware, and portable supports. The Contractor shall maintain an inventory of commonly required items at the jobsite or shall make arrangements with a supplier who is able, on a daily basis, to furnish such items on short notice.

#### **315-2.1.1 Temporary Mounted Construction Area Signs**

Each Temporary Mounted Construction Area Sign shall consist of a base, framework and a sign panel and shall be mounted on a portable support or appropriately sized barricade. The support or barricade shall be in good condition, capable of staying in position under anticipated traffic or weather conditions. The unit shall be capable of being delivered to the site of use and placed in immediate operation and removed after construction.

Sign panels shall conform to the provisions in Section 215-2, “Construction Area Signs”. Size, color, and legend shall be the same as stationary construction area signs.

The height to the bottom of the sign panel above the edge of traveled way shall be at least one foot and be visible to traffic. Signs may be placed on both sides of the roadway and within the roadway. Sign supports shall be placed in such way as not to interfere with pedestrians or bicyclists. A minimum 4-foot of lateral width shall be maintained for pedestrian pathways.

If temporary mounted signs are displaced or overturned, from any cause, during the progress of the work, the contractor shall immediately replace the signs in their original locations.

W21-2, W8-7 and W8-8 or “Uneven Pavement” or Type P signs shall be placed on Type I barricades with operating flashers immediately prior to the work and along streets per above.

### **315-3 TRAFFIC CONTROL SYSTEM, LANE CLOSURES AND DETOURS**

#### **315-3.1 General.**

The Contractor shall submit a Traffic Control Plan for acceptance by the City’s Traffic Engineer prior to performing any work affecting public traffic. Flashing arrow boards shall be used at all intersections of the streets listed in City Standard Plan 608A, B & C.

Traffic shall be directed through the construction zone by certified flagpersons as required by 2014 CA MUTCD or as directed by the Engineer. Flagpersons shall perform their duties and shall be provided with the necessary equipment in accordance with said manual and shall be certified in accordance with California Code of Regulations (CCR) Title 8, Section 1599 et. seq.

When lane closures are made for work periods only, at the end of each work period all components of the traffic control system, except portable delineators used to direct traffic away from the work area, shall be removed from the traveled way. If the contractor so elects, said components may be stored at selected central locations approved by the Engineer within the right-of-way.

If any component in the traffic control system is displaced or ceases to operate or function as specified, said component shall be immediately replaced or repaired to its original condition and restored to its original location by the Contractor.

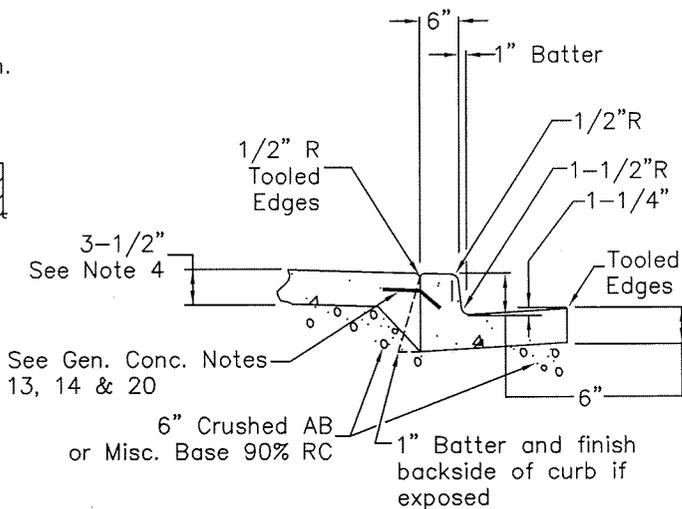
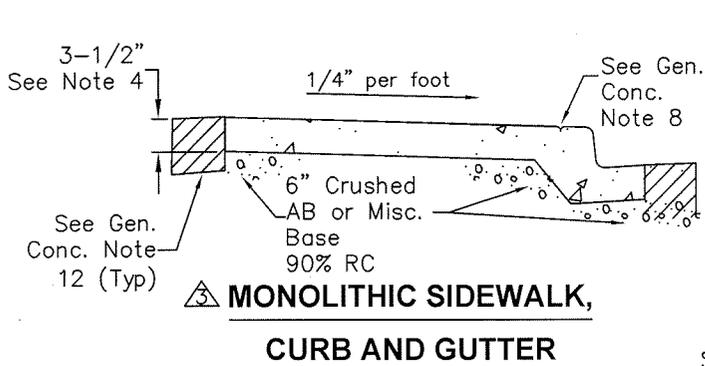
During traffic stripe operations, traffic shall be controlled with lane closures, as provided for under “Traffic Control system” of these Special Provisions, or by use of an alternative traffic control plan proposed by the Contractor. The Contractor shall not start traffic stripe operations using an alternative plan until he has submitted his plan to the Engineer and has received written approval of said plan.

#### **315-4 Measurement and Payment.**

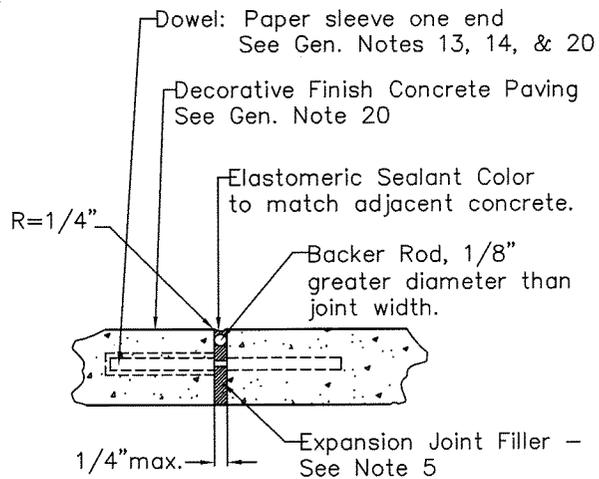
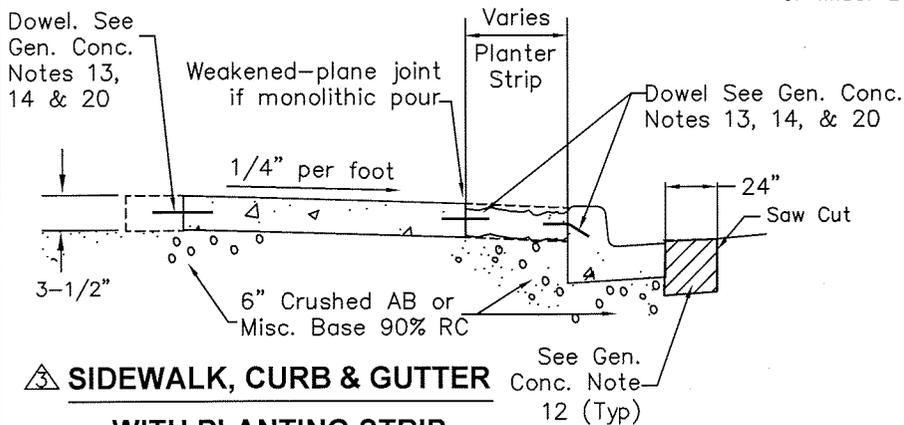
The contract price paid for **Bid Item No. 2, “Traffic Control”** shall include full compensation for all work required by Section 315-2 & 315-2, in installing and maintaining Traffic Control.

Payment for this bid item shall be lump sum (LS).

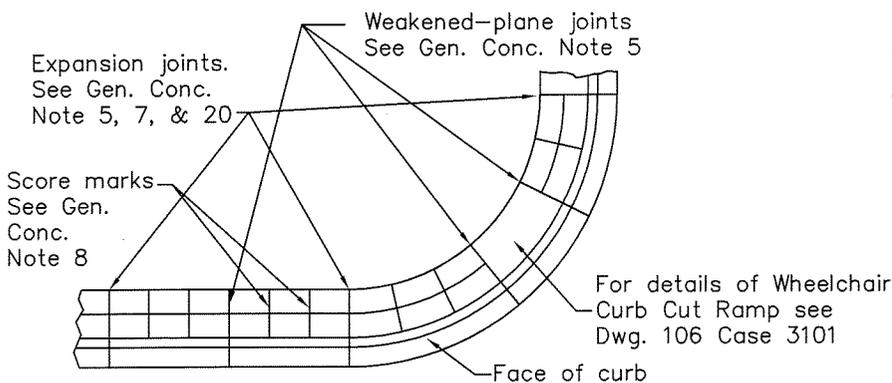
**APPENDIX A**  
**STANDARD PLANS**



**CURB AND GUTTER DETAIL**



**DECORATIVE FINISH CONC. PAVING EXPANSION JOINT**



**SIDEWALK AND CURB RETURN**

**NOTES:**

1. All work shall be done in accordance with the Standard Specifications for Public Works Construction, the "GREENBOOK", the most current edition and all supplements thereto, adopted by the Southern California Chapter of the American Public Works Association and the Special Provisions (Technical Specifications) thereto adopted by the City.
2. General Concrete Notes Dwg. 104 Case 3101 shall apply.
3. Minimum sidewalk width shall be 6'-0" for residential, 8'-0" for commercial areas unless approved otherwise by City Engineer.
4. Sidewalk contiguous with rolled curb shall be 6" thick.

ACAD FILE: C3101D100 Rev3.DWG

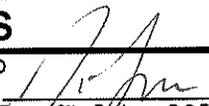
**CITY OF SAN LEANDRO \* STANDARD PLANS**

NO.	REVISIONS	DATE	BY	CONCRETE CURB, GUTTER AND SIDEWALK			APPROVED						
3	Removed "Limit of Pay Item by SF/LF"	8/23/12	AO				Kenneth Joseph, City Engineer R.C.E. No.34870 Expires 9/30/13						
DRAWN	GF/AMS	CHECKED	KJ/KRC	DATE	May 2002	SCALE	NONE	SHEET	1 OF 1	DWG. NO.	100	CASE	3101

1. All work shall be done in accordance with the Standard Specifications for Public Works Construction, the "GREENBOOK", the most current edition and all supplements thereto, adopted by the Southern California Chapter of the American Public Works Association and the Special Provisions (Technical Specifications) thereto adopted by the City.
2. Concrete shall be 213-C-17 (470-C-2500, 5 sack, one inch maximum aggregate, 2500 psi). Aggregate base (AB) shall be Crushed AB (CAB) or Crushed Miscellaneous Base (CMB).
3. Concrete for curb, gutter, sidewalk and driveway shall contain 0.45kg (one (1) pound) of lampblack per cu. yd. (at batch plant). 1.8kg (4 pounds) of lampblack to be used in the basket weave sidewalk. Decorative finish see note 20.
4. Subgrade and Crushed Aggregate Base or Crushed Misc. Base shall be compacted to not less than 90% relative compaction, as tested by a City approved lab at contractor's expense, except under Valley Gutter, which shall be compacted to 95% RC.
5. Expansion joints shall be constructed at the EC and BC of curb returns, at each side of driveways and at 20' nominal intervals. 1/4" bituminous impregnated felt, ASTM 994 shall be installed vertically, shall extend through the full depth and width of the work and be installed perpendicular to the work. Weakened-plane joints, 2" deep for sidewalks, 3" deep for 6" thick driveways, and 4" deep for (8" thick driveways), shall be spaced at 10'-0" nominal intervals, and at each side of curb ramps, mid-points of driveways with curb cuts exceeding 20'-0" and as directed by the City Engineer. All joints shall extend through the curb and gutter.
6. Exposed surfaces of sidewalk, driveway, curb and gutter shall be steel trowled followed by a medium broom finish.
7. Except as shown Dwg 100, all exposed edges, including at expansion joints and weakened-plane joints, shall be tooled to 1/2" radius. Decorative finish see note 20.
8. Sidewalk shall be score marked at 30" nominal intervals each way or to match existing score marks. Monolithic curb, sidewalk and driveway shall have a continuous score mark 6" from curb face.
9. All concrete shall be cured by keeping continuously moist for three days after pouring either by sprinkling, covering with a waterproof membrane, or applying TYPE I concrete curing compound. Decorative finish see note 20.
10. Extruded curb or gutter requires PRIOR approval by the City Engineer. Extruded sidewalks or driveways are prohibited.
11. For existing AC overlaid gutter, flow line of new concrete gutter shall match existing concrete gutter flow line. Curb lip at driveways shall be increased to 1/2" higher than AC overlay. AC overlay shall be reinstated to establish flow line.
- △ 12. All gutter lips, sidewalk, curb ramp or driveway edges, or curbs constructed adjacent to AC, shall be formed, finished and tooled. Install AC pavement tie-in per Dwg 128 Case 3101
13. All concrete improvements shall be doweled to adjacent concrete improvements using 12" long 10M (#3) rebar dowels (2 dowels min. each side) at 36" OC max. 4" min. embedment. Drill for drive tight fit or epoxy in place. Decorative finish see note 20.
14. Dowels shall be installed per Note 13 when planter strips are filled with concrete or when sidewalk is added to the back of the existing walk. Street tree wells shall be provided in accordance with City requirements.
15. All concrete improvements to be removed shall be saw cut along existing scorelines to a minimum depth of 1/2 the thickness of the concrete improvement. No section to be replaced shall be smaller than 30" in either length or width. If the saw cut in sidewalk or driveway would fall within 30" of a construction joint, expansion joint, cold joint, or edge, the concrete shall be removed to the joint or edge, including AB. All saw cut residue shall be vacuumed concurrently with sawing operation.
16. New imported full depth AB shall be placed under all new or replacement curb, gutter, sidewalk and driveway.
17. The typical City standard curb height is 6" and the typical City gutter width is 18". However, existing curb heights 3" to 9" and gutter widths 12" to 24" shall be matched in kind when directed by the City Engineer.
18. Any acts of vandalism or deformation to finish of the concrete shall be repaired within the first 24 hrs. after placement. Repairs made after 24 hrs. of placement shall consist of complete removal and replacement of the affected area.
19. Suitable native soil backfill shall be flush with adjacent concrete finish grade along all form voids and planter strips. Reseed as appropriate.
20. Decorative Finish Concrete Paving shall be colored and finished as shown on plans. Existing decorative finishes shall be matched in kind. Expansion joints shall be constructed and sealed as shown Dwg 100. Curing compound/color hardener/wax sealer matching decorative finish shall be used.

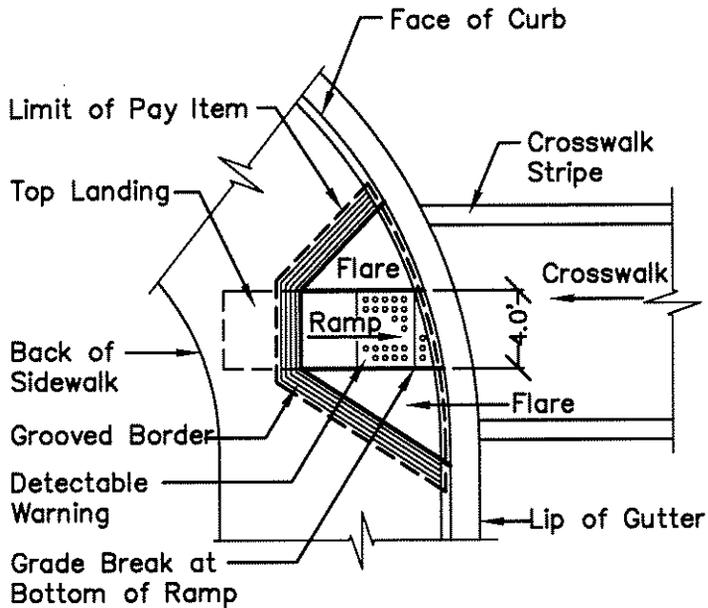
ACAD FILE: C3101D104 Rev3.DWG.

