CITY OF SAN LEANDRO
STATE OF CALIFORNIA

CONTRACT BOOK

Proposal
Notice to Bidders
Agreement
Special Provisions

FOR

ANNUAL OVERLAY/REHABILITATION 2013-14

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 SECTIONS 82, 84, 85, AND 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. 2014.0050

BID NO. 13-14.015

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

Telephone: (510) 577-3428
Fax: (510) 577-3294

PROJECT ENGINEER (DESIGN): **Kyle K. Lei, P.E., klei@sanleandro.org**
PROJECT ENGINEER (CONSTRUCTION MANAGEMENT): **Mark Goralka, P.E., mgoralka@sanleandro.org**

Kenneth Joseph, P.E., City Engineer
R.C.E. 34870 Expires 9/30/15

REGISTERED PROFESSIONAL ENGINEER
KENNETH C. JOSEPH
No. 34870
Exp. 9-30-15
CIVIL
STATE OF CALIFORNIA

BID OPENING:

3:00 p.m., Friday, April 25th, 2014

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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

   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

   Business License Application

   Bid Bond

   Public Contract Code Chapter 2.7 Iran Contracting Act of 2010

   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.

PROPOSAL FORMS

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 FORMS

PROPOSAL TO THE CITY OF SAN LEANDRO

CITY OF SAN LEANDRO
STATE OF CALIFORNIA

FOR

ANNUAL OVERLAY/REHABILITATION 2013-14
PROJECT NO. 2014.0050

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 entitled "**Annual Overlay/Rehabilitation 2013-14, Project No. 2014.0050**," consisting of fifteen (15) sheets. Plans were approved by the **City Engineer on March 27th, 2014**

The work to be done consists of **roadway reconstruction and rehabilitation;** 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.

PROPOSAL FORMS

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:

PROPOSAL FORMS

CONTRACT PRICE SCHEDULE

BASE BID

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 & Construction Area Signs, Lane Closures, and Detours	1	LS	_____ _____		
3.	AC Milling and Offhaul (Final Quantity)	1,012	CY	_____ _____		
4.	Failed Existing AC Pavement Repairs (Dig Outs)	34	TN	_____ _____		
5.	Adjust Sanitary Sewer Manhole Frame and Cover to Grade	7	EA	_____ _____		
6.	Adjust Storm Drain Manhole Frame and Cover to Grade	5	EA	_____ _____		
7.	Remove and Rebuild City Monument per City Standard Plan No. 134	4	EA	_____ _____		
8.	Locate Buried City Monument	6	EA	_____ _____		
9.	Furnish and Install Monument Frame & Cover per City Standard Plan No. 134	4	EA	_____ _____		
10.	Soil Stabilization Full-Depth Rehab Method (Equipment & Labor Only) (S)	87,990	SF	_____ _____		
11.	Soil Stabilization at Locations with Utilities Within Stabilized Base Section (Equipment & Labor Only) (S)	8,799	SF	_____ _____		

PROPOSAL FORMS

12.	Cement for Soil Stabilization (S)	390	TN	_____ _____		
13.	Asphalt Concrete Paving	2,318	TN	_____ _____		
14.	Potholing	50	EA	_____ _____		
15.	Remove and Replace Thermoplastic Stripes, Pavement Markings and Markers	1	LS	_____ _____		
16.	Standard 6'-6" By 6'-8" Rubber Speed Cushion	3	EA	_____ _____		
17.	Standard 9'-2" By 6'-8" Rubber Speed Cushion	6	EA	_____ _____		
18.	Install "Bump" Legend	6	EA	_____ _____		
19.	Rubber Speed Cushion Border Striping	3	EA	_____ _____		
20.	Furnish and Install W13-1 Sign (15 MPH)	4	EA	_____ _____		
21.	Furnish and Install W17-1 Sign (Speed Bump)	4	EA	_____ _____		
22.	Furnish and Install New Sign Post Per City Standard Plan No. 136	4	EA	_____ _____		
23.	Install Traffic Detector Loops	8	EA	_____ _____		
24.	Install Traffic Detector Wells	1	EA	_____ _____		
25.	Remove and Replace Portion of 6" VCP Sanitary Sewer	27	LF	_____ _____		
26.	Remove and Replace Portion of 8" VCP Sanitary Sewer	43.5	LF	_____ _____		

PROPOSAL FORMS

TOTAL BASE BID: _____
(In Words)

TOTAL BASE BID: _____
(In Figures)

PROPOSAL FORMS

ADDITIVE BID ITEM A

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)
A1.	Adjust EBMUD Water Valve Pot to Grade	15	EA	_____ _____		

TOTAL ADDITIVE BID ITEM A: _____
(In Words)

TOTAL ADDITIVE BID ITEM A: _____
(In Figures)

TOTAL BASE BID + ADDITIVE BID ITEM A: _____

_____
(In Words)

TOTAL BASE BID + ADDITIVE BID ITEM A: _____

(In Figures)

PROPOSAL FORMS

UNITS OF MEASURE:

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

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.

PROPOSAL FORMS

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.

Subcontractor's Name: ***(REQUIRED)***			
Address: ***(REQUIRED)***			
Phone #:			
Fax #:			
E-Mail:			
Name of Project Mgr.:			
License and Classification:			
DOT Certified DBE:	☐ Yes ☐ NO	☐ Yes ☐ NO	☐ Yes ☐ NO
Value of Work Subcontracted:	**$**_____	**$**_____	**$**_____
Description of Portion of Work Subcontracted: ***(REQUIRED)***	_____ _____ _____	_____ _____ _____	_____ _____ _____

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

PROPOSAL FORMS

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:

1. Title of Project _____

   Owner _____

   Address _____

   Telephone No. _____

   Engineer in Charge _____

   Date Accepted _____

PROPOSAL FORMS

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: _____

PROPOSAL FORMS

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.

PROPOSAL FORMS

NON-COLLUSION AFFIDAVIT
TO BE EXECUTED BY BIDDER AND SUBMITTED WITH BID

PUBLIC CONTRACT CODE SECTION 7106

STATE OF CALIFORNIA)
) ss.
COUNTY OF _____)

_____, being first duly sworn, deposes and says that he or she is _____ of _____ the party making the foregoing bid that the bid is not made in the interest of, or on behalf of, any undisclosed person, partnership, company, association, organization, or corporation; that the bid is genuine and not collusive or sham; that the bidder has not directly or indirectly induced or solicited any other bidder to put in a false or sham bid, and has not directly or indirectly colluded, conspired, connived, or agreed with any bidder or anyone else to put in a sham bid, or that anyone shall refrain from bidding; that the bidder has not in any manner, directly or indirectly, sought by agreement, communication, or conference with anyone to fix the bid price of the bidder or any other bidder, or to fix any overhead, profit, or cost element of the bid price, or of that of any other bidder, or to secure any advantage against the public body awarding the contract of anyone interested in the proposed contract; that all statements contained in the bid are true; and, further, that the bidder has not, directly or indirectly, submitted its bid price or any breakdown thereof, or the contents thereof, or divulged information or data relative thereto, or paid, and will not pay, any fee to any corporation, partnership, company association, organization, bid depository, or to any member or agent thereof to effectuate a collusive or sham bid.

NOTE: The above Statement, Questionnaire, and Non-collusion Affidavit are part of the proposal. Signing this proposal on the signature portion thereof shall also constitute signature of this Statement, Questionnaire, and Non-Collusion Affidavit. Bidders are cautioned that making a false certification may subject the certifier to criminal prosecution.

PROPOSAL FORMS

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.

PROPOSAL FORMS

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.: ( ) _____

PROPOSAL FORMS

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.

PROPOSAL FORMS

CITY OF SAN LEANDRO

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

BUSINESS LICENSE APPLICATION

For Businesses Located Outside of San Leandro

Business License Fee
See Fee Schedule

PLEASE TYPE OR PRINT WITH PEN

OFFICIAL USE ONLY

Business Name _____

Business License No. _____

APN# _____

Corporate Name (if applicable) _____

Bus. Start Date _____

Business Location _____
(Cannot be P.O. Box per State of California Business & Professions Code-Section 17538.5)

❑ **New Application** ❑ **Change**

State Sales Tax No. _____

Federal ID No. _____

Mailing Address _____

State ID No. _____

State Contractor Lic. No. _____

Phone No. _____ **Alt. No.** _____ **Expire Date** _____

Description of Business _____

Ownership ❑ Corporation ❑ Corp-Ltd Liability ❑ Partnership ❑ Sole Proprietor ❑ Trust

Enter below names of Owners, Partners, or Corporate Officers (attach additional sheet, if necessary)

1st Owner Name _____ **Title** _____ **Soc. Sec. No.** _____

Home Address _____ **Home Phone No.** _____
(Cannot be P.O. Box) _____ **Cell / Pager No.** _____

2nd Owner Name _____ **Title** _____ **Soc. Sec. No.** _____

Home Address _____ **Home Phone No.** _____
(Cannot be P.O. Box) _____ **Cell / Pager No.** _____

- Is this business being conducted in your residence? ☐ Yes ☐ No

- If business is being purchased, please complete the following:

Seller's Business Name: _____ Seller's Bus. Lic. #: _____

NUMBER OF EMPLOYEES: 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.

*** ***PARTIAL YEAR:*** The business license fee for any business commencing after June 30th of any year shall be reduced by one-half (1/2).

CERTIFICATION AND ACKNOWLEDGEMENT

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.

SIGN HERE

➔ _____
Signature of Owner or Representative

Title _____ Date _____

Base Fee (required for each license)	$
Unit #_____**X $**_____	$
TOTAL AMOUNT DUE (Base Fee plus Unit Fee)	$

*** 1/2 Year fee for Businesses commening after June 30th.

TOTAL AMOUNT PAID $

RETURN APPLICATION TO ABOVE ADDRESS AND MAKE CHECK PAYABLE TO CITY OF SAN LEANDRO.

Thank you for doing business in the City of San Leandro.

O:\HDLBL3x\Application_BL-Out of City Location.rpt Printed 10/12/2007: 5:04 pm

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 **Annual Overlay/Rehabilitation 2013-14, Project No. 2014.0050**

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.

PROPOSAL FORMS

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)

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

END OF BID BOND

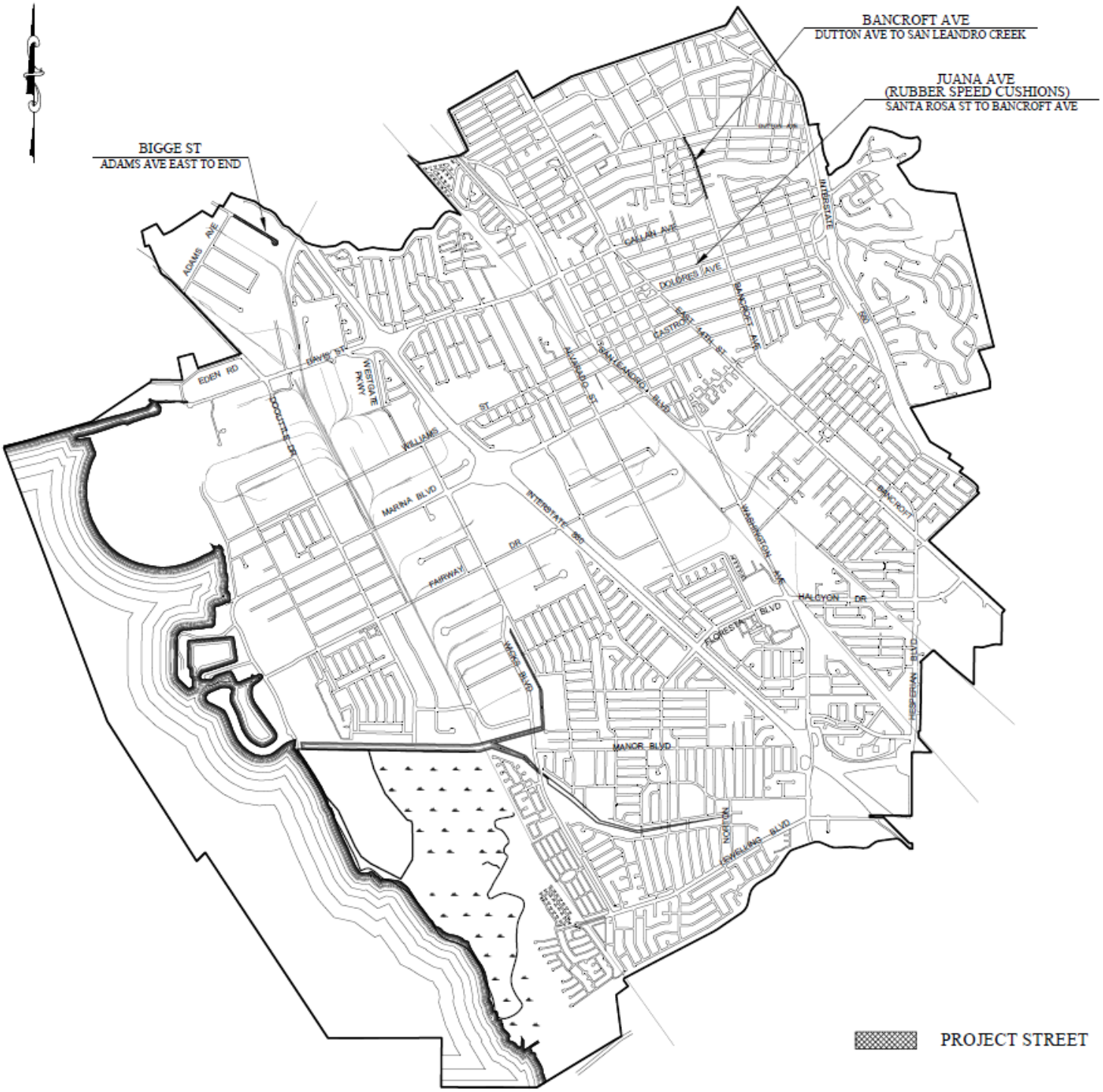
PROPOSAL FORMS

END OF

PROPOSAL TO THE CITY OF SAN LEANDRO

PROPOSAL FORMS

PROJECT LOCATION MAP



CITY OF SAN LEANDRO
STATE OF CALIFORNIA

ENGINEERING AND TRANSPORTATION DEPARTMENT

NOTICE TO BIDDERS

FOR

ANNUAL OVERLAY/REHABILITATION 2013-14
PROJECT NO. 2014.0050
BID NO. 13-14.015

1. 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 **Annual Overlay/Rehabilitation 2013-14, Project No. 2014.0050** addressed to the **City of San Leandro** will be received at **City Hall, 835 East 14th Street, 2nd Floor San Leandro** at the office of the **City Clerk** up to **3:00 p.m.** on **Friday, April 25th, 2014,** at which time they will be publicly opened and read.

2. 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.

3. WORK DESCRIPTION: The work to be done consists of **roadway reconstruction and rehabilitation** 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 **Engineer.** Reference to said plans and specifications is hereby made for further particulars.

4. 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.

5. LOCAL INCLUSION ORDINANCE: Not applicable to this project.

6. 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.

7. 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.

8. 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.

9. 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.

10. **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 **Kiosk Counter** of the Community Development Department, City Hall, 835 East 14th Street, 1st Floor, San Leandro, **(510) 577-3423,** upon payment of a non-refundable fee of **$25.00 (payable by exact cash or check only)** for each set.

11. 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.

12. 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.

13. 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.

14. 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.

15. 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.

16. 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.

17. 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.

18. PRE-BID CONFERENCE: A pre-bid conference will be held on **Monday, April 14th, 2014**, at **10:00 AM** at the **Sister Cities Gallery on the first floor of San Leandro City Hall, 835 E. 14th Street, San Leandro, CA 94577**. A bidder who fails to attend a pre-bid conference will be held responsible for any information that could have been reasonably deduced from said attendance. Attendance is strongly encouraged.

    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.

19. VALUE OF WORK: The Engineer has estimated that the value of work is between $500,000 and $1,000,000.

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 (3rd) 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 27th, 2014_____ _____Marian Handa_____

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 roadway reconstruction and rehabilitation and doing all appurtenant work in place and ready for use, all as shown in the plans and described in the specifications entitled **Annual Overlay/Rehabilitation 2013-14, Project No. 2014.0050"** 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. Plans
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

By:_____
Chris Zapata, City Manager

Date: _____

Attest:_____
Marian Handa, City Clerk

(NAME OF CONTRACTOR)
Contractor

By:_____

By:_____

Date:_____

APPROVED AS TO FORM:

_____
Richard Pio Roda, City Attorney

_____
David Baum, Finance Director

Account No.(s) _____

_____

ACKNOWLEDGMENT

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

BASE BID

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 & Construction Area Signs, Lane Closures, and Detours	1	LS	_____ _____		
3.	AC Milling and Offhaul (Final Quantity)	1,012	CY	_____ _____		
4.	Failed Existing AC Pavement Repairs (Dig Outs)	34	TN	_____ _____		
5.	Adjust Sanitary Sewer Manhole Frame and Cover to Grade	7	EA	_____ _____		
6.	Adjust Storm Drain Manhole Frame and Cover to Grade	5	EA	_____ _____		
7.	Remove and Rebuild City Monument per City Standard Plan No. 134	4	EA	_____ _____		
8.	Locate Buried City Monument	6	EA	_____ _____		
9.	Furnish and Install Monument Frame & Cover per City Standard Plan No. 134	4	EA	_____ _____		
10.	Soil Stabilization Full-Depth Rehab Method (Equipment & Labor Only) (S)	87,990	SF	_____ _____		
11.	Soil Stabilization at Locations with Utilities Within Stabilized Base Section (Equipment & Labor Only) (S)	8,799	SF	_____ _____		

12.	Cement for Soil Stabilization (S)	390	TN	_____ _____		
13.	Asphalt Concrete Paving	2,318	TN	_____ _____		
14.	Potholing	50	EA	_____ _____		
15.	Remove and Replace Thermoplastic Stripes, Pavement Markings and Markers	1	LS	_____ _____		
16.	Standard 6'-6" By 6'-8" Rubber Speed Cushion	3	EA	_____ _____		
17.	Standard 9'-2" By 6'-8" Rubber Speed Cushion	6	EA	_____ _____		
18.	Install "Bump" Legend	6	EA	_____ _____		
19.	Rubber Speed Cushion Border Striping	3	EA	_____ _____		
20.	Furnish and Install W13-1 Sign (15 MPH)	4	EA	_____ _____		
21.	Furnish and Install W17-1 Sign (Speed Bump)	4	EA	_____ _____		
22.	Furnish and Install New Sign Post Per City Standard Plan No. 136	4	EA	_____ _____		
23.	Install Traffic Detector Loops	8	EA	_____ _____		
24.	Install Traffic Detector Wells	1	EA	_____ _____		
25.	Remove and Replace Portion of 6" VCP Sanitary Sewer	27	LF	_____ _____		
26.	Remove and Replace Portion of 8" VCP Sanitary Sewer	43.5	LF	_____ _____		

TOTAL BASE BID: _____
(In Words)

TOTAL BASE BID: _____
(In Figures)

ADDITIVE BID ITEM A

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)
A1.	Adjust EBMUD Water Valve Pot to Grade	15	EA	_____ _____		

TOTAL ADDITIVE BID ITEM A: _____
(In Words)

TOTAL ADDITIVE BID ITEM A: _____
(In Figures)

TOTAL BASE BID + ADDITIVE BID ITEM A: _____

_____
(In Words)

TOTAL BASE BID + ADDITIVE BID ITEM A: _____

(In Figures)

UNITS OF MEASURE:

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

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 **Annual Overlay/Rehabilitation 2013-14, Project No. 2014.0050.;** 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)

<u>NOTE TO SURETY COMPANY</u>: 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 **Annual Overlay/Rehabilitation 2013-14, Project No. 2014.0050**; 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)

<u>NOTE TO SURETY COMPANY</u>: 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 **Annual Overlay/Rehabilitation 2013-14, Project No. 2014.0050** 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 14th 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 **Annual Overlay/Rehabilitation 2013-14, Project No. 2014.0050;** 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)

<u>NOTE TO SURETY COMPANY</u>: 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 Contractor's attention is directed to Section 1, "Terms, Definitions, Abbreviation, And Symbols", of the Standard Specifications.

1-2 Definitions
1-3 Abbreviations

1-2 DEFINITIONS The following paragraphs are added to Section 1-2 of the Standard Specifications:

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; and Sections 82, 84, 85, and 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 The following definitions are added to Section 1-3 of the Standard Specifications:

Abbreviation	Word or Words
AB or CAB	**Aggregate Base Rock or Crushed Aggregate Base**
ASB or CMB	**Aggregate Subbase Rock or Crushed Miscellaneous Base**
JP	**Joint Utility Pole**
MO	**Months**
TN	**Tons (2,000 lbs./907.2 kgs.)**
TP	**Telephone Pole**

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	Construction Staking Request Form
2-11	Inspection
2-11.1	Quality Control
2-11.2	Re-Inspection

2-1 AWARD OF CONTRACT Section 2-1 of the Standard Specifications is replaced 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 Base Bid Plus Additive Bid Item A" 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.

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 The following information is added to Section 2-3.1 of the Standard Specifications:

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 The following information is added to Section 2-3.2 of the Standard Specifications:

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

Bid Item No.	Description
10	Soil Stabilization Full-Depth Rehab Method (Equipment & Labor Only) (S)
11	Soil Stabilization at Locations with Utilities Within Stabilized Base Section (Equipment & Labor Only) (S)
12	Cement for Soil Stabilization (S)

2-4 CONTRACT BONDS The following information is added to Section 2-4 of the Standard Specifications:

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.

2-5 PLANS AND SPECIFICATIONS The following is added to Section 2-5 of the Standard Specifications:

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 Sections 82, 84, 85, and 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:

Title	**Sheet No.**	**Drawing No.**	**Case No.**
Title Sheet	1	3824	202
General Notes, Legend and Abbreviations	2	3825	202
Bancroft Ave Site Plan	3-5	3826-3828	202
Bancroft Ave Striping Plan	6-7	3829-3830	202
Bigge St Plan & Profile	8-10	3831-3833	202
Bigge St Cross Sections	11	3834	202
2010/2011 Neighborhood Traffic Calming Program Speed Cushion Installation – Juana Ave	12	3835	202
City Standard Plans	13-14	3836-3838	202

2-5.1 GENERAL The following is added to section 2-5.1 of the Standard Specifications:

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 The following is added to Section 2-5.3 of the Standard Specifications:

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 The following is added to Section 2-5.3.1 of the Standard Specifications:

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
- Traffic Control Plans
- 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 The following is added to Section 2-5.3.2 of the Standard Specifications:

RECORD DRAWINGS ("As Builts"): The Contractor shall keep and maintain at the job site one record set of contract drawings. On these, it shall mark all project conditions, locations, configurations, and any another changes or deviations that may vary from the details represented on the original contract drawings, including buried or concealed construction and utility features that are revealed during the course of construction. Record drawings may be in the form of a set of prints with carefully plotted information overlaid in pencil of a clearly legible and reproducible contrasting color to the drawing, except the final record drawings shall be prepared on the reproducible prints supplied by the City.

Special attention shall be given to recording the horizontal and vertical location of all buried utilities that differ from the locations indicated, or that were not indicated on the Contract Drawings. Said record drawings shall be supplemented by any detailed sketches as necessary or as directed to indicate fully the work as actually constructed.

These master record drawings of the Contractor's representation of "as-built" conditions, including all revisions made necessary by addenda, change orders, and the like, shall be maintained up-to-date during the process of the work.

In the case of drawings that depict the detail requirement for equipment to be assembled and wired in the factory, the record drawings shall be updated by indicating those portions that are superseded by change order drawings or final shop drawings, and by including appropriate reference information describing the change orders by number and the shop drawings by manufacturer, drawing, and revision numbers.

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.

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.

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 The following is added to Section 2-5.3.3 of the Standard Specifications:

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

Traffic Control and Construction Staging

2-5.3.4 SUPPORTING INFORMATION The following is added to Section 2-5.3.4 of the Standard Specifications:

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.)
- Excavation Permit (CCR Title 8, Section 1533-1543 and California Government Code (CGC) Sections 4216 et. seq's for trenches 5 feet or deeper OSHA permit required.)
    - Activity Notification Form (CCR Title 8, Section 341.(f))
    - Competent Person Certifications (CCR Title 8, Sections 1504, 1541 and 1541.1)
- Confined Space Entry Program (CCR Title 8, Sections 5156 et. seq.)
    - Standard Specification Section 7-10.4.4 requires Contractor to provide CSEP
- 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 mix designs and certifications
- A.C mix designs and certifications
- Aggregate base certifications
- Soil Stabilization equipment list and detailed description of work procedures
- Traffic Stripes & Pavement Markings and Markers
- Rubber speed cushions
- Speed cushion signs and sign posts

2-6 WORK TO BE DONE The following is added to Section 2-6 of the Standard Specifications:

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.

The Contractor shall be subject to liquidated damages in accordance with Section 6-9 of these Special Provisions for each incident of unauthorized work.

2-9 SURVEYING

2-9.2 SURVEY SERVICE Section 2-9.2 of the Standard Specifications is replaced with the following:

The Engineer will perform surveying services as listed below. The contractor shall preserve construction survey stakes and marks provided by the Engineer for the duration of their usefulness. If any construction survey stakes are lost or disturbed and need to be replaced, such replacement shall be by the Engineer at the expense of the Contractor.

The Engineer shall provide construction survey staking for the following items. One set of construction stakes will be provided unless otherwise noted.

1. **Monument referencing**
2. **Finish grade at centerline at 25' intervals minimum**

Contractor shall submit the included "Construction Staking Request" form a minimum of five (5) working days prior to the staking being required.

Any construction survey stakes other than those specified above shall be the responsibility of the Contractor. All surveying performed by the Contractor shall be under the direct supervision of a California Licensed Land Surveyor or Professional Civil Engineer licensed to perform land surveying. Contractor shall provide the Engineer with copies of cut sheets and any other pertinent survey documentation, upon request of the Engineer.

2-9.5 PAYMENT The following Section is added.

Full compensation for any Construction Surveying required shall be included in the price bid for the item of work requiring such services and no additional compensation will be allowed.

CONSTRUCTION STAKING REQUEST

(5 Working Days Notice Required)

Contractor / Requestor Information

DATE OF REQUEST: _____ DATE NEEDED: _____

PROJECT NAME: _____ PROJECT #: _____

REQUESTED BY: _____

CONTACT PHONE #: _____ COMPANY FAX #: _____

DESCRIPTION OF WORK REQUESTED**: (Please attach additional information as needed.)**

☐ **Field** ☐ **Office** ☐ **GPS** _____

_____

_____

_____

_____

_____

LOCATION OF OFFSET (IN FEET):_____

_____ RESTAKE? ☐**Yes** ☐**No**

For City Use Only

INSP. INITIALS & DATE: _____ P.M. INITIALS & DATE: _____

URGENCY: ☐**Routine** ☐**ASAP** ☐**Emergency** AUTHORIZED OVERTIME? ☐**Yes** ☐**No**

ADDITIONAL COMMENTS: **(if needed)** ACCOUNT #: _____

_____

_____

_____

For Survey Coordinator's Use Only

Survey Job #: _____ **Estimated Cost:** _____

Date & Time Received: _____ **Date Completed:** _____

Comments: _____

_____

_____

Contractor: For questions regarding this form, please contact the Project Inspector at **Phone:** (510) 577-3428/ **Fax:** (510) 577-3294

2-11 INSPECTION The following is added to Section 2-11 of the Standard Specifications:

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 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

3-2.1.1 CHANGES INITIATED BY THE CITY Changes greater than 25 percent (25%) of the total quantity of the following contract items may be made by the City without adjustment in the contract unit prices:

Bid Item No.	Description
7	Remove and Rebuild City Monument per City Standard Plan No. 134
9	Furnish and Install Monument Frame & Cover per City Standard Plan No. 134
11	Soil Stabilization at Locations with Utilities Within Stabilized Base Section (Equipment & Labor Only) (S)
14	Potholing

3-3 EXTRA WORK The following is added to Section 3-3 of the Standard Specifications:

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 The following paragraph is added to Section 3-3.1 of the Standard Specifications:

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 The following is added to Section 3-3.2.1 of the Standard Specifications:

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 Section 3-3.2.2 of the Standard Specifications 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 of 3-3.2.2 (c) 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 of 3-3.2.2 (c) 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 MARK UP Section 3-3.2.3 is replaced as follows:

(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 CONTRACTOR The following is added to Section 3-3.3 of the Standard Specifications:

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

3-4 CHANGED CONDITIONS The following is added to Section 3-4 of the Standard Specifications

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.

City of San Leandro – Engineering and Transportation Department

DAILY EXTRA WORK REPORT

(Determination of Time and Materials)

DATE OF REPORT: _____

PROJECT NAME: _____

_____

PROJECT NO.: _____

DATE WORK PERFORMED: _____

WORK PERFORMED BY: _____
(Contractor/Sub-Contractor/Specialty)

CONTRACTOR JOB NO. : _____

DESCRIPTION OF WORK: _____

_____

_____

_____

EQUIP. NO.	EQUIPMENT	HOURS	HOURLY RATE		EXTENDED AMOUNTS		P.R. NO.	LABOR	HOURS	HOURLY RATE		EXTENDED AMOUNTS	
									O.T.				
									REG.				
									O.T.				
									REG.				
									O.T.				
									REG.				
									O.T.				
									REG.				
									O.T.				
									REG.				

MATERIAL and/or WORK - DONE BY SPECIALISTS								
DESCRIPTION	NO. UNIT	UNIT COST		EXTENDED		SUB-TOTAL		
						SUBSISTENCE _____ NO._____ @ $_____		
						TRAVEL EXPENSE _____ NO._____ @ $_____		
						LABOR SURCHARGE (if not included in hourly rate) _____%		
						TOTAL COST of LABOR	A	
TOTAL COST of EQUIPMENT, MATERIALS, and WORK							B	
						+ 33% MARKUP on LABOR COST	(A)	
						+ 15% MARKUP on EQUIPMENT, MATERIAL, and WORK COST	(B)	
						WORK BY SUBCONTRACTOR: + 10% on FIRST $5,000 and 5% on WORK IN EXCESS of $5,000		
						TOTAL THIS REPORT		

VERIFICATION of LABOR, EQUIPMENT, and MATERIAL PROVIDED:

_____ _____
Contractor's Representative Date

_____ _____
Project Inspector Date

_____ _____
REVIEWED: Sr. Engineering Inspector Date

ACCEPTED FOR PROGRESS PAYMENT: _____ **DATE:** _____ **CCO NO.:** _____
Project Manager

3-5 DISPUTED WORK The following is added to Section 3-5, "Disputed Work", of the Standard Specifications:

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 Section 3-6 is added to Section 3 of the Standard Specifications as follows:

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 Section 4-1 of the Standard Specifications is amended as follows:

4-1.5 CERTIFICATION The following is added to Section 4-1.5, "Certification," of the Standard Specifications:

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.

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 of Section 5 of the Standard Specifications 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 The following provisions are added to the end of the fourth paragraph of Section 5-2:

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.).

Contractor shall manage all flows in the work area and notify the Engineer through a **SYSTEM OUTAGE REQUEST (SOR)**. Contractor shall submit the included SOR form on a weekly basis to the Engineer at least 48 hours prior to commencing the System Outage. All System Outage Requests shall include a sketch of the affected areas, bypass and plugging plans, flow and volume calculations, and a schedule of downtime and service restoration.

At least 30 minutes prior to concluding a System Outage, the Contractor shall again contact the Engineer and WPCP. The Contractor shall control the release of any sewage volumes stored in the system. No great rush of flows shall be allowed in any part of the system. The Contractor shall be responsible for any damage caused by the uncontrolled discharge of high flows. The Contractor shall be held responsible for overburdening the sewer collection system and WPCP causing the discharge of sewage into the environment. Additionally, the Contractor shall reimburse the City for any fines levied by regulatory agencies due to spills, backups, or overflows resulting from the Contractor's failure to comply with the requirements herein.