## CITY OF SAN LEANDRO \* STANDARD PLANS

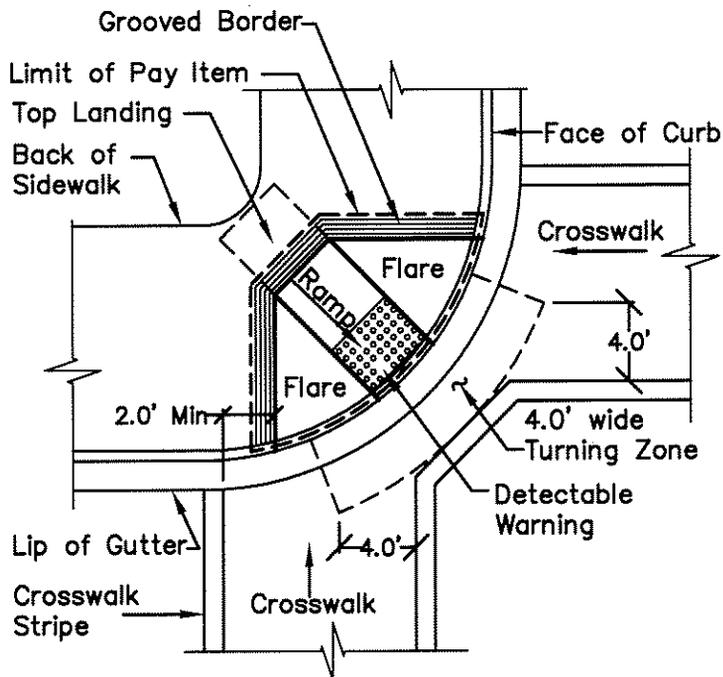
NO.	REVISIONS	DATE	BY	<b>GENERAL CONCRETE NOTES</b>	APPROVED								
△	Revise Note 12	6/01/15	DG		 Nick Thom, City Engineer R.C.E. No. 54659 Expires 12/31/15								
DRAWN	GF/MLWH/VL	CHECKED	KJ/KRC	DATE	May 2002	SCALE	NONE	SHEET	1 OF 1	DWG. NO.	104	CASE	3101

Notes:

1. All work shall be done in accordance with notes on Dwg 106C and 106D.
2. Flare max slope is 10% in any direction.
3. Ramp max slope is 8.33% in direction of travel and 2% perpendicular to travel.
4. Landing and Top Landing max slope is 2% in any direction.
5. Top Landing depth shall be 4.0' minimum, and shall be 5.0' when there is an obstruction at the back of the walk, measured in the direction of the ramp
6. Crosswalk max slope is 5% in direction of travel and 2% perpendicular to travel.
7. Turning zone shall be 2% max slope in any direction. Depress gutter lip as required.
8. Depress lip of gutter at bottom of ramp to achieve 5% max slope between flow line and lip of gutter, unless otherwise noted.
9. Minimum dimension of detectable warning in direction of travel is 3.0'. Gap between detectable warning and back of curb is 0.16' (2") max.
10. Top of curb at ramp shall equal flow line of gutter and shall be level. Top of curb at flare shall match elevation and slope of flare.
11. Grade break at bottom of ramp shall be perpendicular to ramp. Area between grade break and back of curb, if any, shall be sloped 2% toward the curb.



**TYPE A - STANDARD INSTALLATION**



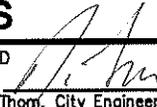
**TYPE A - DIAGONAL INSTALLATION**

ACAD FILE NO. C3101D106A Rev6.DWG

**CITY OF SAN LEANDRO \* STANDARD PLANS**

NO.	REVISIONS	DATE	BY
1	Add type A standard	6/4/15	NT

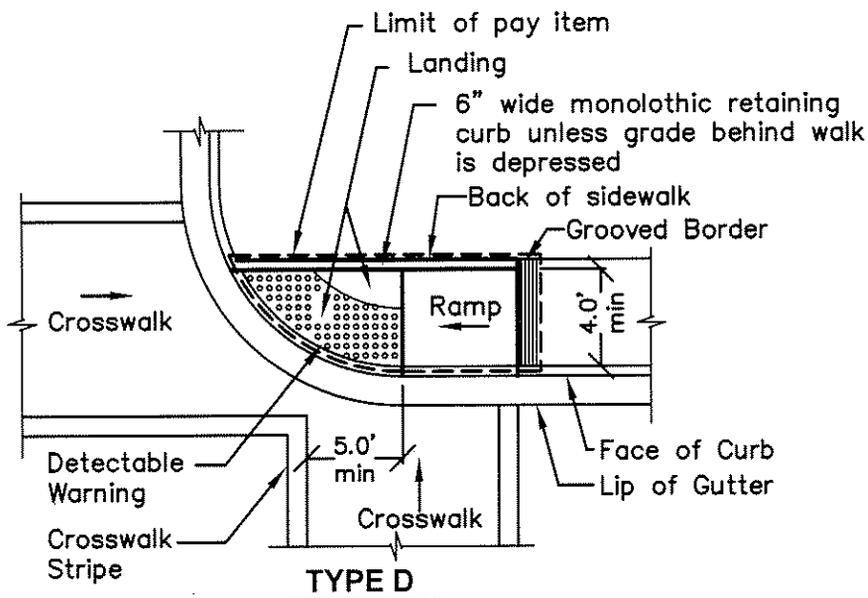
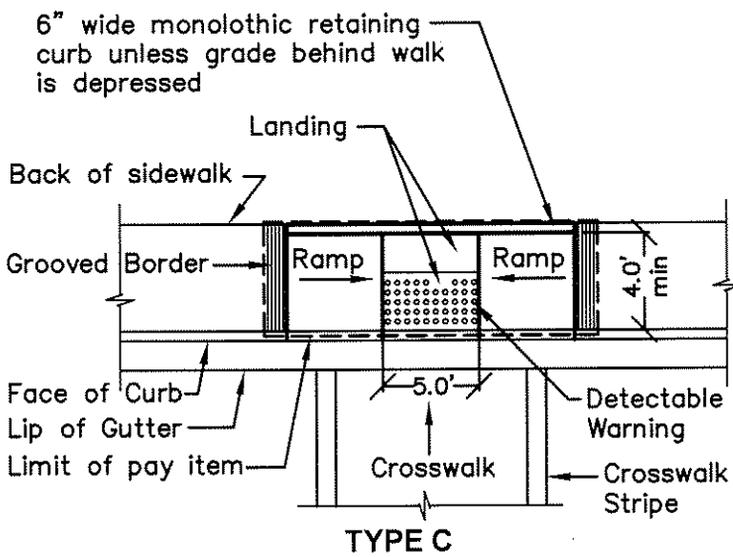
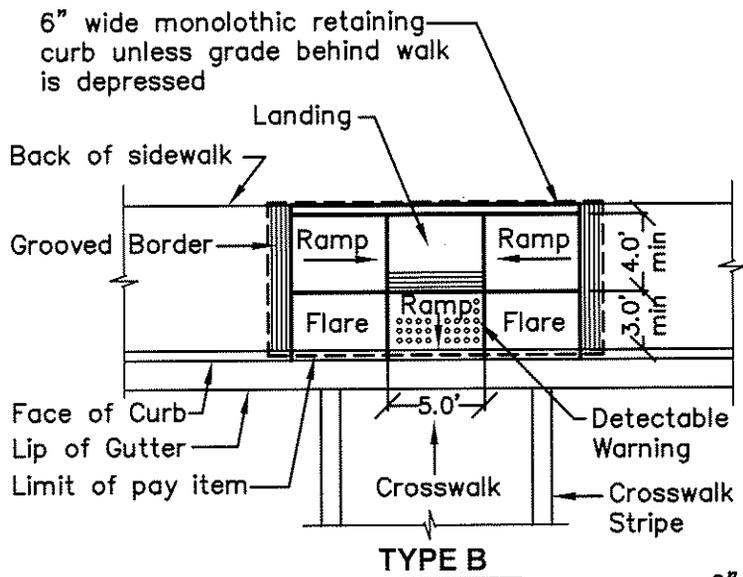
**WHEELCHAIR CURB CUT RAMP  
TYPE A**

APPROVED  
  
 Nick Thorn, City Engineer R.C.E. No.54659  
 Expires 12/31/15

DRAWN GF/MLWH/VL	CHECKED KJ/KRC	DATE June 2004	SCALE 1"=10'	SHEET 1 OF 4	DWG. NO. 106A CASE. 3101
------------------	----------------	----------------	--------------	--------------	--------------------------

Notes:

1. All work shall be done in accordance with notes on Dwg 106A, 106C, and 106D.

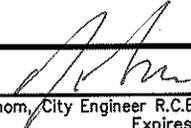


ACAD FILE NO. C3101D106A Rev6.DWG

**CITY OF SAN LEANDRO \* STANDARD PLANS**

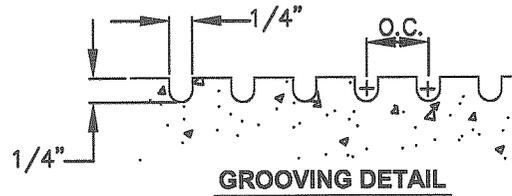
NO.	REVISIONS	DATE	BY
1	Add type A standard	6/4/15	NT

**WHEELCHAIR CURB CUT RAMP  
TYPE B, C, & D**

APPROVED  
  
 Nick Thorn, City Engineer R.C.E. No.54659  
 Expires 12/31/15

DRAWN GF/MLWH/VL CHECKED KJ/KRC DATE June 2004 SCALE 1"=10' SHEET 1 OF 4

DWG. NO. 106B CASE. 3101



**GROOVING DETAIL**

Border Grooves approximately 3/4" O.C.

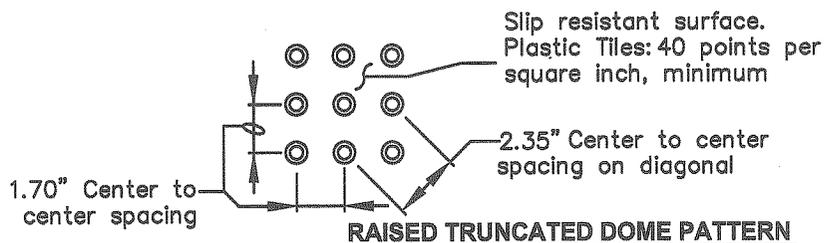
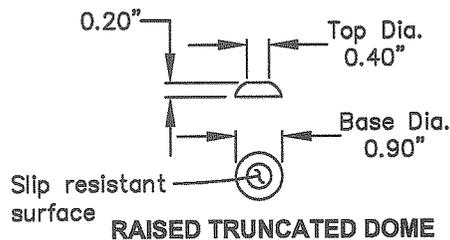
1. All work shall be done in accordance with the Standard Specifications for Public Works Construction, the "GREENBOOK", the most current edition and all supplements thereto, adopted by the Southern California Chapter of the American Public Works Association and the Special Provisions (Technical Specifications) thereto adopted by the City.
2. Dwg. 104, Case 3101 General Concrete Notes shall apply.
3. If distance from curb to back of sidewalk is too short to accommodate ramp and 4'-0" minimum platform as in Type A, the sidewalk may be depressed longitudinally as in Type B or C or D. Type B, C, and D also apply in curb returns where necessary.
4. If sidewalk is less than 5'-0" wide, the full width of the sidewalk shall be depressed as shown in Type C or D.
5. When ramp is located in center of curb return, crosswalk lines must be similar to those shown in Type A to accommodate wheelchairs.
6. The bottom of the ramp shall have a flush flow line lip.
7. Sidewalk and curb ramp shall be 3-1/2" 213-C-17 (470-C-2500, 5 sack, one inch maximum aggregate, 2500 psi) concrete over 6" AB 90% RC.
8. Curb ramps shall have a 12" wide border with 1/4" grooves approximately 3/4" on center at the level surface of the sidewalk. See grooving detail.
9. Curb ramps shall have a Detectable Warning Surface. See Detectable Warning Surface Notes Dwg. 106D, Case 3101.
10. Curb ramp side slope varies uniformly to a maximum of 10% at curb to conform with longitudinal sidewalk slope adjacent to top of ramp, except in Type C or D.
11. Utility pull boxes, manholes, vaults, and all other utility facilities within the boundaries of the curb ramp will be relocated by others prior to, or in conjunction with, curb ramp construction.
12. Dowel curb ramps at all cold joints in existing concrete with 10M (#3) rebars 12" long at 36" intervals. Drive tight fit or epoxy. Expansion joints and/or Weakened-plane joints shall separate curb ramps in new concrete construction.
13. All slopes relative to (E) street grades.
14. TRUNCATED DOMES - GENERAL: Wheelchair Curb Cut Ramps shall have a prefabricated Detectable Warning Surface installed on ramp surface consisting of tile(s) with raised truncated domes conforming to the details on this standard plan and shall be in conformance with the requirements established by the Department of General Services, Division of State Architect; and the American with Disabilities Act (Title 49 CFR Transportation, Part 37.9 Standards for Accessible Transportation Facilities, Appendix A, Section 4.29.2 Detectable Warnings on Walking Surfaces) and shall be cast in place in conformance with the manufacturer's cast in place recommendations. Detectable Warning Surface shall extend the full width and 3'-0" depth of the ramp. The edge of the detectable warning surface nearest the street shall be between 6" and 8" from the gutter flowline. When a detectable surface edge and/or domes is cut and the resulting edge is not flush with the surface of the ramp, the edge shall be beveled or conformed with perimeter sealant at 1:2 maximum slope in accordance with the manufactures requirements.

Manufacturer(s) shall provide a written 5-year warranty for prefabricated detectable warning surfaces, guaranteeing replacement when there is defect in the dome shape, color fastness, sound-on-cane acoustic quality, resilience, or attachment. Warranty period shall begin upon acceptance of work.

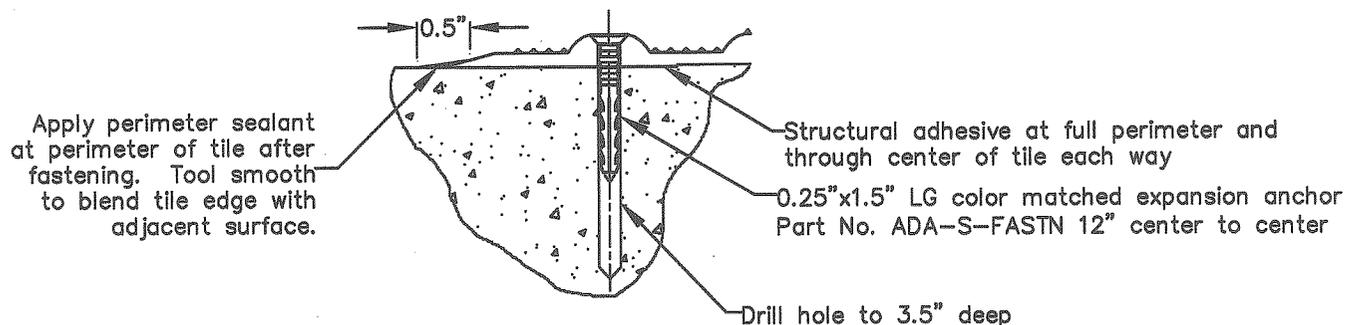
ACAD FILE NO. C3101D108C Rev5.DWG

**CITY OF SAN LEANDRO \* STANDARD PLANS**

NO.	REVISIONS	DATE	BY	APPROVED
1	Deleted all Metric dimensions	4/24/12	AMS	 Kenneth Joseph, City Engineer R.C.E. No.34870 Expires 9/30/13
<b>WHEELCHAIR CURB CUT RAMP NOTES</b>				
DRAWN	GF/MLWH/VL	CHECKED	KJ/KRC	DATE
				June 2004
				SCALE
				NONE
				SHEET
				3 OF 4
				DWG. NO.
				106C
				CASE.
				3101



15. **TRUNCATED DOMES – PLASTIC TILES:** Tiles shall be "Armor Tile" as manufactured by Engineered Plastics Inc., Tel: (800)-682-2525, or approved equal. Tiles shall be a single tile, full width x 36" deep nominal, manufactured of an epoxy polymer composite with an ultraviolet stabilized, colorfast coating employing aluminum oxide particles in the truncated cones. Color shall be Safety Yellow (Federal Color #33538). The tile shall incorporate an in-line pattern of truncated domes; 0.20" in height, 0.90" diameter at the base, and 0.40" diameter at the top of dome, spaced 2.35" nominal as measured on a diagonal and 1.70" nominal as measured side by side; rows shall be oriented parallel with ramp direction; domes shall be aligned throughout entire detectable surface area. The field area shall consist of a nonslip surface with a minimum of 40-90 raised points .045" high, per square inch. The tile shall be manufactured with embedment flanges, 3" center to center, 1" min. depth with 5/16" diameter holes, 3 holes minimum per flange. Where tiles are cut, sealant shall be worked under the tile along perimeter wherever the embedment flange is removed.
16. **TRUNCATED DOMES – CONCRETE:** Upon prior approval from Engineer high strength concrete panels reinforced with pre-stressed stainless steel strands may be used. Concrete panels shall be CASTinTACT Detectable Warning Panels Tel: (530) 878-2440 or approved equal; two panels max to achieve full width x 36" deep nominal; 7/8" thick, 69 MPa (10,000 psi) high strength concrete; 1/16" Type 304 SS pre-stressed reinforcement strands 4" O.C. each way and along edges; color shall be yellow unless otherwise specified. Installation shall be per manufacturers directions.
17. **TRUNCATED DOMES – SURFACE APPLICATION:** Upon prior approval from Engineer, retrofit and unique circumstances may allow surface application:
- Surface applied detectable tiles shall be "Armor Tile" manufactured without embedment flanges and the edges shall be beveled, sloped at 1:2 maximum. When the detectable surface edge and/or dome is cut and the resulting edge is not flush with the surface of the ramp, the edge shall be beveled or conformed with perimeter sealant at 1:2 maximum slope in accordance with the manufacturer's requirements.
  - Adhesive: Urethane electrometric adhesive by Sika Corp., Uniroyal, Mapei, Bostik, or approved equal.
  - Fasteners: Color matched, corrosion resistant, flat head drive anchor: 1/4" diameter x 1-3/4" long, 12" center to center both directions minimum. Armor-Drive by Engineered Plastics or approved equal.
  - Perimeter Sealants: Epoxy two component sealant by Powers, Simpson, Hilti or approved equal. Aluminum gray color.