WPCP Phone Numbers:

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

City of San Leandro
Engineering & Transportation Department
Civic Center • 835 East 14th Street
San Leandro, California 94577-3782
510.577.3428 (voice)
510.577.3294 (fax)

SYSTEM OUTAGE REQUEST

To:	**Fax:**
Company: Water Pollution Control Plant (WPCP)	**Date**:
From:	**Phone**:
Re: System Outage Request – Notification	**Pages:**
Project:	
CC:	

☐ **Urgent**	☐ **For Review**	☐ **Please Comment**	☐ **Please Reply**	☐ For Your Info

Contractor: _____

Reason: _____

Duration: _____

Location: _____

Outage Description: _____

_____

_____

Contacts (24 hr.): _____

_____

_____

WPCP Phone #: 510-577-3434 After Hours #: 510-577-3459

☐ Original will not follow. ☐ Original will follow by:

- ☐ Regular Mail
- ☐ Federal Express/UPS
- ☐ E-mail/Other

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 In addition to the requirements of Section 6-1 of the Standard Specifications, the following shall also apply:

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

45 working days for Base Bid
+
6 working days for Additive Bid Item A

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 The following paragraph(s) are added to Section 6-2 of the Standard Specifications:

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. USA/Caltrans Notification
4. Public Notice Distribution
5. No Parking Signs placed
6. Utility Coordination/Installations

Unless otherwise noted, the Contractor shall execute the work in the order as follows:

1. Advisory Signs
2. Stationary Mounted Construction Area Signs
3. USA Notification
4. Public Notice Distribution (10 working days prior notice required for night work on Bigge St)
5. Reference iron, striping
6. Complete sewer repairs
7. Lower manholes and other structures
8. Potholing (must be done prior to AC removal)
9. Excavate, grind and offhaul
10. Subgrade stabilization or installation of subbase
11. AC paving
12. Raise manholes and other structures to finish grade
13. Striping layout (CAT tracking)
14. Final striping

For rubber speed cushions:
1. Install "BUMP" legends and signage
2. Install rubber speed cushions and border striping

6-5 TERMINATION Section 6-5 of the Standard Specifications is deleted and replaced 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 Contactor.

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.

6-6.4 WRITTEN NOTICE AND REPORT Section 6-6.4 of the Standard Specifications is revised to read as follows:

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.

6-7.2 WORKING DAYS The following is added to Section 6-7.2 of the Standard Specifications

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. The aforementioned working hours do not apply to the AC milling, cement-treatment, and AC paving on Bigge Street, which must be done between 7:00 PM and 6:00 AM.

Working hours do not necessarily coincide with allowable lane closures. S**ee Section 7-10.3 for lane closure restrictions**.

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. February 12 (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 The following is added to paragraph two (2) of Section 6-8 of the Standard Specifications:

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 Section 6-9 of the Standard Specifications is replaced 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 **$500.00 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:

Failure to provide and/or non-compliance to or violation of accepted construction scheduling and/or phasing, per Section 6-1 and 6-2	**$250.00**	**per each calendar day**
Failure to provide and/or non-compliance with accepted Traffic Control Plans per Sections 6-1 and 7-10.3	**$250.00**	**per each calendar day**
Performance of unauthorized work, per Section 2-6	**$100.00**	**per each incident**

Failure to provide adequate Project Site Maintenance 24/7, per Section 7-8	**$100.00**	**per each calendar day**
Storage of equipment and/or materials in public streets, per Section 7-10.2	**$100.00**	**per each calendar day/incident**
Failure to pave within 5 working days after completion of cement-treatment, per Section 302-5	**$250.00**	**per each calendar day**
Failure to raise manholes and water valves within 3 working days of pavement completion, per Sections 301-1.6 and 301-1.9	**$250.00**	**per each incident**
Failure to immediately remove false bottoms from manholes and storm inlets, per Section 301-1.6	**$250.00**	**per each incident**
Failure to provide temporary layout lines (cat-tracks) within 24 hours and/or permanent markings installed within time period specified in Section 310-5.6.1	**$500.00**	**per each calendar day**
Failure to install traffic detector loops within 3 working days of pavement completion, per Sections 302-5.2.4 and 307-4.9	**$500.00**	**per each calendar day**

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 The following paragraphs are added to the provisions of Section 6-10 of the Standard Specifications:

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
7-2.2.5	Labor And Non-Discrimination
7-3	Liability Insurance
7-5	Permits
7-6	The Contractor's Representative
7-8	Project Site Maintenance
7-8.1	Cleanup And Dust Control
7-8.1.1	Recycling Of Construction Material
7-8.2	Air Pollution Control
7-8.3	Vermin Control
7-8.4	Sanitation
7-8.5	Temporary Light, Power And Water
7-8.6	Water Pollution Control
7-8.6.1	General
7-8.6.2	Material Storage
7-8.6.3	Dewatering Operations
7-8.6.4	Pavement Saw-Cutting Operations
7-8.6.5	Pavement Operations
7-8.6.6	Concrete Operations
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7-10.4.5	Illness and Injury Prevention Program

7-2.2 LAWS The following sections are added to the provisions of Section 7-2.2 of the Standard Specifications:

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 Section 7-3, "Liability Insurance", of the Standard Specifications is revised to read as follows:

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 $1,000,000 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.

C. Builders Risk Insurance. None required.

D. 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 Contactor 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 Contactor 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 Contractor's attention is directed to Section 7-5 of the Standard Specifications.

In addition to the requirements of Section 7-5, "Permits", of the Standard Specifications, the following requirements shall also apply:

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:

OSHA Permit

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 The following paragraphs are added to Section 7-6 of the Standard Specifications:

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 The following paragraphs are added to Section 7-8 of the Standard Specifications:

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 The following paragraphs are added to Section 7-8.1 of the Standard Specifications:

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 The following requirements are added to Section 7-8.1 of the Standard Specifications:

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

The following companies are franchised waste haulers authorized to provide debris boxes within the portions of the City of San Leandro containing this project.

Alameda County Industries (ACI)
510-357-7282
www.alamedacountyindustries.com
(For Bancroft Ave)

Waste Management
510-613-8710
www.wm.com
(For Bigge St)

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 The following Section is added to Section 7-8.1 of the Standard Specifications:

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 The following Section is added to Section 7-8.1 of the Standard Specifications:

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.

7-8.2 AIR POLLUTION CONTROL Contractor's attention is directed to Section 7-8.2 of the Standard Specifications:

7-8.3 NOISE CONTROL The following Section is added to Section 7-8 of the Standard Specifications:

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 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's attention is directed to Section 7-10.2 of these Special Provisions regarding storage of materials in public streets.

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.

7-8.5 SANITARY SEWERS The following is added to Section 7-8.5 of the Standard Specifications:

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 The following paragraphs are added to Section 7-8.6 of the Standard Specifications:

7-8.6.1 GENERAL 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 DEWATERING OPERATIONS 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 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 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 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 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 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 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 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 HOUSEKEEPING PRACTICES 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 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.

7-8.6.5.1 ENFORCEMENT 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 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.

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.

7-9 PROTECTION AND RESTORATION OF EXISTING IMPROVEMENTS

The following is added to section 7-9 of the Standard Specifications.

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

The following paragraph is added to Section 7-10.1 of the Standard Specifications:

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

7-10.1.1 PEDESTRIAN ACCESS Pedestrian travel shall be maintained at all times along both sides 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.

Contractor shall construct 4'-wide temporary pathways at Begier Ave and Haas Ave with cutback AC to allow for accessible pedestrian travel during the time period after AC milling operations and prior to final AC paving.

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 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 STORAGE OF EQUIPMENT AND MATERIALS IN PUBLIC STREETS 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.

7-10.2.1 CONSTRUCTION STAGING/STOCKPILE 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, AND BARRICADES The following paragraphs are added to Section 7-10.3 of the Standard Specifications:

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.

LANE CLOSURE REQUIREMENTS

CHART NO. 1

LOCATION: Bancroft Ave from Dutton Ave to San Leandro Creek | **DIRECTION OF TRAVEL: NB**

FROM HOUR to HOUR	a.m. 12	1	2	3	4	5	6	7	8	9	10	11	p.m. 12	1	2	3	4	5	6	7	8	9	10	11
Mondays through Thursdays	X	X	X	X	X	X	X	X	W	1	1	1	1	1	1	1	1	W	X	X	X	X	X	X
Fridays	X	X	X	X	X	X	X	X	W	1	1	1	1	1	1	1	1	W	X	X	X	X	X	X
Saturdays	X	X	X	X	X	X	X	X	X	1	1	1	1	1	1	1	1	1	X	X	X	X	X	X
Sundays	X	X	X	X	X	X	X	X	X	1	1	1	1	1	1	1	1	1	X	X	X	X	X	X

Flashing Arrow Board Required (mark one): YES ☒ NO ☐

LEGEND:

0 - Roadway may be closed in direction of travel.
1 - Provide at least one through lane open in direction of travel.
2 - Provide at least two through lanes open in direction of travel.
3 - Provide at least three through lanes open in direction of travel.
W - No lane closure permitted; work permitted anywhere that does not require lane closure.
X - No lane closure permitted; no work permitted on roadway.

REMARKS:

Approved by Traffic Operations Engineer: **Date:** 3/25/2014

Note: Minor deviations from the requirements of this section concerning lane closure hours that do not change the cost of the work may be permitted upon the written request of the Contractor, if in the sole opinion of the Engineer, public traffic will be better served and the work expedited. These deviations shall not be adopted by the Contractor until the Engineer has approved the deviations in writing.

CHART NO. 2

LOCATION: Bancroft Ave from Dutton Ave to San Leandro Creek | **DIRECTION OF TRAVEL: SB**

FROM HOUR to HOUR	a.m. 12	1	2	3	4	5	6	7	8	9	10	11	p.m. 12	1	2	3	4	5	6	7	8	9	10	11
Mondays through Thursdays	X	X	X	X	X	X	X	X	W	1	1	1	1	1	1	1	1	W	X	X	X	X	X	X
Fridays	X	X	X	X	X	X	X	X	W	1	1	1	1	1	1	1	1	W	X	X	X	X	X	X
Saturdays	X	X	X	X	X	X	X	X	X	1	1	1	1	1	1	1	1	1	X	X	X	X	X	X
Sundays	X	X	X	X	X	X	X	X	X	1	1	1	1	1	1	1	1	1	X	X	X	X	X	X

Flashing Arrow Board Required (mark one): YES ☒ NO ☐

LEGEND:

0 - Roadway may be closed in direction of travel.
1 - Provide at least one through lane open in direction of travel.
2 - Provide at least two through lanes open in direction of travel.
3 - Provide at least three through lanes open in direction of travel.
W - No lane closure permitted; work permitted anywhere that does not require lane closure.
X - No lane closure permitted; no work permitted on roadway.

REMARKS:

Approved by Traffic Operations Engineer: **Date:** 3/25/2014

Note: Minor deviations from the requirements of this section concerning lane closure hours that do not change the cost of the work may be permitted upon the written request of the Contractor, if in the sole opinion of the Engineer, public traffic will be better served and the work expedited. These deviations shall not be adopted by the Contractor until the Engineer has approved the deviations in writing.

LANE CLOSURE REQUIREMENTS

CHART NO. 3

LOCATION: Bigge St from Adams Ave east to end | **DIRECTION OF TRAVEL: EB**

FROM HOUR to HOUR	a.m. 12	1	2	3	4	5	6	7	8	9	10	11	p.m. 12	1	2	3	4	5	6	7	8	9	10	11
Mondays through Thursdays	0	0	0	0	0	0	X	X	1	1	1	1	1	1	1	1	1	W	X	0	0	0	0	0
Fridays	0	0	0	0	0	0	X	X	1	1	1	1	1	1	1	1	1	W	X	0	0	0	0	0
Saturdays	0	0	0	0	0	0	X	X	1	1	1	1	1	1	1	1	1	1	X	0	0	0	0	0
Sundays	0	0	0	0	0	0	X	X	1	1	1	1	1	1	1	1	1	1	X	0	0	0	0	0

Flashing Arrow Board Required (mark one): YES ☒ NO ☐

LEGEND:

0 - Roadway may be closed in direction of travel.
1 - Provide at least one through lane open in direction of travel.
2 - Provide at least two through lanes open in direction of travel.
3 - Provide at least three through lanes open in direction of travel.
W - No lane closure permitted; work permitted anywhere that does not require lane closure.
X - No lane closure permitted; no work permitted on roadway.

REMARKS: AC milling, cement-stabilization, and AC paving shall be done as night work

Approved by Traffic Operations Engineer: **Date:** 3/25/2014

Note: Minor deviations from the requirements of this section concerning lane closure hours that do not change the cost of the work may be permitted upon the written request of the Contractor, if in the sole opinion of the Engineer, public traffic will be better served and the work expedited. These deviations shall not be adopted by the Contractor until the Engineer has approved the deviations in writing.

CHART NO. 4

LOCATION: Bigge St from Adams Ave east to end | **DIRECTION OF TRAVEL: WB**

FROM HOUR to HOUR	a.m. 12	1	2	3	4	5	6	7	8	9	10	11	p.m. 12	1	2	3	4	5	6	7	8	9	10	11
Mondays through Thursdays	0	0	0	0	0	0	X	X	1	1	1	1	1	1	1	1	1	W	X	0	0	0	0	0
Fridays	0	0	0	0	0	0	X	X	1	1	1	1	1	1	1	1	1	W	X	0	0	0	0	0
Saturdays	0	0	0	0	0	0	X	X	1	1	1	1	1	1	1	1	1	1	X	0	0	0	0	0
Sundays	0	0	0	0	0	0	X	X	1	1	1	1	1	1	1	1	1	1	X	0	0	0	0	0

Flashing Arrow Board Required (mark one): YES ☒ NO ☐

LEGEND:

0 - Roadway may be closed in direction of travel.
1 - Provide at least one through lane open in direction of travel.
2 - Provide at least two through lanes open in direction of travel.
3 - Provide at least three through lanes open in direction of travel.
W - No lane closure permitted; work permitted anywhere that does not require lane closure.
X - No lane closure permitted; no work permitted on roadway.

REMARKS: AC milling, cement-stabilization, and AC paving shall be done as night work

Approved by Traffic Operations Engineer: **Date:** 3/25/2014

Note: Minor deviations from the requirements of this section concerning lane closure hours that do not change the cost of the work may be permitted upon the written request of the Contractor, if in the sole opinion of the Engineer, public traffic will be better served and the work expedited. These deviations shall not be adopted by the Contractor until the Engineer has approved the deviations in writing.

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 San Leandro Police Department (510) 577-3208, Alameda County Fire Department (510) 670-5858, Paramedics Plus (510) 746-5700, and, if applicable, A. C. Transit (510) 891-4901, daily of closures, detours, etc.

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 PUBLIC SAFETY In addition to the requirements of Section 7-10.4 of the Standard Specifications, the following shall also be required of the Contractor:

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 The following paragraph is added to Section 7-10.4.1 of the Standard Specifications:

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 The following section is added to the Standard Specifications:

To the fullest extent legally required and applicable, Contactor 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 The following paragraph is added to Section 8-1 of the Standard Specifications:

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 PAYMENTS

9-3.1 GENERAL

PARAGRAPH 8 OF SECTION 9-3.1 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 of Section 9-3.1 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 Section 9-3.1.1 is added to the Standard Specifications thus:

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 of Section 9-3.2 of the Standard Specifications is removed. The following paragraphs are added to Section 9-3.2 of the Standard Specifications:

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.

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

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 Section 9-3.3 of the Standard Specification is replaced as follows:

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

9-3.4 MOBILIZATION The following paragraphs are added to Section 9-3.4 of the Standard Specifications.

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 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

Materials 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 Sections 82, 84, 85, and 86 of the 2010 edition of California Department of Transportation (Caltrans) Standard Specifications; and the Special Provisions (Technical Specifications) thereto adopted by the 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 Engineer or a valid encroachment permit.

SECTION 200 – ROCK MATERIALS

200-1 ROCK PRODUCTS. Rock products shall conform to the provisions of Section 200-1 "Rock Products," of the Standard Specifications, these Special Provisions, and the Standard Plans.

200-1.1 GENERAL. The following is added to Section 200-1.1 "General" of the Standard Specifications: A Certificate of Compliance shall be furnished by the Contractor for all aggregate used under these specifications.

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

200-1.2 CRUSHED ROCK AND ROCK DUST. The following is added to Section 200-1.2 "Crushed Rock and Rock Dust" of the Standard Specifications: percentage of material with fractured faces shall be determined by California Test 205.

Table 200-1.2A is revised as follows for 19 mm (3/4 in) Crushed Drain Rock:

TABLE 200-1.2 (A)

Percentage Passing Sieves	
Sieve Size	19.0 mm (3/4 in)
37.5 mm (1-1/2 in)	-
25.0 mm (1 in)	100
19.0 mm (3/4 in)	90 – 100
12.5 mm (1/2 in)	10 – 60
9.5 mm (3/8 in)	0 – 20
4.75 mm (No. 4)	0 – 5
2.36 mm (No. 8)	-
ASTM C 131 Test Grading	B

200-1.2.1 Screenings The following is added to Section 200-1.2.2 of the Standard Specifications: Screenings shall be medium fine size 8.0 x 2.36 mm (5/16" x No. 8) as shown in Table 200-1.2.1 (A) of the Standard Specifications.

200-1.4 COARSE AGGREGATE FOR CEMENT CONCRETE. Concrete aggregate shall be No. 3 of Table200-1.4 (B)

Sieve Sizes	Percent Passing Sieve
6"	100%
4"	25 – 100%
1"	5 – 25%
¾"	0 – 5%

200-2 UNTREATED BASE MATERIALS Untreated base materials shall conform to the provisions of Section 200-2 "Untreated Base Materials," of the Standard Specifications and these Special Provisions.

200-2.2 Crushed Aggregate Base Crushed aggregate base (CAB) shall conform to the provisions of Section 200-2.2 of the Standard Specifications and these Special Provisions.

200-2.2.1 General The following is added to section 200-2.2 of the Standard Specifications:

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 The following modifications are made to Section 200-2.2.3 of the Standard Specifications:

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 Crushed miscellaneous base (CMB) shall conform to the provisions of Section 200-2.4 of the Standard Specifications and these Special Provisions.

200-2.4.1 General The following is added to Section 200-2.4.1 of the Standard Specifications:

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

200-2.4.3 Quality Requirements The following modifications are made to Section 200-2.4.3 of the Standard Specifications:

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

200-2.5 Processed Miscellaneous Base Processed miscellaneous base shall conform to the provisions of Section 200-2.5, "Processed Miscellaneous Base," of the Standard Specifications and these Special Provisions.

200-2.5.3 Quality Requirements The following modifications are made to Section 200-2.5.3 of the Standard Specifications:

The percentage wear test and R-value shall be waived. Sand equivalent shall be 25 minimum.

200-2.6 Select Subbase Work shall be done per the Standard Specifications.

SECTION 201 – CONCRETE, MORTAR AND RELATED MATERIALS

201-1 PORTLAND CEMENT CONCRETE. Portland cement concrete shall conform to the provisions of Section 201-1, "Portland Cement Concrete," of the Standard Specifications, these Special Provisions and the Standard Plans.

201-1.1.2 CONCRETE SPECIFIED BY CLASS AND ALTERNATE CLASS The second sentence of the second paragraph has been replaced with the following:

The first number is the weight of cementitious material in kg per m^3 (lb. per yd^3), which consists of 100% portland cement conforming to 201-1.2.1.

201-2 REINFORCEMENT FOR CONCRETE. Work and material shall be per the Standard Specifications.

201-2.3 FIBER REINFORCEMENT. The following is added to City Standard Plan 222, Section 201-2.3 of the Standard Specifications. Concrete for utility frame and cover adjustments shall contain 0.68 Kg (1 ½ lbs) of concrete engineered reinforcing fibers per cubic yard. Fibers shall be Type III, consisting of 100% virgin homopolymer polypropylene, multifilament fibers. Fibermesh 150 from Propex Concrete Systems Corp, Chattanooga, TN, 1-8000621-1273, www.fibermesh.com, or approved equal.

201-3 EXPANSION JOINT FILLER AND JOINT SEALANTS Expansion Joint Filler and Joint Sealants shall conform to the provisions of Section 201-3, "Expansion Joint Filler and Joint Sealants," of the Standard Specifications and these Special Provisions.

201-3.2 PREMOLDED JOINT FILLER The following is added to Section 210-3 of the Standard Specifications:

EXPANSION JOINT FILLER for Portland cement concrete "Concrete Curbs , Walks, Gutters, and Driveways," shall be 6mm (1/4") Nonextruding and Resilient Filler (Bituminous) ASTM 1751.

EXPANSION JOINTS shall be installed in accordance with Section 303-5.4.2 of the Standard Specifications and these Special Provisions.

201-4 CONCRETE CURING COMPOUND. Work shall be done per the Standard Specifications.

201-5 CEMENT MORTAR Cement Mortar shall conform to the provisions of Section 201-5, "Cement Mortar," of the Standard Specifications and these Special Provisions.

The following is added to Section 201-5 of the Standard Specifications:

MANHOLE MORTAR AND PLASTER 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 conforming to the provisions of Section 201-5, "Cement Mortar," of the Standard Specifications to which ¼ to ½ part hydrated lime or lime putty has been added as specified in Section 202-1.5.1 "Mortar," of the Standard Specifications.

201-6 CONTROLLED LOW STRENGTH MATERIAL (CLSM). Controlled low strength material shall conform with Section 201-6 "Controlled Low Strength Material" of the Standard Specifications and these Special Provisions. The following is added to Section 201-6.1 of the Standard Specifications: Controlled Density Fill (CDF) shall conform with the requirements for CLSM.

201-6.2 MATERIALS The following is added to Section 201-6.2 of the Special Provisions:

CONTROLLED DENSITY FILL (CDF) for excavation backfill shall be a mixture of cement, fly ash, sand, air entraining agent and water batched by a ready mixed concrete plant and delivered to the jobsite by means of transit mixing trucks. Each cubic yard of CDF shall conform to the following requirements in the subsections below:

201-6.2.1 PORTLAND CEMENT

PORTLAND CEMENT Portland cement for soil stabilization shall be Type II or Type V as specified in ASTM C150/150M. Portland cement for CDF shall be Type II Cement (ASTM C-150) - 14kg – 18 kg (30-40 lbs) **maximum** per cubic yard.

201-6.2.2 AGGREGATES

SAND Sand for CDF shall conform to the gradation for asphalt concrete sand shown in Table 200 – 1.5.5 (A) of the Standard Specifications.

COARSE AGGREGATES – Coarse aggregates for CDF shall conform to gradation for No. 4 aggregates shown in Table 200-1.4(B)

201-6.2.4 ADMIXTURES

AIR ENTRAINING AGENT Air entraining agent for CDF shall conform to ASTM C-260 and shall result in 7% minimum entrained air.

201-6.2.5 FLY ASH

FLY ASH Fly ash for CDF shall be Type F, ASTM C-618, 136kg (300lbs) minimum per cubic yard

201-6.3 PROPORTIONING. CDF for excavation backfill shall be a mixture of cement, fly ash, sand, air entraining agent and water batched by a ready mixed concrete plant and delivered to the jobsite by means of transit mixing trucks. Each cubic yard of CDF shall contain the following:

Type II Cement (ASTM C-150) - 14kg – 18 kg (30-40 lbs) per cubic yard.

Type F Fly Ash (ASTM C-618) - 136 kg. (300 lbs) per cubic yard.

Sand – Conforming to the gradation for asphalt concrete shown in Table 200 – 1.5.5 (A) of the Standard Specifications.

Air Entraining Agent (ASTM C-260) – Entrained air shall be 7% minimum.

Slump – 150 – 200 mm (6” – 8”)

Compressive Strength – Unconfined, 28 day compressive strength shall be 345 – 1035 kPa (50 – 150 psi).

The actual mix proportions shall be determined by the producer, subject to prior approval by the Engineer.

201-6.5 TESTING The following is added to Section 201-6.4 of the Standard Specifications:

SLUMP The minimum slump for CDF shall be 150 – 200 mm (6” – 8”)

COMPRESSIVE STRENGTH The maximum unconfined, 28 day compressive strength shall be 345 – 1035 kPa (50 – 150 psi).

201-6.6 PLACEMENT Contractor’s attention is hereby directed to Section, 306-1.3, “Backfill and Densification,” the Standard Specifications and these Special Provisions.

201-7 NON-MASONRY GROUT. The following is added to section 201-6.1 of the Standard Specifications: The grout must be a cementitous, flowable, non-shrink product. Grout shall be Cellcrete or approved equal.

SECTION 203 BITUMINOUS MATERIALS

203-1 PAVING ASPHALT. Paving asphalt shall conform to the provisions of Section 203-1, "Paving Asphalt," of the Standard Specifications and these Special Provisions.

203-2 LIQUID ASPHALT. Liquid asphalt shall conform to the provisions of Section 203-2 "Liquid Asphalt" of the Standard Specifications and these Special Provisions.

203-2.1 GENERAL. The following is added to Section 203-2.1 of the Standard Specifications:

PRIME COAT Prime coat shall be SC-70.

TACK COAT used as asphalt binder for pavement reinforcing fabric shall be PG 64-10.

203-3 EMULSIFIED ASPHALT. Emulsified asphalt shall conform to the provisions of Section 203-3 "Emulsified Asphalt" of the Standard Specifications and these Special Provisions.

203.3.1 GENERAL. The following is added to Section 203-3.1 of the Standard Specifications:

FOG SEAL Fog seal shall be SS1h with one part water added to one part emulsified asphalt.

TACK COAT Excepting asphalt binder for pavement reinforcing fabric or mesh, tack coat shall be SS1h with no water added.

203-6 ASPHALT CONCRETE. Asphalt Concrete shall conform to the provisions of Section 203-6, "Asphalt Concrete," of the Standard Specifications and these Special Provisions.

203-6.1 GENERAL. The following is added to Section 203-6.1 of the Standard Specifications:

Asphalt Concrete for base courses shall be PG 64-10 or PG 64-10 RAP (15% maximum reclaimed asphalt pavement), 3/4-inch maximum Caltrans Type A aggregate.

Asphalt Concrete for surface courses shall **ONLY** be PG 64-10, 3/4-inch maximum Caltrans Type A aggregate.

The Engineer may specify 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.

CRACK FILLER Asphalt concrete for filling cracks larger than one (1") inch and other uses as directed by the Engineer shall be F-PG-64-10 (channel liner/sheet fines) conforming to Table 203-6.4.3 (A).

PAVEMENT TRANSITION Asphalt concrete for pavement transitions shall be class D2-SC-800 ("cut back").

TEMPORARY RESURFACING Asphalt concrete for temporary trench resurfacing shall be class D2-SC-800 ("cut back").

203-6.3.2 AGGREGATE Aggregate shall conform to the provision of Section 203-6.3.2 "Aggregate," and these Special Provisions. Aggregate fractured faces shall meet the requirements of 200-1.2 as tested by California Test 205. (Caltrans Type 'A').

The required grading of the combined aggregates and the percentage of asphalt binder, represented by "B" above, shall conform to the requirements indicated in Section 203-6.4.2, "Composition and Grading," of the Standard Specifications (Caltrans Type 'A').

SECTION 203-7 RECYCLED ASPHALT CONCRETE-HOT MIXED

203-7.1 GENERAL Recycled asphalt concrete (RAC) shall conform to the provisions of Section 203-7, "RECYCLED ASPHALT CONCRETE-HOT MIXED," of the Standard Specifications and these Special Provisions.

The Contractor shall use recycled asphalt concrete (RAC) conforming to Section 203-7 for base courses (lower lifts) and pavement repairs ONLY. All surface or riding courses (final lifts) shall be Asphalt Concrete conforming to Section 203-6.

The amount of recycled asphalt concrete shall be fifteen (15) percent or less of the total mix. The product shall meet both the asphalt grade and gradation specified in these Special Provisions.

The supplier of recycled asphalt concrete shall maintain a job mix formula at the plant. The formula shall be based on current test data and shall conform to Section 203-7.2.2 of the Standard Specifications. RAC mix designs and all test data shall be submitted to the Engineer for his review and approval before the use of any RAC material on the project.

Recycled asphalt concrete shall be PG 64-10 RAC, unless otherwise specified (Caltrans Type A, 3/4" max). The Engineer may specify PG 70-10 Paving Grade Asphalt to bridge poor subgrade conditions or provide resistance to retting or, if air temperatures become hot enough to warrant its use, at no additional cost to the City.

203-8 ASPHALT PAINT. Work shall be done per the Standard Specifications.

206-3 GRAY IRON CASTINGS Gray Iron Castings shall conform to the provisions of Section 206-3, "Gray Iron Castings," of the Standard Specifications and these Special Provisions.

206-3.3 MANHOLE FRAME AND COVER SETS. The following is added to Section 203-3.3 of the Standard Specifications: Manhole Frame and Covers shall be as shown on Standard Plan 220. The following suppliers stock frames and covers that meet these specifications:

D&L Supply	Phoenix Iron Works
250 5th Street	499 Embarcadero
Oakland, CA 94606	Oakland, CA 94606
(510) 832-2171	(510) 465-9900

EBMUD VALVE POTS:
If Additive Bid Item A1 is incorporated into the contract, then EBMUD shall furnish the contractor with EBMUD standard water valve pot grade rings and G-5 valve boxes and covers at no cost to the contractor. The Contractor shall be responsible for the transportation of these water valve pot grade rings, boxes, and covers from EBMUD, Oakport Storage, 5601 Oakport Street, Oakland, CA 94621-4001.

If Additive Bid Item A1 is not incorporated into the contract, then EBMUD shall adjust their own water valve pots.

SURVEY MONUMENT Survey Monument Frame and Covers shall be adjusted as shown on Standard Plan 134.

SECTION 207 - PIPE

207 GENERAL The following is added to Section 207 of the Standard Specifications:

Pipe material for sanitary sewer point repairs (Bid Items 25 and 26) shall be vitrified clay pipe.

SECTION 208 PIPE JOINT TYPES AND MATERIALS

208 PIPE JOINT TYPES AND MATERIALS Pipe Joint Types and Materials shall conform to the provisions of Section 208, "Pipe joint Types and Materials," of the Standard Specifications and these Special Provisions.

208-2 Joints for Clay Pipe The following is added to Section 208-2 of the Standard Specifications:

Joints Joints for repairs shall be Type "D" conforming to Section 208-2.2, "Type "D" Joints," of the Standard Specifications.

SECTION 209 – ELECTRICAL COMPONENTS

209-1 GENERAL

209-2 REFERENCE SPECIFICATIONS

The following is added to Section 209-2 "Reference Specifications" of the Standard Specifications and these Special Provisions:

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.

209-2.6 EQUIPMENT LIST Unless otherwise permitted in writing by the Engineer, the Contractor shall, within 15 days following approval of the contract, submit to the Engineer for review, a list of equipment and materials which he proposes to install as specified in Section 2-5.3 of the Standard Specifications. The list shall provide the Engineer a means by which to approve partial payments. The list shall be complete as to name of manufacturer, size, and identifying number of each item. In addition, the Contractor shall, in accordance with 2-5.3, submit detailed drawings and wiring diagrams for all electrical equipment to be used. The Agency will not be liable for any material purchased, labor performed, or delay to the Work prior to review of documents required above.

If requested by the Engineer, the Contractor shall submit for review sample articles of the material proposed for use. After review, said sample articles will be returned to the Contractor.

Equipment list and drawings of electrical equipment and material shall conform to the provisions of Section 86-1.03, "Equipment List and Drawing", of the Caltrans Standard Specifications and these Special Provisions.

209-2.7 MAINTAINING EXISTING AND TEMPORARY ELECTRICAL SYSTEMS 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. Lighting system shutdowns shall not interfere with the regular lighting schedule, unless otherwise permitted by the Engineer. The Contractor shall notify the Engineer prior to performing any work on existing systems.

209-2.10 CONDUCTOR IDENTIFICATION 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. Conductor identification shall conform to the provisions of Section 86-2.08A "Conductor Identification" of the Caltrans Standard Specifications.

209-5.3 CONDUCTORS AND CABLES

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.

Except as provided for elsewhere in these Special Provisions, all conductors, No. 12 and smaller, shall be solid copper with type THHN insulation.