**SURFACE APPLIED TILE INSTALLATION DETAIL**

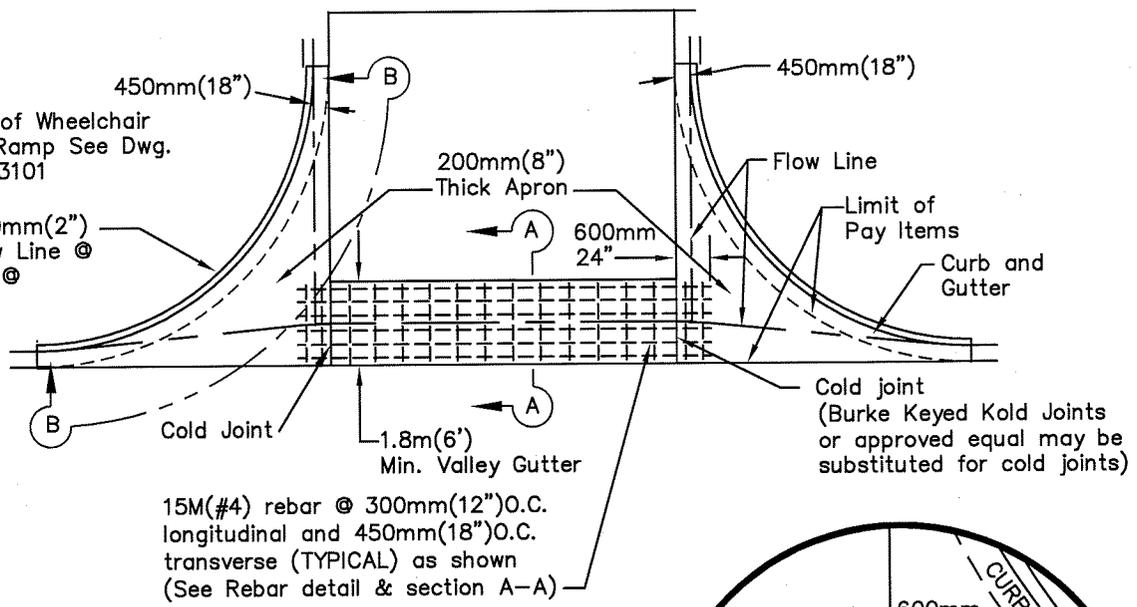
ACAD FILE NO. C3101D108D Rev4.DWG

**CITY OF SAN LEANDRO \* STANDARD PLANS**

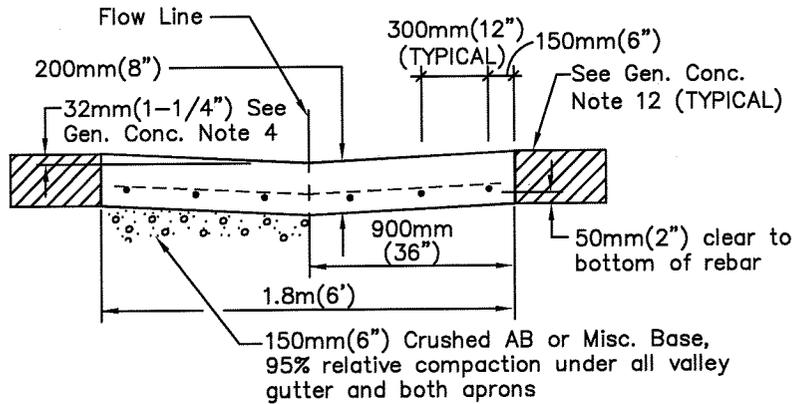
NO.	REVISIONS	DATE	BY	WHEELCHAIR CURB CUT RAMP DETECTABLE WARNING SURFACE NOTES			APPROVED						
1	Deleted all Metric dimensions	4/24/12	AMS				 Kenneth Joseph, City Engineer R.C.E. No.34870 Expires 9/30/13						
DRAWN	GF/MLWH/VL	CHECKED	KJ/KRC	DATE	June 2004	SCALE	NONE	SHEET	4 OF 4	DWG. NO.	106D	CASE.	3101

For detail of Wheelchair Curb Cut Ramp See Dwg. 106 Case 3101

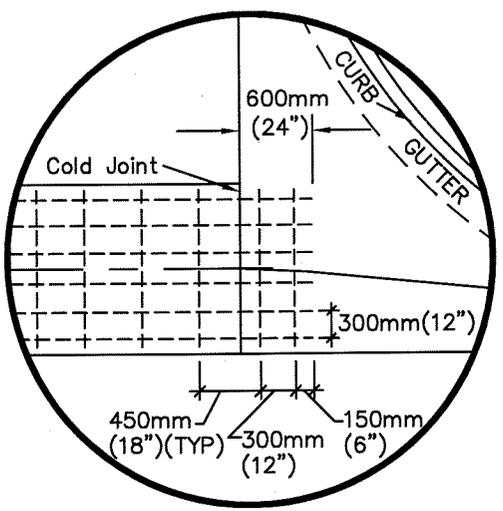
Elev. + 50mm(2") above Flow Line @ curb face @  $\phi$  of curb return



**PLAN**



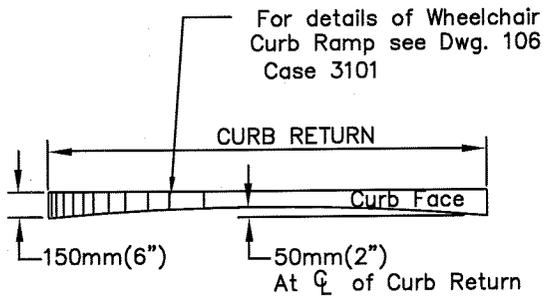
**SECTION A-A**



**REBAR DETAIL**

**NOTES:**

1. All work shall be done in accordance with the Standard Specifications for Public Works Construction, the "GREENBOOK", the most current edition and all supplements thereto, adopted by the Southern California Chapter of the American Public Works Association and the Special Provisions (Technical Specifications) thereto adopted by the City.
2. General Concrete Notes Dwg. 104 Case 3101 shall apply.
3. Concrete valley gutter apron shall be constructed monolithically with curb and gutter.
4. Variable where controlled by existing curb and gutter at valley ends.
5. Plan designates pay limits of valley gutter when applicable.
6. Water test flow line in presence of the City Engineer.

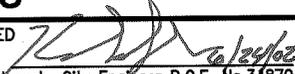


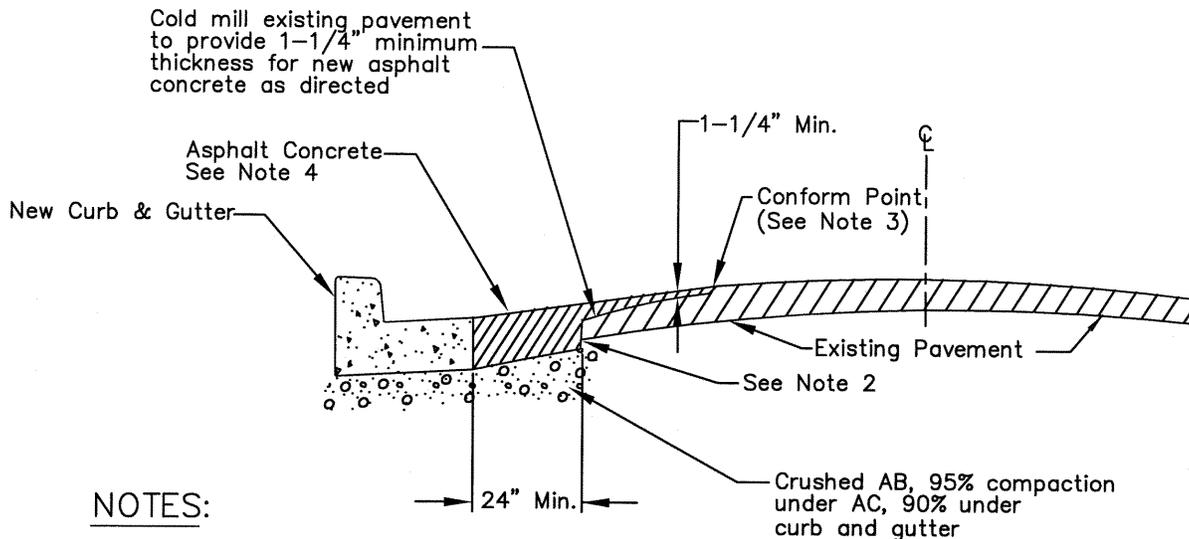
**VIEW B-B**

Elevation at curb return face

ACAD FILE NO. C3101D114.DWG.

**CITY OF SAN LEANDRO \* STANDARD PLANS**

NO.	REVISIONS	DATE	VALLEY GUTTER			APPROVED
						 Kenneth Joseph, City Engineer R.C.E. No.34870 Expires 9/30/03
DRAWN GF/MLWH/VL		CHECKED KJ/KRC	DATE May 2002	SCALE NONE	SHEET 1 OF 1	DWG. NO. 114 CASE. 3101



**NOTES:**

1. All work shall be done in accordance with the Standard Specifications for Public Works Construction, the "GREENBOOK", the most current edition and all supplements thereto, adopted by the Southern California Chapter of the American Public Works Association and the Special Provisions (Technical Specifications) thereto adopted by the City.
2. Tie-in pavement section shall be sawcut minimum 1/2 thickness of the (E) AC and the (N) AC section shall be a minimum of 6" deep on local residential streets, parking lots, pathways, etc., 9" on collector streets and 12" on arterial & commercial/industrial streets.
3. Conform point shall be determined by the City Engineer and may occur anywhere between the edge of pavement and the centerline. 2% minimum, 5% maximum cross slope.
4. Maximum installed and compacted thickness of AC lifts shall be per table:

Compaction Equipment	Maximum Compacted Thickness mm (in)
Vibratory Plate	38mm (1-1/2")
Pneumatic Plate	50mm (2")
Vibratory Rammers	50mm (2")
Steel Wheel Roller*	63mm (2-1/2")
Vibratory Roller*	75mm (3")
Pneumatic Tired Rollers	Not Permitted

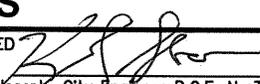
\*Rollers must fit entirely within the trench for base courses.

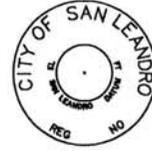
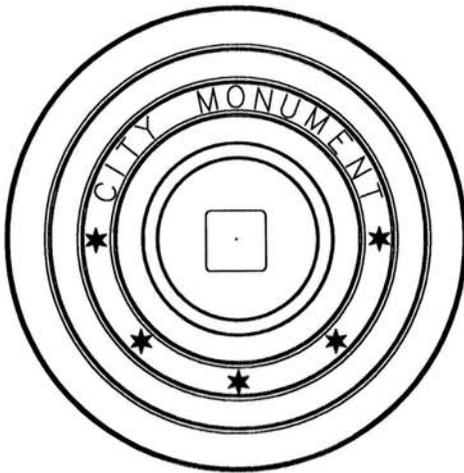
All base courses shall be mechanically compacted with a rammer or tamper with particular attention to the perimeter and corners of the excavation. Surface course shall be compacted with steel wheeled roller. A vibratory plate may be used for surface course of .37m<sup>2</sup> (4 sq. ft.) maximum. Caltrans Type A, Medium and all Type B AC mixes are prohibited. AC mixes containing recycled products are allowed for base course only. They are prohibited for surface courses.  
 Base Course: B-PG64-10 (3/4") Dense Medium Coarse) (Caltrans Type A, Coarse equivalent).  
 Surface Course: C2-PG64-10 (1/2") Dense Medium) (Caltrans Type A, Coarse equivalent).

5. 95% Relative Compaction minimum all courses. AC shall be tested by a City approved lab at contractor's expense. Certified test results shall be provided to the City Engineer.
6. SS-1h Tack Coat (paint binder) all hard surfaces (AC, PCC, etc.).
7. The City Engineer may specify PG70-10 Paving Grade Asphalt to bridge poor subgrade conditions, or if air temperatures become hot enough to warrant its use, at no additional cost to the City.
8. All striping shall be replaced in kind and must be approved by City Engineer prior to final of project.

ACAD FILE. C3101D128 Rev2.DWG.

**CITY OF SAN LEANDRO \* STANDARD PLANS**

<table border="1"> <thead> <tr> <th>NO.</th> <th>REVISIONS</th> <th>DATE</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td>△</td> <td>All Striping to be replaced</td> <td>4/12/10</td> <td>NT</td> </tr> </tbody> </table>				NO.	REVISIONS	DATE	BY	△	All Striping to be replaced	4/12/10	NT	<b>PAVEMENT TIE-IN</b>		APPROVED  Kenneth Joseph, City Engineer R.C.E. No.34870 Expires 9/30/11	
NO.	REVISIONS	DATE	BY												
△	All Striping to be replaced	4/12/10	NT												
DRAWN GF/MLWH/VL		CHECKED KJ/KRC		DATE May 2002	SCALE NONE	SHEET 1 OF 1	DWG. NO. 128 CASE. 3101								



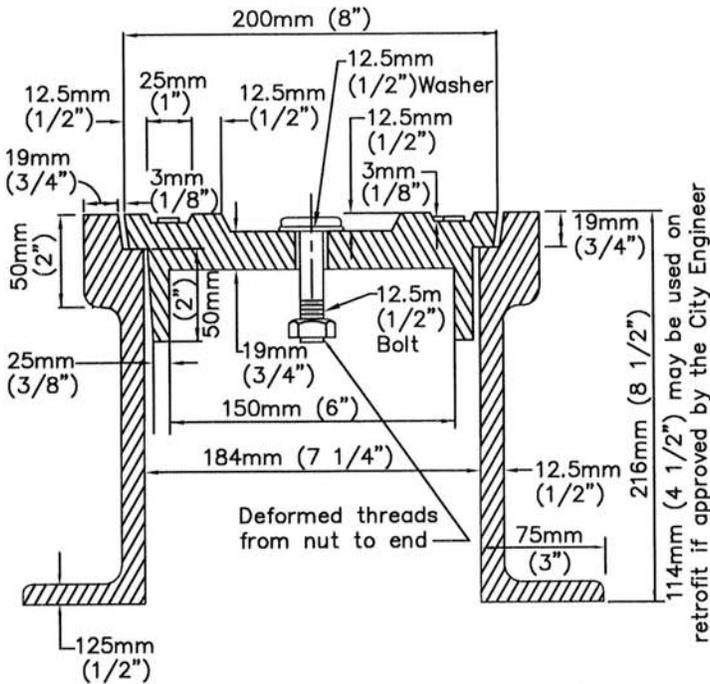
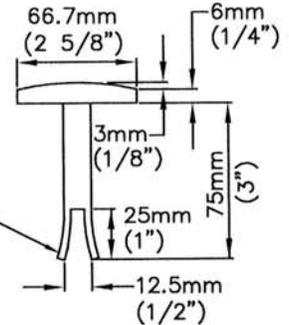
Red Brass  
Copper 85%  
Tin 5%  
Zinc 5%  
Lead 5%

**NOTE:**

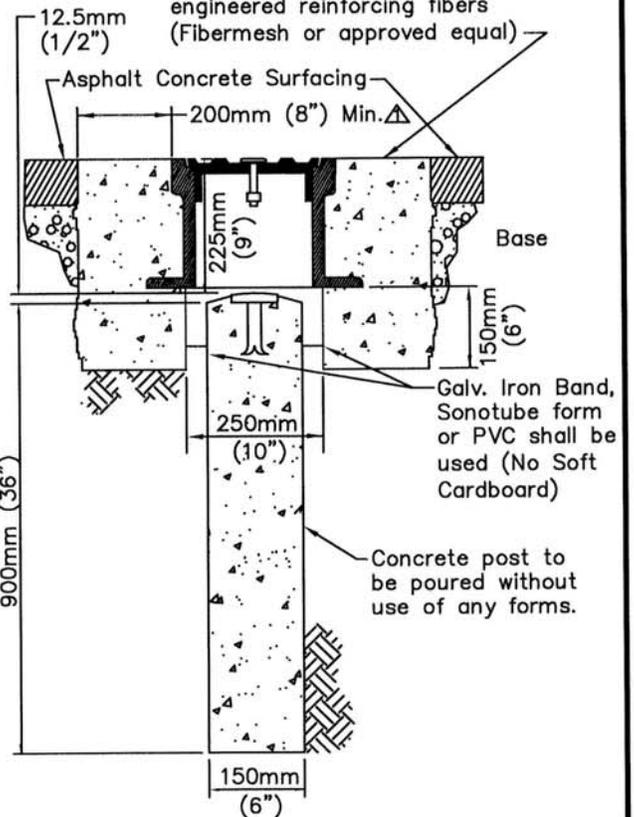
Frame and cover shall be: Phoenix Iron Works Catalog No. P-2001, D & L Supply Catalog No. K-6001, or approved equal

Disc shall be obtained from the City of San Leandro

Spread as indicated



△390-C-28 (660-C-4000, 7 sk, 25mm (1") Max. aggregate 4000 psi with 2.7kg (6 lbs) of lampblack and 0.68kg (1 1/2 lbs) concrete engineered reinforcing fibers (Fibermesh or approved equal)



**NOTES:**

- All work shall be done in accordance with the Standard Specifications for Public Works Construction, the "GREENBOOK", the most current edition and all supplements thereto, adopted by the Southern California Chapter of the American Public Works Association and the Special Provisions (Technical Specifications) thereto adopted by the City.
- Concrete for post shall be 213-C-17 (470-C-2500, 5sk, 25mm (1") max. aggregate, 2500 psi) top of monument shall have a smooth, rounded finish.
- Installation shall conform to Utility Frame and Cover Adjustment Dwg. 222 Case 3101.

114mm (4 1/2") may be used on retrofit if approved by the City Engineer

ACAD FILE: C3101D134 Rev1.DWG.

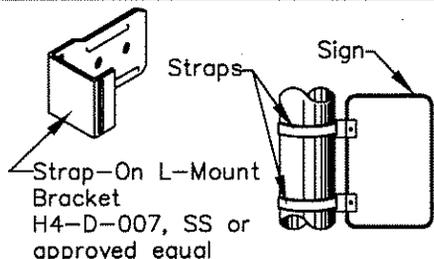
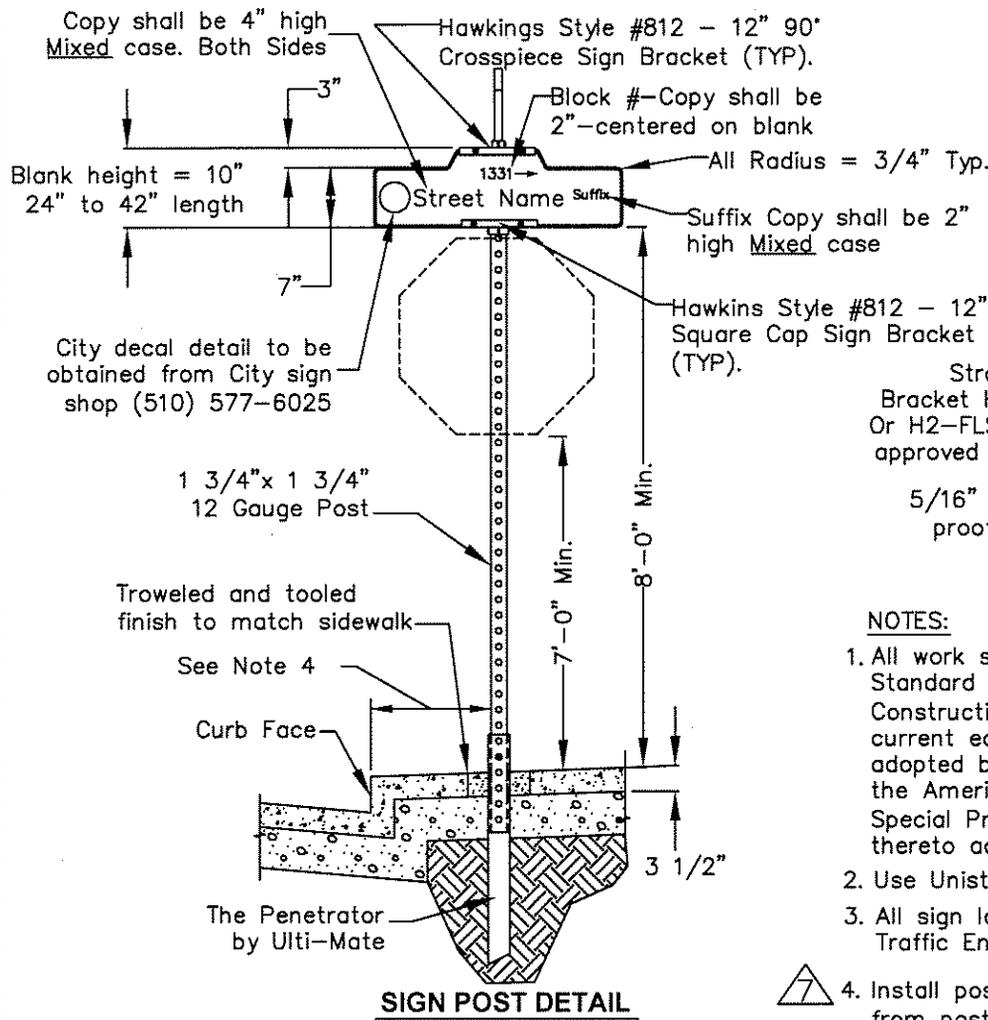
**CITY OF SAN LEANDRO \* STANDARD PLANS**

NO.	REVISIONS	DATE
1	REVISED NOTES	10/3/05

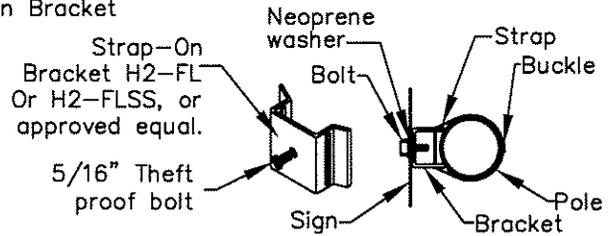
**SURVEY MONUMENT**

APPROVED   
Kenneth Joseph, City Engineer R.C.E. No.34870  
Expires 9/30/07

DRAWN GF/MLWH/VL	CHECKED KJ/KRC	DATE May 2002	SCALE NONE	SHEET 1 OF 1	DWG. NO. 134	CASE. 3101
------------------	----------------	---------------	------------	--------------	--------------	------------



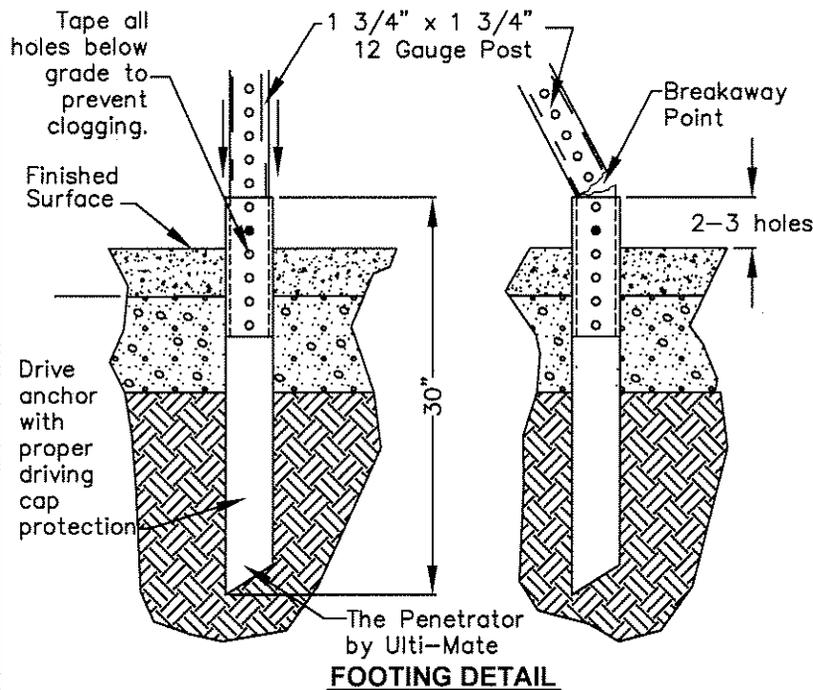
**ELECTROLIER MOUNT DETAIL  
FOR DOUBLE FACED SIGNS**



**ELECTROLIER MOUNT DETAIL  
FOR SINGLE FACE SIGNS**

**NOTES:**

1. All work shall be done in accordance with the Standard Specifications for Public Works Construction, the "GREENBOOK", the most current edition and all supplements thereto, adopted by the Southern California Chapter of the American Public Works Association and the Special Provisions (Technical Specifications) thereto adopted by the City.
2. Use Unistrut Telespar System or approved equal.
3. All sign locations shall be approved by a City Traffic Engineer.
4. Install posts 21" from curb face when distance from post to back of sidewalk is 4' or greater. Otherwise install post behind sidewalk.
5. Install combined sign when possible to reduce number of sign posts.
6. Fasten signs to posts with Aluminum Rivets or approved equal.
7. Posts shall be pre-galvanized per ASTM A-525 coating designation G90.
8. Core drill sidewalk or remove complete sidewalk panel.
9. Use SS bolts and hardware. Do not over torque bolts.
10. Sign blank type—"Hump back Sign"—10" height w/12" hump length—Western Highway # 2NA10F - .125" gauge aluminum. Length to be 24", 30", 36", or 42".
11. Reflective sheeting shall be 3M Reflective Sheeting DG3 White 4090. Top Sheeting—Transparent, acrylic, colored film with Pressure Sensitive adhesive for application over reflective sheeting—Electro Cut TM Film green 1177, or approved equal.
12. Font to be Highway Gothic "C"Non-AK REV. D.



**CITY OF SAN LEANDRO \* STANDARD PLANS**

NO.	REVISIONS	DATE	BY
△	Revised note 4	6/2/15	DG

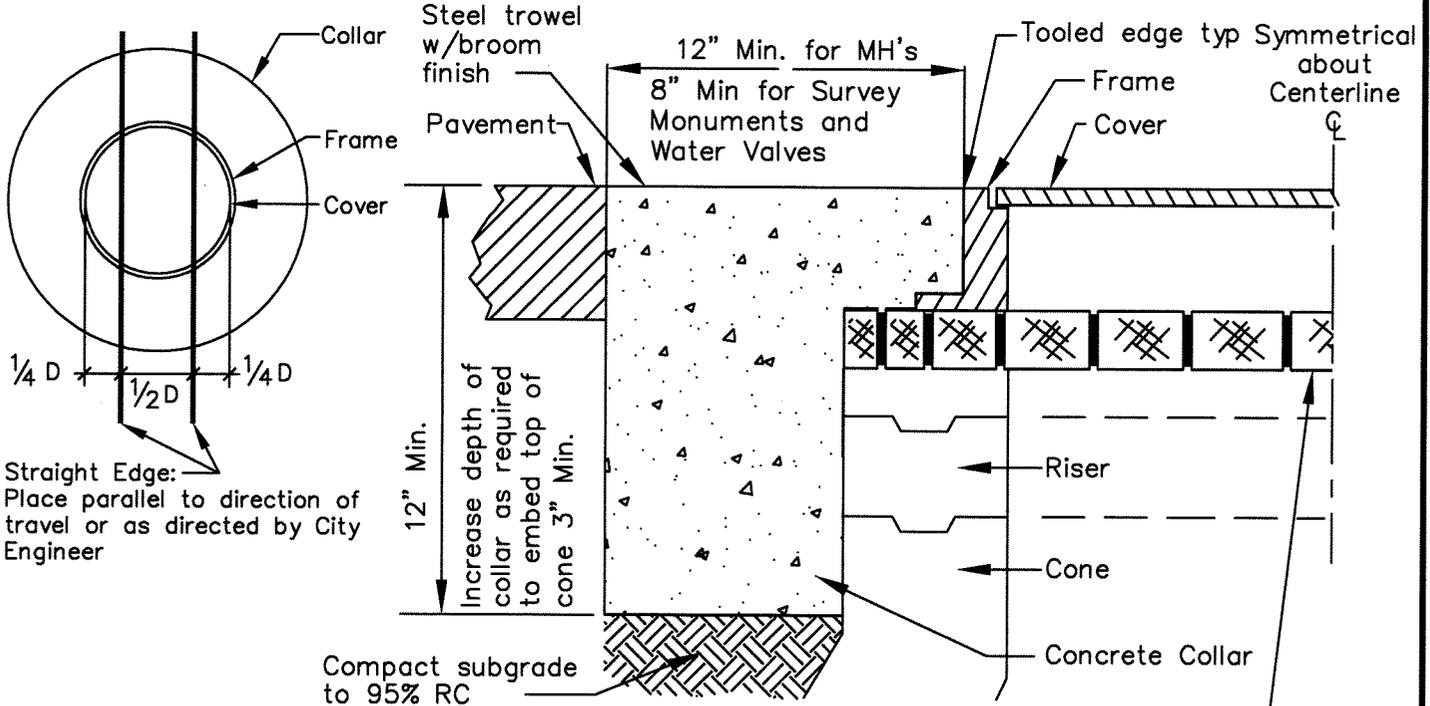
**SIGN INSTALLATION AND MOUNTING DETAIL**

APPROVED   
 Nick Thorn, City Engineer R.C.E. No. 54659  
 Expires 12/31/15

DRAWN GF/MLWH/VL CHECKED KJ/KRC DATE May 2002 SCALE NONE SHEET 1 OF 1

DWG. NO. 136 CASE. 3101

Frame, cover and collar to be flush with the elevation of surrounding pavement as determined with straight edge as shown below. See notes for tolerance.