GROUND WIRE Ground wire required in rigid non-metallic conduit shall be #8 stranded copper with Type THWN green insulation, or bare.

TRACING CONDUCTOR Tracing conductor shall be No. 12 with THHN insulation.

209-5.8 DETECTORS. The following modifications are made to Section 209-5.8 "Detectors":

209-5.8.1 GENERAL. Detector handholes shall be installed at all inductive loop locations conforming to the details on Standard Plan ES-5D.

209-5.8.2 INDUCTIVE LOOP DETECTORS. The following is added to Section 209-5.8.2 "Inductive Loop Detectors".

209-5.8.2.3 CONDUCTORS.

INDUCTIVE LOOP DETECTOR Inductive loop detectors shall be Type 2 conforming to the provisions of Section 86-5.01A(4), "Construction Material" of the Caltrans Standard Specifications.

DETECTOR LEAD-IN CABLE. Detector lead-in cable (DLC) shall be Type B conforming to the provisions of Section 86-5.01A(4), "Construction Material" of the Caltrans Standard Specifications.

209-5.8.2.4 INDUCTIVE LOOP SLOT SEALANT. Sealant for inductive loop detectors shall conform to the provisions of Section 86-5.01A(5), "Installation Details," for Asphalt Emulsion sealant of the Caltrans Standard Specifications and these Special Provisions.

SECTION 210 - PAINT AND PROTECTIVE COATINGS

210-1 PAINT. Paint shall conform with Section 210-1 "Paint" of the Standard Specifications and these special provisions.

210-1.6.1 GENERAL. The following is added to Section 210-1.6.1 "General" of the Standard Specifications: Unless otherwise specified or shown on the plans, traffic striping and pavement markings shall be thermoplastic conforming to the provisions of Section 84-2, "Thermoplastic Traffic Stripes and Pavement Markings" of the 2010 edition of the California Department of Transportation (Caltrans) Standard Specifications, these Special Provisions and City Standard Plans.

All pavement marker, markings, and striping shall be done in accordance with Standard Plan 616.

SKID RESISTANT THERMOPLASTIC

Composition	
Binder	20% (18% min)
Glass Beads	20% (15% min)
TiO2 Pigment	10% (7% min)
Filler	35% (37% min)
Cullet	15% (10% min)

The crushed glass cullet in such a mixture shall be produced from cullet of clear glass, with a maximum size of 850 micrometers (100% passing by weight) and minimum size of 425 micrometers (0-5% passing by weight). The skid resistance shall be a minimum of 55 BPN. The maximum thickness shall be 3 mm (1/8").

Skid resistant Thermoplastic can be substituted with Flint Trading, Inc. "Pre-Mark" preformed thermoplastic with VIZIGRIP products, 336-475-6600, www.flinttrading.com.

SECTION 211 - SOILS AND AGGREGATE TESTS

211-1 SIEVE ANALYSES. Work shall be done per the Standard Specifications.

211-2 COMPACTION TESTS. Compaction tests shall conform with Section 211-2 "Compaction Tests" of the Standard Specifications and these special provisions.

211-2.1 LABORATORY MAXIMUM DENSITY. The following is added to Section 211-2.1 "Laboratory Maximum Density" of the Standard Specifications: Relative compaction tests will be performed in accordance with California Test Methods 216 and 231 for soils and aggregates, and California Test Methods 308, 309 and 375 for asphalt concrete.

211-3 SAND PERMEABILITY TEST. Work shall be done per the Standard Specifications.

211-4 PERMEABILITY TEST. Work shall be done per the Standard Specifications.

SECTION 214 PAVEMENT MARKERS

214-1 GENERAL. Pavement Markers shall conform to Section 82 and 85 of the Caltrans Standard Specifications and applicable Caltrans Standard Plans, and City Standard Plans.

214-2 TYPE OF MARKERS. The following is added to Section 85-1.02 "Type of Markers" of the Caltrans Standard Specifications:

Type I – Two-Way Blue Reflective Markers

214-7 BITUMINOUS ADHESIVE. The following modification is made to Section 85-1.055 "Adhesives" of the Caltrans Standard Specifications: Epoxy adhesives shall not be used. All markers shall be secured with hot melt bituminous adhesives.

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

Section 215 "Roadside Signs, Construction Area Signs and Traffic Control Signs" is added to the Standard Specifications and these Special Provisions.

215-1 ROADSIDE SIGNS

Signs associated with rubber speed cushion installations shall be on unistrut poles per City Standard Plan No. 136 with W17-1 (Speed Bump) and W13-1 (15 MPH) signs per City Standard Plan No. 131A.

Bike lane related signage shall be installed on unistrut poles per City Standard Plan No. 136.

215-2 CONSTRUCTION AREA SIGNS

215-2.1 GENERAL.

All construction area signs shall be install and maintained throughout the duration of the projects at the locations shown on the plans and as directed by the Engineer in accordance with the 2012 CA MUTCD and these Special Provisions. This requirement will apply continuously and will not be limited to normal working hours. All construction area signs shall conform to the nominal dimensions, color and legend requirements of the plans, the 2012 CA MUTCD. All sign panels shall be the product of a commercial sign manufacturer.

Construction Area Signs shall meet the requirements of Section 7-10, "Public Convenience and Safety" of the Standard Specifications and these Special Provisions.

Sign panels for all Construction Area Signs shall be visible at 152 m (500') and legible at 91 m (300'), at noon on a cloudless day and at night under illumination of legal low beam headlights, by persons with vision of or corrected to 20/20. Sign panels for construction area signs shall consist of 3M Scotchlite Diamond Grade VIP Reflective Sheeting, Series 3990 applied to an aluminum or plywood sign substrate.

Signs shall be the size indicated in the following table:

Description	Size
W20-1 "Road Work Ahead"	1.22 m (48") x 1.22 m (48") minimum
G20-2 "End Road Work"	1.5m (60") x 0.6m (24") minimum
W8-8 "Rough Road"	0.75 m (30") x 0.75 m (30") minimum
W8-7 "Loose Gravel"	0.75 m (30") x 0.75 m (30") minimum
W21-2 "Fresh Oil"	0.6 m (24") x 0.6 m (24") minimum
Type P "Steel Plates Ahead"	0.9 m (36") x 0.9 m (36") minimum

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

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

Alameda CTC funding signs shall be provided by the City. Contractor shall pick up the Alameda CTC signs at City Hall located at 835 E. 14th St in San Leandro. Alameda CTC signs shall be returned to San Leandro City Hall after construction is completed.

215-3 TRAFFIC CONTROL SIGNS

215-3.1 GENERAL. Traffic control shall meet the requirement of Section 7-10, "Public Convenience and Safety" of the Standard Specifications and these Special Provisions.

All traffic control signs shall conform to the nominal dimensions, color and legend requirements of the plans, the 2012 CA MUTCD. All sign panels shall be the product of a commercial sign manufacturer.

Sign panels for all traffic control signs shall be visible at 152 m (500') and legible at 91 M (300'), at noon on a cloudless day and at night under illumination of legal low beam headlights, by persons with vision of or corrected to 20/20. Sign panels for traffic control shall consist of 3M Scotchlite Diamond Grade VIP Reflective Sheeting applied to an aluminum or plywood substrate.

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 above. 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 for 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".

SECTION 216 – RUBBER SPEED CUSHIONS

216-1 GENERAL. Rubber speed cushions shall be per City Standard Plan No. 131B and shall conform to the following:

Rubber speed cushions shall be manufactured by an ISO 9002 approved company in the USA. Products by other manufacturers are not acceptable unless approved by the Engineer.

The speed cushions shall be modular in design with a standard width of 6'-6" and standard length of 6'-8", but both the width and length shall be adjustable by adding or changing modules. The rubber speed cushions shall have a flat top with a height of 3", and the entrance and exit ramp gradient shall be 1: 10 (max), and the side ramp gradient shall be 1 : 4 (max). The entrance, exit and side ramps shall provide a smooth transition to the pavement with a maximum step of 1/2".

The speed cushion modules shall be made from 100% recycled rubber and a two-part polyurethane binder. The rubber shall contain no rubber dust, granules or fly that will weaken the product. The rubber speed cushion modules shall be compress molded and have the following properties:

a) Shore A Hardness - 65 minimum
b) Specific Gravity - 1.13
c) Skid Resistance - 89 (dry)
d) Tensile Strength - 500 p.s.i. minimum
e) Deform Rate - None (100% recovery after compression)
f) Color - black
g) Markings – two white reflective arrows (16" wide by 27" high) made of marking tape molded into the rubber

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 Sections 82, 84, 85, and 86 of the 2010 edition of California Department of Transportation (Caltrans) Standard Specifications; and the Special Provisions (Technical Specifications) thereto adopted by the 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 Engineer or a valid encroachment permit.

SECTION 300 - EARTHWORK

300-1 CLEARING AND GRUBBING Clearing and Grubbing shall conform to the provisions of Section 300-1, "Clearing and Grubbing" of the Standard Specifications and these Special Provisions.

300-1.1 GENERAL. The following is added to Section 300-1.1 "General" of the Standard Specifications: Roots and stumps shall be removed to a minimum depth of 600 mm (24") below finish grade. Unless otherwise shown on the plans or directed by the Engineer, existing trees shall be protected and remain in place.

300-1.3.1 GENERAL. The following is added to Section 300-1.3.1 "General" of the Standard Specifications:

Burning of material is not permitted. All sawcut residues shall be collected concurrent with the sawcutting operation by vacuum or other method approved by the Engineer and disposed of by the Contractor.

All overlapping asphalt, concrete, slurry seal, etc. shall be removed from gutters and driveways that are adjacent to cold mill, keycut, or pavement removal work and shall be considered included work required by Section 302-1.

Any damaged curb or gutter shall be replaced at Contractor's sole expense.

REMOVE WEEDS The Contractor shall remove all weeds between the gutter lip and the existing street pavement after grinding operation is complete.

REMOVE PAINT AND THERMOPLASTIC PAVEMENT MARKING Pavement markings in areas which are not to be subsequently resurfaced shall be ground in a rectangular pattern to completely obliterate the original message. The Contractor shall remove and dispose of the grinding material. All areas not subsequently resurfaced shall be fog sealed and sanded.

REMOVE PAVEMENT MARKERS AND TRAFFIC STRIPING Existing pavement markers, lane striping, and traffic bars within the limits of work not shown as existing to remain shall be removed and disposed of.

300-1.3.2 REQUIREMENTS. The following modifications are made to Section 300-1.3.2 "Requirements" of the Standard Specifications:

a) Existing AC improvements shall be sawcut to a minimum depth of 150 mm (6").
b) Existing PCC improvements shall be sawcut to a minimum depth of 150 mm (6"). PCC improvements to be removed shall be sawcut along existing scorelines.

AC Pavement to be removed for trenches shall be initially sawcut even with the trench walls. **Final sawcut for 300 mm (12") "T" sections on each side of the trench wall shall be made immediately prior to paving** (see Standard Plans, drawings 122A and 122B, "Trench Resurfacing" and "Trench Resurfacing Notes," respectively). Sawcut residue shall be vacuumed concurrently with the sawing operations. Sawcut "overcuts" shall be sealed with an approved crack sealer. If gutter lip, existing trench edge, cold joint, cracked or failed AC pavement, etc., is within an additional 600 mm (24"), AC shall be replaced in kind to that gutter lip, existing trench edge, cold joint, cracked or failed AC pavement, etc.

Excavation shall be done to the line and grade shown on the Plans or marked in the field.

Temporary resurfacing shall be immediately installed in accordance with Section 302-5.2.5, "Pavement Transitions," of the Standard Specifications and these Special Provisions.

Unless otherwise shown on the plans or directed by the Engineer, existing trees shall be protected and remain in place. Tree roots larger than 51 mm (2") in diameter which are removed during the course of work shall be sealed using an approved sealant.

300-2 UNCLASSIFIED EXCAVATION. Unclassified excavation including roadway excavation, shall conform to the provisions of Section 300-2, "Unclassified Excavation" of the Standard Specifications and these Special Provisions.

300-2.1 GENERAL The following is added to Section 300-2.1 "General" of the Standard Specifications :

300-2.1 UNCLASSIFIED EXCAVATION Unclassified excavation shall conform to the provisions of Section 300-2,10 "Unclassified Excavation" of the Standard Specifications and these Special Provisions.

The Contractor's attention is directed to Section 7-8, "Project Site Maintenance" of the Standard Specifications and these Special Provisions.

Excavation shall be done to the lines and grades shown on the plans or marked in the field and shall include excavation under PCC improvements for placement of base materials.

Excavation equipment shall be approved by the engineer prior to its use. Preferred method of roadway excavation for street rehabilitation shall conform to Sections 302-1 "Cold Milling Existing Pavement" of the Standard Specifications and these Special Provisions.

All streets shall be cleaned of all excavated material grinding residue immediately following the grinding machine and before opening the street to traffic.

The Contractor shall remove all weeds between the gutter lip and the existing street pavement after grinding operation is complete. All AC, concrete, slurry seal, etc. shall be removed from the gutters and driveways in accordance with Section 300-1.3.1 of these Special Provisions.

300-2.2 UNSUITABLE MATERIAL. The following is added to Section 300-2.2 "Unsuitable Material" of the Standard Specifications:

After scarification and cultivation is completed in accordance with Section 301-1 and when the subgrade material cannot be compacted to a firm, hard, unyielding condition under heavy construction equipment by the methods specified in Section 301-1, "Subgrade Preparation" through no fault of the Contractor, the material shall be considered as Unsuitable Subgrade Material. Scarification and cultivation of the top six (6) inches of subgrade shall be required prior to determination of Unsuitable Subgrade Material.

Unsuitable Subgrade Material shall be removed and disposed of, and suitable material shall be placed and compacted to the planned subgrade as directed by the Engineer and shall be paid for in accordance with Section 3-2.4 "Agreed Prices" of the Standard Specifications.

300-2.6 SURPLUS MATERIALS. The following is added to Section 300-2.6, "Surplus Materials", of the Standard Specifications.

Excess material shall become the property of the contractor and shall be removed and legally disposed of by the Contractor. This material may be a mixture of AC and/or AB materials mixed with routine soil materials. There is no guarantee implied as to the recyclability and/or resale value of grading residue/excavated materials. Adequate tests shall be performed at the Contractor's expense to determine

the profile of waste materials to determine appropriate disposal locations. Class 2 disposal sites shall be considered in the bid item price. Class 1 or 3 materials shall be paid for in accordance with Section 3-2.4 "Agreed Prices" of the Standard Specifications. The Contractor shall be responsible for any storage or stockpiling of materials as necessary for the profile testing.

300-2.9 Payment The following is added to Section 300-2.9 "Payment" of the standard specifications:

Removal of surplus road base or pulverized material shall be included in the contract price paid per cubic yard for Bid Items (3) and no additional compensation will be allowed therefore.

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

301-1 SUBGRADE PREPARATION. Subgrade preparation shall conform to the provisions of Section 301-1, "Subgrade Preparation" of the Standard Specifications and these Special Provisions.

301-1.2 Preparation Of Subgrade. The following is added to Section 301-1.2 "Preparation of Subgrade" of the Standard Specifications:

301-1.3 Relative Compaction. The following is added to Section 301-1. "Relative Compaction" of the Standard Specifications: After compaction and trimming, the subgrade shall be firm, hard and unyielding under the load of heavy construction equipment.

The subgrade relative compaction shall not be less than 95 percent in all areas **EXCEPT** where curb, gutter, driveway, curb ramp or sidewalk is to be placed.

The subgrade relative compaction shall not be less than 90 percent in all areas where curb, gutter, driveway, curb ramp or sidewalk is to be placed.

Relative compaction tests of the subgrade may be made by the City. Contractor shall make the work available for such testing. Relative compaction tests will be performed in accordance with California Test Method No.'s 216 and 231.

301-1.6 ADJUSTMENT OF MANHOLE FRAME AND COVER SETS TO GRADE. Adjustment of Manhole Frame and Cover Sets shall conform to the provisions of Section 301-1.6, "Adjustment of Manhole Frame and Cover Sets to Grade" of the Standard Specifications and these Special Provisions.

All utility frames and covers shall be adjusted to grade in conformance with the details shown on City Standard Plan "Utility Frame and Cover Adjustment" (Dwg. 222, Case 3101).

Contractor is responsible for referencing out all manholes, valves, monuments, etc. and for locating them after the paving work. The locations of manholes, valves, monuments, etc., shown on the plans are general locations intended to assist contractor with the bid. The City does not expressly or by implication agree that the actual locations shall be as shown on the plans, or that all manholes, valve or monuments that are on the streets are shown on the plans. Contractor is responsible for locating and adjusting all manholes, valves, monuments, etc., and shall notify the City of any discrepancies found in the field. If existing manholes, etc. are not properly referenced, the City will deduct the cost of researching and locating manholes, etc. from monies due the Contractor.

The Contractor shall lower all frames and covers for manholes, monuments, clean-outs, splice boxes, etc and utility company manholes and valves below the lowest grading plane in all streets prior to beginning of any grinding/excavation operations. If Additive Bid Item A1 is not incorporated into the contract, then Contractor is responsible for coordinating with EBMUD such that water valve pots are lowered prior to roadwork. This work is not limited to removal of riser rings and shall include cutting, chipping, or sawing of collars, cones, barrels, bricks, metallic valve pot/riser sections, etc. to provide on unobstructed grading plane. Facilities below shall be protected from damage and debris from entering. False bottoms shall be installed in all manholes and storm water inlets to prevent debris from entering. Such false bottoms shall be immediately removed upon completion of adjustment to grade operations. The Contractor may arrange with the appropriate Utility Company to perform this work on their facilities or use his own forces. The Contractor shall keep affected utilities notified daily of the progress of work.

Unless shown otherwise on the plans, Utility Company manholes, valve covers and risers etc., shall be adjusted by the utility company after the paving work is completed unless the utility company provides the necessary labor, materials, tools, equipment, and incidentals to make the adjustments during the paving operation. Utility Company manholes, valve covers, etc., that are not adjusted during the paving operation shall have a rake hole left over the casting exposing the entire cover to provide emergency access.

Utility Company valve covers shall be masked or otherwise protected from tack coat. All covers shall be cleaned and restored to their original condition, including repainting if necessary, regardless of the condition of the manhole covers prior to construction.

Two inch (2") rake hole shall be provided on all other manholes, monuments, cleanouts, etc., to be adjusted after paving.

Manhole frames and covers etc. shall be adjusted to grade to conform within 1/8 inch of the adjusted pavement elevation within three (3) days after paving operation is completed on each street. All City owned manhole frames and covers that do not match Standard Plan 220, Case 1301shall be replaced with new fames and covers. Where existing manhole castings are to be raised to new street elevation, the Contractor shall remove all new and old asphalt concrete from the cover and rim. The Contractor shall also mark or index each cover to its respective frame ("matched pairs") prior to beginning work. Contractor shall notify the City of any frames and covers which are found to rock or are noisy prior to lowering of iron. Otherwise, the Contractor is responsible for the replacement of any rocking or noisy frames and covers. Any valve boxes, splice boxes, etc. that are damaged shall be replaced at the Contractor's expense.

The Contractor shall complete the adjustment to final grade of all manholes, etc., in accordance with the following requirements:

1. Coordinate work among subcontractors to avoid cutting through new traffic stripes and vehicle detector loops. Contractor shall be responsible for the reinstallation of all damaged detector loops and traffic stripes caused by poor coordination work.
2. All traffic lanes to be opened by 4:30 p.m. or as otherwise noted on Lane Closure Charts.
3. No depressions after traffic lanes are open. Protect newly poured collars subject to vehicular traffic with trench plates until concrete has sufficiently set to withstand damage.
4. No more than five (5) manholes may be opened at any one time on any one street.
5. All work must be confined to one traffic lane at a time in each direction. Traffic is not to weave to avoid adjustments.

301-1.6.3 ADJUST EBMUD WATER VALVE POT TO GRADE. Water valve pot frames and covers shall be lowered prior to roadway excavation/milling and adjusted to final grade after paving work is completed, to conform within 1/8 inch of the adjusted pavement elevation in accordance with Section 301-1.6.

If Additive Bid Item A1 is not made part of this contract and EBMUD is to adjust their water pots to grade, Contractor shall notify EBMUD fifteen (15) working days prior to start of construction to allow EBMUD to lower their water valve pots prior to road grinding or excavation. Contractor shall keep EBMUD updated on the construction schedule and give EBMUD two weeks notice prior to completion of final paving such that EBMUD can schedule crews to raise the water valves to finish grade.

EBMUD shall be contacted immediately if any EBMUD facilities are damaged or disturbed during construction.

301-1.7 PAYMENT. The following is added to Section 301-1.7 "PAYMENT" of the Standard Specifications:

The contract unit price paid per each for "Adjust Sanitary Sewer Manhole Frame & Cover to Grade" Bid Item No. (5) shall include all work required by Section 301-1.6 for the adjustment of sanitary sewer manhole frame and covers.

The contract unit price paid per each for "Adjust Storm Drain Manhole Frame & Cover to Grade" Bid Item No. (6) shall include all work required by Section 301-1.6 for the adjustment of storm water manhole frame and covers.

If incorporated into the contract, the unit price paid per each for Additive Bid Item No. (A1), "Adjust Water Valve Pot Frame & Cover to Grade", shall include all work required by Section 301-1.6.2.
Payment for all other work in Section 301-1 shall be included in the bid price paid for the item for which the subgrade was prepared.

301-2 UNTREATED BASE Untreated Base shall conform to the provisions of Section 301-2, "Untreated Base" of the Standard Specifications and these Special Provisions.

301-2.1 GENERAL Work shall be done per the Standard Specifications.

301-2.2 SPREADING Work shall be done per the Standard Specifications.

301-2.3 COMPACTING The following is added to Section 301-2.3 of the Standard Specifications:

The relative compaction of each layer of a compacted aggregate base shall be not less than 95 percent in all areas EXCEPT areas where curb, gutter, driveway, curb ramp or sidewalk is to be places.

The relative compaction of each layer of compacted aggregate base shall be not less than 90 percent in all areas where curb, gutter, driveway, curb ramp or sidewalk is to be placed.

Relative compaction tests of each layer of the aggregate base will be made by the City when requested in writing by the Contractor. Relative compaction tests will be performed in accordance with California Test Method No's 216 and 231.

301-3 PORTLAND CEMENT TREATED MIXTURES

301-3.1.1 GENERAL The following is added to section 301-3.1.1 of the Standard Specifications and these Special Provisions:

This specification shall govern the process known as Full-Depth Rehabilitation (FDR). FDR consist of reconstructing an existing distressed pavement section by in-place recycling of the pavement materials and chemical treatment to enhance the structural properties of the recycled materials. This work consists of pulverizing the existing roadway materials and uniformly mixing in Portland cement and water. Depending on the design, AC may be milled off prior to pulverization. The mixture shall then be compacted, finished, and cured in such a manner that the in-place cement treated mixture forms a dense, uniform mass conforming to the lines, grades, and cross sections shown on the plans.

301-3.1.2 MATERIALS The following is added to section 301-3.1.2 of the Standard Specifications and these Special Provisions:

In-place material – Material to be treated with Portland cement shall consist of pulverized asphaltic concrete, existing aggregate base, and underlying native subgrade soils.

Stabilizing Reagent – Portland cement is proposed for use as a composite stabilizing reagent. All cement to be used or furnished shall be Type II or Type V conforming to ASTM C150/150M. The cement shall be protected from moisture until used and be sufficiently dry to flow freely when handled. Cement shall be furnished in bulk and not exposed until applied to prepared grade.

Prior to spreading, a Certificate of Compliance and a certified copy of the shipping weight shall be submitted to the Engineer for each delivery.

Water – Water shall be clean and potable and shall be added as needed during mixing and re-mixing operations, during compacting, during the curing period, and to keep the cured material moist until covered.

301-3.1.3 EQUIPMENT The following is added to section 301-3.1.3 of the Standard Specifications and these Special Provisions:

FDR section shall be constructed utilizing a combination of equipment that will produce results that meet all the requirements herein. The Engineer prior to use shall approve such machines.

Cement Spreader: The cement spreader shall be equipped with such instrumentation and control equipment to control spread rates over variable travel speeds. The operator shall demonstrate that the instrumentation and control equipment is calibrated and capable of controlling the spread rates within specifications.

Mixer: The mixing equipment shall be capable of mixing the full-specified depth of cement treatment, leaving a relatively smooth plane at the bottom of the FDR section. Mixing equipment shall be equipped with a visible depth indicator showing the mixing depth, and odometer or footmeter to indicate travel speed, and a controllable water additive system for regulating water added to the mixture.

Compactors: When compacting cement treated sections greater than eight (8) inches, a sheepsfoot type compactor capable of compacting the entire section to the project specification shall be used.

301-3.1.4 PREPARATION The following is added to section 301-3.1.4 of the Standard Specifications and these Special Provisions:

Remove the existing asphalt concrete surfacing to the depth indicated on the plans, then pulverize the existing materials per the design section noted.

Existing materials shall be pulverized so that 100 percent will pass a 2-inch (50-mm) sieve and a minimum of 85 percent will pass a 1-inch (25-mm) sieve. If underlying soil conditions are unstable due to high moisture content, Contractor shall notify engineer for additional direction.

The pulverized materials shall be graded to conform to the lines and grade shown on the Plans prior to application of the cement. Grading operations will require some movement of material along the grade and/or off-haul to conform to the lines and elevations shown on the Plans and to allow for the new asphalt concrete section to be installed. **Contractor shall review the grades with the Engineer or the City Inspector every 50' along the centerline prior to application of cement.**

No more of the existing roadway sections shall be pulverized or removed in any working day than can be relayed as specified above in that working day. Pulverized material shall be temporarily compacted at the end of each day with a smooth drum roller, to allow for traffic.

301-3.1.5 Cement Application, Mixing, and Spreading The following is added to section 301-3.1.5 of the Standard Specifications and these Special Provisions:

The Portland cement shall be applied in one operation to the required width, grade and cross section. Cement shall be evenly spread at the designated rate and shall not vary more than 5% of the mix design spread rate (lb/sq yd). Only a calibrated spreader able to provide a uniform distribution of the cement throughout the treatment area shall spread cement. The cement shall be added in a dry state and every precaution shall be taken to prevent dusting.

Tailgate spreading of the stabilizing reagent will not be permitted. Tailgating is defined as having manual control of the spread rate, instead of automatic. The spreader truck shall demonstrate the ability to maintain a consistent spread rate over variable travel speeds. The contractor will demonstrate the consistency of the spread rate by conducting multiple pan tests.

The spreading operations shall be conducted in such a manner that a hazard is not present to construction personnel or the public. All reagent spread shall be thoroughly mixed into the soil the same day that reagent-spreading operations are performed.

Truck tags will be used to verify amount of cement delivered to project. The City may conduct a pan test to verify the cement spread rate. The pan test consists of placing a 3 square foot pan on the grade in front of the spreader truck. After cement has been spread, the cement is weighed to determine the rate of spread in pounds per square foot.

Cement shall not be spread or mixed/hydrated while the atmospheric temperature is below 40° F. At the Engineers discretion, processing will be allowed if temperature is rising.

301-3.1.6 Mixing in Place The following is added to section 301-3.1.6 of the Standard Specifications and these Special Provisions:

The depth of treatment shall be the depth designated on the Plans or as determined by the Engineer within 0.05± feet. In areas where mixer cannot access, such as around manholes or curbs, Contractor shall process the same day by pulling the material away from obstacles immediately after cement application. Material and cement shall be relayed to an area accessible to mixing equipment.

Mixing equipment shall be equipped with a visible depth indicator showing mixing depth, a speedometer to indicate travel speed and a controllable water additive system for regulating water added to the mixture. The mixer shall be capable of automatically adjusting itself to maintain a constant depth. The initial mix shall be done while introducing water through a controllable pump on the mixing machine. Mixing and re-mixing, regardless of equipment used, will continue until the material is uniformly mixed, free of streaks or pockets of un-hydrated reagent.

Cement treatment can be conducted in one lift provided the contractor can demonstrate that the spread rate, particle size, and compaction can be achieved. On the initial mix, the water truck must have a solid connection to the mixer. The water shall be injected directly into the mixing chamber and shall produce a homogenous blend free from streaks or pockets of dry cement. Leakage of water from equipment will not be permitted. Care shall be exercised to avoid the addition of any excessive water.

When mixed material, exclusive of one inch or larger clods, is sprayed with phenolphthalein alcohol indicator solution, areas showing no color reaction will be considered evidence of inadequate mixing.

The pulverized mixture of asphalt concrete and underlying material, supplementary aggregate, and cement must comply with the grading requirements for the sieve sizes shown in the following table:

Sieve Size	Percent Passing
3”	100
2”	95-100
1.5"	85-100

After initial mixing and hydration, the treated material shall mellow for a minimum of 1-hour and a maximum of 2-hours, prior to re-mixing and compacting.

No traffic other than the mixing equipment or other related construction equipment will be allowed to pass over the exposed cement until after completion of mixing.

Contractor is required to complete mixing and initial compaction of the FDR-cement section within 2 hours of initial hydration of cement.

301-3.1.8 PLACING, COMPACTING, AND FINISHING The third paragraph in this section regarding cement-treated sections greater than 8 inches was removed. The following is added to section 301-3.1.8 of the Standard Specifications and these Special Provisions:

Compacting - Maintain moisture above the optimum moisture content, but within allowable range as determined by the moisture/density relationship of the compaction curve. The FDR-cement section shall be compacted to 97% minimum relative compaction (wet density) per California Test 231.

The maximum compacted thickness of a single layer may be any thickness the contractor can demonstrate to the engineer that his equipment and method of operation will provide the required compacted density throughout the treated layer.

Initial compaction – Contractor shall achieve the projects minimum compaction requirement during initial compaction operation. Lift thickness of 4 to 8 inches shall be by means of a steel-tired or pneumatic-tired roller. Lift thickness of 8 to 12 inches shall be compacted by means of a sheepsfoot compactor. Lift thickness greater than 12 inches shall be compacted by a sheepsfoot compactor with an open ring design to prevent bridging of the lower half of the FDR section. Areas inaccessible to rollers shall be compacted to the required compaction by other means satisfactory to the Engineer.

Surface compaction. Surface compaction is defined as the upper 3 inches of the FDR section. Surface compaction shall be by means of steel-tired or pneumatic-tired roller. Areas inaccessible to rollers shall be compacted to the required compaction requirement by other means satisfactory to the Engineer.

Final Grading. Surface compaction and finish grading shall proceed in such a manner as to produce, in not more than 2 hours from initial compaction, a smooth, closely knit surface conforming to the crown, grade and line indicated and will be free of cracks, ridges or loose material.

Maintain moisture content on surface within allowable range during all grading procedures.

All excess material above the grade tolerance specified by the plans should be removed from the grade prior to final surface compaction of the FDR section. This excess material can be used in areas

inaccessible to treatment equipment, provided the cement base material is used within the allotted time constraints.

The trimmed and completed surface shall be rolled with steel or pneumatic tired rollers. Minor indentations may remain in the surface of the finished material as long as no loose material remains in the indentations.

Subgrade shall conform to Section 301-1.4, Subgrade Tolerances, of the Standard Specifications. Contactor shall ensure subgrade elevations are per the design profile within the allowable tolerances before proceeding with AC paving.

Contractor shall provide the Engineer with elevations of the subgrade every 50' along the centerline at least one day prior to AC paving.

Curing - After placement and compaction of the FDR-cement section is completed, it shall be protected against drying and traffic for 3-days, with the exception of Bigge Street, which will be open to traffic during the 3-day curing period.

Curing shall be moist (water fogging), bituminous seal, or other method approved by the Engineer. Asphaltic emulsion must be Grade SS1h or CSS1h. If moist curing is used, exposed surfaces of the FDR section shall be kept continuously moist with a fog spray for 3 days. If a bituminous curing is used, it shall consist of liquid asphalt or emulsified asphalt meeting the requirements of Section 203.

The bituminous curing seal shall be applied in sufficient quantity to provide a continuous membrane over the soil at a rate of between 0.13 and 0.25 gallon per square yard of surface with the exact rate determined by the Engineer. It shall be applied as soon as possible after the completion of final rolling. The asphalt emulsion shall have a residual asphalt rate of 0.03 to 0.05 gallon per square yard. The surface shall be kept moist while the seal is applied. At the time the bituminous material is applied, the soil surface shall be dense, shall be free of all loose and extraneous material, and shall contain sufficient moisture to prevent excessive penetration of the bituminous material.

Microcracking – During the period from 48 to 72 hours after compaction, microcrack the cement-stabilized surface by applying 3 single passes with a 12-ton vibratory steel drum roller at maximum amplitude travelling from 2 to 3 mph.

Traffic Loading – Once hydration and compaction requirements have been met, contractor may be allowed to place subsequent structural sections over the stabilized base section provided that the following criteria's are met:

A. The FDR section is stable and non-yielding under a minimum 10 ton proof-roll.

B. The FDR section has no evidence of shrinkage cracking

C. The FDR section criteria's have been met, including the FDR section thickness, percentage of cement placed, and quantity or volume of FDR treatment confirmed.

Repair – If the FDR-cement section is damaged, it shall be repaired by removing and replacing the entire depth of affected layers in the damaged area. Feathering will not be permitted for repair of low areas.

Tack Coat – Apply a tack coat immediately prior to placing HMA on the cement-stabilized surface. The asphalt emulsion shall have a residual asphalt rate of 0.03 to 0.05 gallon per square yard.

Clearance Requirement of Existing Utilities below Stabilized Base

Clearance shall be measured from the bottom of the proposed stabilized base section to the top of the existing utility.

Stable Conditions – When conditions between the stabilized base section and the utility or below the utility are stable (unyielding), a minimum clearance of six (6) inches is required between the bottom of the stabilized base section and the top of the utility.
Unstable Conditions – When conditions between the stabilized base section and the utility or directly below the utility are unstable (movement under load), a minimum clearance of twelve (12) inches will be required between the bottom of stabilized base section and top of utility.

Utilities within the Stabilized Base Section

When the existing utility is located within the stabilized base section, the Contractor shall utilize other methods to install the stabilized base section. Alternative methods shall be approved by the Engineer prior to implementation. Stabilized base section installation options that the Contractor may consider include, but are not limited to:

Stabilizing reagent may be spread over the utility, but not mixed in-place. After the reagent has been applied to the exposed grade contractor may excavate the material around the utility, including the reagent, and relay it to an area where mixing can occur away from the exposed utility. Once the excavated materials have been properly hydrated and mixed, the treated material can be used to backfill around the utility. The mixing machine should have a minimum horizontal clearance of twelve (12) inches from the edge of any utility.

The contractor shall provide special care to ensure that no damage occurs to the exposed utility. Where applicable and soil conditions could warrant, sand bags, pipe rollers or other approved supports shall be used and spaced at sufficient distance to prevent pipe from coming in contact with the ground.

Contractor may elect to use a controlled Low Strength Material (CLSM/CDF) as specified in these Special Provisions material to backfill below or around the utility. Flowable fill material must meet a minimum unconfined compressive strength of 500 psi to be used as backfill.

301-3.4.1 PROTECTION OF EXISTING UTILITIES

The contractor shall verify, by potholing or other means acceptable to and approved by the Engineer, that there is sufficient cover over the utilities to provide clearance for the soil mixing process without damage to the existing utility facilities. This verification shall be done where each utility crosses the boundary of a stabilized area, and at a minimum of one location in between. This paragraph shall not relieve the Contractor of conforming with all utility protection requirements contained elsewhere in these Special Provisions, or in the Standard Specifications.

The Contractor shall be responsible for the protection of existing pipelines, manholes, catch basins, valve boxes and other utility structures that are to remain within the excavation work area. Any such utility facilities that are damaged from roadway excavation work performed by the Contractor shall be either repaired or replaced to the satisfaction of the Engineer at no cost to the City, in accordance with Greenbook Specifications

Utility Clearance Specification for Stabilized Base Section

This specification covers work necessary to prepare, avoid, and repair existing utilities during installation of the stabilized base section. Specifications address minimum clearance requirements for existing utilities below the treated section and installation methods for utilities located within the treated section.

At all phases of the project, the Contractor shall be responsible for the protection of existing pipelines, manholes, catch basins, valve boxes and other utility structures that are to remain within the stabilized base work area. Any such utility or utility facility that is damaged during the installation of the stabilized base section by the Contractor shall be either repaired or replaced to the satisfaction of the Engineer at no cost, in accordance with Greenbook Specifications

General

Where mixing or excavation equipment is used, a qualified person shall be on-site at all times to direct and respond to utility interference and safety issues. The Contractor shall provide adequate proof that qualified person is trained. Where such work is sub-contracted, the same requirements will follow.

Contractor shall provide all labor, equipment, and materials necessary to complete work in areas where stabilized base section is utilized. The contractor shall verify soil type by any means up to and including digging test holes and provide such information to the owner, upon request, prior to installation of stabilized base section.

Location of Existing Utility Pipeline, Conduits and Service Laterals

The contractor shall obtain, in advance of stabilization processing, the layout for all buried utilities through potholing. Potholing shall be done prior to AC milling operations. This verification shall be required every 100' for gas and water mains running longitudinally along the project street segment. All other utilities within the soil stabilization area shall be potholed every 200' with the exception of sanitary sewer and storm drains. For utility mains crossing the project street, the utility depth shall be verified where the main crosses the boundary of the stabilized base area and at a minimum of one location in between. Water and gas laterals shall be potholed once adjacent to the lip of gutter and again at the midpoint between the gutter and the utility main. Utility depths obtained through potholing shall be submitted to the Engineer at least 24 hours prior to cement-treatment of road base. For stabilized sections not within a 3.5 feet radius of any utilities, exposure holes are deemed as optional.

This paragraph shall not relieve the Contractor of conforming with all utility protection requirements contained elsewhere in these special provisions, or in the Standard Specifications.

301-5.10 MEASUREMENT AND PAYMENT. The contract price paid per square foot for Bid Item (10), Soil Stabilization Full-Depth Rehab Method (Equipment & Labor Only), shall include full compensation for furnishing all labor, tools, equipment, and incidentals and for doing all the work required by Section 301-3 except as noted below.

The contract price paid per square foot for Bid Item (11), Soil Stabilization at Locations with Utilities Within Stabilized Base Section (Equipment & Labor Only), shall include full compensation for furnishing labor, tools, equipment, and incidentals required by Section 301-3.4.2, Protection of Existing Utilities, of these Special Provisions. Measurement for this Bid Item shall be for the actual square footage of soil stabilization done through alternative methods due to shallow utilities that do not meet the clearance requirements below the stabilized base section outlined in Section 301-3.4.2.

Payment for cement used to stabilize the base section shall be under contract Bid Item (12), "Cement for Soil Stabilization". Contractor shall supply the City with material tags to quantify the amount of cement utilized for stabilization of the road base.

Bid Item (14), Potholing, shall include full compensation for furnishing all labor, tools, equipment, and incidentals and for doing all work involved in verifying utility depths at each location per Section 301-3.4.2, Protection of Existing Utilities, of these Special Provisions.

SECTION 302 ROADWAY SURFACING

302-1 COLD MILLING OF EXISTING PAVEMENT. Pavement grinding shall conform to the provisions of Section 302-1, "Cold Milling Asphalt Concrete Pavement" of the Standard Specifications and these Special Provisions and City Standard Plans 126 and 128.

Existing asphalt concrete pavement shall be removed by milling or grinding to the lines and grades shown on the plans and as directed by the Engineer. The contractor shall immediately notify the Engineer if the existing subgrade grading planes and/or the pavement surface plane (existing or cold milled) will affect the Contractor from meeting the specified tolerance. Failure to notify prior to completion of grinding operations and/or commencement for paving operation shall be considered as Contractor's concurrence that existing surface is suitable for compliance to tolerances stated.

All asphalt concrete, concrete, slurry seal emulsion, etc., up to 75 mm (3") wide shall be removed from the concrete gutter after grinding operation is complete and shall be considered included work required by Section 300-1 and/or Section 302-1. Asphalt concrete, slurry seal emulsion and other residue on concrete gutters to be removed, may be intermittent throughout the project: Some concrete gutters when exposed after such milling work may require the use of new asphalt concrete to provide smooth flow line to adjacent concrete gutter surfaces.

302-1.2 MILLING MACHINE. Pavement grinding equipment shall conform to the provisions of Section 302-1.2 "Milling Machine" of the Standard Specifications and these Special Provisions shall be approved by the Engineer prior to use.

A diamond blade pavement grinder (Caltrans designation PGD1A shall be used to grind to specified tolerance any high areas of pavement. Contractors attention is directed to Section 302-5.6.2 "Density and Smoothness" of these Special Provisions.

302-1.7 WORK SITE MAINTENANCE. The Contractor shall clean the street of all grinding residue as provided for in Section 302-1.7 "Work Site Maintenance", of the Standard Specification immediately following the grinding machine and prior to opening the street to traffic. Grinding residue shall be disposed of as provided for in Section 300-2.6 "Surplus Materials" of these Special Provisions.

302-1.10 PAVEMENT TRANSITIONS. The following is added to Section 302-1.10 "Pavement Transitions" of the Standard Specifications.

The Contractor shall immediately construct Pavement Transition in accordance with Section 203-6.1 "Pavement Transition" of these Special Provisions conforms at private property to provide continual access.

Areas which have been cold milled or excavated that are subject to pedestrian traffic, including but not limited to marked and un-marked crosswalks, and at all driveways, where the offset equals or exceeds 3/8 inch shall be immediately overlaid with Pavement Transition two (2) feet in width and the length of crosswalk or driveway prior to opening the area to pedestrian or vehicle traffic.

At pavement conforms or excavations where the offset equals or exceeds 3/8 inch shall be immediately overlaid with Pavement Transition six (6') feet minimum in width or a slope of 1:8 maximum prior to opening the street to traffic.

Longitudinal cold mill or excavated joints where the offset equals or exceeds 3/8 inch shall be overlaid with Pavement Transition two (2) feet in width prior to opening the street to traffic.

302-1.11 MEASUREMENT The following is added to Section 302-1.11:

The estimated quantities for AC Milling and Offhaul (Final Quantity), Bid Item No. (3), shall be the FINAL QUANTITY for which payment for excavation will be made unless the dimensions, scope, limits or grades of excavation shown on the plans are revised by the Engineer. If such dimensions are revised and such revisions result in any increase or decrease in the quantities of such work, the final quantities for payment will be revised in the amount represented by the changes in the dimensions based on the unit price in the bid. The estimated quantities for excavation shall be considered as approximate only and no guarantee is made that theses quantities which are determine by computations, based on the details and dimensions shown on the plans, will equal the actual quantities excavated. No allowance will be made in the event that the quantities based on computations do not equal the actual quantities excavated.

302-1.12 PAYMENT. Section 302-1.12 "Payment" is amended as follows:

The contract unit price paid per cubic yard for AC Milling and Offhaul (Final Quantity), Bid Item No. (3), shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all work required by Section 302-1, Cold Milling of Existing Pavement.

302-3 AC Dig Outs. The following sections are added to the Standard Specifications:

302-3.1 General
Contractor shall remove and replace the road material to a depth of 6" below the existing surface. Removal shall be done in accordance with section 302-1, and removal includes off hauling per section 7-8.1. Installation of new material shall be done in accordance with Section 302-5. Dig out depths may be modified in the field at the direction of the Engineer.

302-3.2 Payment
Bid Item (4), Failed Existing AC Pavement Repairs (Dig Outs), shall include full compensation for furnishing all labor, tools, equipment, and incidentals and for doing all work specified in Section 302-3.

302-5 ASPHALT CONCRETE PAVEMENT. Asphalt concrete pavement shall conform to the provisions of Section 302-5, "Asphalt Concrete Pavement", of the Standard Specifications and these Special Provisions.

302-5.1 GENERAL. The following is added to Section 302-5.1, "General", of the Standard Specifications:

The Contractor shall use Reclaimed Asphalt pavement (RAP) conforming to Section 203-6 of these Special Provisions for base courses (lower lifts).

The final lift, surface or riding course, shall be virgin Asphalt Concrete conforming to Section 203-6 of these Special Provisions.

All streets shall be paved within five (5) calendar days from the date of completion of the cement-treatment of the road base materials.

302-5.3 PRIME COAT. The following is added to Section 302-5.3, "Prime Coat", of the Standard Specifications: Unless otherwise noted on the plans, prime coat shall not be required.

302-5.4 TACK COAT. The following is added to Section 302-5.4, "Tack Coat", of the Standard Specifications :

Prior to the application or tack coat on existing pavement, the pavement shall be power broomed to remove all dirt, rocks, leaves water or other foreign material and shall be done to the satisfaction of the Engineer.

Tack coat shall be applied where AC is to be installed directly on any existing hard surfaced pavement or improvement or to the surface of any course over 12 hours old or when the Engineer determines that the surface condition of the course will prevent a satisfactory bond between it and the succeeding course.

302-5.5 DISTRIBUTION AND SPREADING. The following is added to Section 302-5.5, "Distribution and Spreading", of the Standard Specifications:

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 degrees Fahrenheit.

Asphalt concrete shall be spread and compacted in the number of layers of the thicknesses indicated in the following table:

Total Thickness Shown on Plans	No. of Layers	Top Layer Thickness (ft)		Next Lower Layer Thickness (ft)		All Other Lower Layer Thickness (ft)	
		Min.	Max.	Min.	Max.	Min.	Max.
0.20' or less	1	-	-	-	-	-	-
0.21' – 0.29'	2*	0.12	0.15	0.12	0.15	-	-
0.30' – 0.40'	2	0.15	0.20	0.15	0.25	-	-
0.41 – 0.45'	2 (min)	0.15	0.20	0.15	0.25	0.15	0.33
0.46' – 0.78'	3 (min)	0.15	0.20	0.15	0.25	0.15	0.33
0.79' or more	4 (min)	0.15	0.20	0.15	0.25	0.15	0.33

*At the option of the Contractor, one layer 0.25-foot thick may be placed.

Asphalt concrete shall only be placed by the methods described in this section. Blade lay by a motor grader is not permitted.

Asphalt concrete may be deposited by transfer trucks in a windrow on the roadway in advance of the paving operation for pick-up and depositing into the self-propelled paving machine subject to the following conditions:

1. Transfer trucks must be capable of backing up.
2. Double bottom dump trucks are prohibited.
3. The pick-up machine shall not transmit loads to the paving machine that adversely affect the finished surface.
4. The windrow shall not be placed at intersections or block side streets
5. The maximum windrow length in front of the paving machine shall be 200 feet.
6. The Contractor shall furnish a "Dump Man" whose sole responsibility shall be for the control of windrow distribution.

Asphalt concrete distribution shall commence at the roadway gutter lip or the low edge of the roadway. Unless operations have been suspended for the day, subsequent asphalt concrete distribution passes shall be placed adjacent to the previous pass while the previous asphalt concrete distribution pass is still hot. The maximum distribution pass shall be 1,000 feet.

The tracks or wheels of spreading equipment shall not be operated on the new asphalt concrete pavement until final compaction has been completed. Trucks, loaded or empty, shall not be allowed on the new roadway surface until the asphalt concrete reaches ambient temperature.

The Contractor shall have the option of providing the extra manpower and equipment necessary to work under low over hanging branches or to hire a licensed arborist to trim trees for adequate clearance. A list of proposed trees to be trimmed shall be submitted for Engineer approval prior to proceeding. Written permission shall be obtained from the property owner for any trees on private property prior to proceeding.

In areas inaccessible to the paving equipment spreading and compacting of asphalt shall be performed by any method which will produce an asphalt concrete pavement of uniform smoothness, texture and density. Said area shall not exceed 20 square feet each without approval of the Engineer.

302-5.6 ROLLING. Rolling shall conform to the provisions of Section 302-5.6, "Rolling", of the Standard Specifications and these Special Provisions.

302-5.6.1 GENERAL. The following is modifications are made to Section 302-5.6.1, "General" of the Standard Specifications:

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 to 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 degrees Fahrenheit and all breakdown compaction shall be completed before the temperature of the machine drops below 200 degrees Fahrenheit.

Open graded asphalt concrete shall be placed at temperatures between 200 degrees and 250 degrees 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. The following is added to Section 302-5.6.2, "Density and Smoothness" of the Standard Specifications:

The Contractor shall immediately notify the Engineer in writing if the existing subgrade grading plane and/or the pavement surface plane (existing or cold milled) will affect the contractor from meeting the specified grade tolerance. Failure to notify prior to completion of grinding operations and/or commencement for paving operation shall be considered as Contractor's concurrence that existing surface is suitable for compliance to tolerance stated.

Low areas for pavement not meeting smoothness tolerances shall be ground to 37.5 mm (1 1/2") or 2 times the maximum size of the aggregate minimum depth and repaved. High areas shall be ground to tolerance with diamond blade pavement grinder. (Caltrans designations PGD1A) and fog sealed. All corrective work shall be at Contractor's sole expense.

All new asphalt concrete pavement to be subsequently resurfaced and/or Chip or Slurry Sealed and parking lots shall be fog sealed.

302-5.7 Joints. Work shall be done per the Standard Specifications.

302-5.8 Manholes (and other structures). The following is added to Section 302-5.8 "Manholes (and other structures)" of the Standard Specifications:

All City owned manhole frames and covers within limit of work that do not match Drawing 220, Case 3101 shall be replaced with new frames and covers; All other frames and covers shall be either punched or marked "Matched Pairs" prior to removal, cleaning and reuse. Contractor shall install false bottom on all manholes prior to roadway excavation to prevent debris from entering.

Structures shall be reset in accordance with section 301-1.6.

The Contractor's attention is directed to Section 301-1.6 "Adjustment of Manhole Frame and Cover Sets to Grade and Section 302-5.8 "Manholes (and Other structures)" of these Special Provisions.

Manholes, monuments, water valves, clean-outs, etc. within keycut and repair/rehab areas shall be lowered below the grinding plane prior to grinding. Grinding shall be done to the grinding plane required, chipping and/or jack hammering is strictly prohibited. All utility frame and covers shall be adjusted to grade in conformance with the details shown of City Standard Plan 222 "Utility Frame and Cover Adjustment".

302-5.9 Measurement and Payment. The following is added to Section 302-5.9, "Measurement and Payment", of the Standard Specifications:

Bid Item (13) Asphalt Concrete Paving shall include payment for all work required by Section 302-5 "Asphalt Concrete Pavement" except work specified under Section 302-5.8.

Bid items (5), (6), and (7) shall include payment for all work required by Section 302-5.8 "Manholes (and other structures)".

The Contractor shall furnish to the Engineer a legible copy of a licensed weighmaster's certificate showing gross, tare and net weight of each truck load of asphalt concrete mixture. When an automatic batching system is used, the licensed weighmaster's certificate may show only the net weight of material in the truckload. These certificates must be signed by a representative of the Engineer on the same day the material was delivered to the project site. These certificates will be used as the basis of payment.
Payment for all work described in section 302-5 necessary for the construction of a 2' wide AC tie-in per standard drawing numbers 100, 102 and 128 is included in the contract price paid for the bid items that require installation of concrete adjacent to asphalt concrete.

302-5.10 COMPENSATION ADJUSTMENT FOR ASPHALT CONCRETE. Section 302-5.10 "Compensation Adjustment for Asphalt Concrete" is added to these Special Provisions:
The provisions of this Section shall apply only to all bid Asphalt Concrete:

The compensation payable for asphalt concrete bid items will be increased or decreased in conformance with the provisions of this Section for price fluctuations exceeding 10 percent (Iu/Ib is greater than 1.10 or less than 0.90) in the California Statewide Crude Oil Price Index which occur during performance of the work.

The adjustment in compensation will be determined in conformance with the following formula when the item of asphalt concrete bid items is included in a monthly estimate:

A. Total monthly adjustment – AQ
B. For an increase in crude oil price index exceeding 10 percent:

$$A = 0.90\ (Iu/Ib - 1.10)\ Ib.$$

C. For a decrease in crude oil price index exceeding 10 percent:

$$A = 0.90\ (Iu/Ib - 0.90)\ Ib.$$

D. Where:

A = Adjustment in dollars per ton of paving asphalt used to produce asphalt concrete and/or asphalt concrete base rounded to the nearest $0.01.

Iu = The California Statewide Crude Oil Price Index for the month in which the quantity of asphalt subject to adjustment was placed in the work

Ib = The California Statewide Crude Oil Price Index for the month in which the bid opening for opening for the project occurred.

Q = Quantity in ton of paving asphalt that was used in producing the quantity of asphalt concrete bid items included on the monthly estimate using the submitted weighmaster's certificate

$$Q = (\text{Tons of AC placed during subject month}) \times [Xa / (100 + Xa)]$$

Xa is the theoretical asphalt content from the job mix formula expressed as percentage of the weight of the dry aggregate.

The adjustment in compensation will also be subject to the following:

A. The compensation adjustments provided herein will be shown separately on payment estimates.

B. Compensation adjustments made under this Section will be taken into account in making adjustments in conformance with the provisions in the contract for increased or decreased quantities.

C. In the event of an overrun of contract time, adjustment in compensation for paving asphalt included in estimates during the overrun period will be determined using the California Statewide Crude Oil Price Index in effect on the first business day of the month within the pay period in which the overrun began.

The California Statewide Crude Oil Price Index is determined each month on or about the first business day of the month by Caltrans using the average of the posted crude oil prices in effect for the previous month as posted by Chevron, Exxon Mobil and ConocoPhillips for the Buena Vista, Huntington Beach, and Midway Sunset fields. This information can be found online at:

http://www.dot.ca.gov/hq/construc/crudeoilindex/

SECTION 306 UNDERGROUND CONDUIT CONSTRUCTION

306-1 OPEN TRENCH OPERATIONS Open Trench Operations shall conform to the provisions of Section 306-1 "Open trench Operations" of the Standard Specifications and these Special Provisions.

306-1.1 Trench Excavation The following is added to section 306-1.1 of the Standard Specifications:

Pipe and conduit installation shall be constructed according to the details shown on the City of San Leandro Standard Plans "Trench Backfill," (Dwgs. 120A and 120B, Case 3101) and "Trench Resurfacing," (Dwgs.122A and 122B, Case 3101).

All trenches must be backfilled and temporarily resurfaced or plated with steel trench plates or protected with K-Rail at the end of each working day. Contractor shall not open more trench in advance of pipe laying than is necessary to expedite the work. No trench shall be opened at the end of the working day.

K-Rail shall be installed when extended period of open trench will be present and required by the Engineer.

REMOVING GROUND WATER Ground water shall be removed from the trench and kept to a level six (6) inches below the structure subgrade.

306-1.1.2 Maximum Length of Open Trench. The following is added to section 306-1.1.2 of the Standard Specifications:

The maximum allowable trench width measured twelve (12) inches above the top of the pipe shall be the outside diameter of the pipe plus twelve (12) inches on each side of the pipe and such width shall be inclusive of all trench bracing, shoring and timbers.

Whenever the maximum allowable trench width is exceeded for any reason, the Contractor shall, at his own expense, embed or cradle the pipe in concrete. Concrete embedment shall be monolithic cradle of plain concrete having a thickness of one-fourth the inside pipe diameter and extending up the sides for a height equal to one-fourth the outside diameter. The cradle shall have a width at least equal to the outside diameter of the pipe barrel plus eight (8) inches. Concrete for embedment shall be Class 450-C-2000.

306-1.1.6 Bracing Excavations The following is added to Section 306-1.1.6 of the Standard Specifications:

Prior to any excavation five (5) feet or more in depth, the Contractor shall submit for the acceptance of the Engineer:

(1) A detailed plan showing the design of shoring, bracing, sloping, or other provisions to be made for worker protection from the hazard of caving ground during excavation of any trench or trenches five (5) feet or more in depth. If the plan varies from the shoring system standards established by the construction safety order, the plan shall be prepared by a registered Civil or Structural Engineer.

(2) The permit required by Labor Code Section 6700-6708 from the Division of Industrial Safety.

Shoring or other provisions to support said excavations will not be inspected by the City. Contractor shall obtain the permit required by Labor Code Section 6464 from the Division of Industrial Safety and submit copies to the Engineer prior to any excavation operations.

All trenches shall be warranted through a one-year maintenance/warranty period against settling. Contractor is responsible to come back and repair at his expense.

306-1.2.1 Bedding The following is added to section 306-1.2.1 of the Standard Specifications:

Bedding material shall conform to the details shown on the City Standard Plans "Trench Backfill" (Dwgs. 120A and 120B, Case 3101).

306-1.2.2 Pipe Laying and Alignment The following is added to Section 306-1.2.2 of the Standard Specifications:

The Contractor shall confirm that the locations and elevation of existing facilities in the vicinity of pipe laying shown on the plans are correct. The Contractor shall report any discrepancies or conflicts to the Engineer.

The horizontal and vertical pipe alignment and the location and depth of pipeline structures may be adjusted to avoid existing underground facilities or to make connections to underground appurtenances. The Contractor shall excavate trenches a sufficient distance in advance laying the pipe to uncover such facilities or appurtenances and to permit the Engineer to check their locations and make the necessary changes in alignment of pipe and in the depth of pipeline structure.

New pipeline shall be inserted flush with the inside wall of the manhole by cutting a hole at the elevation as shown on the Plans. The annular space between the pipe and manhole wall shall be filled with a non-shrinking grout to prevent leakage around the pipe.

306-1.3 BACKFILL AND DENSIFICATION Backfill and Densification shall conform to the provisions of Section 306-1.3 "Backfill and Densification", of the Standard Specification and these Special Provisions:

306-1.3.1 General The following is added to Section 306-1.3.1 of the Standard Specification:

Compaction shall conform to the details shown on the City Standard Plans "Trench Backfill" (Dwgs. 120A and 120B, Case 3101).

306-1.3.2 Mechanically Compacted Backfill The following is added to Section 306-1.3.2 of the Standard Specification:

Trench backfill shall conform to the details shown on City Standard Plans "Trench Backfill" (Dwgs. 120A and 120B, Case 3101).

306-1.3.6 Mechanical Compaction Requirements The following is added to Section 306-1.3.6 of the Standard Specification:

Mechanical Compaction Requirements shall conform to details shown on City Standard Plans "Trench Backfill," (Dwg. 120B, Case 3101).

306-1.3.9 Controlled Low Strength Material (CLSM) This section is added to these Standard Specifications:

The CLSM mix shall conform to the requirements to Section 201-1, "Portland Cement concrete," of these Special Provisions.

CLSM may be discharged from the transit mixer by any reasonable means into the area to be filled. CLSM shall be brought uniformly to the elevation shown on the plans and receive a wood float finish for

subsequent AC placement. The ends of trench sections to be filled with CLSM shall have appropriate bulkheads to contain the mixture.

CLSM placed as backfill around pipes that may float shall be securely anchored in place and CLSM placed in lifts. The first lift shall not be higher than the mid-point of the pipe. The first lift shall be allowed to consolidate sufficiently to provide anchorage for the pipe before subsequent lifts are placed on top.

The backfill shall be consolidated in accordance with Section 303-1.8.4 "Consolidating," of the Standard Specifications.

306-1.4 TESTING PIPELINES Contractor's attention is directed to section 306-1.4 of the Standard Specifications.

306-1.5 TRENCH RESURFACING The following is added to Section 306-1.5 of the Standard Specifications:

Trench resurfacing shall conform to the details shown on the City Standard Plan "Trench Resurfacing" (Dwgs. 122A, 122B, and 122C Case 3101), and as indicated on the Project Plans.

306-1.5.1 Temporary Resurfacing The following is added to Section 306-1.5.1 of the Standard Specifications:

Temporary resurfacing material shall be D2-SC-800.

It is the Contractor's responsibility to maintain the temporary or "cutback" asphalt pavement throughout the duration of work at each work location and until final paving is completed. The Contractor shall regularly monitor each cutback area and make necessary repairs to insure public safety and convenience, and as directed by the Engineer.

306-9 Measurement & Payment

The contract lump unit prices paid for Bid Item (25), Remove and Replace Portion of 6" VCP Sanitary Sewer, and for Bid Item (26), Remove and Replace Portion of 8" VCP Sanitary Sewer include full compensation for furnishing all labor, tools, equipment, and incidentals and for doing all work specified in Section 306

SECTION 307 - STREET LIGHTING AND TRAFFIC SIGNALS

307-1 GENERAL

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 most current edition, and the City of San Leandro Standard Plans (Dwg. 500A, 500B, 500C, 500D).

307-1.1 DESCRIPTION. The following is added to Section 307-1.1, "Description", of the Standard Specifications: The Work shall include furnishing and installing inductive loops, detector wells, and video detection systems per plans and the Standard Specifications.

307-1.4 WARRANTIES, GUARANTIES, AND INSTRUCTION SHEETS Manufacturers' warranties, guarantees and instruction sheets shall conform to the provision of Section 307-1.4, "Warranties, Guarantees and Instruction Sheets", of the Specifications and these Special Provisions, except the video vehicle detection system shall be warranted per Section 209-6.4 of these Special Provisions.

The Contractor shall deliver the executed Guaranty form contained in the Proposal Section of the Contract Book to the Engineer prior to initial acceptance of the work. The guaranty period shall be twelve (12) months after the date the Notice of Completion is recorded by the City.

The Contractor's attention is directed to the provisions of Section 2-4, "Contract Bonds", of these Special Provisions.

307-1.5 MAINTENANCE OF EXISTING SYSTEMS. The following is added to Section 307-1.5, "Maintenance of Existing Systems", of the Standard Specifications: 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 periods allowed for lane closures listed, or shall be as specified in the Special Provisions. Lighting system shutdowns shall not interfere with the regular lighting schedule, unless otherwise permitted by the Engineer. The Contractor shall notify the Engineer prior to performing any work on existing systems.

Maintaining existing temporary Signal systems shall conform to the provisions in Section 86-1.05, "Maintaining Existing and Temporary Electrical Systems", of the Caltrans Standard Specifications and these Special Provisions.

The Contractors attention is directed to Section 7-10.1 "Traffic and Access" of the Standard Specifications and these Special Provisions.

At least two (2) working days prior to performing any work on existing City systems, the Contractor shall notify the City Public Works Service Center Traffic 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.

307-1.5.2 SCHEDULING OF WORK.

Scheduling of Work shall conform to the provisions in Section 86-1.07, "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. General construction shall conform to the provisions of Section 307-2, "Construction General", of the Standard Specifications and these Special Provisions.

A ground wire and tracing conductor conforming to the provisions of Section 209-2.4, "Wire", of these Special Provisions shall be installed in all non-metallic conduit.

307-2.1 EXCAVATION AND BACKFILL 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 Signal improvements shall conform to Section 86-2.02 "Removing and Replacing Improvements"' of the Caltrans Standard Specifications and these Special Provisions.

307-2.5 CONDUIT

Conduit installation shall conform to the provisions in the Section 86-2.05, "Conduit", of the Caltrans Standard Specifications and Section 209-2.3 of these Special Provisions.

Conduits shall be installed as shown on the plans.

Conduits shall be laid to depths as shown on City Standard Plan No. 120A in lieu of the depths specified in the Standard Specifications.

Bedding for rigid non-metallic conduit shall be four (4) inches of sand conforming to Section 200-1.5 of these Special Provisions, where opened trenched.

Trench backfill shall be Crushed Aggregate Base conforming to Section 200-2.2 and Section 306 of these Special Provisions and as detailed on City Standard Plan "Trench Backfill" (Dwg. 120A and 120B, Case 3101). Aggregate Base backfill shall be compacted to 95% relative compaction (90% under curb, gutter and sidewalk).

At the Contractor's option and sole expense, trenches may be backfilled with Control Density Fill (CDF) as detailed on City Standard Plan "Trench Backfill" (Dwg. 120A and 120B, Case 3101) conforming to the provisions of Section 306-l.3.7, "Imported Backfill", of the Standard Specifications.

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.

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.

Conductors, cables and wiring for Signal Systems shall conform to the provisions in Section 86-2.08, "Conductors and cables", and Section 86-2.09 "Wiring" of the Caltrans Specifications and Section 209-2.4, "Wiring", 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.

SPLICES FOR TRAFFIC SIGNAL SYSTEMS The following is added to Section 86-2.09D, "Splicing and Terminations" of the Caltrans Standard Specifications: Splices shall be "Method B".