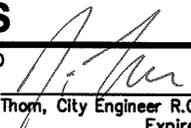
Set utility frame to grade with brick and mortar shims and plaster the inside wall with class "D" mortar.

**Notes:**

1. All work shall be done in accordance with the Standard Specifications for Public Works Construction, the "GREENBOOK", the most current edition and all supplements thereto, adopted by the Southern California Chapter of the American Public Works Association and the Special Provisions (Technical Specifications) thereto adopted by the City.
2. Frame and cover shall be installed flush with finish grade  $\pm \frac{1}{8}$ " in paved areas. Frames on residential streets or within pedestrian crossing zones of any street shall be reset to finish grade when the vertical offset exceeds ADA maximum offset of  $\frac{1}{4}$ " vertical or  $\frac{1}{2}$ " if beveled 2:1. Frames on other streets and outside crossing zones shall be reset to grade when the vertical offset is equal to or greater than  $\frac{3}{4}$ ".
3. Frame and cover shall be installed 3" above finish grade  $\pm \frac{1}{4}$ " in non-paved areas. Concrete collar shall be sloped so that the outside edge is 1" below the inside edge in non-paved areas.
4. Concrete shall be 660-C-4000, 7 sack, 1" max aggregate, 4000 psi with 6lbs of lampblack and 1.5lbs of engineered reinforcing fibers (fibermesh or equal) per cubic yard. Concrete shall be poured before 12 noon. Concrete shall be protected with steel trench plates until it can support traffic without damage, 3 days min.
5. When multiple structures are being set to grade work shall be phased so that vehicle traffic doesn't have to weave between obstructions. Coordinate work locations with the City Engineer.
6. Structures lowered for paving operations shall be referenced to points outside the work area so that they can be located accurately after paving. Said structures shall be lowered so that no portion is in conflict with the lowest grading plane. False bottoms shall be installed in all storm and sewage structures prior to lowering and shall be removed immediately after the frame and cover is reinstalled.

ACAD FILE NO. C3101D222 Rev3.DWG.

**CITY OF SAN LEANDRO \* STANDARD PLANS**

NO. REVISIONS DATE			UTILITY FRAME AND COVER ADJUSTMENT			APPROVED	
						 Nick Thom, City Engineer R.C.E. No.54659 Expires 12/31/15	
DRAWN		CHECKED	DATE August 2015	SCALE NONE	SHEET 1 OF 1	DWG. NO. 222 CASE. 3101	

# TRAFFIC CONTROL PLAN GUIDELINES

Temporary traffic control shall be provided around work zones for the safety and protection of the workers and public traffic in conformance with the Manual on Uniform Traffic Control Devices (MUTCD) 2003 and the MUTCD 2003 California Supplement, Part 6 Temporary Traffic Control, when work is being performed within the roadway or road shoulder. Traffic Control Plans shall be submitted and accepted by the City of San Leandro Engineering and Transportation Department for work being performed on a roadway listed on the attached Table – Traffic Control Plans Required. For roadways not listed, a Traffic Control Plan submittal is not required, however the temporary traffic controls shall conform to the MUTCD 2003 and MUTCD 2003 California Supplement, Part 6 Temporary Traffic Control.

Traffic Control Plans shall include:

- "Typical" Traffic Control Plans are acceptable for many non-intersection locations. Photo copies of the MUTCD 2003 and MUTCD 2003 California Supplement, Part 6 Temporary Traffic Control are acceptable. "Typical" traffic controls are not acceptable for intersection work. Site-specific Traffic Control Plans are required for intersections.
- Traffic Control Plans shall specify the signage, cones, flashing arrow panels and other devices that will be used to redirect traffic. Distances between signs, the taper length, and the lane widths shall be specified to illustrate conformance to above standards.
- Traffic Control Plans shall indicate where parking is proposed to be restricted. The duration of the parking restriction shall be indicated. "No Parking" Signs provided by the City shall be posted and verified by Engineer 72 hours prior to effective dates.
- The dates and hours of the proposed Traffic Control Plan shall be specified.
- No work that interferes with public traffic on collector and arterial roadways shall be performed between the hours of 6:00 a.m. to 9:00 a.m., nor between 3:00 p.m. and 6:00 p.m. except as otherwise provided in the lane closure chart(s) or approved by the Engineer.
- The full width of the traveled way shall be open for use by public traffic on Saturdays, Sundays, and designated legal holidays; after 3:00 p.m. on Fridays, and the day proceeding designated legal holidays; and when construction operations are not actively in progress, unless approved by Engineer.
- For multi-phase operations, such as trenching across a roadway one lane at a time, provide a separate Traffic Control Plan for each phase. Each Traffic Control Plan should state the approximate duration of the phase.
- Flashing Arrow Panel shall be required per attached Table – Traffic Control Plans Required. When two of three lanes will be taken, then two arrow panels will be required. Multiple lane closures require multiple Flashing Arrow Panels. The Engineer may require changeable message signs in addition to the arrow panel.
- Excavations exceeding 6" in depth and within 6 feet of a travel lane, require K-rail between the excavation and the travel lane unless otherwise approved by the Engineer.
- Residents and businesses affected by the Traffic Control Plans shall be provided notification 7 days in advance. For a roadway closure/detours 14 days advance notification, including advance warning signs, are required.
- The Engineer may provide lane closure charts that specify minimum travel lane requirements for specific times for the contractor to prepare the Traffic Control Plans accordingly.
- The San Leandro Police Department (510) 577-3208, Alameda County Fire Department (510) 670-5858 and A.C. Transit (510) 891-4901 if applicable – shall be notified of daily closures, detours, etc.

For questions about these requirements please contact the City of San Leandro Transportation Section at (510) 577-3410.

ACAD FILE NO. C3101D608ABC Rev1.DWG

## CITY OF SAN LEANDRO \* STANDARD PLANS

NO.	REVISIONS	DATE	BY	<b>TRAFFIC CONTROL PLAN</b> <b>△ GUIDELINES</b>			APPROVED 
△	ADDED "GUIDELINES" TO TITLE	10/1/07	AMS				Kenneth Joseph, City Engineer R.C.E. No.34870 Expires 9/30/09
DRAWN GF/MLWH/VL		CHECKED KJ/KRC	DATE October 2007	SCALE NONE	SHEET 1 OF 3	DWG. NO. <u>608A</u> CASE. <u>3101</u>	

**TRAFFIC CONTROL PLANS REQUIRED**

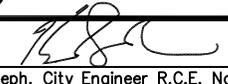
Street Name	Begin	End	Classification	Flashing Arrow Panel	Caltrans ROW
136TH AVE	E 14TH ST	SCHOOL ST	RES. COLLECTOR	NO	⊙ E 14TH ST
143RD AVE	WASHINGTON AVE	E 14TH ST	COLLECTOR	NO	⊙ E 14TH ST
148TH AVE	E 14TH ST	BANCROFT AVE	LOCAL	NO	⊙ E 14TH ST
150TH AVE	HESPERIAN BLVD	I-580	ARTERIAL	YES	⊙ E 14TH ST & I-580 OFF RAMP
ADAMS AVE	DOOLITTLE DR	BIGGE ST	COLLECTOR	NO	⊙ DOOLITTLE DR
ALADDIN AVE	TEAGARDEN ST	ALVARADO ST	ARTERIAL	YES	⊙ DAVIS ST
ALVARADO ST	DAVIS ST	MARINA BLVD	COLLECTOR	YES	
ALVARADO ST	MARINA BLVD	FREMONT AVE	ARTERIAL	YES	
ALVARADO ST	FREMONT AVE	PORTOLA ST	RES. COLLECTOR	NO	
AURORA DR	WILLIAMS ST	FAIRWAY DR	RES. COLLECTOR	NO	
BANCROFT AVE	N/CITY LIMIT-DURANT AVE	E 14TH ST	RES. ARTERIAL	YES	⊙ E 14TH ST
BEATRICE ST	W/O FREEWAY OFF RAMP	KESTERSON ST	RES. COLLECTOR	YES	⊙ I-580 OFF RAMP
BENEDICT DR	ESTUDILLO AVE	SOUTH CITY LIMITS	COLLECTOR	YES	⊙ I-580 ON/OFF RAMPS
BEST AVE	SAN LEANDRO BLVD	E 14TH ST	RES. COLLECTOR	NO	
BIGGE ST	N CITY LIMITS	S SIDE ADAMS AVE	COLLECTOR	NO	
BLOSSOM WAY	E 14TH ST	BANCROFT AVE	COLLECTOR	NO	⊙ E 14TH ST
BROADMOOR BLVD	E 14TH ST	BANCROFT AVE	LOCAL	YES	⊙ E 14TH ST
CALLAN AVE	E 14TH ST	HUFF AVE	RES. ARTERIAL	YES	⊙ E 14TH ST
CALLAN AVE	HUFF AVE	BANCROFT AVE	COLLECTOR	YES	
CASTRO ST	SAN LEANDRO BLVD	E 14TH ST	COLLECTOR	YES	⊙ E 14TH ST
CATALINA ST	FAIRWAY DR	FARALLON DR	COLLECTOR	NO	
CORVALLIS ST	OWATTA AVE	FARNSWORTH ST	LOCAL	NO	
DAVIS ST	WEST END	DOOLITTLE DR	COLLECTOR	YES	⊙ DOOLITTLE DR
DAVIS ST	DOOLITTLE DR	E 14TH ST	ARTERIAL	YES	BTWN DOOLITTLE DR & E 14TH ST
DOLORES AVE	E 14TH ST	BANCROFT AVE	COLLECTOR	YES	
DOLORES AVE	BANCROFT AVE	GRAND AVE	RES. COLLECTOR	NO	⊙ E 14TH ST
DOOLITTLE DR	NORTH CITY LIMITS	FAIRWAY DR	ARTERIAL	YES	NORTH OF DAVIS ST
DOOLITTLE DR	FAIRWAY DR	FARALLON DR	COLLECTOR	YES	
DOWLING BLVD	DUTTON AVE	BANCROFT AVE	LOCAL	NO	
DURANT AVE	E 14TH ST	MACARTHUR BLVD	RES. COLLECTOR	NO	⊙ E 14TH ST
DUTTON AVE	E 14TH ST	MACARTHUR BLVD	RES. COLLECTOR	YES	⊙ E 14TH ST
E 14TH ST	NORTH CITY LIMITS	SOUTH CITY LIMITS	ARTERIAL	YES	ENTIRE LENGTH
ESTABROOK ST	WASHINGTON AVE	E 14TH ST	COLLECTOR	YES	⊙ E 14TH ST
ESTUDILLO AVE	E 14TH ST	HUFF AVE	COLLECTOR	YES	⊙ E 14TH ST
ESTUDILLO AVE	HUFF AVE	MACARTHUR BLVD	RES. ARTERIAL	YES	⊙ I-580 ON/OFF RAMPS
EVERGREEN AVE	SYBIL AVE	W OF SCHOOL ST	RES. COLLECTOR	NO	
FAIRMONT DR	HESPERIAN BLVD	E 14TH ST	ARTERIAL	YES	⊙ E 14TH ST
FAIRWAY DR	NEPTUNE DR	DOOLITTLE DR	RES. COLLECTOR	YES	
FAIRWAY DR	DOOLITTLE DR	ALADDIN AVE	ARTERIAL	YES	
FARALLON DR	DOOLITTLE DR	WICKS BLVD	COLLECTOR	YES	
FARGO AVE	FARNSWORTH ST	WASHINGTON AVE	RES. COLLECTOR	YES	
FARNSWORTH ST	CORVALLIS ST	LEWELLING BLVD	RES. COLLECTOR	YES	
FLORESTA BLVD	CORVALLIS ST	FREMONT AVE	RES. ARTERIAL	YES	
FLORESTA BLVD	FREMONT AVE	WASHINGTON AVE	ARTERIAL	YES	

ACAD FILE NO. C3101D608ABC Rev1.DWG

**CITY OF SAN LEANDRO \* STANDARD PLANS**

NO.	REVISIONS	DATE	BY
1	ADDED "GUIDELINES" TO TITLE	10/1/07	AMS

**TRAFFIC CONTROL PLAN**  
**△ GUIDELINES**

APPROVED   
 Kenneth Joseph, City Engineer R.C.E. No.34870  
 Expires 9/30/09

TRAFFIC CONTROL PLANS REQUIRED						
Street Name	Begin	End	Classification	Flashing Arrow Panel	Caltrans ROW	
FREMONT AVE	ALVARADO ST	FLORESTA BLVD	ARTERIAL	YES		
GRAND AVE	JOAQUIN AVE	BENEDICT DR	COLLECTOR	YES	@ I-580 ON/OFF RAMP	
HALCYON DR	WASHINGTON AVE	HESPERIAN BLVD	RES. ARTERIAL	YES		
HAYS ST	E 14TH ST	W JUANA AVE	LOCAL	YES		
HESPERIAN BLVD	E 14TH ST	LEWELLING BLVD	ARTERIAL	YES	@ HWY 238 ON RAMP	
HUFF AVE	CALLAN AVE	ESTUDILLO AVE	RES. ARTERIAL	YES		
JUANA AVE	E 14TH ST	BANCROFT AVE	COLLECTOR	YES	@ E 14TH ST	
JUANA AVE	BANCROFT AVE	GRAND AVE	RES. COLLECTOR	YES		
JUNIPER ST	WILLOW AVE	MANOR BLVD	LOCAL	NO		
KESTERSON ST	MANOR BLVD	BEATRICE ST	RES. COLLECTOR	YES		
LAKE CHABOT RD	ESTUDILLO AVE	CITY LIMITS	RES. COLLECTOR	YES		
LARK ST	138TH AVE	150TH AVE	LOCAL	NO		
LEWELLING BLVD	WICKS BLVD	WASHINGTON AVE	RES. ARTERIAL	YES		
LEWELLING BLVD	WASHINGTON AVE	HESPERIAN BLVD	ARTERIAL	YES	@ I-880 OFF RAMP	
MACARTHUR BLVD	N CITY LIMITS	JOAQUIN AVE	ARTERIAL	YES	@ I-580 OFF RAMP	
MANOR BLVD	WICKS BLVD	KESTERSON ST	COLLECTOR	YES		
MARINA BLVD	NEPTUNE DR	DOOLITTLE DR	RES. ARTERIAL	YES		
MARINA BLVD	DOOLITTLE DR	SAN LEANDRO BLVD	ARTERIAL	YES	@ I-880 ON/OFF RAMP	
MARINA BLVD	SAN LEANDRO BLVD	WASHINGTON AVE	COLLECTOR	YES		
MERCED ST	WILLIAMS ST	WICKS BLVD	ARTERIAL	YES		
MERCED ST	WICKS BLVD	WILLOW AVE	LOCAL	YES		
MONARCH BAY DR	MARINA BLVD	FAIRWAY DR	COLLECTOR	YES		
MONTEREY BLVD	PORTOLA DR	WASHINGTON AVE	RES. COLLECTOR	YES		
NEPTUNE DR	WILLIAMS ST	MARINA BLVD	RES. COLLECTOR	NO		
PARK ST	W BROADMOOR BLVD	SAN LEANDRO BLVD	COLLECTOR	NO		
PARROTT ST	HAYS ST	E 14TH ST	LOCAL	NO	@ E 14TH ST	
POLVOROSA ST	AURORA DR	DOOLITTLE DR	COLLECTOR	NO		
PURDUE ST	JUNIPER ST	FARNSWORTH ST	LOCAL	NO		
SAN LEANDRO BLVD	N CITY LIMITS	E 14TH ST	ARTERIAL	YES	@ E 14TH ST	
SPRINGLAKE DR	WASHINGTON AVE	HESPERIAN BLVD	COLLECTOR	YES	@ HWY 238 OFF RAMP	
SYBIL AVE	E 14TH ST	GRAND AVE	RES. COLLECTOR	YES	@ E 14TH ST	
TEAGARDEN ST	MARINA BLVD	ALVARADO ST	COLLECTOR	YES		
TIMOTHY DR	DAVIS ST	WILLIAMS ST	LOCAL	YES	@ DAVIS ST	
W JUANA AVE	SAN LEANDRO BLVD	E 14TH ST	COLLECTOR	YES	@ E 14TH ST	
WASHINGTON AVE	W JUANA AVE	SAN LEANDRO BLVD	COLLECTOR	YES		
WASHINGTON AVE	SAN LEANDRO BLVD	SOUTH CITY LIMITS	ARTERIAL	YES	@ I-880 ON/OFF RAMP	
WAYNE AVE	DAVIS ST	MARINA BLVD	RES. COLLECTOR	NO	@ DAVIS ST	
WESTGATE PARKWAY	DAVIS ST	WILLIAMS ST	COLLECTOR	YES	@ DAVIS ST	
WICKS BLVD	MERCED ST	MANOR BLVD	ARTERIAL	YES		
WICKS BLVD	MANOR BLVD	LEWELLING BLVD	RES. ARTERIAL	YES		
WILLIAMS ST	NEPTUNE DR	DOOLITTLE DR	RES. COLLECTOR	YES		
WILLIAMS ST	DOOLITTLE DR	SAN LEANDRO BLVD	COLLECTOR	YES		
WILLIAMS ST	SAN LEANDRO BLVD	E 14TH ST	COLLECTOR	YES	@ E 14TH ST	
WILLOW AVE	MERCED ST	JUNIPER ST	LOCAL	NO		