307-2.7 BONDING AND GROUNDING

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.

307-4 TRAFFIC SIGNAL CONSTRUCTION

307-4.9 VEHICLE DETECTORS INDUCTIVE LOOPS. The installation and testing of inductive loop vehicle detectors shall conform to the provisions in Section 86-5, "Detectors", of the Caltrans Standard Specifications, details shown on applicable Caltrans Standard Plans and these Special Provisions.

Per Caltrans Standard Plan ES-5A and ES-5B, vehicle detectors shall be Type E except the front detectors which shall be circular Type D loop detectors.

Vehicle detector loops shall be installed within three (3) working days from the date of approval of the striping layout by the Engineer. Manholes, monuments, cleanouts, etc. within the vicinity of vehicle detectors shall be raised prior to loop installation. Vehicle detector looks shall be installed prior to the application of final traffic striping and pavement marking.

The sides of the slot for Type E vehicle detector loops shall be vertical and the minimum radius of the slot entering and leaving the circular loop shall be 1-1/2 inches. The slot width shall be ¾ inch minimum.

All sawcut residue from detector loop slot shall be collected concurrent with the sawcutting operation by vacuum or other method approved by the Engineer and disposed of off City property.

Detector loop conductors shall be Type 2 and lead-in cables shall be Type B conforming to the provisions of Section 209-4.2, "Wire", of these Special Provisions.

Vehicle detector loop slots shall be sealed with Asphalt Emulsion Sealant conforming to the provisions of Section 209-5.8.2.4 of these Special Provisions and shall be filled in conformance with Section 86-501A (5) "Installation Details" of the Caltrans Standard Specifications.

Type A detector handholes shall be installed at all loop installations to the details on Caltrans Standard Plan ES-5E.

All such work shall be accomplished by Certified Electricians in accordance with Labor Code Section 3099 from the Division of Industrial Safety and CCR Title 8 Section 290 et. seq.

307-5 INSPECTION AND TESTING

307-5.2 TESTING

Testing shall conform to the provisions in Section 86-2.14, "Testing", of the Caltrans Standard Specifications and these Special Provisions.

307-7.1 SALVAGE Salvaging and reinstalling or stockpiling electrical equipment shall conform to the provisions in Section 86-7, "Salvaging and Reinstalling or Stockpiling Electrical Equipment", of the Caltrans Standard Specifications and these Special Provisions.

Salvaged electrical equipment not to be reused shall be delivered to the City of San Leandro Service Center at 14200 Chapman Road, San Leandro, California.

The Contractor shall provide equipment as necessary to safely load, transport, unload, and stockpile salvaged material. The Contractor shall notify the City's Electrical Maintenance Supervisor at (510) 577-3445, three (3) days to schedule delivery of salvaged material.

307-10 MEASUREMENT AND PAYMENT

The contract unit price paid each for Bid Item (23), Install Traffic Detector Loops, and Bid Item (24), Install Traffic Detector Wells, shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all work required by Section 307, excluding 307-9.

SECTION 309 MONUMENTS

309 REPLACE SURVEY MONUMENTS The following is added to Section 309, "Monuments", of the Standard Specifications:

Contractor shall not disturb existing found monuments outside of proposed project limits as shown on the plans. When Contractor's work displaces existing found monuments, the existing monument shall be completely removed and disposed of and reset with a new survey monument at the Contractor's expense.

Replaced survey monuments shall be installed in accordance with Section 2-9.1, "Permanent Survey Markers' of the Standard Specifications and these Special Provisions, and the details shown on the City Standard Plan "Survey Monument" (Dwg. 134, Case 3101).

Survey Monument frames and covers shall be installed at final grade after paving work is completed, to conform within 1/8 inch of the adjusted pavement elevation in accordance with Section 301-1.6.

309-3.2 EXISTING MONUMENTS WITHIN STREET RECONSTRUCTION AREA
Contractor shall remove survey monuments in their entirety, including concrete posts, for monuments located within street areas to be reconstructed prior to soil stabilization operations. City will set straddler points after final AC paving to mark the locations of the removed monuments. Contractor shall rebuild monuments per City Standard Plan No. 134.

This section also applies to buried monuments within the pavement area to be reconstructed located through Section 309-3.3.

309-3.3 LOCATE BURIED MONUMENT
The City shall mark the approximate location of possible buried monument, and the Contractor shall manually excavate to a maximum depth of 1.5' to determine if a monument exists.

If a monument is not found, then Contractor shall backfill and resurface per City Standard Plan No. 122B and 122C.

309-3.4 FURNISH AND INSTALL MONUMENT FRAME AND COVER
If a buried monument is found outside the pavement area to be reconstructed, then the contractor shall provide temporary backfill and install a monument frame and cover per City Standard Plan No. 134 after paving is completed.

309-4 MEASUREMENT & PAYMENT
The contract price paid for each for Bid Item (7), Remove and Rebuild City Monument per City Standard Plan No. 134, shall include full compensation for furnishing all labor, tools, equipment, and incidentals and for doing all work required by Section 309-3.2.

The contract price paid for each for Bid Item (8), Locate Buried City Monument, shall include full compensation for furnishing all labor, tools, equipment, and incidentals and for doing all work required by Section 309-3.3.

The contract price paid for each for Bid Item (9), Furnish and Install Monument Frame & Cover per City Standard Plan No. 134, shall include full compensation for furnishing all labor, tools, equipment, and incidentals and for doing all work required by Section 309-3.4.

SECTION 310 PAINTING

310-1 GENERAL. Work shall be done per the Standard Specifications.

310-5 PAINTING VARIOUS SURFACES. Painting various surfaces shall conform with section 310-5, "Painting Various Surfaces", of the Standard Specifications and these special provisions.

310-5.6.1 GENERAL. The following is added to section 310-5.6.1, "General", of the Standard Specifications:

Traffic striping shall conform to the provisions of Section 82, "Markers and Delineators", Section 84, "Traffic Stripes and Pavement Markings" and Section 85, "Pavement Markers" of the 2010 California Department of Transportation (CALTRANS) Specifications and Standard Plans; these Special Provisions, and City Standard Plans.

Unless new striping plans are included, Contractor shall, prior to the actual work, inventory and reference all existing striping, pavement markings, delineator, etc. and provide a copy to the Engineer. If existing striping is not recorded prior to the work, the City will deduct the cost of researching and redesigning striping plans from the money due or become due from the Contractor.

Damaged or marred pavement striping shall be replaced per Section 84-1.03B, Protection from Damage, of the Caltrans Standard Specifications.

Pavement marking, including all arrows, symbols, words, speed bumps, crosswalks, and stripes shall be thermoplastic or skid resistant thermoplastic in accordance with City Standard Plan Dwg. Nos. 131 and 616. Skid Resistant Thermoplastic may be substituted with flint Trading, Inc. "PreMark" Preformed Thermoplastic with ViziGRIP products as applicable, (336) 475-6600, www.flintrading.com.

Temporary traffic markings, centerlines, lane lines, and temporary 300 mm (8 inches) white tape stop bar at each stop sign shall be installed immediately after their removal and prior to road being open to traffic.

Striping layout lines shall be installed within twenty-four (24) hours after the street is opened to traffic. Layout lines shall be "Cat Track" type markings. Paint drip lines are not acceptable as layout lines.

Before permanent markings are installed, the layout "Cat Track" marking lines shall be inspected and approved by the Engineer. A smooth transition shall be made on streets where widths of the street changes. The contractor shall allow 3 days for review. No compensation will be made for this delay.

Permanent pavement markers and thermoplastic striping and pavement markings shall be applied within a certain number of working days after final paving is completed, as calculated per the formula below and rounded up to the nearest whole number.

(# of Working Days) = 5 + [(1/5) x (Number of Structures to be Adjusted to Finish Grade)]

310-5.6.7 Layout, Alignment, and Spotting. The following is added to Section 310-5.6.7 of the Greenbook Standard Specifications:

Cat tracking shall consist of stretching a rope on a straight line between control points on tangent alignment and on a true arc through control points on a curved alignment and placing spots of paint along

the rope. The spots shall be not more than 3 inches in width and not more than 5 feet apart. Paint for cat track lines shall be the same color as the traffic stripe for which they are placed.

310-5.6.10 MEASUREMENT AND PAYMENT. The following Section is added to the Standard Specifications:

Bid item (15), "Remove and Replace Thermoplastic Stripes, Pavement Markings, and Markers" shall constitute full compensation for all work listed in section 310-5.6, with the exception of bid item 19, Rubber Speed Cushion Border Striping.

The contract unit price paid each for bid item 19, Rubber Speed Cushion Border Striping, shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all work required for the installation of border striping around the proposed rubber speed cushions in accordance with the project plans and City Standard Plan No. 131B.

SECTION 312 PAVEMENT MARKER PLACEMENT AND REMOVAL

312-1 PLACEMENT. The following is added to Section 312-1 "Placement" of the Standard Specifications:

Pavement markers shall be removed and installed in accordance with the provisions of: Section 82, "Markers and Delineators", Section 84, "Traffic Stripes and Pavement Markings", and Section 85, "Pavement Markers" of the 2010 edition of the California Department of Transportation (Caltrans) Specifications, and Standard Plans; and these Special Provisions, and City Standard Plans.

All markers shall be secured with bituminous adhesives. Epoxy adhesives shall not be used.

Rubber Speed Cushions

Speed bumps in the form of rubber speed cushions shall be installed at the approximate locations shown on the project plans, in accordance with City Standard Plan No. 131A and 131B, and also in accordance with the manufacturer's specifications. Exact locations of the speed cushions and speed bump signs shall be determined by the Engineer and will be marked in the field by the City prior to construction.

Contractor shall install "Bump" pavement legends and speed bump signage prior to installing the rubber speed cushion.

MEASUREMENT AND PAYMENT The following is added to section 312-4 Measurement and Payment of the Standard Specifications:

Bid item (15), "Remove and Replace Thermoplastic Stripes, Pavement Markings, and Markers" shall constitute full compensation for all work listed in Section 312 with the exception of bid items 16 through 18.

The contract unit price paid each for bid items 16 through 18 shall include full compensation for furnishing all labor, materials, tools, equipment, and incidentals, and for doing all work required for the installation of rubber speed cushions and associated pavement legends in accordance with the project plans, City Standard Plans, and the manufacturer's specifications.

SECTION 315 ROADSIDE SIGNS, CONSTRUCTION AREA SIGNS AND TRAFFIC CONTROL

The following Sections are added to the Standard Specifications:

315-1 ROADSIDE SIGNS

Signs associated with bike lanes and rubber speed cushions shall be installed at locations marked in the field by the Engineer. Installation shall be per City Standard Plan No. 131A and 136.

Install sign post extensions as needed to achieve a minimum of 7' clearance between the sidewalk and the bottommost sign. Move existing signs as needed to achieve said clearance.

315-1.1 MEASUREMENT AND PAYMENT

Bid items (20), (21), and (22) for the installation of W13-1 and W17-1 signs shall constitute full compensation for all work listed in Section 315-1.

315-2 CONSTRUCTION AREA SIGNS.

Except as shown on the plans, locations where construction activities lasting less than five (5) working days, Temporary Mounted Construction Area Signs may be mounted on portable supports or barricades in conformance to the provisions in Section 315-2.1.1.

For locations where construction activities last five (5) or more working days, Stationary Mounted Construction Area Signs in conformance to the provisions in Section 315-2.1.2 shall be used.

Alameda CTC funding signs shall be provided by the City. Contractor shall pick up Alameda CTC signs at the City of San Leandro City Hall located at 835 E. 14th Street in San Leandro. Contractor shall provide posts and installation for Alameda CTC signage. Alameda CTC funding signs are to be returned to the City of San Leandro City Hall upon project completion.

315-2.1 GENERAL.

Contractor shall maintain signs so that they are legible and accurately reflect the limits of work. This requirement will apply continuously and will not be limited to the normal days and/or working hours (24 hour/day; 7 days/week).

Type W20-1 and G20-2 construction area signs shall be installed at the locations shown on the plans. Contractor shall coordinate exact sign locations with the Engineer.

Construction Area Signs W8-7 "Loose Gravel", W21-2 "Fresh Oil", W8-8 "Rough Road" or "Uneven Pavement" signs shall be installed and maintained at all conforms, intersections and approaches to streets to be sealed, overlaid or reconstructed. Additional signs shall be installed along both sides of streets every 91 m (300 feet) O.C. W8-8 "Rough Road" or "Uneven Pavement" signs shall be installed at all streets to be overlaid or reconstructed. W21-2 "Fresh Oil" shall be required for streets to be slurry sealed. W8-7 "Loose Gravel" signs shall be required for streets to be ship sealed. The requirement will apply continuously and will not be limited to normal working days and/or working hours (24 hours/day; 7 days/week).

Construction Area Sign Type P "Steel Plates Ahead" signs shall be installed and maintained at all steel plated excavations. This requirement will apply continuously and will not be limited to normal working days and/or working hours (24 hours/day; 7 day/week).

Signs shall be covered whenever there is cessation of work for three (3) consecutive working days. Covers for construction area signs shall be of sufficient size and density to completely block out the message so that it is not visible either during the day or at night. Covers shall be fastened securely to prevent movement caused by wind action.

The Contractor shall clean all construction area signs panels at the time of installation and as often thereafter as the Engineer determines to be necessary, but at least once every four (4) months.

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 sign panels, posts and mounting hardware. 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 a 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.

315-2.1.2 STATIONARY MOUNTED CONSTRUCTION AREA SIGNS.

Stationary Mounted Construction Area Signs may be installed on above ground temporary platform sign supports as approved by the Engineer, or signs may be installed on existing lighting standards or other supports as approved by the owner of the support. When stationary Mounted Construction Area Signs are installed on existing lighting standards, holes shall not be made in the standards to support the sign. Contractor shall be liable for any damage caused by the attachment to existing facilities. Contractor shall supply and install temporary posts as necessary.

The height to the bottom of the sign panel above the edge of traveled way shall be at least 1.5 m (5 feet), except when the sign is located in the path of pedestrians or bicycles the height to the bottom of the sign panel shall be at least 2.1 m (7 feet). Temporary sign supports or posts shall provide a minimum of 4-foot lateral width for pedestrian access.

Contractor shall install all funding signs, including the 'Alameda CTC' sign to be provided by the City and as shown on the plans.

All Stationary Mounted Construction Area Signs and supplemental signs shall be removed immediately upon substantial completion of the work. If the Contractor fails to remove said signs in a timely manner, the City shall proceed with removal and deduct the cost thereof from money due or to become due from the Contractor.

315-2.2 MEASUREMENT AND PAYMENT.
Bid item (2) shall constitute full compensation for all work required by section 315-2.

315-3 TRAFFIC CONTROL SYSTEM, LANE CLOSURES AND DETOURS

315-3.1 GENERAL.

The Contractor shall submit a Traffic Control Plan(s) for acceptance by the City's Traffic Engineer prior to performing any work affecting public traffic. Flashing arrow boards shall be use at all intersections of the streets listed in City Standard Plan 608A and 608B and 608C.

Traffic shall be directed through the construction zone by certified flagpersons as required by 2012 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.

Alternative traffic control plans for striping operations shall conform to the provisions in section 7-10 "Public Convenience and Safety" of the Standard Specifications and these Special Provisions. Attention is directed to Section 214, "Pavement Markers" of these Special Provisions in regard to placing pavement markers with bitumen adhesive.

Traffic Signal System shutdown shall be limited to periods between the hours of 8:00 a.m. and 2:30 p.m. no shut down shall occur on Friday. The Contractor shall notify the City's Public Works Service Center, Electrical Section, (510) 577-3445, forty-eight (48) hours in advance of any traffic signal system shutdowns.

The Contractor shall place W3-4 "Be Prepared to Stop" and R1-1 "Stop" signs to direct vehicles and pedestrian traffic through the intersection during traffic signal shutdown. Temporary "Stop Ahead" and "Stop" signs shall be either covered or removed when the system is turned on.

"Be Prepared to Stop" and "Stop" signs shall be furnished by the Contractor. The minimum size of "Be Prepared to Stop" and "Stop" signs shall be 900 mm (36 feet).

For single lane approaches, one “Be Prepared to Stop” and one “Stop” sign shall be placed for each single lane approach. For multiple lane approaches, two “Be Prepared to Stop” and two “Stop” signs shall be placed for each multiple lane approach.

315-3.2 MEASUREMENT AND PAYMENT.

Bid item (2) shall constitute full compensation for all work required by section 315-3.

CITY OF SAN LEANDRO

ANNUAL OVERLAY / REHABILITATION 2013-14

CITY PROJECT NO. 2014.0050
BID NO. 13-14.015

VICINITY MAP

SHEET NO	SHEET NAME	DWG NO	CASE NO
1	TITLE SHEET	3824	202
2	GENERAL NOTES, LEGEND & ABBREVIATIONS	3825	202
3–5	BANCROFT AVE SITE PLAN	3826–3828	202
6–7	BANCROFT AVE STRIPING PLAN	3829–3830	202
8–10	BIGGE ST PLAN & PROFILE	3831–3833	202
11	BIGGE ST CROSS SECTIONS	3834	202
12	2010/2011 NEIGHBORHOOD TRAFFIC CALMING PROGRAM SPEED CUSHION INSTALLATION – JUANA AVE	3835	202
13–15	CITY STANDARD PLANS	3836–3838	202

REGISTERED PROFESSIONAL ENGINEER
KENNETH C. JOSCOW
No. 34870
Exp. 9-30-14
CIVIL
STATE OF CALIFORNIA

GENERAL NOTES:

1. THESE DRAWINGS REPRESENT THE GENERAL DESIGN INTENT TO BE IMPLEMENTED ON THE SITE. CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE ENGINEER FOR ANY ADDITIONAL CLARIFICATION OR DETAIL NECESSARY TO ACCOMMODATE SITE CONDITIONS OR DETAIL.
2. CONTRACTOR SHALL COORDINATE AND OTHERWISE INTEGRATE HIS WORK WITH THAT OF OTHERS IN AN EFFICIENT, CRAFTSMANLIKE AND TIMELY MANNER SO AS TO PROVIDE THE CITY WITH A WELL CONSTRUCTED, EASILY MAINTAINABLE PROJECT.
3. AT ALL TIMES, CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD THE CITY AND ITS EMPLOYEES HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT.
4. THE CONTRACTOR IS HEREBY NOTIFIED THAT, PRIOR TO COMMENCING CONSTRUCTION, HE IS RESPONSIBLE FOR CONTACTING THE UTILITY COMPANIES INVOLVED AND REQUESTING A VISUAL VERIFICATION OF LOCATIONS OF THEIR UNDERGROUND FACILITIES. THE UTILITY COMPANIES ARE MEMBERS OF THE UNDERGROUND SERVICE ALERT (U.S.A.) ON CALL PROGRAM. THE CONTRACTOR SHALL NOTIFY MEMBERS OF U.S.A. AT LEAST TWO (2) WORKING DAYS IN ADVANCE OF PERFORMING EXCAVATION WORK BY CALLING 811 or (800) 227–2600.
5. THE CONTRACTOR SHALL INDEPENDENTLY VERIFY DEPTHS OF UTILITIES ON SITE.

ALAMEDA County Transportation Commission

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CITY OF SAN LEANDRO INCORPORATED 1872

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NO.	DATE	REVISION

CITY OF SAN LEANDRO

DESIGNED BY	KKL KC	DATE 3/25/2014
DRAWN BY	KKL	DATE 3/25/2014
PROJECT MGR.	KKL	DATE 3/25/2014
TRANS ADMIN.	KLC	DATE 3/26/2014
SENIOR ENGR.		DATE 3/27/14
APPROVED BY:		DATE 3/27/14
CITY ENGINEER, R.C.E. No. 34870		

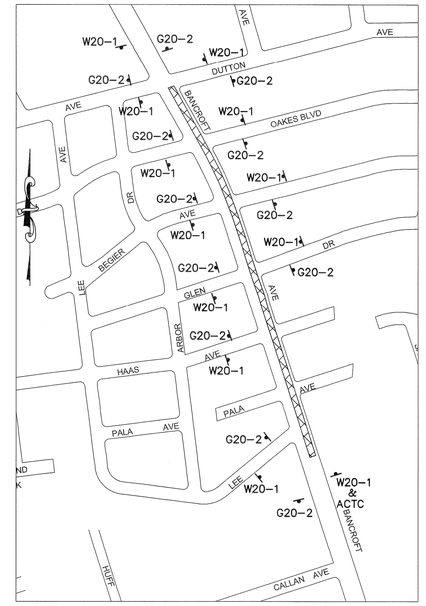
ANNUAL OVERLAY / REHABILITATION 2013-14
TITLE SHEET

AT FULL SIZE THIS LINE MEASURES 1"

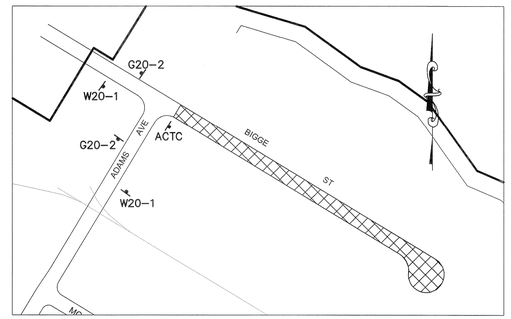
SHEET 1 OF 15
JOB NO. 2014.0050
SCALE
DWG 3824 CASE 202

G:_PD\Annual Overlay Rehab 13-14\3. Design Study\3.1.1 Drawings\Title Sheet & Notes.dwg, 3/25/2014 3:22:08 PM

CONSTRUCTION AREA SIGN PLACEMENT



BANCROFT AVE



BIGGE ST

LEGEND

GV	GAS VALVE
WV	WATER VALVE
	MONUMENT
	CONTROL POINT
	FIRE HYDRANT
	CATCH BASIN
D	STORM DRAIN MANHOLE
S	SANITARY SEWER MANHOLE
XX.XX	EXISTING GRADE
XX.XX	PROPOSED GRADE
	CENTERLINE
	CONCRETE CURB
	CONCRETE CURB & GUTTER
	DRIVEWAY
	EDGE OF PAVEMENT
E	ELECTRIC LINE
X	FENCE LINE
FO	FIBER OPTICS LINE
G	GAS LINE-VALVE & METER
	GUARD RAIL
	LOT LINE
	MONUMENT/MONUMENT LINE
OH	OVERHEAD POWER LINE
	PROPERTY LINE
SS	SANITARY SEWER-MANHOLE & CLEANOUT
	SIDEWALK
+ 300.00	SPOT ELEVATION
SD	STORM DRAIN-MANHOLE & CATCH BASIN
T	TELEPHONE LINE
W	WATER LINE & VALVE
	ELECTROLIER
	FIRE DEPARTMENT CONNECTION
	FIRE HYDRANT
	POWER POLE/JOINT POLE
	TRAFFIC SIGN
	TREE
	UTILITY BOX

ABBREVIATIONS

AC	ASPHALT CONCRETE
BC	BEGIN CURVE
B.O.C.	BOTTOM OF CONE
BOT	BOTTOM
CB	CATCH BASIN
CI	CURB INLET
C&G	CURB & GUTTER
CR	CURB RETURN
EC	END OF CURVE
EP	EDGE OF PAVEMENT
EB	ELECTRIC BOX
FC	FACE OF CURB
F&C	FRAME & COVER
FL	FLOW LINE
FD MON	FOUND MONUMENT
GB	GRADE BREAK
GV	GAS VALVE
LF	LINEAR FEET
LIP	LIP OF GUTTER
MH	MANHOLE
MON	MONUMENT
<PT.	ANGLE POINT
P	PAVEMENT
PRM	PAVEMENT REINFORCING MESH
RET	RETURN
RR	RAIL ROAD
SS	SANITARY SEWER
SSCO	SANITARY SEWER CLEAN OUT
T.O.C.	TOP OF CONE
TOP/GR	TOP GRADE
T.O.V.	TOP OF VALVE
WV	WATER VALVE

LEGEND

	STREET REHABILITATION AREA
W20-1	'ROAD WORK AHEAD' SIGN
G20-2	'END ROAD WORK' SIGN
ACTC	ALAMEDA CTC FUNDING SIGN

NOTE: SIGN LOCATIONS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL DETERMINE EXACT SIGN LOCATIONS IN THE FIELD.

REGISTERED PROFESSIONAL ENGINEER KENNETH C. JOSEPH No. 34870 Exp. 9-30-15 CIVIL STATE OF CALIFORNIA

NOTES:

1. CONTRACTOR SHALL FOLLOW THE 2012 CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND CITY OF SAN LEANDRO STANDARD TRAFFIC CONTROL PLANS FOR TRAFFIC CONTROL OPERATION GUIDELINES.
2. ACCESS TO ALL PROPERTIES SHALL BE MAINTAINED AT ALL TIMES.
3. CONTRACTOR, SHALL FOLLOW THE CITY OF SAN LEANDRO STANDARD PLANS DRAWINGS 134, 220, 222, 302 FOR LOWERING AND RAISING TO GRADE UTILITY FRAMES AND COVERS AND SURVEY MONUMENTS.
4. ALL CITY OWNED MANHOLE FRAMES AND COVERS WITHIN LIMITS OF WORK THAT DO NOT MATCH DRAWING 220, CASE 3101 SHALL BE REPLACED WITH NEW FRAMES AND COVERS. ALL OTHER FRAMES AND COVERS SHALL BE EITHER PUNCHED OR MARKED AS MATCH SET PRIOR TO REMOVAL, CLEANED AND REUSE. CONTRACTOR SHALL INSTALL FALSE BOTTOM ON ALL MANHOLES PRIOR TO ROADWAY EXCAVATION.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR REFERENCING ALL MANHOLES, VALVES, AND MONUMENTS FOR SUBSEQUENT ADJUSTMENT TO FINAL GRADE.
6. CONTRACTOR SHALL BE RESPONSIBLE FOR REFERENCING PRIOR TO PAVING AND REPLACING IN KIND AFTER PAVING ALL EXISTING STRIPING, PAVEMENT MARKINGS AND MARKERS UNLESS SHOWN OTHERWISE.
7. ALL PAVEMENT CONFORMS SHALL BE NEAT STRAIGHT EDGE WITH VERTICAL FACE.

ALAMEDA County Transportation Commission

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CITY OF SAN LEANDRO INCORPORATED 1872

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NO.	DATE	REVISION

CITY OF SAN LEANDRO

DESIGNED BY	KKL KKC	DATE 3/25/2014
DRAWN BY	KKL	DATE 3/25/2014
PROJECT MGR.	KKL	DATE 3/25/2014
TRANS ADMIN.	KLC	DATE 3/26/2014
SENIOR ENGR.		DATE 3/27/14
APPROVED BY:		DATE 3/27/14

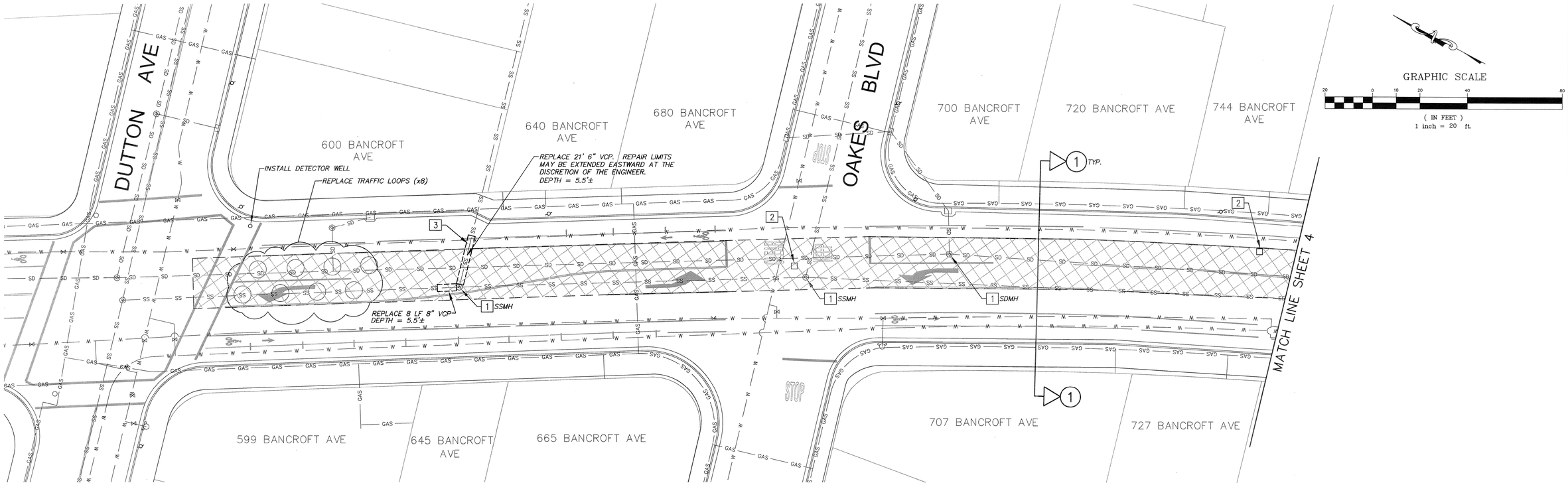
CITY ENGINEER, R.C.E. No. 34870

ANNUAL OVERLAY / REHABILITATION 2013-14

GENERAL NOTES, LEGEND, & ABBREVIATIONS

AT FULL SIZE THIS LINE MEASURES 1"

SHEET 2 OF 15
JOB NO. 2014.0050
SCALE 1"=300'
DWG 3825 CASE 202



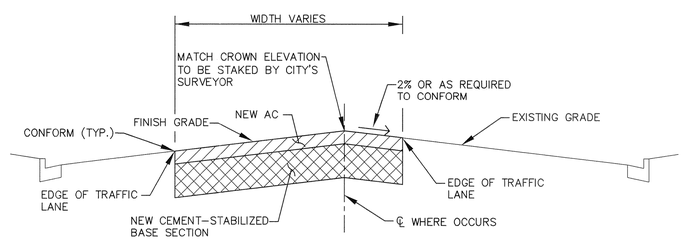
BANCROFT AVE QUANTITIES

AC MILLING AND OFFHAUL (CY)	AC PAVING (TONS)	SOIL STABILIZATION FDR METHOD (SF)	SOIL STABILIZATION AT SHALLOW UTILITIES (SF)*	CEMENT TO STABILIZE SOIL (TN)	AC DIG OUT REPAIR (TN)	ADJUST SSMH (EA)	ADJUST SDMH (EA)	POTHOLING (EA)**
305	652	24,743	2,474	103	34	3	5	20

* ESTIMATED QUANTITY
**NUMBER OF POTHOLES MAY BE ADJUSTED IN THE FIELD BY ENGINEER

LEGEND

HATCH DENOTES ROAD AREA TO BE RECONSTRUCTED. MILL AND OFFHAUL EXISTING PAVEMENT SECTION TO DEPTH REQUIRED TO INSTALL FUTURE PAVEMENT SECTION, THEN PULVERIZE TO DEPTH OF 16.0", INSTALL 16.0" FULL-DEPTH REHAB SECTION AND 4.0" HMA SECTION. MIX DESIGN PERCENTAGE OF CEMENT IS 5% BY WEIGHT.



1 TYPICAL SECTION
NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER KENNETH C. JOSEPH No. 34870 Exp. 9-30-15 CIVIL STATE OF CALIFORNIA

CONSTRUCTION NOTES

1. LOWER AND ADJUST TO FINISH GRADE
2. LOCATE SURVEY MONUMENT. CITY'S SURVEYOR WILL MARK LOCATION ON PAVEMENT. EXCAVATE TO A DEPTH OF 1.5' FEET OR UNTIL MONUMENT IS FOUND. SEE SECTION 309 OF SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.
3. BACKFILL AND RESURFACE TRENCH OUTSIDE OF PAVEMENT RECONSTRUCTION AREA PER CITY STANDARD PLAN NO. 120A, 120B, 122A, 122B, AND 122C.