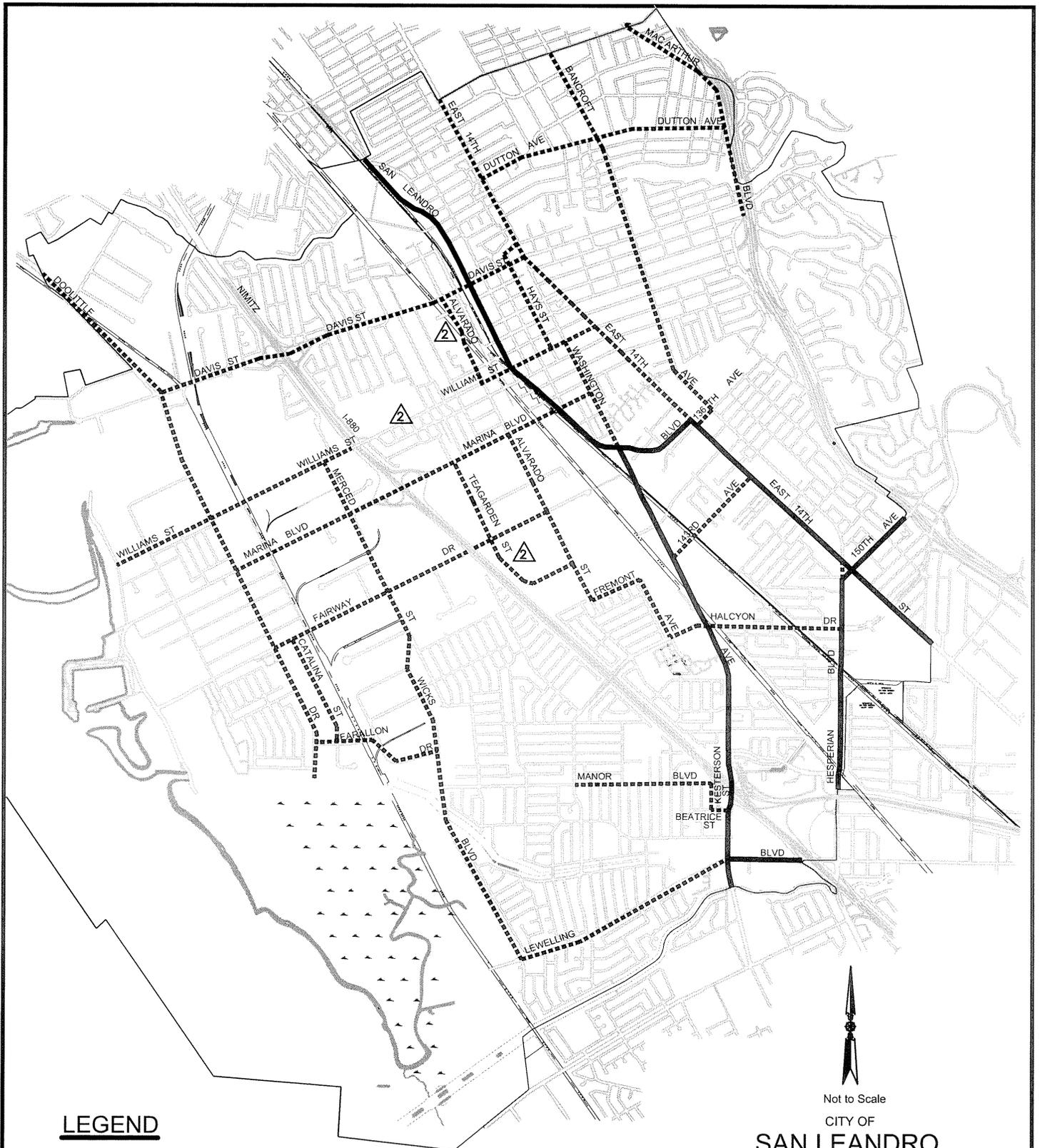
ACAD FILE NO. C3101D608C Rev1.DWG

## CITY OF SAN LEANDRO \* STANDARD PLANS

NO.	REVISIONS	DATE	BY
1	ADDED "GUIDELINES" TO TITLE	10/1/07	AMS

### TRAFFIC CONTROL PLAN GUIDELINES

APPROVED   
Kenneth Joseph, City Engineer R.C.E. No.34870  
Expires 9/30/09



Not to Scale

CITY OF

**SAN LEANDRO**  
TRUCK ROUTE MAP

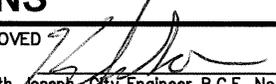
ACAD FILE NO.C3101D610 Rev2.DWG

**LEGEND**

-  THROUGH TRUCK ROUTES
-  LOCAL TRUCK ROUTES

-  ORDINANCE NO. 88-026
-  ORDINANCE NO. 2000-018

**CITY OF SAN LEANDRO \* STANDARD PLANS**

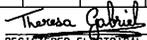
NO.	REVISIONS	DATE	BY	APPROVED									
2	DELETED TRUCK ROUTE - WILLIAMS ST FROM I-880 EAST TO ALVARADO ST. ADDED ROUTE - ALVARADO ST FROM WILLIAMS ST TO DAVIS ST AND TEAGARDEN FROM MARINA BLVD TO ALVARADO ST. ADDED ORNINANCE NUMBERS.	8/26/10	C.R.L	 Kenneth Joseph, City Engineer R.C.E. No.34870 Expires 9/30/11									
<p><b>TRUCK ROUTE MAP</b></p>													
DRAWN	AMS	CHECKED	KJ/KRC	DATE	May 2007	SCALE	NONE	SHEET	1 OF 1	DWG. NO.	610	CASE.	3101

**LEGEND:**

<b>AB</b>	ABANDON. IF APPLIED TO CONDUIT, REMOVE CONDUCTORS
<b>BC</b>	INSTALL PULL BOX IN EXISTING CONDUIT RUN
<b>BP</b>	PEDESTRIAN BARRICADE, TYPE AS INDICATED ON PLAN
<b>CB</b>	INSTALL CONDUIT INTO EXISTING PULL BOX
<b>CC</b>	CONNECT NEW AND EXISTING CONDUIT. REMOVE EXISTING CONDUCTORS AND INSTALL CONDUCTORS AS INDICATED
<b>CF</b>	CONDUIT TO REMAIN FOR FUTURE USE. REMOVE CONDUCTORS. INSTALL PULL TAPE
<b>DH</b>	DETECTOR HANDHOLE
<b>FA</b>	FOUNDATION TO BE ABANDONED
<b>IS</b>	INSTALL SIGN ON SIGNAL MAST ARM
<b>NS</b>	NO SLIP BASE ON STANDARD
<b>PEC</b>	PHOTOELECTRIC CONTROL
<b>FEL</b>	PHOTOELECTRIC UNIT
<b>RC</b>	EQUIPMENT OR MATERIAL TO BE REMOVED AND BECOME THE PROPERTY OF THE CONTRACTOR
<b>RE</b>	REMOVE ELECTROLIER, FUSES AND BALLAST. TAPE ENDS OF CONDUCTORS
<b>RL</b>	RELOCATE EQUIPMENT
<b>RR</b>	REMOVE AND REUSE EQUIPMENT
<b>RS</b>	REMOVE AND SALVAGE EQUIPMENT
<b>SC</b>	SPLICE NEW TO EXISTING CONDUCTORS
<b>SD</b>	SERVICE DISCONNECT
<b>TSP</b>	TELEPHONE SERVICE POINT

**ABBREVIATIONS**

AC+	UNDERGROUNDED CONDUCTOR	MAT	MAST ARM MOUNTING TOP ATTACHMENT
APS	ACCESSIBLE PEDESTRIAN SIGNAL	MAS	MAST ARM MOUNTING SIDE ATTACHMENT
Batt	BATTERY	MBS	MANUAL BYPASS SWITCH
BBS	BATTERY BACKUP SYSTEM	M/W	MULTIPLE TO MULTIPLE TRANSFORMER
BC	BOLT CIRCLE	Mtg	MOUNTING
Blk	BLACK	MV	MERCURY VAPOR LIGHTING FIXTURE
BP	BYPASS	MVDS	MICROWAVE VEHICLE DETECTION SYSTEM
BPB	BICYCLE PUSH BUTTON	N	NEUTRAL (GROUNDED CONDUCTOR)
C	CONDUIT	NB	NEUTRAL BUS
CB	CIRCUIT BREAKER	NC	NORMALLY CLOSE
CCTV	CLOSED CIRCUIT TELEVISION	NO	NORMALLY OPEN
CK+	CIRCUIT	P	CIRCUIT BREAKER'S POLE
CMS	CHANGEABLE MESSAGE SIGN	PB	PULL BOX
C+id	CALTRANS IDENTIFICATION	PBA	PUSH BUTTON ASSEMBLY
Comm	COMMUNICATION	PEC	PHOTOELECTRIC CONTROL
CntI	CONTROL	PeD	PEDESTRIAN
DF	DEPARTMENT-FURNISHED	PEU	PHOTOELECTRIC UNIT
DLC	LOOP DETECTOR LEAD-IN CABLE	PT	CONDUIT WITH PULL TAPE
EHS	EXTINGUISHABLE MESSAGE SIGN	PTR	POWER TRANSFER RELAY
EVUC	EMERGENCY VEHICLE UNIT CABLE	RE	RELOCATED EQUIPMENT
EVUD	EMERGENCY VEHICLE UNIT DETECTOR	RM	RAMP METERING
FB	FLASHING BEACON	RWIS	ROADSIDE WEATHER INFORMATION SYSTEM
FBCA	FLASHING BEACON CONTROL ASSEMBLY	SB	SLIP BASE
FBS	FLASHING BEACON WITH SLIP BASE	SIC	SIGNAL INTERCONNECT CABLE
FO	FIBER OPTIC	Sig	SIGNAL
G	EQUIPMENT GROUNDING CONDUCTOR	SMA	SIGNAL MAST ARM
GB	GROUND BUS	SNS	STREET NAME SIGN
GFCI	GROUND FAULT CIRCUIT INTERRUPTER	SP	SERVICE POINT
Grn	GREEN	TB	TERMINAL BOARD
HAR	HIGHWAY ADVISORY RADIO	TDC	TELEPHONE DEMARCATION CABINET
Hex	HEXAGONAL	Temp	TEMPERATURE
HPS	HIGH PRESSURE SODIUM	TMS	TRAFFIC MONITORING STATION
IISNS	INTERNALLY ILLUMINATED STREET NAME SIGN	TOS	TRAFFIC OPERATIONS SYSTEM
ISL	INDUCTION SIGN LIGHTING	UPS	UNINTERRUPTABLE POWER SUPPLY
LED	LIGHT EMITTING DIODE	UPSC	UNINTERRUPTABLE POWER SUPPLY CONTROLLER
LMA	LUMINAIRE MAST ARM	Veh	VEHICLE
LPS	LOW PRESSURE SODIUM	VIVDS	VIDEO IMAGE VEHICLE DETECTION SYSTEM
Ltg	LIGHTING	WhT	WHITE
Lum	LUMINAIRE	WIM	WEIGH-IN-MOTION
M	METERED	Xfmr	TRANSFORMER

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
 REGISTERED ELECTRICAL ENGINEER Theresa Gabriel No. E15129 Exp. 8-30-16 ELECTRICAL STATE OF CALIFORNIA					
October 30, 2015 PLANS APPROVAL DATE					
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.					

TO ACCOMPANY PLANS DATED \_\_\_\_\_

**SOFFIT AND WALL-MOUNTED LUMINAIRES**

- ◻ PENDANT SOFFIT LUMINAIRE, 70 W HPS UNLESS OTHERWISE SPECIFIED
- ◌ FLUSH-MOUNTED SOFFIT LUMINAIRE, 70 W HPS UNLESS OTHERWISE SPECIFIED
- ◻ WALL-MOUNTED LUMINAIRE, 70 W HPS UNLESS OTHERWISE SPECIFIED
- ◌⊗ EXISTING SOFFIT OR WALL-MOUNTED LUMINAIRE TO REMAIN UNMODIFIED
- ◌Ⓜ EXISTING SOFFIT OR WALL-MOUNTED LUMINAIRE TO BE MODIFIED AS SPECIFIED

**NOTE:**  
Arrow indicates "street side" of luminaire.

COMMONLY USED SYMBOLS FOR UNITED STATES CUSTOMARY UNITS OF MEASUREMENT:

SYMBOL	DEFINITIONS
Ω	OHMS
min	MINUTE
s	SECOND
bps	BITS PER SECOND
Bps	BYTES PER SECOND
A	AMPERE
v	VOLT
V <sub>DC</sub>	VOLT (DIRECT CURRENT)
V <sub>AC</sub>	VOLT (ALTERNATING CURRENT)
FC	FOOT - CANDLE
W	WATTS
VA	VOLT-AMPERE
M	MEGA
k	KILO
m	MILLI
μ	MICRO
P	PICO
Hz	HERTZ

**MISCELLANEOUS ELECTROLIERS**

NEW	EXISTING	
		LUMINAIRE ON WOOD POLE
		NON-STANDARD ELECTROLIER (SEE PROJECT LEGEND)
		CITY ELECTROLIER
		ELECTROLIER FOUNDATION (FUTURE INSTALLATION)

**NOTES:**

- LED luminaires shall be 235 W when installed on Type 21, 21D, 30, 31 and 32 Standards, unless otherwise specified. LED luminaires shall be 165 W when installed on other type standards or poles, unless otherwise specified.
- Luminaires shall be the cutoff type, ANSI Type III medium cutoff lighting distribution, unless otherwise specified.

**STANDARD ELECTROLIER**

NEW	EXISTING	STANDARD TYPE
		15
		15D
		15 STRUCTURE
		15D STRUCTURE
		21
		21D
		21 STRUCTURE
		21D STRUCTURE
		30
		31
		32

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**ELECTRICAL SYSTEMS  
(LEGEND AND ABBREVIATIONS)**  
NO SCALE

RSP ES-1A DATED OCTOBER 30, 2015 SUPERSEDES RSP ES-1A DATED JULY 19, 2013 AND STANDARD PLAN ES-1A DATED MAY 20, 2011 - PAGE 425 OF THE STANDARD PLANS BOOK DATED 2010.