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NO.	DATE	REVISION

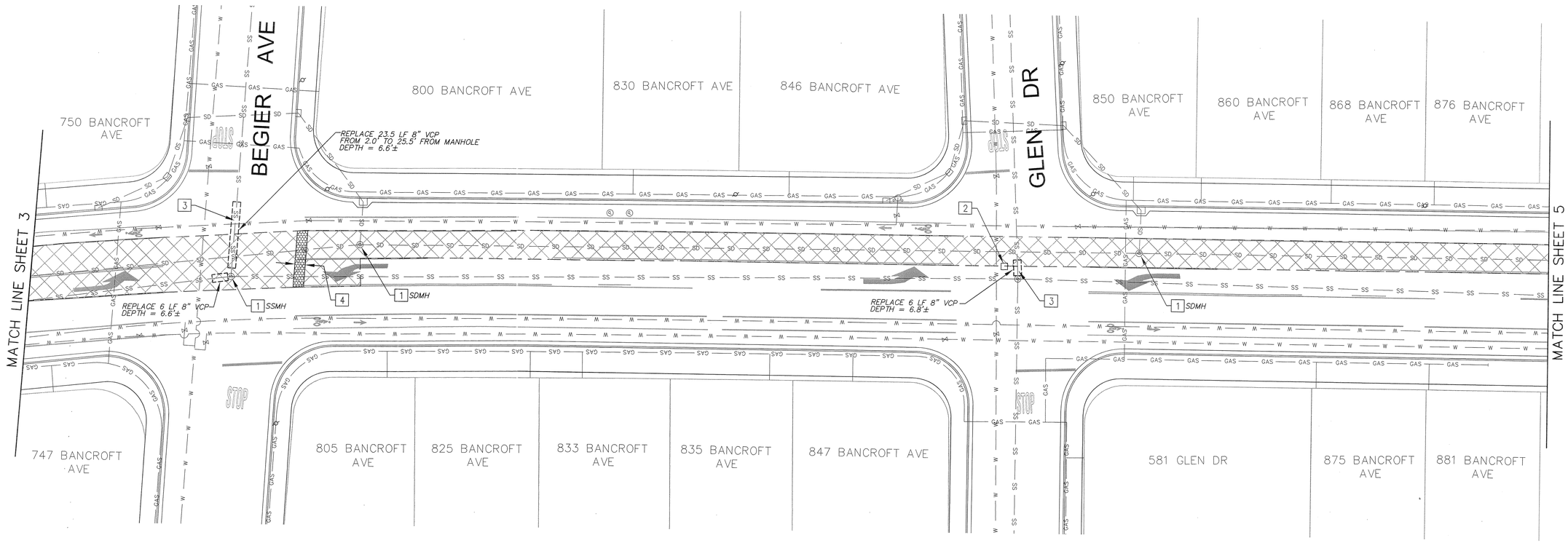
CITY OF SAN LEANDRO

DESIGNED BY KKL DATE 3/25/2014
DRAWN BY KKL DATE 3/25/2014
PROJECT MGR. KKL DATE 3/25/2014
TRANS ADMIN. DATE 3/31/2014
SENIOR ENGR. DATE 3/27/14
APPROVED BY: DATE 3/27/14
CITY ENGINEER, R.C.E. No. 34870

ANNUAL OVERLAY / REHABILITATION 2013-14
BANCROFT AVE SITE PLAN

AT FULL SIZE THIS LINE MEASURES 1"

SHEET 3 OF 15
JOB NO. 2014.0050
SCALE 1"=20'
DWG 3826 CASE 202



LEGEND

HATCH DENOTES ROAD AREA TO BE RECONSTRUCTED. MILL AND OFFHAUL EXISTING PAVEMENT SECTION TO DEPTH REQUIRED TO INSTALL FUTURE PAVEMENT SECTION, THEN PULVERIZE TO DEPTH OF 16.0", INSTALL 16.0" FULL-DEPTH REHAB SECTION AND 4.0" HMA SECTION. MIX DESIGN PERCENTAGE OF CEMENT IS 5% BY WEIGHT.

CONSTRUCTION NOTES

1. LOWER AND ADJUST TO FINISH GRADE
2. LOCATE SURVEY MONUMENT. CITY'S SURVEYOR WILL MARK LOCATION ON PAVEMENT. EXCAVATE TO A DEPTH OF 1.5' FEET OR UNTIL MONUMENT IS FOUND. SEE SECTION 309 OF SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.
3. BACKFILL AND RESURFACE TRENCH OUTSIDE OF PAVEMENT RECONSTRUCTION AREA PER CITY STANDARD PLAN NO. 120A, 120B, 122A, 122B, AND 122C.
4. CONSTRUCT 4'-WIDE TEMPORARY PATHWAY WITH CUTBACK AC TO CREATE AN ACCESSIBLE PEDESTRIAN PATH OF TRAVEL DURING ROADWORK. REBUILD TEMPORARY PATHWAY AS NEEDED TO MAINTAIN ACCESSIBLE PATH OF TRAVEL.

REGISTERED PROFESSIONAL ENGINEER KENNETH C. JOSEPH No. 34870 Exp. 7-30-14 CIVIL STATE OF CALIFORNIA

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CITY OF SAN LEANDRO

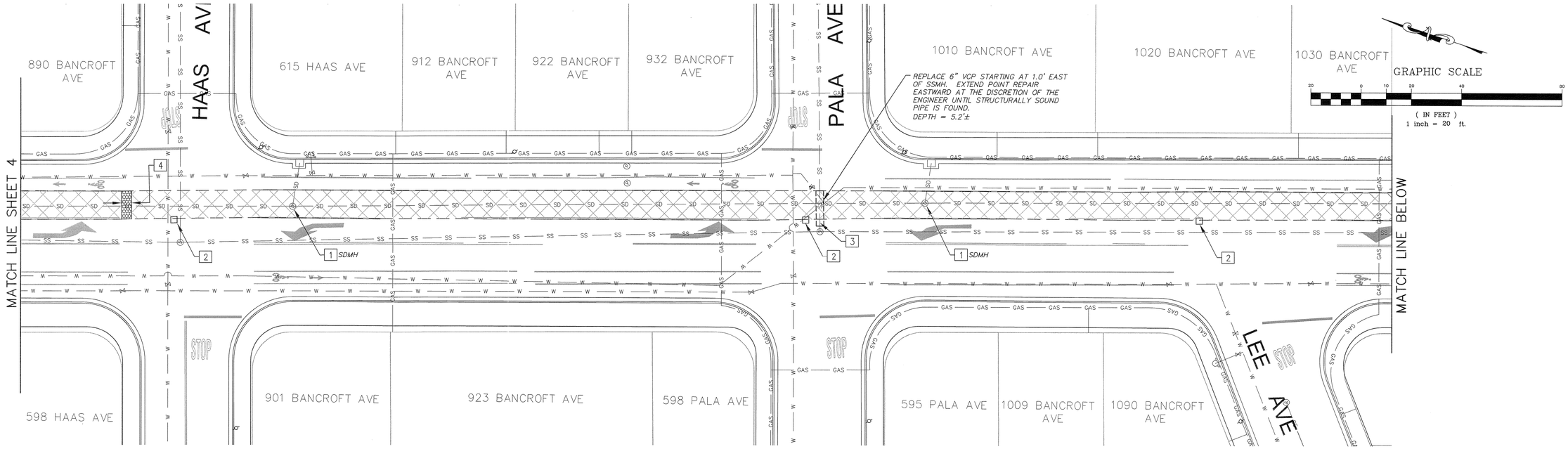
DESIGNED BY	KKL KCK	DATE 3/25/2014
DRAWN BY	KKL	DATE 3/25/2014
PROJECT MGR.	KKL	DATE 3/25/2014
TRANS ADMIN.	KLC	DATE 3/26/2014
SENIOR ENGR.		DATE 3/27/14
APPROVED BY:		DATE 3/27/14

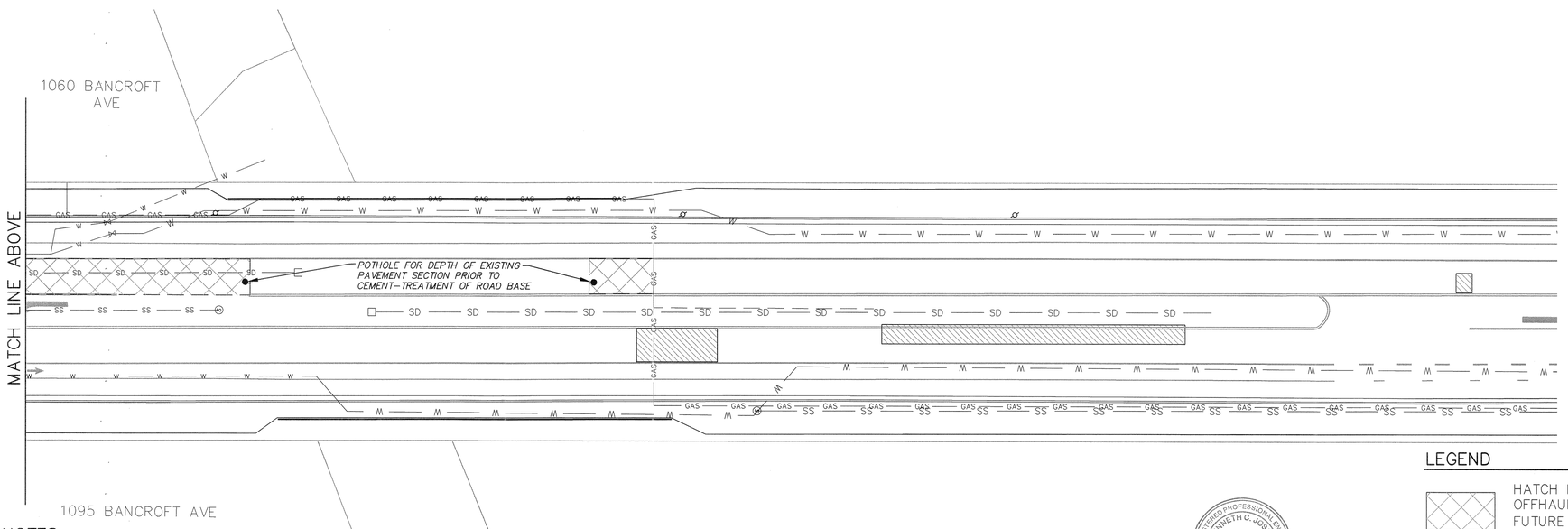
CITY ENGINEER, R.C.E. No. 34870

ANNUAL OVERLAY / REHABILITATION 2013-14
BANCROFT AVE SITE PLAN

AT FULL SIZE THIS LINE MEASURES 1"

SHEET 4 OF 15
JOB NO. 2014.0050
SCALE 1"=20'
DWG 3827 CASE 202





CONSTRUCTION NOTES

1. LOWER AND ADJUST TO FINISH GRADE
2. LOCATE SURVEY MONUMENT. CITY'S SURVEYOR WILL MARK LOCATION ON PAVEMENT. EXCAVATE TO A DEPTH OF 1.5' FEET OR UNTIL MONUMENT IS FOUND. SEE SECTION 309 OF SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION.
3. BACKFILL AND RESURFACE TRENCH OUTSIDE OF PAVEMENT RECONSTRUCTION AREA PER CITY STANDARD PLAN NO. 120A, 120B, 122A, 122B, AND 122C.
4. CONSTRUCT 4'–WIDE TEMPORARY PATHWAY WITH CUTBACK AC TO CREATE AN ACCESSIBLE PEDESTRIAN PATH OF TRAVEL DURING ROADWORK. REBUILD TEMPORARY PATHWAY AS NEEDED TO MAINTAIN ACCESSIBLE PATH OF TRAVEL.

LEGEND

HATCH DENOTES ROAD AREA TO BE RECONSTRUCTED. MILL AND OFFHAUL EXISTING PAVEMENT SECTION TO DEPTH REQUIRED TO INSTALL FUTURE PAVEMENT SECTION, THEN PULVERIZE TO DEPTH OF 16.0", INSTALL 16.0" FULL–DEPTH REHAB SECTION AND 4.0" HMA SECTION. MIX DESIGN PERCENTAGE OF CEMENT IS 5% BY WEIGHT.

HATCH DENOTES ROAD AREA FOR DIG OUT REPAIRS PER SECTION 302–3

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NO.	DATE	REVISION

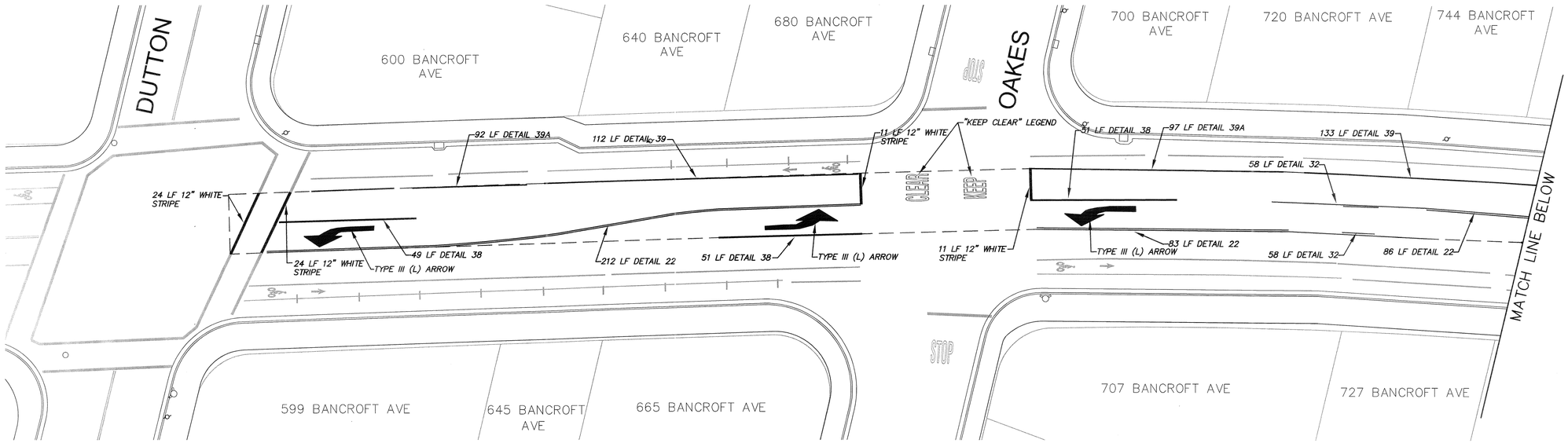
CITY OF SAN LEANDRO

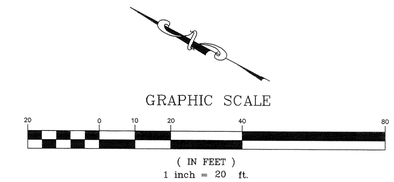
DESIGNED BY KKL DATE 3/25/2014
DRAWN BY KKL DATE 3/25/2014
PROJECT MGR. KKL DATE 3/25/2014
TRANS ADMIN. RLC DATE 3/26/2014
SENIOR ENGR. DATE 3/27/14
APPROVED BY: DATE 3/27/14
CITY ENGINEER, R.C.E. No. 34870

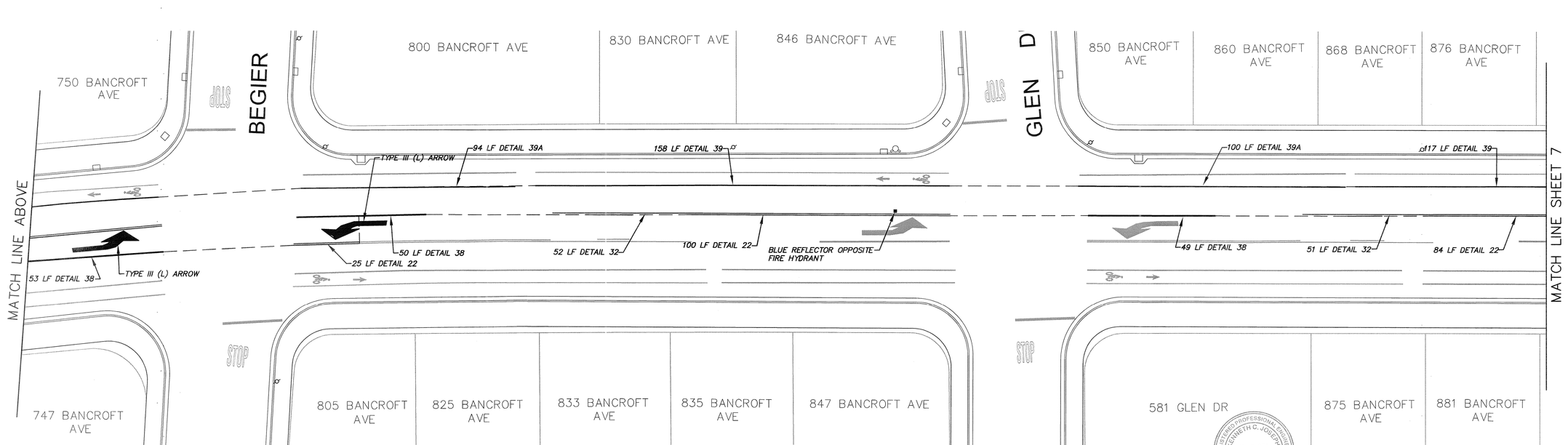
ANNUAL OVERLAY / REHABILITATION 2013-14
BANCROFT AVE SITE PLAN

AT FULL SIZE THIS LINE MEASURES 1"

SHEET 5 OF 15
JOB NO. 2014.0050
SCALE 1"=20'
DWG 3828 CASE 202







REGISTERED PROFESSIONAL ENGINEER KENNETH C. JOSEPH No. 34870 Exp. 9-30-15 CIVIL STATE OF CALIFORNIA

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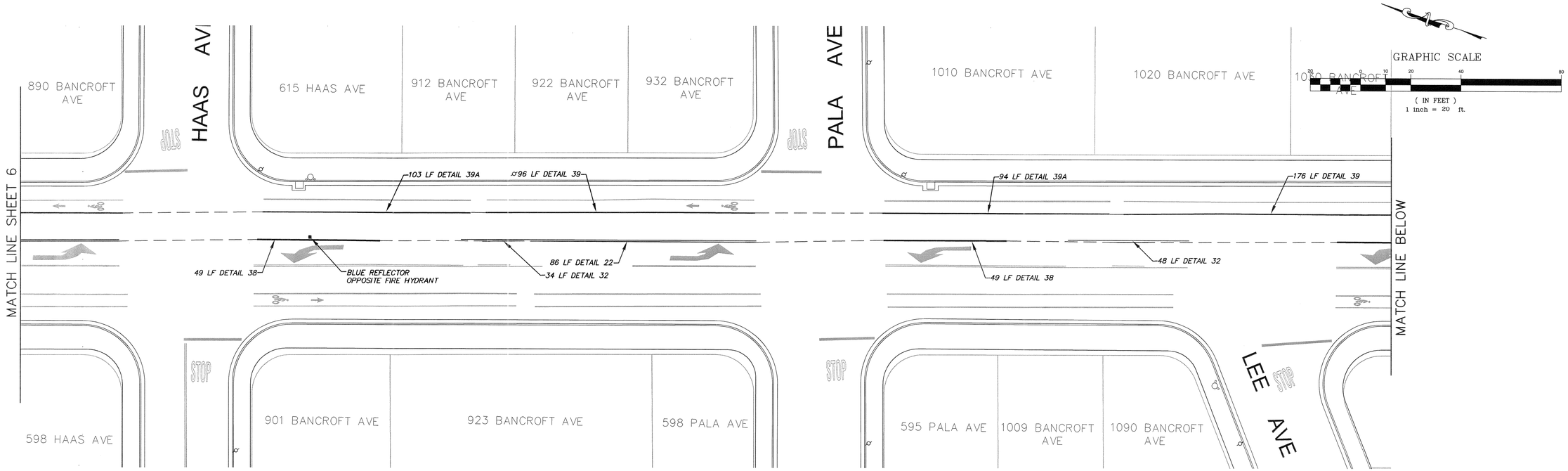
CITY OF SAN LEANDRO

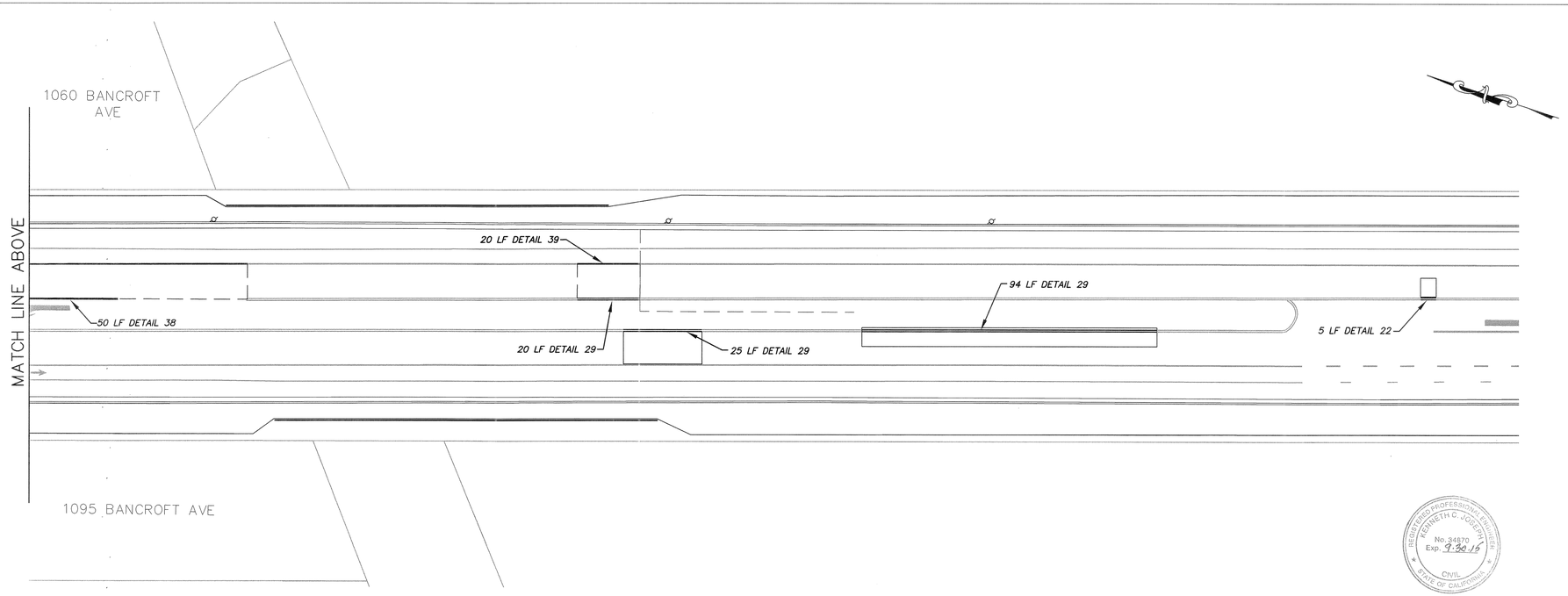
DESIGNED BY KKL DATE 3/25/2014
DRAWN BY KKL DATE 3/25/2014
PROJECT MGR. KKL KKL DATE 3/25/2014
TRANS ADMIN. KLC DATE 3/26/2014
SENIOR ENGR. J. DATE 3/27/14
APPROVED BY:- DATE 3/27/14
CITY ENGINEER, R.C.E. No. 34870

ANNUAL OVERLAY / REHABILITATION 2013-14
BANCROFT AVE STRIPING PLAN

AT FULL SIZE THIS LINE MEASURES 1"
SHEET 6 OF 15
JOB NO. 2014.0050
SCALE 1"=20'
DWG 3829 CASE 202

G:_PD\Annual Overlay Rehab 13-14\3. Design Study\3.1.1 Drawings\Bancroft Design\Bancroft Ave Repair.dwg, 3/25/2014 3:29:03 PM





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CITY OF SAN LEANDRO

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TRANS ADMIN. RLC DATE 3/26/2014
SENIOR ENGR. N.J. DATE 3/27/14
APPROVED BY: DATE 3/27/14
CITY ENGINEER, R.C.E. No. 34870

ANNUAL OVERLAY / REHABILITATION 2013-14
BANCROFT AVE STRIPING PLAN

AT FULL SIZE THIS LINE MEASURES 1"

SHEET 7 OF 15
JOB NO. 2014.0050
SCALE 1"=20'
DWG 3830 CASE 202

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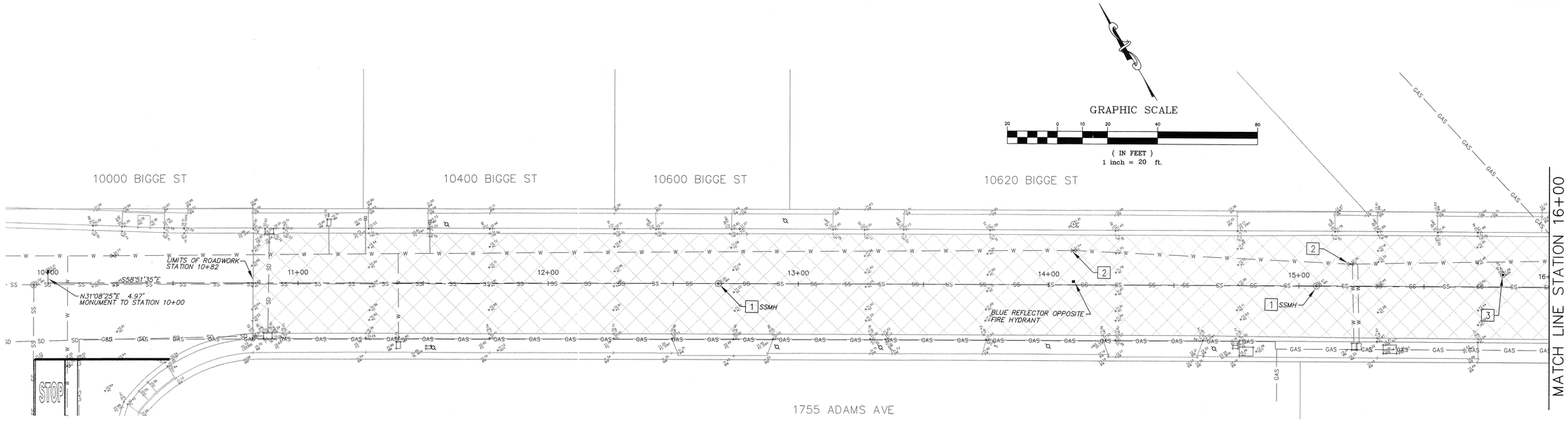


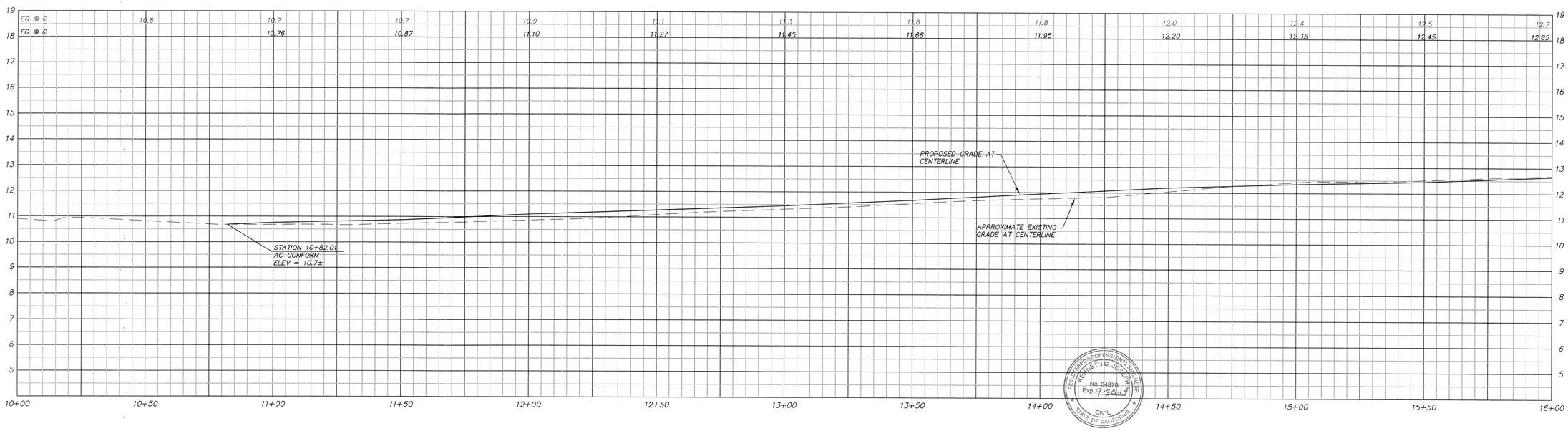
AC MILLING, CEMENT–STABILIZATION, AND AC PAVING SHALL BE DONE AS NIGHT WORK. SEE SECTION 7–10.3.2 OF SPECIAL PROVISIONS FOR LANE CLOSURE CHARTS.

HATCH DENOTES ROAD AREA TO BE RECONSTRUCTED. MILL AND OFFHAUL EXISTING PAVEMENT SECTION TO DEPTH REQUIRED TO INSTALL FUTURE PAVEMENT SECTION PER DESIGN GRADES, THEN PULVERIZE TO DEPTH OF 17.5", INSTALL 17.5" FULL–DEPTH REHAB SECTION AND 4.0" HMA SECTION. MIX DESIGN PERCENTAGE OF CEMENT IS 5% BY WEIGHT.

BIGGE ST QUANTITIES

AC MILLING AND OFFHAUL (CY)	AC PAVING (TONS)	SOIL STABILIZATION FDR METHOD (SF)	SOIL STABILIZATION AT SHALLOW UTILITIES (SF)	CEMENT TO STABILIZE SOIL (TN)	ADJUST SSMH (EA)	ADJUST SDMH (EA)	REMOVE & REBUILD CITY MONUMENT (EA)	POTHOLING (EA)**
707	1,666	63,247	6,325	287	4	0	2	30

** NUMBER OF POTHOLES MAY BE ADJUSTED IN THE FIELD BY ENGINEER



REGISTERED PROFESSIONAL ENGINEER KENNETH C. JOSEPH No. 34870 Exp. 9-30-14 CIVIL STATE OF CALIFORNIA

CONSTRUCTION NOTES

1. LOWER AND ADJUST TO FINISH GRADE
2. WATER VALVE TO BE LOWERED AND ADJUSTED TO FINISH GRADE. WORK TO BE DONE BY EBMUD IF ADDITIVE BID ITEM IS NOT INCORPORATED INTO CONTRACT
3. REMOVE AND REBUILD CITY MONUMENT

ALAMEDA County Transportation Commission

Measure B Improvements
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CITY OF SAN LEANDRO INCORPORATED 1872

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NO.	DATE	REVISION

CITY OF SAN LEANDRO

DESIGNED BY	KKL KCJ	DATE 3/25/2014
DRAWN BY	KKL	DATE 3/25/2014
PROJECT MGR.	KKL	DATE 3/25/2014
TRANS ADMIN.	RLC	DATE 3/26/2014
SENIOR ENGR.		DATE 3/27/14
APPROVED BY:		DATE 3/27/14

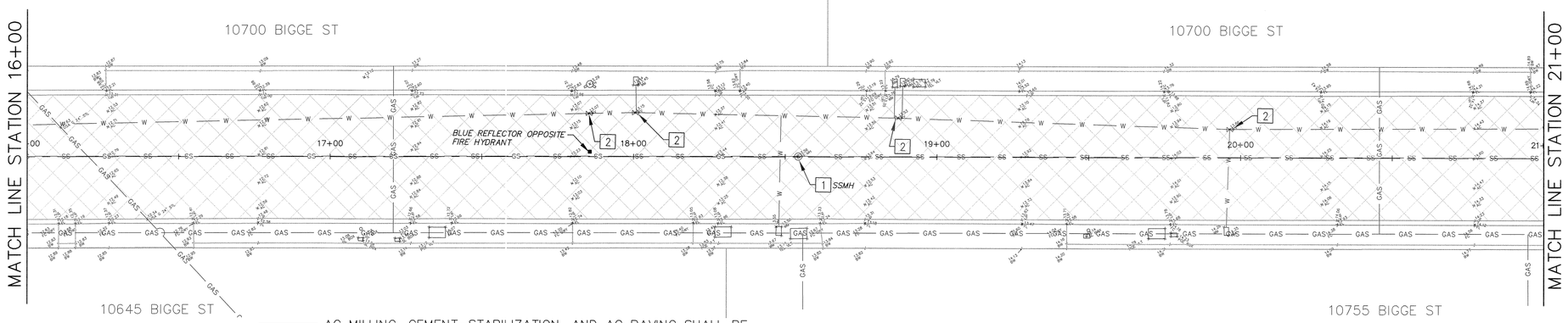
CITY ENGINEER, R.C.E. No. 34870

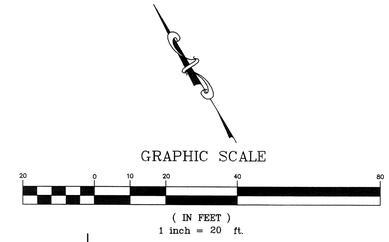
ANNUAL OVERLAY / REHABILITATION 2013-14
BIGGE ST
PLAN & PROFILE

AT FULL SIZE THIS LINE MEASURES 1"

SHEET 8 OF 15
JOB NO. 2014.0050
SCALE 1"=20' H, 1"=2' V
DWG 3831 CASE 202

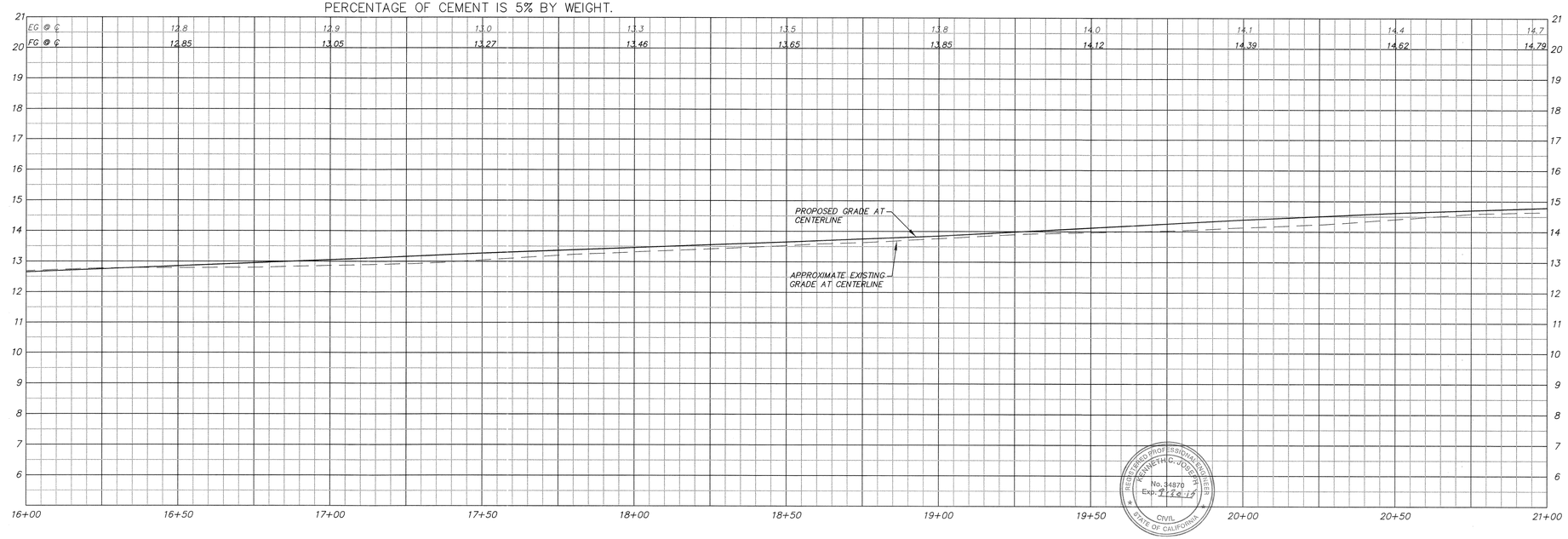
G:_PD\Annual Overlay Rehab 13-14\3. Design Study\3.1.1 Drawings\Bigge Design\Bigge St Road Design.dwg, 3/28/2014 3:14:56 PM





AC MILLING, CEMENT-STABILIZATION, AND AC PAVING SHALL BE DONE AS NIGHT WORK. SEE SECTION 7-10.3.2 OF SPECIAL PROVISIONS FOR LANE CLOSURE CHARTS.

HATCH DENOTES ROAD AREA TO BE RECONSTRUCTED. MILL AND OFFHAUL EXISTING PAVEMENT SECTION TO DEPTH REQUIRED TO INSTALL FUTURE PAVEMENT SECTION PER DESIGN GRADES, THEN PULVERIZE TO DEPTH OF 17.5", INSTALL 17.5" FULL-DEPTH REHAB SECTION AND 4.0" HMA SECTION. MIX DESIGN PERCENTAGE OF CEMENT IS 5% BY WEIGHT.



CONSTRUCTION NOTES

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TRANS ADMIN.	KLC	DATE 3/26/2014
SENIOR ENGR.	H.S.	DATE 3/27/14
APPROVED BY:		DATE 3/27/14
CITY ENGINEER, R.C.E. No. 34870		

ANNUAL OVERLAY / REHABILITATION 2013-14
BIGGE ST
PLAN & PROFILE

AT FULL SIZE THIS LINE MEASURES 1"

SHEET 9 OF 15
JOB NO. 2014.0050
SCALE 1"=20' H, 1"=2' V
DWG 3832 CASE 202

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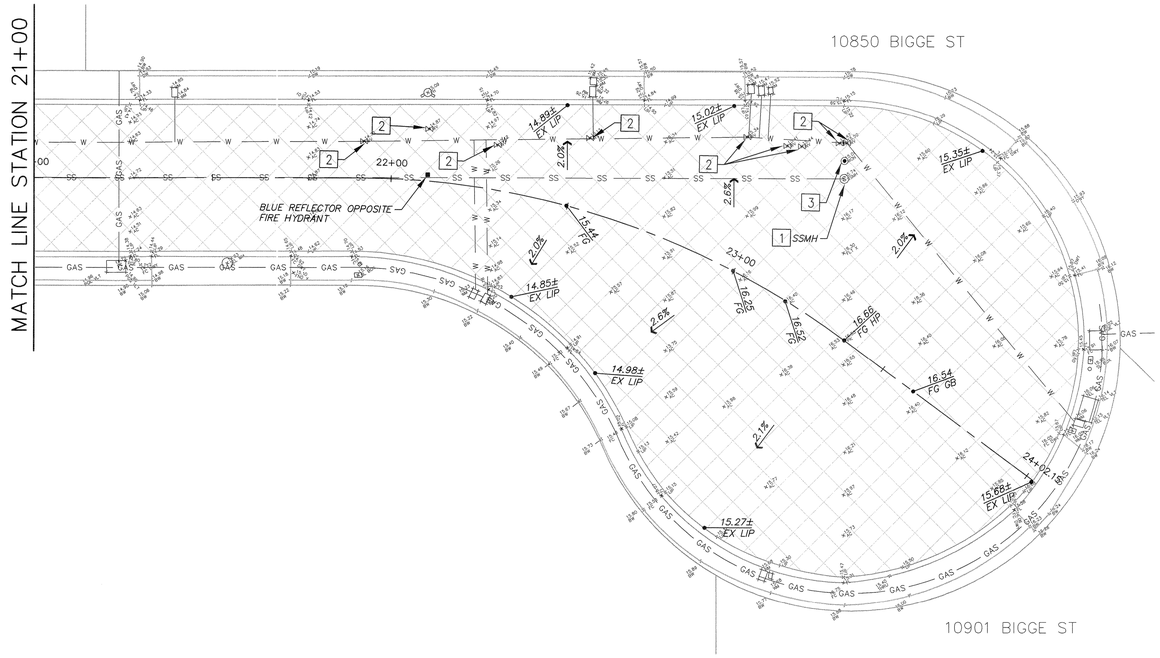

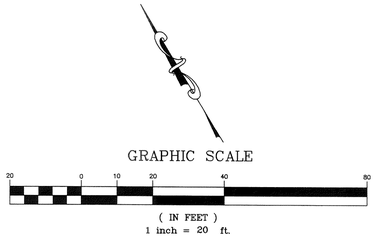

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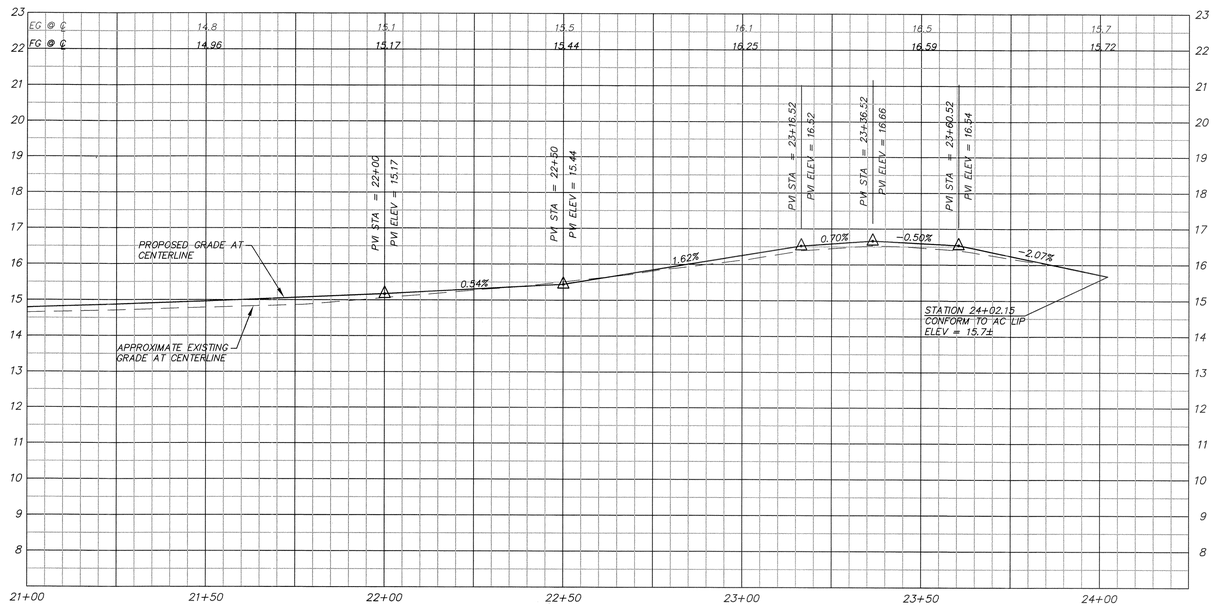

REGISTERED PROFESSIONAL ENGINEER
KENNETH C. JOSEPH
No. 34870
Exp. 9-30-14
CIVIL
STATE OF CALIFORNIA

CONSTRUCTION NOTES

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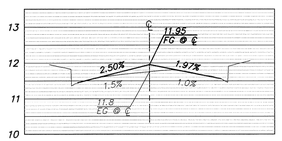
APPROVED BY: DATE 3/27/14
CITY ENGINEER, R.C.E. No. 34870

ANNUAL OVERLAY / REHABILITATION 2013-14
BIGGE ST
PLAN & PROFILE

AT FULL SIZE THIS LINE MEASURES 1"

SHEET 10 OF 15
JOB NO. 2014.0050
SCALE 1"=20' H, 1"=2' V
DWG 3833 CASE 202

G:_PD\Annual Overlay Rehab 13-14\3. Design Study\3.1.1 Drawings\Bigge Design\Bigge St Road Design.dwg, 3/28/2014 3:15:49 PM



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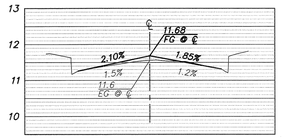

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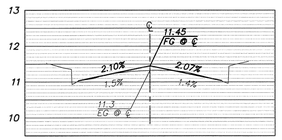

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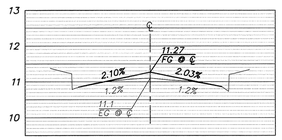

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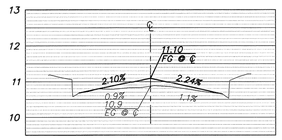

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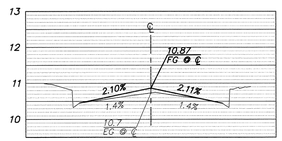

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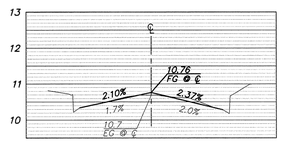

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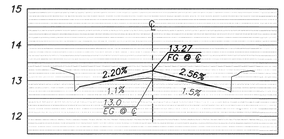

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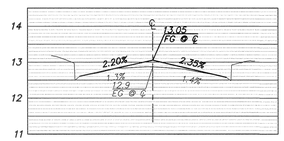

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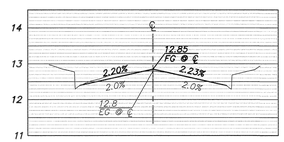

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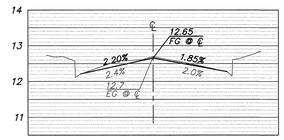

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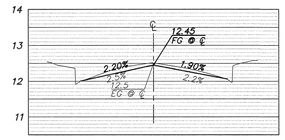

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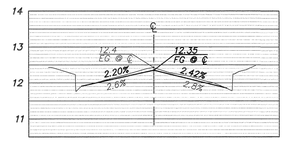

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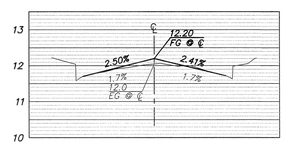

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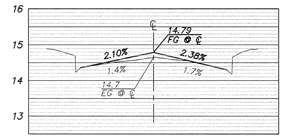

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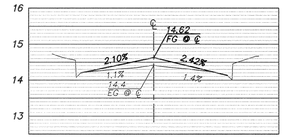

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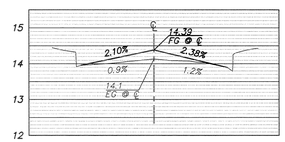

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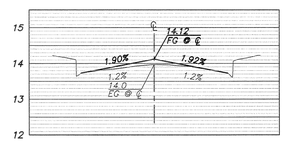

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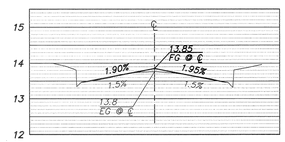

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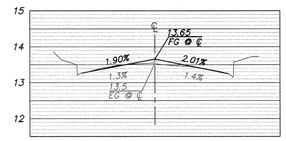

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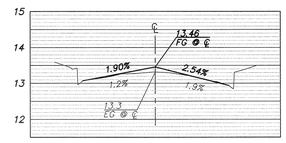

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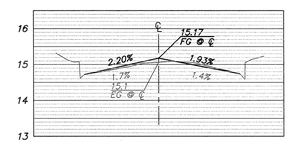

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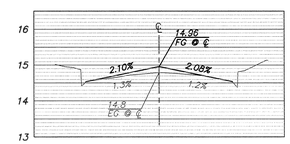

21+50

REGISTERED PROFESSIONAL ENGINEER
KENNETH C. JOSEPH
No. 34870
Exp. 9.30.15
CIVIL
STATE OF CALIFORNIA

ALAMEDA County Transportation Commission

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APPROVED BY: DATE 3/27/14
CITY ENGINEER, R.C.E. No. 34870

ANNUAL OVERLAY / REHABILITATION 2013-14

BIGGE ST CROSS SECTIONS

AT FULL SIZE THIS LINE MEASURES 1"

SHEET 11 OF 15
JOB NO. 2014.0050
SCALE 1"=20' H, 1"=2' V
DWG 3834 CASE 202

G:_PD\Annual Overlay Rehab 13-14\3. Design Study\3.1.1 Drawings\Bigge Design\Bigge St Road Design.dwg, 3/25/2014 3:27:35 PM

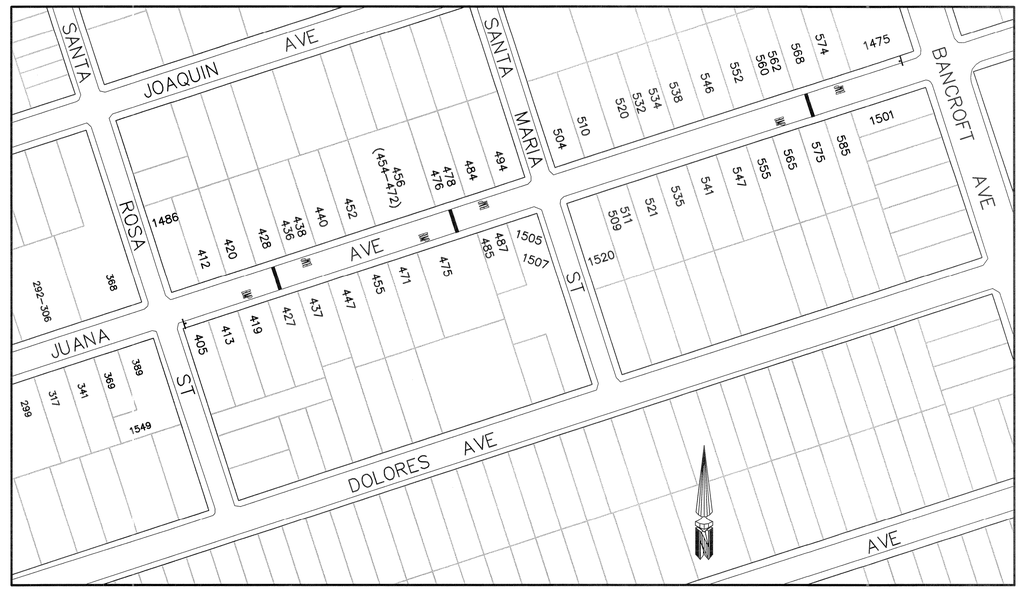
CONSTRUCTION NOTES

1. CENTERLINES OF RUBBER SPEED CUSHIONS TO BE MARKED IN THE FIELD BY CITY.

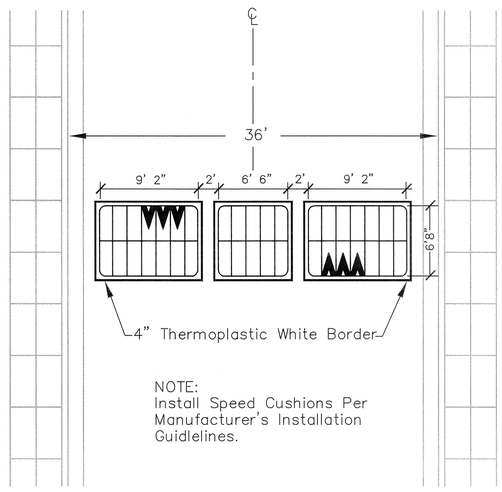
2. EDGE OF "BUMP" LEGENDS SHALL BE 50' FROM EDGE OF SPEED CUSHIONS. TWO "BUMP" LEGENDS SHALL BE INSTALLED PER SET OF RUBBER SPEED CUSHIONS.

LEGEND

- "BUMP" LEGEND
- SET OF RUBBER SPEED CUSHIONS
- SIGN POST WITH W13-1 (15 MPH) & W17-1 (SPEED BUMP) SIGNS



JUANA AVE SPEED CUSHION LOCATIONS



JUANA AVE CONFIGURATION

REGISTERED PROFESSIONAL ENGINEER KENNETH C. JOSEPH No. 34870 Exp. 9-30-15 CIVIL STATE OF CALIFORNIA

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SENIOR ENGR. [illegible] DATE 3/27/14
APPROVED BY: [illegible] DATE 3/27/14
CITY ENGINEER, R.C.E. No. 34870

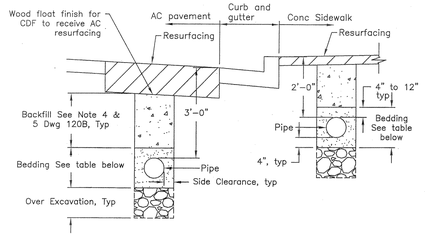
ANNUAL OVERLAY / REHABILITATION 2013-14

2010/2011 NEIGHBORHOOD TRAFFIC CALMING PROGRAM
SPEED CUSHION INSTALLATION
JUANA AVENUE

AT FULL SIZE THIS LINE MEASURES 1"

SHEET 12 OF 15
JOB NO. 2014.0050
SCALE NONE
DWG 3835 CASE 202

G:_PD\Annual Overlay Rehab 13-14\3. Design Study\3.1.1 Drawings\2010 NTCP Speed Cushion Installation - Amended.dwg, 3/25/2014 3:26:20 PM



All work to be done in accordance with the notes on drawing 120B Case 3101.

Cover shown is minimum except that cover under the sidewalk may be reduced to 18" for galvanized rigid metal, type K copper, ductile iron, and cast iron pipe 6" diameter or smaller.

When street gutters are not at equal elevations cover is measured from the low side of the street.

Bedding shall be per the table below.

Bedding			
Pipe or Conduit	Material	Side Clearance	
		Min.	Max.
All solid wall with d=6" or less	Sand	4"	4"
All perf pipe with d=6" or less	3/4" Crushed Rock	4"	4"
Plastic, DIP, and CMP with 6"<d<15"	3/4" Crushed Rock	8"	12"
Plastic, DIP, and CMP with d>15"	3/4" Crushed Rock	12"	18"
RCP and VCP with d>6"	Crushed AB	6"	12"

ACAD FILE NO.C3101D120A.DWG

CITY OF SAN LEANDRO * STANDARD PLANS

NO.	REVISIONS	DATE	BY

TRENCH BACKFILL

APPROVED: Kenneth Joseph, City Engineer R.C.E. No.34870 Expires 9/30/13

DRAWN NT/AMS CHECKED KJ/KRC DATE May 2012 SCALE NONE SHEET 1 OF 2 DWG. NO. 120A 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. Over Excavation. Bottom of trenches shall be firm, unyielding, and acceptable to the City Engineer. When trench bottoms are unacceptable. Contractor shall over excavate and install 12" of 2" crushed rock.
3. Bedding: Crushed rock bedding shall be installed in two lifts minimum. Bedding for perforated pipes shall be wrapped in filter fabric. Bedding shall be compacted to the same percentage as backfill.
4. Backfill: Backfill shall be crushed aggregate base (CAB) or crushed miscellaneous base (CMB). Backfill 5'-0" below finished grade and lower shall be compacted to 90% relative compaction. Backfill less than 5'-0" below finished grade shall be compacted to 95% relative compaction. JETTING IS NOT ALLOWED. Backfill in landscape areas may be native material, free from trash, debris, and other objectionable substances compacted to 90% relative compaction regardless of depth. Contractor shall provide compaction testing of backfill material by a City approved lab. Certified test results shall be provided to the City Engineer prior to resurfacing.
5. CDF: Controlled density fill (CDF), also known as controlled low strength material (CLSM), meeting the specification herein may be used in lieu of backfill or bedding except that CDF shall not be used for bedding below any pipe or around perforated pipes. Contractor shall anchor pipes, place CDF in lifts, and take any measures necessary to prevent pipe flotation and eliminate voids.
   28 day compressive strength: 50psi to 150psi
   3/8" max aggregate. Min 60% of aggregate passing 3/8" sieve.
   ASTM C-150 type II cement, 30lbs to 40lbs per cubic yard.
   Fly ash meeting ASTM C-618 for class F pozzolans, 300lbs per cubic yard max.
   Air entraining agent meeting ASTM C-260 yielding 7% entrained air min.
6. Resurfacing: Provide resurfacing per standard drawings. Drawing 100, 102, and 104 contain requirements for most concrete replacement. Drawing 122A, 122B and 122C contain requirements for most AC replacement.
7. Pipes shall not be stacked or located within 4" horizontally of each other.
8. PVC for storm drainage or sanitary sewer shall be SDR 26. Conduit for electrical systems shall be UL listed. Conduit for potable water shall be NSF approved. Ductile iron pipe shall be installed with loose polyethylene encasement in accordance with AWWA C 105.
9. All plastic pipe, conduit, or sleeves shall be Schedule 40 or SDR 26 minimum and shall be UL listed if for electrical systems or NSF approved for potable water or sanitary systems. A bare #8 stranded tracing conductor and pull rope shall be installed in all non-electrical or empty plastic pipes or conduits, terminate w/36" coil in a splice box, Christy F1 or equal. A #8 Tracing conductor Type THHN in conduit or Type UF taped 5' O.C. on the exterior of all water or sanitary pipelines is required.
10. In accordance with Government code Section 4216.4 (a): When an excavation is within the approximate location of subsurface installation, the excavator shall determine the exact location of subsurface installations by excavating with hand tools within the area of the subsurface installations before using any power operated or power driven excavating of boring equipment.

ACAD FILE NO. C3101D120B Rev4.DWG

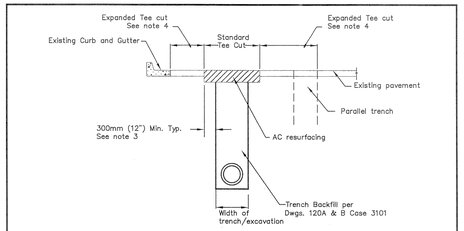
CITY OF SAN LEANDRO * STANDARD PLANS

NO.	REVISIONS	DATE	BY
4	Updated all notes	5/31/12	NT

TRENCH BACKFILL NOTES

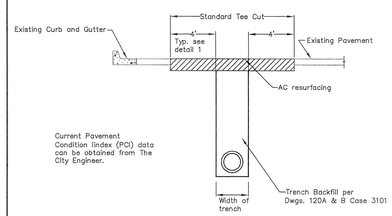
APPROVED: Kenneth Joseph, City Engineer R.C.E. No.34870 Expires 9/30/13

DRAWN NT/AMS CHECKED KJ/KRC DATE May 2012 SCALE NONE SHEET 2 OF 2 DWG. NO. 120B CASE 3101



4 DETAIL 1

All excavations in AC pavement with PCI<85 except cores of 12" diameter or less



4 DETAIL 2

Longitudinal Trenches (parallel to traffic lanes) in AC pavement with PCI >= 85

ACAD FILE NO. C3101D122ABC Rev2.DWG

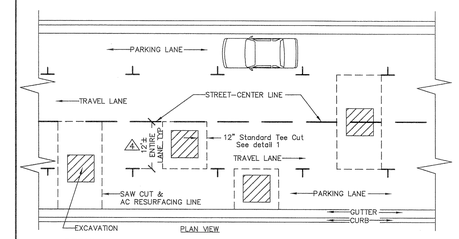
CITY OF SAN LEANDRO * STANDARD PLANS

NO.	REVISIONS	DATE	BY
1	Changed name "Trench Resurfacing" Revised drawings & notes for details 1 & 2	12/8/08	NT

4 EXCAVATION RESURFACING

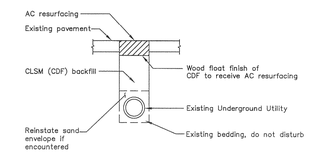
APPROVED: Kenneth Joseph, City Engineer R.C.E. No.34870 Expires 9/30/13

DRAWN GF/MLWH/VL CHECKED KJ/KRC DATE May 2002 SCALE NONE SHEET 1 OF 3 DWG. NO. 122A CASE 3101



DETAIL 3

All excavations in AC pavement with PCI>=85 except cores of 12" diameter or less and longitudinal trenches



Contractor shall submit a plan showing location and depth of all found utilities upon completion of the work

DETAIL 4

Cores of 12" diameter or less (PCI 0 to 100)

ACAD FILE NO. C3101D123B Rev4.DWG

CITY OF SAN LEANDRO * STANDARD PLANS

NO.	REVISIONS	DATE	BY
4	Added 12'ts to detail 3	2/22/11	NT

EXCAVATION RESURFACING

APPROVED: Kenneth Joseph, City Engineer R.C.E. No.34870 Expires 9/30/13

DRAWN NT/AMS CHECKED DATE DEC 2008 SCALE NONE SHEET 2 OF 3 DWG. NO. 122B 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. Final pavement surface shall not vary more than 1/8" from a 10' straight edge (except at changes of grade).
3. Permanent full depth asphalt section resurfacing shall extend a minimum of 12" outside excavation and at least 6" beyond any pavement damaged by excavation.
4a. AC resurfacing shall be extended to any adjacent gutter lip, curb, or cold joint that is within 24" of the Standard Tee cut.
4b. AC resurfacing shall extend to the far side of any adjacent parallel trench, or cracked or failed pavement when the near edge of said feature is within 24" of the Standard Tee cut.
4c. If the Standard Tee cut width is expanded by the above notes and the edge of the Expanded Tee cut is within 12" of any gutter lip, curb, cold joint, or existing trench then the AC resurfacing shall extend to said feature or in the case of an existing trench, to the far side of said feature.
5. Initially saw cut AC even with the excavation walls. Make final saw cut for T section immediately prior to paving. Saw cuts for T section shall be the full thickness of the existing pavement.
6. All saw cut residue shall be vacuumed concurrently with the sawing operations.
7. Seal saw cut extending beyond new pavement with approved crack sealant.
8. Compaction of AC and base shall be tested by a City approved lab at contractor's expense. Certified test results shall be provided to the City Engineer.
9. For Curb, Gutter and Sidewalk resurfacing see Dwg. 100 Case 3101.
   For Driveway resurfacing see Dwg. 102 Case 3101.
10. Replace all traffic striping, legends, markings, and markers in kind.
11. 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.
12. Caltrans Type A, Medium and all Type B AC mixes are prohibited. AC mixes containing recycled products are allowed for base course only, but are prohibited for surface courses.
13. Traffic Control Guideline Dwg 608 A, B, & C shall apply.
14. Full Depth Asphalt Section Resurfacing:
    All existing pavement shall be removed from the Tee cut. Contractor shall compact subgrade and either install full depth AC or a combination of AC & AB. Minimum AC sections are listed below.
    12" Minimum for arterial and commercial/industrial streets.
    9" Minimum for collector streets.
    6" Minimum for all non-arterial streets, parking lots, pathways, etc.
    Base Courses: B-PG64-10 or B-PG64-10-RAP (3/4" Dense Medium Coarse) (Caltrans Type A, Coarse equivalent).
    Surface Course: B-PG64-10 (3/4" Dense Medium Coarse) (Caltrans Type A, Coarse equivalent).
    Maximum installed and compacted thickness of AC lifts shall be per table:

Compaction Equipment	Maximum Compacted Thickness mm (in)
Vibratory Plate	1-1/2"
Pneumatic Plate	2"
Vibratory Rammers	2"
Steel Wheel Roller*	2-1/2"
Vibratory Roller*	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 4 sq.ft. maximum.

95% Relative Compaction minimum all courses. See Note 8.

SS-1h Tack Coat (paint binder) all hard surfaces. (AC, PCC, etc.)

ACAD FILE NO. C101D122C Rev4.DWG

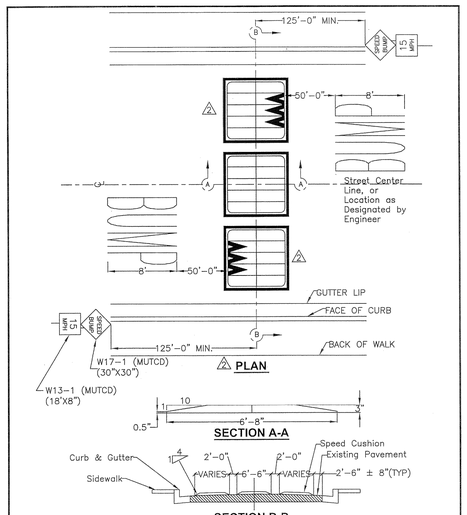
CITY OF SAN LEANDRO * STANDARD PLANS

NO.	REVISIONS	DATE	BY
4	Saw cut full depth. Demo full depth pvt at Tee cut	7/25/11	NT

EXCAVATION RESURFACING NOTES

APPROVED: Kenneth Joseph, City Engineer R.C.E. No.34870 Expires 9/30/13

DRAWN GF/MLWH/VL CHECKED KJ/KRC DATE May 2002 SCALE NONE SHEET 3 OF 3 DWG. NO. 122C CASE 3101



NOTE: See Dwg. 131B for additional information and requirements.