**REVISED STANDARD PLAN RSP ES-1A**

2010 REVISED STANDARD PLAN RSP ES-1A

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

*Theresa Gabriel*  
 REGISTERED ELECTRICAL ENGINEER  
 October 30, 2015  
 PLANS APPROVAL DATE  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

TO ACCOMPANY PLANS DATED \_\_\_\_\_

**SIGNAL EQUIPMENT Cont**

<b>NEW</b>	<b>EXISTING</b>	
●	○	GUARD POST
○	○	TYPE 1 STANDARD WITH RAMP METERING SIGN
▶	▶	OPTICAL DETECTOR FOR THE EMERGENCY VEHICLE DETECTION

**NOTES:**

1. All signal sections shall be 12" unless shown otherwise.
2. Signal heads shall be provided with backplates unless shown otherwise.

**ILLUMINATED OVERHEAD SIGN**

<b>NEW</b>	<b>EXISTING</b>	
■	□	SINGLE POST, SINGLE ILLUMINATED SIGN, BALANCED BUTTERFLY
■	□	SINGLE POST, DOUBLE ILLUMINATED SIGN, BALANCED BUTTERFLY
■	□	SINGLE POST, SINGLE ILLUMINATED SIGN, FULL CANTILEVER
■	□	DOUBLE POST, SINGLE ILLUMINATED SIGN
■	□	SINGLE ILLUMINATED SIGN MOUNTED ON STRUCTURE
■	□	DOUBLE POST, SINGLE ILLUMINATED SIGN WITH ELECTROLIER

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**ELECTRICAL SYSTEMS**  
**(LEGEND AND ABBREVIATIONS)**  
 NO SCALE

RSP ES-18 DATED OCTOBER 30, 2015 SUPERSEDES RSP ES-18 DATED JULY 19, 2013 AND STANDARD PLAN ES-18 DATED MAY 20, 2011 - PAGE 426 OF THE STANDARD PLANS BOOK DATED 2010.

**REVISED STANDARD PLAN RSP ES-18**

2010 REVISED STANDARD PLAN RSP ES-18

**CONDUIT**

<b>NEW</b>	<b>EXISTING</b>	
---	---	LIGHTING CONDUIT, UNLESS OTHERWISE INDICATED OR NOTED
---	---	TRAFFIC SIGNAL CONDUIT
---	---	COMMUNICATION CONDUIT
---	---	TELEPHONE CONDUIT
---	---	FIRE ALARM CONDUIT
---	---	FIBER OPTIC CONDUIT
---	---	CONDUIT TERMINATION
○	○	CONDUIT RISER ATTACHED TO THE STRUCTURE OR SERVICE POLE

**SERVICE EQUIPMENT**

<b>NEW</b>	<b>EXISTING</b>	
---	---	OVERHEAD LINES
■	□	WOOD POLE, "U" INDICATES UTILITY OWNED
○	○	POLE GUY WITH ANCHOR
▲	▲	UTILITY TRANSFORMER - GROUND MOUNTED
■	□	SERVICE EQUIPMENT ENCLOSURE TYPE. DOOR INDICATES FRONT OF ENCLOSURE
■	□	TELEPHONE DEMARCATION CABINET

**POLE-MOUNTED SERVICE DESIGNATION**

■	■	TYPE H SERVICE, 28'-10"	TYPE OF INSTALLATION AND POLE HEIGHT ABOVE GRADE
---	---	-------------------------	--

**FLASHING BEACON**

<b>NEW</b>	<b>EXISTING</b>	
■	□	FLASHING BEACON (ONE VEHICLE SIGNAL HEAD WITH BACKPLATE AND VISOR) "R" INDICATES RED INDICATION, "Y" INDICATES YELLOW INDICATION
■	□	FLASHING BEACON WITH TYPE 15-FBS STANDARD AND A SIGN.
■	□	FLASHING BEACON WITH TYPES 9, 9A OR 9B SIGN UNLESS OTHERWISE SPECIFIED OR INDICATED

**SIGNAL EQUIPMENT**

<b>NEW</b>	<b>EXISTING</b>	
□	□	PEDESTRIAN SIGNAL HEAD
○	○	PUSH BUTTON ASSEMBLY POST
---	---	PEDESTRIAN BARRICADE
▶	▶	VEHICLE SIGNAL HEAD (WITH BACKPLATE AND 3-SECTIONS: RED, YELLOW AND GREEN)
▶	▶	VEHICLE SIGNAL HEAD WITH ANGLE VISOR
PV	PV	MODIFICATIONS OF BASIC SYMBOL: "L" INDICATES ALL NON-ARROW SECTIONS LOUVERED "LG" INDICATES LOUVERED GREEN SECTION ONLY "PV" INDICATES ALL 12" SECTIONS PROGRAMMED VISIBILITY "B" INDICATES ALL 8" SECTIONS (ONLY WHEN SPECIFIED)
▶	▶	VEHICLE SIGNAL HEAD CONSISTING OF RED, YELLOW AND GREEN LEFT ARROW SECTIONS
▶	▶	VEHICLE SIGNAL HEAD CONSISTING OF RED AND YELLOW SECTIONS WITH AN UP GREEN ARROW SECTION
▶	▶	VEHICLE SIGNAL HEAD (5 SECTION) CONSISTING OF RED, YELLOW AND GREEN SECTIONS WITH YELLOW AND GREEN RIGHT ARROW SECTIONS
■	□	TYPE 15TS STANDARD WITH VEHICLE SIGNAL HEAD AND LUMINAIRE
■	□	TYPE 21TS STANDARD WITH VEHICLE SIGNAL HEAD AND LUMINAIRE
■	□	STANDARD WITH LUMINAIRE AND SIGNAL MAST ARMS AND ATTACHED VEHICLE SIGNAL HEADS
■	□	TYPE 1 STANDARD WITH ATTACHED VEHICLE SIGNAL HEADS
■	□	STANDARD WITH A SIGNAL MAST ARM, ATTACHED VEHICLE SIGNAL HEADS AND INTERNALLY ILLUMINATED STREET NAME SIGN
■	□	CONTROLLER ASSEMBLY. DOOR INDICATES FRONT OF CABINET

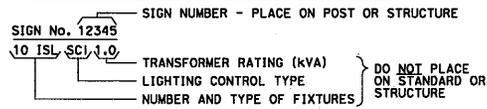
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET TOTAL No. SHEETS

*Theresa Gabriel*  
 REGISTERED ELECTRICAL ENGINEER  
 October 30, 2015  
 PLANS APPROVAL DATE  
 REGISTERED PROFESSIONAL ENGINEER  
 Theresa Gabriel  
 No. E15129  
 Exp. 6-30-18  
 ELECTRICAL  
 STATE OF CALIFORNIA

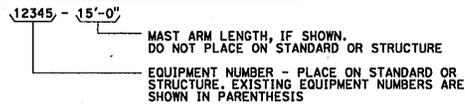
THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

### EQUIPMENT IDENTIFICATION

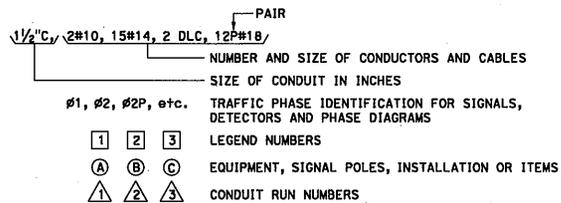
#### ILLUMINATED SIGN IDENTIFICATION NUMBER:



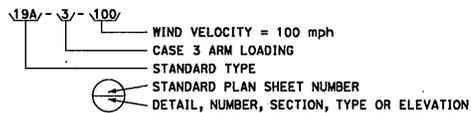
#### ELECTROLIER OR EQUIPMENT IDENTIFICATION NUMBER:



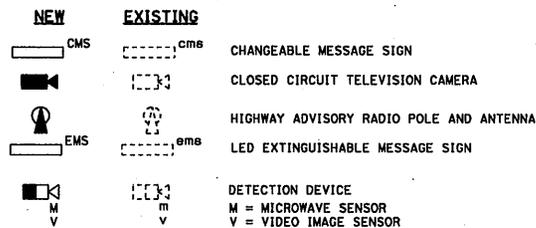
#### CONDUIT AND CONDUCTOR IDENTIFICATION:



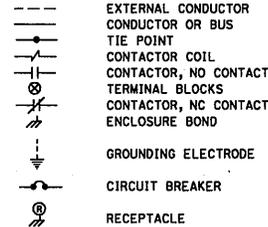
#### SIGNAL AND LIGHTING STANDARD (TYPICAL DESIGNATION):



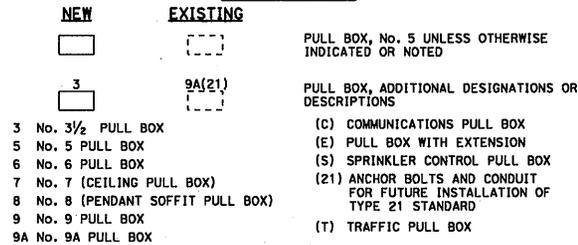
### MISCELLANEOUS EQUIPMENT



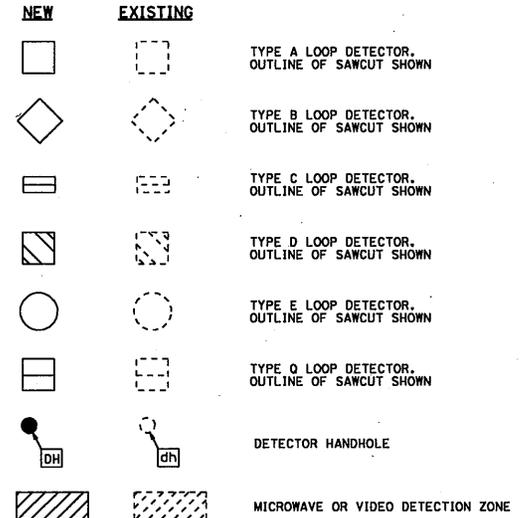
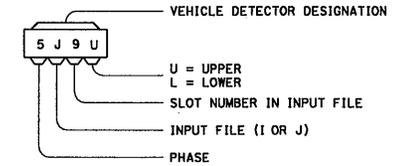
### WIRING DIAGRAM LEGEND



### PULL BOXES



### VEHICLE DETECTORS



STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION

## ELECTRICAL SYSTEMS (LEGEND AND ABBREVIATIONS)

NO SCALE

RSP ES-1C DATED OCTOBER 30, 2015 SUPERSEDES RSP ES-1C DATED JULY 19, 2013 AND STANDARD PLAN ES-1C DATED MAY 20, 2011 - PAGE 427 OF THE STANDARD PLANS BOOK DATED 2010.

**REVISED STANDARD PLAN RSP ES-1C**

2010 REVISED STANDARD PLAN RSP ES-1C

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

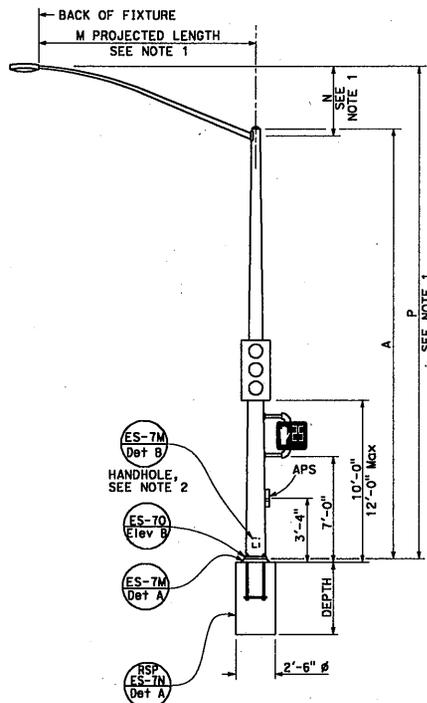
*Stanley P. Johnson*  
 REGISTERED CIVIL ENGINEER  
 October 30, 2015  
 PLANS APPROVAL DATE  
 THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.

REGISTERED PROFESSIONAL ENGINEER  
 Stanley P. Johnson  
 No. CS1793  
 Exp. 3-31-18  
 CIVIL  
 STATE OF CALIFORNIA

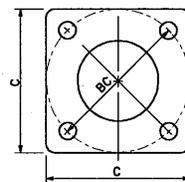
**NOTES:**

- For additional notes, details and data for Type 15TS and Type 21TS Standards, see Revised Standard Plan RSP ES-6A.
- Handhole shall be located on the downstream side of traffic.

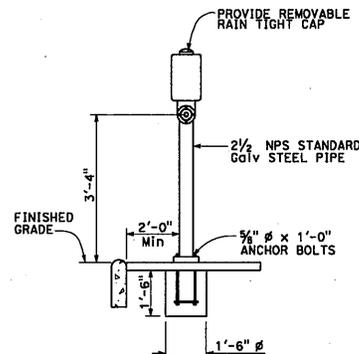
TO ACCOMPANY PLANS DATED \_\_\_\_\_



**TYPE 15TS AND 21TS STANDARD**  
**ELEVATION A**  
 (See Note 1)

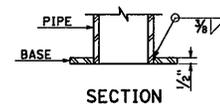


**BASE PLATE**  
**TYPE 15TS AND 21TS**  
**DETAIL A**

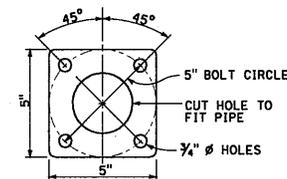


**ELEVATION**

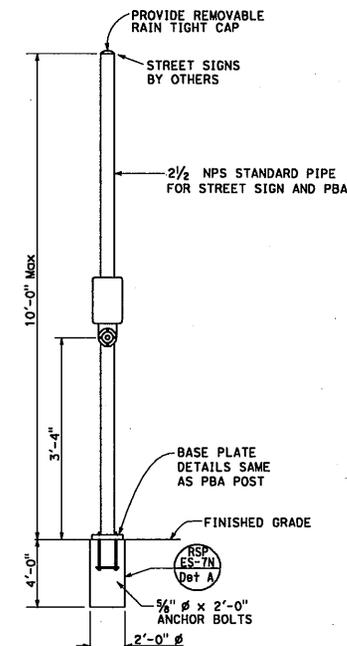
**PUSH BUTTON ASSEMBLY POST**  
**DETAIL B**



**SECTION**



**BASE PLATE**  
**PBA POST**



**COMBINED STREET SIGN**  
**PUSH BUTTON ASSEMBLY POST**  
**DETAIL C**

POLE TYPE	POLE DATA			WALL THICKNESS	BASE PLATE DATA			ANCHOR BOLT SIZE	DEPTH
	A HEIGHT	Min OD	TOP		C	BC = BOLT CIRCLE	THICKNESS		
15TS	30'-0"	8"	3 3/4"	0.1793"	1'-1 1/2"	1'-0"	2"	1 1/2" ø x 42"	7'-6"
21TS	35'-0"	9 3/8"	3 3/8"		1'-3"	1'-2"			8'-6"

STATE OF CALIFORNIA  
 DEPARTMENT OF TRANSPORTATION  
**ELECTRICAL SYSTEMS**  
**(SIGNAL AND LIGHTING STANDARD, TYPE TS,**  
**AND PUSH BUTTON ASSEMBLY POST)**  
 NO SCALE

RSP ES-7A DATED OCTOBER 30, 2015 SUPERSEDES RSP ES-7A DATED JULY 19, 2013 AND STANDARD PLAN ES-7A DATED MAY 20, 2011 - PAGE 462 OF THE STANDARD PLANS BOOK DATED 2010.