ACAD FILE: C3101D131A REV2.DWG

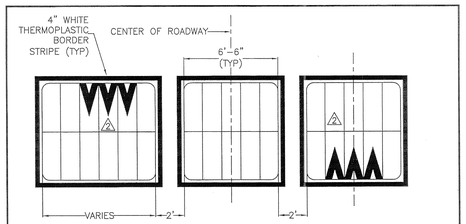
CITY OF SAN LEANDRO * STANDARD PLANS

NO.	REVISIONS	DATE	BY
4	REVISED SPEED CUSHION DESIGN	10/24/11	RC

STANDARD FOR PREFORMED RECYCLED RUBBER SPEED CUSHION

APPROVED: Kenneth Joseph, City Engineer R.C.E. No.34870 Expires 9/30/13

DRAWN GF/MLWH/VL CHECKED KJ/KRC DATE May 2002 SCALE NONE SHEET 1 OF 1 DWG. NO. 131A CASE 3101



4 STRIPING 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. Bumps shall be "Road Kop Speed Cushions", manufactured by Road Kare International, www.roadkare.com, or approved equal. RKP-C1011-K3 with (3) arrows as standard. Speed cushions shall be installed per manufacturer's installation guidelines.
3. All pavement markings and legends shall be skid resistant thermoplastic or Flint Trading, Inc "PreMark" PLUS LINES with VIZI GRIP (336) 475-6600 www.flinttrading.com, or approved equal.
4. Install W13-1, W17-1 roadside signs in accordance with Standard DWG 136 Case 3101.
5. The W17-1 and W13-1 shall be installed within the prescribed locations at the first set of cushions and at each intermediate location with in block section of the subject roadway. If there are a series of Speed Cushion locations along a continuous, uninterrupted block, or less than 500' apart on center, the intermediate signs shall be eliminated.
6. This layout is valid for streets with a curb to curb distance of 40' or less. Additional Speed Cushions may be required on wider streets. Widened or modified layouts shall be obtained from the City Engineer.

ACAD FILE: C3101D131B REV2.DWG

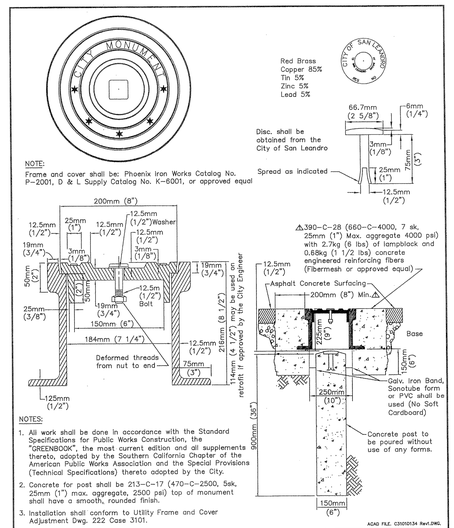
CITY OF SAN LEANDRO * STANDARD PLANS

NO.	REVISIONS	DATE	BY
4	REVISED SPEED CUSHION DESIGN AND NOTES	10/24/11	RC

STANDARD FOR PREFORMED RECYCLED RUBBER SPEED CUSHION

APPROVED: Kenneth Joseph, City Engineer R.C.E. No.34870 Expires 9/30/13

DRAWN GF/MLWH/VL CHECKED KJ/KRC DATE May 2002 SCALE NONE SHEET 1 OF 1 DWG. NO. 131B CASE 3101



ACAD FILE, C3101D134 Rev1.DWG

CITY OF SAN LEANDRO * STANDARD PLANS

NO.	REVISIONS	DATE
4	REVISED NOTES	10/23/08

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

REGISTERED PROFESSIONAL ENGINEER KENNETH C. JOSEPH No. 34870 Exp. 9/30/13 CIVIL STATE OF CALIFORNIA

ALAMEDA County Transportation Commission

Measure B Improvements
Your half-cent sales tax at work

811 Know what's below. Call before you dig.
One free, easy call gets your utility lines marked AND helps protect you from injury and expense.
Call 811 or visit call811.com for more information.
Common Ground Alliance

CITY OF SAN LEANDRO INCORPORATED 1872

BEFORE YOU DIG, CALL UNDERGROUND SERVICE ALERT 811

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES. THOSE SHOWN REPRESENT THE BEST INFORMATION AVAILABLE TO THE CITY OF SAN LEANDRO AT THE TIME OF PREPARATION OF THESE PLANS. NO GUARANTEE IS MADE AS TO THE ACCURACY OF THIS INFORMATION.

NO.	DATE	REVISION

CITY OF SAN LEANDRO

DESIGNED BY KKL DATE 3/25/2014
DRAWN BY KKL DATE 3/25/2014
PROJECT MGR. KKL DATE 3/25/2014
TRANS ADMIN. DATE 3/26/2014
SENIOR ENGR. DATE 3/27/14
APPROVED BY: DATE 3/27/14
CITY ENGINEER, R.C.E. No. 34870

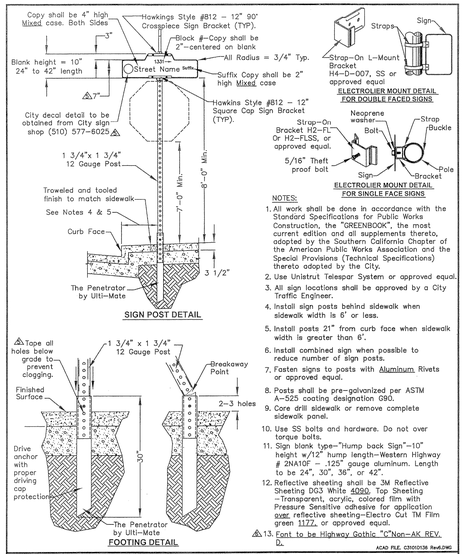
ANNUAL OVERLAY / REHABILITATION 2013-14

CITY STANDARD PLANS

AT FULL SIZE THIS LINE MEASURES 1"

SHEET 13 OF 15
JOB NO. 2014.0050
SCALE
DWG 3836 CASE 202

G:_PD\Annual Overlay Rehab 13-14\3. Design Study\3.1.1 Drawings\Title Sheet & Notes.dwg, 3/25/2014 3:22:45 PM



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 sign posts behind sidewalk when sidewalk width is 6' or less.
5. Install posts 21" from curb face when sidewalk width is greater than 6'.
6. Install combined sign when possible to reduce number of sign posts.
7. Fasten signs to posts with Aluminum Rivets or approved equal.
8. Posts shall be pre–galvanized per ASTM A–525 coating designation G90.
9. Core drill sidewalk or remove complete sidewalk panel.
10. Use SS bolts and hardware. Do not over torque bolts.
11. Sign blank type–"Hump back Sign"–10" height w/12" hump length–Western Highway # 2NA10SF – .125" gauge aluminum. Length to be 24", 30", 36", or 42".
12. 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 1172 or approved equal.
13. Font to be Highway Gothic "C"Non–AK REV. D.

ACAD FILE: C3101038 Rev6.DWG

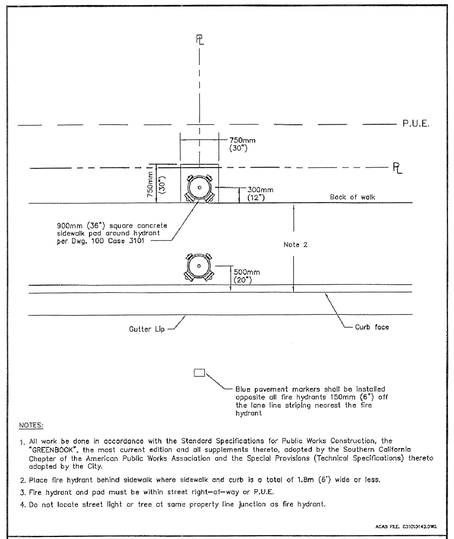
CITY OF SAN LEANDRO * STANDARD PLANS

NO.	REVISIONS	DATE	BY
4	"C" Non–AK Rev. D.	2/1/11	CR

SIGN INSTALLATION AND MOUNTING DETAIL

APPROVED: Kenneth Joseph, City Engineer R.C.E. No.34870 Expires 9/30/11

DRAWN GF/ML/WH/VL | CHECKED KJ/KRC | DATE May 2002 | SCALE NONE | SHEET 1 OF 1 | DWG. NO. 136 | CASE 3101



NOTES:

1. All work 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. Place fire hydrant behind sidewalk where sidewalk and curb is a total of 1.8m (6') wide or less.
3. Fire hydrant and pad must be within street right–of–way or P.U.E.
4. Do not locate street light or tree at same property line junction as fire hydrant.

ACAD FILE: C3101043.DWG

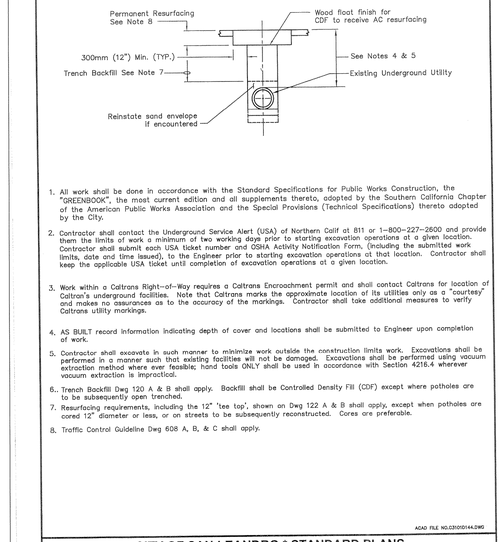
CITY OF SAN LEANDRO * STANDARD PLANS

NO.	REVISIONS	DATE

FIRE HYDRANT LOCATION

APPROVED: Kenneth Joseph, City Engineer R.C.E. No.34870 Expires 9/30/03

DRAWN GF/ML/WH/VL | CHECKED KJ/KRC | DATE May 2002 | SCALE NONE | SHEET 1 OF 1 | DWG. NO. 142 | 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. Contractor shall contact the Underground Service Alert (USA) of Northern Calif at 811 or 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. 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 keep the applicable USA ticket until completion of excavation operations at a given location.
3. Work within a Caltrans Right–of–Way requires a Caltrans Encroachment permit and shall contact Caltrans for location of Caltrans underground facilities. Note that Caltrans marks the approximate location 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.
4. AS BUILT record information indicating depth of cover and locations shall be submitted to Engineer upon completion of work.
5. Contractor shall excavate in such manner to minimize work outside the construction limits work. Excavations shall be performed in a manner such that existing facilities will not be damaged. Excavations shall be performed using vacuum extraction method where ever feasible; hand tools ONLY shall be used in accordance with Section 4216.4 wherever vacuum extraction is impractical.
6. Trench Backfill Dwg 120 A & B shall apply. Backfill shall be Controlled Density Fill (CDF) except where potholes are to be subsequently open trenched.
7. Resurfacing requirements, including the 12" 'tee top', shown on Dwg 122 A & B shall apply, except when potholes are cored 12" diameter or less, or on streets to be subsequently reconstructed. Cores are preferable.
8. Traffic Control Guideline Dwg 608 A, B, & C shall apply.

ACAD FILE NO.C3101D144.DWG

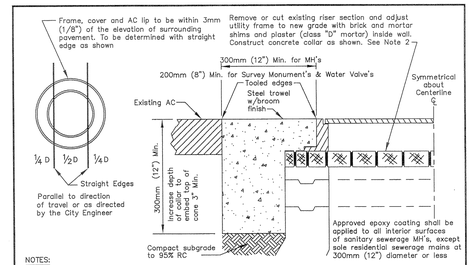
CITY OF SAN LEANDRO * STANDARD PLANS

NO.	REVISIONS	DATE

POTHOLING GUIDELINES

APPROVED: Kenneth Joseph, City Engineer R.C.E. No.34870 Expires 9/30/09

DRAWN GF/AMS | CHECKED KJ/KRC | DATE October 2007 | SCALE NONE | SHEET 1 OF 1 | DWG. NO. 144 | 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. Contractor is responsible for referencing out all manholes, valves, monuments, etc., and for locating them after the paving work and notifying the City of any discrepancies found in the field. If existing manholes, etc., are not properly referenced, the City will charge for researching and locating manholes, etc. Contractor shall lower ALL frames and covers for manholes, monuments, clean–outs, splice boxes, etc., and Utility Company manholes and valves below the lowest grading plane (15 inch maximum) in all streets prior to beginning any grinding/excavation operations. This work is not limited to removal of riser rings and shall include cutting, chipping, or sawing of collars, cones, barrels, bricks, metallic valve pots/riser sections, etc. to provide an unobstructed grading plane. Facilities below shall be protected from damage and debris entering. False bottoms shall be installed in all manholes and storm water inlets to prevent debris from entering. Such false bottoms shall be immediately removed upon completion of adjustment to grade operation.
3. Adjust frame and cover flush to finished grade after final lift of paving. Set frame and cover 75mm (3") above finish grade in non–paved areas, slope 25mm (1") to edge of concrete collar.
4. Traffic control approval is required prior to any traffic lane obstruction.
5. Installation or adjustment of all structures shall be in accordance with the following requirements:
   - (a). Concrete shall be minimum 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) per cubic yard. Steel trowel and broom finish surface, finish tool all edges.
   - (b). Pour all concrete before 12:00 noon.
   - (c). All traffic lanes shall be opened by 4:30 p.m. or as otherwise noted on Lane Closure Charts. Protect newly poured collars subject to vehicular traffic with trench plates until concrete has sufficiently set to withstand traffic loads without damage, 3 days minimum.
   - (d). No more than (5) structures may be opened at any one time on any street.
   - (e). All work shall be confined to one traffic lane at a time in each direction. Traffic not to weave to avoid adjustments.
   - (f). Coordinate work among subcontractors to avoid cutting through new traffic striping and vehicle detector loops. Contractor shall be responsible for all replacement costs due to poor coordination.

ACAD FILE NO. C3101D222 Rev2.DWG

CITY OF SAN LEANDRO * STANDARD PLANS

NO.	REVISIONS	DATE
2	REVISED NOTE 3 "2 DAYS" TO "3 DAYS MINIMUM"	11/7/05

UTILITY FRAME AND COVER ADJUSTMENT

APPROVED: Kenneth Joseph, City Engineer R.C.E. No.34870 Expires 9/30/11

DRAWN GF/ML/WH/VL | CHECKED KJ/KRC | DATE May 2002 | 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 date.
- 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
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

DRAWN GF/ML/WH/VL | CHECKED KJ/KRC | DATE October 2007 | SCALE NONE | SHEET 1 OF 3 | DWG. NO. 608A | CASE 3101

TRAFFIC CONTROL PLANS REQUIRED

Street Name	Begin	End	Classification	Flashing Arrow Panel	Caltrans ROW
136TH AVE	E 14TH ST	SCHOOL ST	RES. COLLECTOR	NO	
142ND AVE	WASHINGTON AVE	E 14TH ST	COLLECTOR	NO	
150TH AVE	E 14TH ST	HESPERIAN BLVD	COLLECTOR	NO	
150TH AVE	HESPERIAN BLVD	I–580	ARTERIAL	YES	
ADAMS AVE	DOOLITTLE DR	BRIDGE NO 33	COLLECTOR	NO	
ALAMEDA ST	ALVARADO ST	DAVIS ST	COLLECTOR	NO	
ALVARADO ST	DAVIS ST	MARINA BLVD	ARTERIAL	YES	
ALVARADO ST	MARINA BLVD	FREMONT AVE	COLLECTOR	NO	
AURORA DR	FREMONT AVE	FAIRWAY DR	RES. COLLECTOR	NO	
BANCROFT AVE	WILLIAMS ST	E 14TH ST	RES. ARTERIAL	YES	
BELLEVUE AVE	E 14TH ST	SOUTH CITY LIMITS	RES. COLLECTOR	NO	
BENEDICT DR	SAN LEANDRO BLVD	E 14TH ST	RES. COLLECTOR	NO	
BIRCH ST	E 14TH ST	E ADAMS AVE	LOCAL	NO	
BLOSSOM WAY	E 14TH ST	BANCROFT AVE	LOCAL	NO	
BROADMOOR BLVD	E 14TH ST	BANCROFT AVE	RES. ARTERIAL	YES	
CARLTON AVE	E 14TH ST	BANCROFT AVE	LOCAL	NO	
CASTRO ST	E 14TH ST	E 14TH ST	COLLECTOR	NO	
CLEVELAND ST	E 14TH ST	BANCROFT AVE	COLLECTOR	NO	
CORVALLIS ST	OWATA AVE	BANCROFT AVE	LOCAL	NO	
DAVIS ST	WEST END	DOOLITTLE DR	COLLECTOR	NO	
DELLA ST	E 14TH ST	E 14TH ST	LOCAL	NO	
DOLORES AVE	BANCROFT AVE	FAIRWAY DR	COLLECTOR	NO	
DOLORES AVE	DOOLITTLE DR	GRAND AVE	RES. COLLECTOR	NO	
DOWING BLVD	DUTTON AVE	BANCROFT AVE	LOCAL	NO	
DOWING BLVD	DOOLITTLE DR	FARALLON DR	COLLECTOR	YES	
DUTTON AVE	E 14TH ST	BANCROFT AVE	LOCAL	NO	
E 14TH ST	NORTH CITY LIMITS	MACARTHUR BLVD	COLLECTOR	YES	
E 14TH ST	MACARTHUR BLVD	SOUTH CITY LIMITS	ARTERIAL	YES	
ESTUDILLO AVE	E 14TH ST	HUFF AVE	RES. COLLECTOR	NO	
ESTUDILLO AVE	HUFF AVE	MACARTHUR BLVD	RES. ARTERIAL	YES	
FAIRMONT DR	MARINA BLVD	HESPERIAN BLVD	RES. COLLECTOR	YES	
FAIRWAY DR	HESPERIAN BLVD	DOOLITTLE DR	COLLECTOR	YES	
FARALLON DR	NEPTUNE DR	HESPERIAN BLVD	ARTERIAL	YES	
FARGO AVE	DOOLITTLE DR	WICKS BLVD	COLLECTOR	YES	
FARNSWORTH ST	WILLIAMS ST	WASHINGTON AVE	RES. COLLECTOR	YES	
FLORESTA BLVD	FAIRWAY DR	FREMONT AVE	RES. COLLECTOR	YES	
FLORESTA BLVD	FREMONT AVE	WASHINGTON AVE	RES. ARTERIAL	YES	

ACAD FILE NO. C3101D608ABC Rev1.DWG

CITY OF SAN LEANDRO * STANDARD PLANS

NO.	REVISIONS	DATE	BY
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TRAFFIC CONTROL PLAN ⚠GUIDELINES

APPROVED: Kenneth Joseph, City Engineer R.C.E. No.34870 Expires 9/30/09

DRAWN GF/ML/WH/VL | CHECKED KJ/KRC | DATE October 2007 | SCALE NONE | SHEET 2 OF 3 | DWG. NO. 608B | CASE 3101

TRAFFIC CONTROL PLANS REQUIRED

Street Name	Begin	End	Classification	Flashing Arrow Panel	Caltrans ROW
ALVARADO ST	JOAQUIN AVE	FLORESTA BLVD	ARTERIAL	YES	
GRAND AVE	JOAQUIN AVE	BENEDICT DR	COLLECTOR	YES	● I–580 ON/OFF RAMPS
HALCYON DR	WASHINGTON AVE	HESPERIAN BLVD	RES. ARTERIAL	YES	
HUFF AVE	E 14TH ST	LEWELLING BLVD	ARTERIAL	YES	● I–580 OFF RAMP
HESPERIAN BLVD	E 14TH ST	LEWELLING BLVD	ARTERIAL	YES	
HUFF AVE	CALLAN AVE	ESTUDILLO AVE	RES. ARTERIAL	YES	● HWY 238 ON RAMP
JAMES ST	E 14TH ST	BANCROFT AVE	RES. COLLECTOR	NO	
JUANA AVE	BANCROFT AVE	GRAND AVE	RES. COLLECTOR	NO	● E 14TH ST
JUNIPER ST	WILLOW AVE	MANOR BLVD	LOCAL	NO	
LAKE CHABOT RD	MANOR BLVD	CITY LIMITS	RES. COLLECTOR	NO	
LARK ST	138TH AVE	150TH AVE	LOCAL	NO	
LEWELLING BLVD	HESPERIAN BLVD	WASHINGTON AVE	RES. ARTERIAL	YES	
MACARTHUR BLVD	N CITY LIMITS	JOAQUIN AVE	ARTERIAL	YES	● I–880 OFF RAMP
MARINA BLVD	WICKS BLVD	NEPTUNE DR	ARTERIAL	YES	● I–580 OFF RAMP
MARINA BLVD	DOOLITTLE DR	WICKS BLVD	RES. ARTERIAL	YES	
MERCED ST	WILLIAMS ST	LAKE CHABOT RD	COLLECTOR	NO	● I–880 ON/OFF RAMPS
MERCED ST	WICKS BLVD	WILLOW AVE	LOCAL	NO	
MONTEREY BLVD	PORTOLA DR	MARINA BLVD	COLLECTOR	NO	
NEPTUNE DR	WILLIAMS ST	WASHINGTON AVE	RES. COLLECTOR	NO	
PARKSIDE DR	HESPERIAN BLVD	E 14TH ST	RES. COLLECTOR	NO	● E 14TH ST
PARK ST	E 14TH ST	DOOLITTLE DR	COLLECTOR	NO	
POLVORIDA ST	AURORA DR	E 14TH ST	ARTERIAL	YES	● E 14TH ST
SAN LEANDRO BLVD	E 14TH ST	NORTH CITY LIMITS	ARTERIAL	YES	● HWY 238 OFF RAMP
SAN LEANDRO BLVD	N CITY LIMITS	HESPERIAN BLVD	COLLECTOR	YES	● E 14TH ST
SPRINGLAKE DR	WASHINGTON AVE	ALVARADO ST	COLLECTOR	YES	
STEPHEN ST	E 14TH ST	ALVARADO ST	COLLECTOR	YES	
TIMOTHY DR	WILLIAMS ST	DAVIS ST	LOCAL	YES	● DAVIS ST
W JUANA AVE	SAN LEANDRO BLVD	E 14TH ST	COLLECTOR	YES	● E 14TH ST
WASHINGTON AVE	SAN LEANDRO BLVD	SOUTH CITY LIMITS	ARTERIAL	YES	● I–880 ON/OFF RAMPS
WAYNE AVE	ALVARADO ST	MARINA BLVD	RES. COLLECTOR	NO	● DAVIS ST
WEST PARKWAY	DAVIS ST	MANOR BLVD	RES. COLLECTOR	NO	● DAVIS ST
WICKS BLVD	MANOR BLVD	MERCED ST	ARTERIAL	YES	
WICKS BLVD	MERCED ST	LEWELLING BLVD	RES. ARTERIAL	YES	
WILLOW AVE	WILLIAMS ST	SAN LEANDRO BLVD	RES. COLLECTOR	YES	
WILLOW AVE	DOOLITTLE DR	SAN LEANDRO BLVD	COLLECTOR	YES	
WILLIAMS ST	SAN LEANDRO BLVD	E 14TH ST	LOCAL	NO	● E 14TH ST

ACAD FILE NO. C3101D608C Rev1.DWG

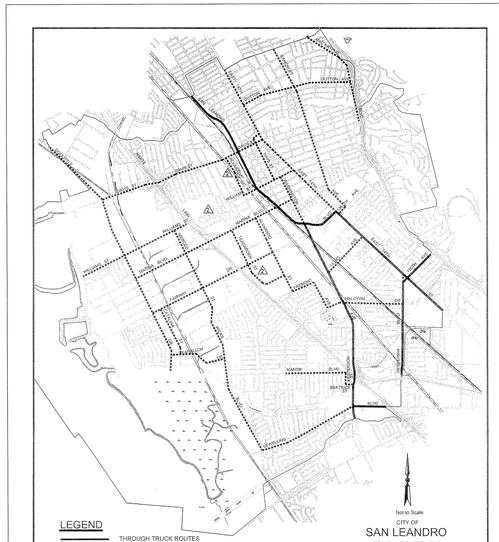
CITY OF SAN LEANDRO * STANDARD PLANS

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

DRAWN GF/ML/WH/VL | CHECKED KJ/KRC | DATE October 2007 | SCALE NONE | SHEET 3 OF 3 | DWG. NO. 608C | CASE 3101



ACAD FILE NO.C3101D610 Rev2.DWG

CITY OF SAN LEANDRO * STANDARD PLANS

NO.	REVISIONS	DATE	BY
2	DELETED "TRUCK ROUTE – WILLIAMS ST FROM I–880 EAST TO ALVARADO ST. ADDED ROUTE – ALVARADO ST FROM WILLIAMS ST TO DAVIS ST AND "EASABRON FROM MARINA BLVD TO ALVARADO ST. ADDED ORDINANCE NUMBERS.	9/29/10	C.H.

TRUCK ROUTE MAP

APPROVED: Kenneth Joseph, City Engineer R.C.E. No.34870 Expires 9/30/11

DRAWN AMS | CHECKED KJ/KRC | DATE May 2007 | SCALE NONE | SHEET 1 OF 1 | DWG. NO. 610 | CASE 3101

REGISTERED PROFESSIONAL ENGINEER KENNETH C. JOSEPH No. 34870 Exp. 9-30-14 CIVIL STATE OF CALIFORNIA

ALAMEDA County Transportation Commission

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Common Ground Alliance

CITY OF SAN LEANDRO INCORPORATED 1872

BEFORE YOU DIG, CALL UNDERGROUND SERVICE ALERT 811!
IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO DETERMINE THE EXISTENCE AND LOCATION OF ALL UNDERGROUND UTILITIES. THOSE SHOWN REPRESENT THE BEST INFORMATION AVAILABLE TO THE CITY OF SAN LEANDRO AT THE TIME OF PREPARATION OF THESE PLANS. NO GUARANTEE IS MADE AS TO THE ACCURACY OF THIS INFORMATION.

NO.	DATE	REVISION

CITY OF SAN LEANDRO

DESIGNED BY KKL DATE 3/25/2014
DRAWN BY KKL DATE 3/25/2014
PROJECT MGR. KKL KKL DATE 3/25/2014
TRANS ADMIN. RLC DATE 3/26/2014
SENIOR ENGR. A.J. DATE 3/27/14
APPROVED BY: DATE 3/27/14
CITY ENGINEER, R.C.E. No. 34870

ANNUAL OVERLAY / REHABILITATION 2013-14

CITY STANDARD PLANS

AT FULL SIZE THIS LINE MEASURES 1"

SHEET 14 OF 15
JOB NO. 2014.0050
SCALE
DWG 3837 CASE 202

G:_PD\Annual Overlay Rehab 13-14\3. Design Study\3.1.1 Drawings\Title Sheet & Notes.dwg, 3/25/2014 3:45:57 PM

PAVEMENT MARKERS, MARKINGS AND STRIPING

△2 Pavement markers, markings and striping shall be in conformance with 2010 edition of the State of California Department of Transportation Standard Plans and 2010 edition of The State of California Department of Transportation Standard Specifications Sections 84 and 85/or 2012 version of the California Manual on Uniform Traffic Control Devices (MUTCD) when submitted and accepted by the City of San Leandro Engineering and Transportation Department. The attached are current pavement markers, markings and striping details approved for installation.

			Caltrans Std. Plan
Lane Striping –	Crosswalk and Limit Lines	1' white or yellow line	A24E
	Rail Grade Crossing Limit Line	2' white line	
	Centerlines (yellow)	Detail 2	A20A
	Lane lines (white)	Detail 10	A20A
	No Passing Zones One Direction (yellow)	Detail 16	A20A
	No Passing Zones Two Direction (yellow)	Detail 22	A20A
	Left Edge line (yellow)	Detail 25A	A20B
	Raised Median Islands (yellow)	Detail 25A	A20B
	Right Edge line (white)	Detail 27B	A20B
	△2 Right Edge Line Extension Through Intersection (White)	Detail 27C	A20B
	Painted Median Islands (yellow)	Detail 29	A20B
	Two–Way Left Turn Lanes (yellow)	Detail 32	A20B
	△2 Exit Ramp Neutral Area (Gore) Channelizing Lines (white)	Detail 36	A20C
	△2 Entrance Ramp Neutral Area (Acceleration Lane) Channelizing Lines (white)	Detail 36B	A20C
	△2 Lane Drop Markings At Conventional Highway Intersections (white)	Detail 37B	A20C
	△2 Lane Drop Line For Two – Lane Roundabouts (white)	Detail 37D	----
	Channelizing (white)	Detail 38	A20D
	△2 Channelizing (white)	Detail 38A	A20D
	Lane Line Extensions (white)	Detail 40A	A20D
	Center Line Extensions (yellow)	Detail 41A	A20D
	Raised Median Island Nose (with Type D or K or L markers R4–7 or R4–7A w/mounting height) (yellow) See Note 4.		
	Bike Lane Line (white)	Detail 39	A20D
	Bike Lane Intersection Line (white)	Detail 39A	A20D

ACAD FILE NO.C2P2PD6168A Rev2.DWG

CITY OF SAN LEANDRO * STANDARD PLANS

NO.	REVISIONS	DATE	BY
	Added notes, added "A" to dwg.		KC
A	Added second page "B"	1/21/14	RLC

STANDARD PAVEMENT DELINEATIONS

APPROVED: Kenneth Joseph, City Engineer R.C.E. No.34870 Expires 9/30/15

DRAWN AMS | CHECKED KJ/KRC | DATE October 2007 | SCALE NONE | SHEET 1 OF 2 | DWG. NO. 6168A | CASE 3101

PAVEMENT MARKERS, MARKINGS AND STRIPING

Markings –	Left or Right Arrow	Type III (L) or (R)	A24B
	Shared Left Through or Through Right Arrow	Type II (L) or (R)	A24B
	Shared Left Right Arrow	Type III (B)	A24B
	Shared Left Through Right Arrow	Type II (B)	A24B
	Bike Lane Arrow (white) [skid resistant]△4		A24A
	Bike Lane Symbol (white) [skid resistant]		A24C
	Railroad Crossing Symbol		A24C
	Pavement Words (Various)		A24D, A24E
	24" Bar/Ladder Crosswalk [skid resistant]		A24C

		CA MUTCD Std. Plan
Special Signs –	Fluorescent Yellow, Green Sign Faces should be used for pedestrian warning, bicycle warning, playground warning, school bus and school warning.	W11A–2, W16–7P, W16–9P, W54A, W64, W65, W65–1, W66, W66A, W80,S1–1, S2–1, S2–1B, S4–3
Markings –	Shared Lane Marking [skid resistant]	Fig. 9C–9

NOTES:

1. All traffic striping and pavement markings shall be thermoplastic unless otherwise noted.
2. Markings noted as [skid resistant] shall be Skid Resistant Thermoplastic or Flint Trading, Inc. "PreMark" ViziGrip. 336–475–6600 www.flinttrading.com
3. Yellow paint two (2) coats per State of California Department of Transportation Standard Specifications Section 84–3
4. The following striping details to be used as alternates at problem locations where it is difficult to place and maintain striping due to moisture, sand, etc.:
   Detail 4 alternate to Detail 2
   Detail 23 alternate to Detail 22, for use with Detail 4
   Detail 30 alternate to Detail 29

ACAD FILE NO.C2P2PD6168B.DWG

CITY OF SAN LEANDRO * STANDARD PLANS

NO.	REVISIONS	DATE	BY
	ADDED DWG 6168	1/21/14	KL RLC

STANDARD PAVEMENT DELINEATIONS

APPROVED: Kenneth Joseph, City Engineer R.C.E. No.34870 Expires 9/30/15

DRAWN AMS | CHECKED KJ/KRC | DATE November 2013 | SCALE NONE | SHEET 2 OF 2 | DWG. NO. 6168 | CASE 3101

REGISTERED PROFESSIONAL ENGINEER KENNETH C. JOSEPH No. 34870 Exp. 9-30-15 CIVIL STATE OF CALIFORNIA

ALAMEDA County Transportation Commission

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DWG 3838 CASE 202