**REVISED STANDARD PLAN RSP ES-7A**

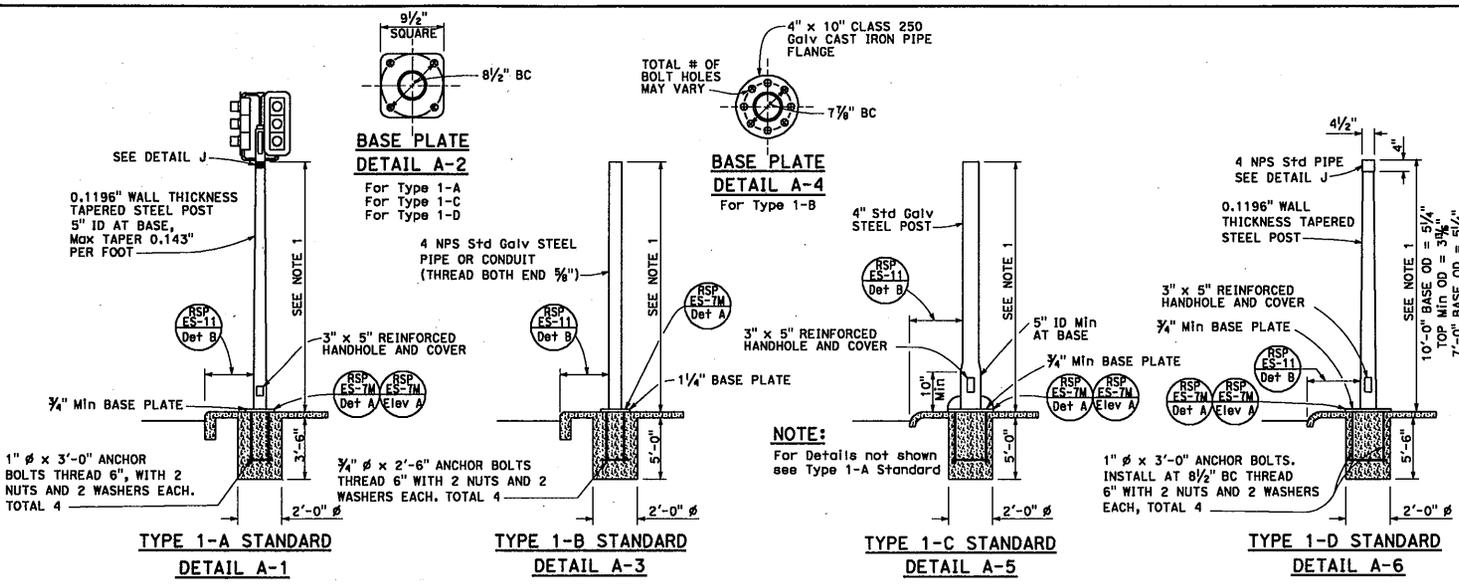
2010 REVISED STANDARD PLAN RSP ES-7A

Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No. TOTAL SHEETS
October 30, 2015 PLANS APPROVAL DATE				
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>				

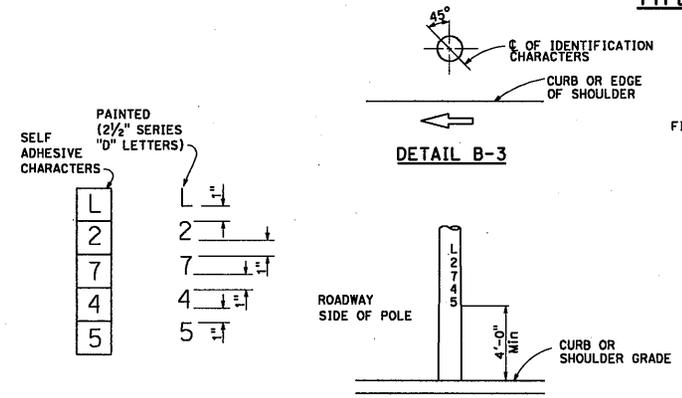
TO ACCOMPANY PLANS DATED \_\_\_\_\_

- NOTES:**
- Standards shall be 10'-0" ± 2" for vehicle signals and 7'-0" ± 2" for pedestrian signals unless shorter pole is noted on project plans.
  - Top of standards shall be 4 1/2" OD.
  - Conduits shall extend 2" maximum above finished surface of foundation and for Types 1-A, 1-C and 1-D shall be sloped toward handhole.
  - Anchor bolts shall be bonded to conduit or grounding conductor.
  - For additional notes and details, see Revised Standard Plans RSP ES-7M and RSP ES-7N.
  - Pour foundation concrete against undisturbed soil.
  - For standards with handhole, locate in the downstream side of traffic.
  - Coupling nuts to be used only when shown or specified on project plans.

2010 REVISED STANDARD PLAN RSP ES-7B



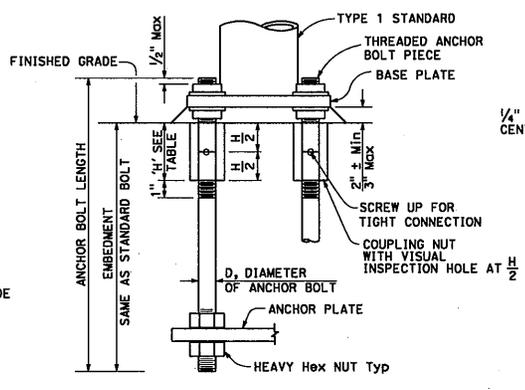
**TYPE 1 SIGNAL STANDARDS  
DETAIL A**



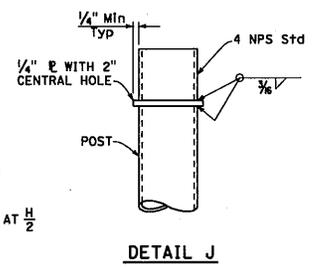
**IDENTIFICATION CHARACTER DETAIL  
DETAIL B-1**

**TYPICAL IDENTIFICATION CHARACTER FORMAT  
DETAIL B-2**

**LOCATION OF EQUIPMENT IDENTIFICATION CHARACTERS ON STANDARDS AND POSTS  
DETAIL B**



**ANCHOR BOLTS WITH SLEEVE NUTS  
DETAIL C  
(See Note 8)**



**DETAIL J**

BOLT DIAMETER	NUT TABLE THICKNESS 'H'
3/4"	2 1/4"
1"	3"

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION

**ELECTRICAL SYSTEMS  
(SIGNAL AND LIGHTING STANDARDS, TYPE 1  
AND EQUIPMENT IDENTIFICATION CHARACTERS)**

NO SCALE

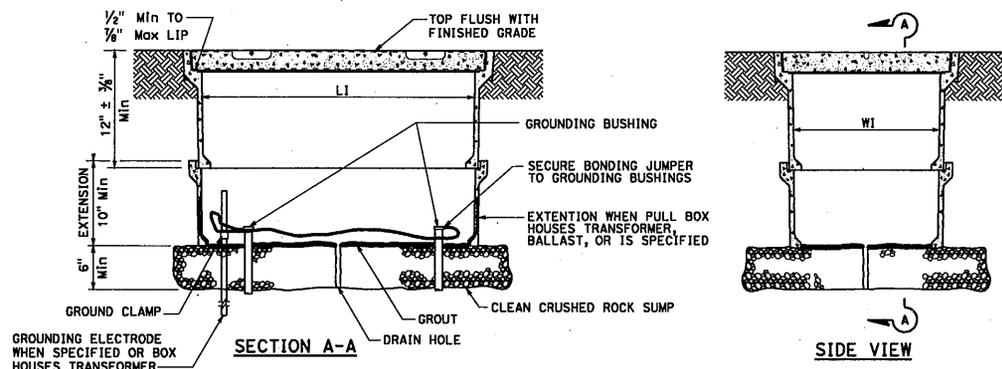
RSP ES-7B DATED OCTOBER 30, 2015 SUPERSEDES STANDARD PLAN ES-7B DATED MAY 20, 2011 - PAGE 463 OF THE STANDARD PLANS BOOK DATED 2010.

**REVISED STANDARD PLAN RSP ES-7B**

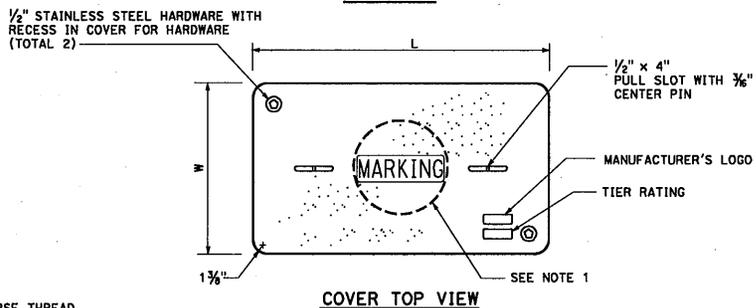
DIST	COUNTY	ROUTE	POST MILES	TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
REGISTERED ELECTRICAL ENGINEER Theresa Gabriel October 30, 2015 PLANS APPROVAL DATE <small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>						

TO ACCOMPANY PLANS DATED \_\_\_\_\_

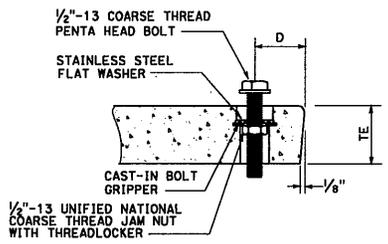
2010 REVISED STANDARD PLAN RSP ES-8A



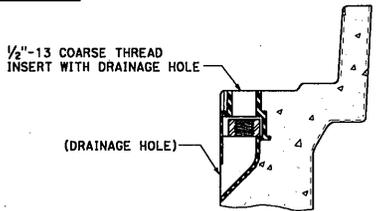
**INSTALLATION DETAILS  
DETAIL A**



**COVER TOP VIEW**



**TYPICAL COVER CAPTIVE BOLT  
OR SIMILAR**



**TYPICAL THREADED INSERT  
OR SIMILAR**

**NOTES:**

- Pull box covers shall be marked as follows: "SERVICE" Service circuits between service point and service disconnect; "SPRINKLER-CONTROL" sprinkler control circuits, 50 V or less; "CALTRANS" on all pull boxes, except pull boxes marked "SPRINKLER-CONTROL"; and "TELEPHONE" Telephone service;
  - No. 3/2 pull box.
    - "SIGNAL" - Traffic signal circuits with or without lighting or sign lighting circuits.
    - "LIGHTING" - Lighting or sign lighting circuits where voltage is under 600 V.
  - No. 5, 6, 9 or 9A pull box.
    - "TRAFFIC SIGNAL" - Traffic signal circuits with or without lighting or sign lighting circuits.
    - "LIGHTING" - Lighting or sign lighting circuits where voltage is under 600 V.
    - "LIGHTING-HIGH VOLTAGE" - Lighting or sign lighting circuits where voltage is above 600 V.
    - "IRRIGATION" - Circuits to irrigation controller 120 V or more.
    - "RAMP METER" - Ramp meter circuits.
    - "COUNT STATION" - Count or speed monitor circuits.
    - "COMMUNICATIONS" - Communication circuits.
    - "TOS COMMUNICATIONS" - TOS communication line.
    - "TOS POWER" - TOS power.
    - "TDC POWER" - Telephone demarcation cabinet power.
    - "CCTV" - Closed circuit television circuits.
    - "TMS" - Traffic monitoring station circuits.
    - "CMS" - Changeable message sign circuits.
    - "HAR" - Highway advisory radio circuits.
    - "BOOSTER PUMP" - Booster pump circuit.
- The nominal dimensions of the opening in which the cover sets shall be the same as the cover dimensions except the length and width dimensions shall be 1/8" greater.
- Covers and boxes shall be interchangeable with California standard male and female gages. When interchanged with a standard male or female gage, the top surfaces shall be flush within 1/8". Top outside radius of covers and pull boxes shall have a 1/8" radius.
- Pull box extension may be another pull box as long as the bottom edge of the pull box can fit into the cover opening.
- Dimensions for the cover for non-traffic pull box are nominal values.

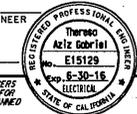
PULL BOX	PULL BOX					COVER				
	MINIMUM DEPTH BOX	MINIMUM DEPTH EXTENSION	MINIMUM WEIGHT	LI Min	WI Min	TE	D	L	W	MINIMUM WEIGHT
No. 3/2	12"	N/A	40 lb	1' - 3"	9"	1 3/4"	1 3/4"	1' - 3 1/4" - 1' - 3 3/8"	10" - 10 1/8"	30 lb
No. 5	12"	10"	55 lb	1' - 8"	11"	2"	1 3/4"	1' - 11 1/4"	1' - 1 3/4"	60 lb
No. 6	12"	10"	70 lb	2' - 4 1/4"	1' - 3 1/4"	2"	2"	2' - 6 1/2"	1' - 5 1/2"	85 lb

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**ELECTRICAL SYSTEMS  
(NON-TRAFFIC PULL BOX)**  
NO SCALE

RSP ES-8A DATED OCTOBER 30, 2015 SUPERSEDES RSP ES-8A DATED JULY 19, 2013 AND RSP ES-8A DATED JANUARY 20, 2012 THAT SUPPLEMENTS THE STANDARD PLANS BOOK DATED 2010.

**REVISED STANDARD PLAN RSP ES-8A**

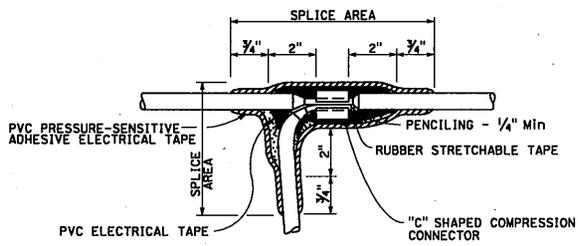
Dist	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET No.	TOTAL SHEETS
<i>Theresa Gabriel</i> REGISTERED ELECTRICAL ENGINEER					
October 30, 2015 PLANS APPROVAL DATE					
<small>THE STATE OF CALIFORNIA OR ITS OFFICERS OR AGENTS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF SCANNED COPIES OF THIS PLAN SHEET.</small>					



TO ACCOMPANY PLANS DATED \_\_\_\_\_

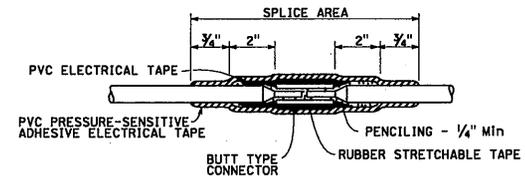
**NOTES:**

1. Dimensions are minimum.
2. Rubber tapes shall be rolled after application.
3. Between 1 free-end and 1 through conductor.
4. Between 2 free-end conductors.
5. Between 3 free-end conductors.



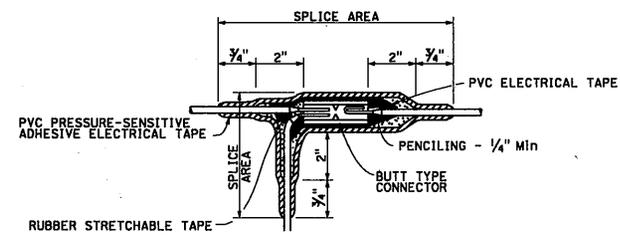
**TYPE C SPLICE**

See Note 3



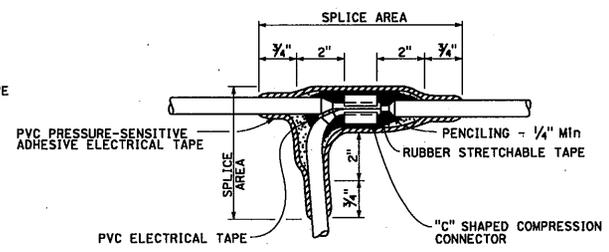
**TYPE S SPLICE**

See Note 4



**TYPE ST SPLICE**

See Note 5



**TYPE T SPLICE**

See Note 5

STATE OF CALIFORNIA  
DEPARTMENT OF TRANSPORTATION  
**ELECTRICAL SYSTEMS  
(SPlicing DETAILS)**

NO SCALE

RSP ES-13A DATED OCTOBER 30, 2015 SUPERSEDES STANDARD PLAN ES-13A DATED  
MAY 20, 2011 - PAGE 491 OF THE STANDARD PLANS BOOK DATED 2010.

**REVISED STANDARD PLAN RSP ES-13A**

2010 REVISED STANDARD PLAN RSP ES-13A