

City of San Leandro
Civic Center, 835 E. 14th Street
San Leandro, California 94577



**DOWNTOWN LIGHTING AND PEDESTRIAN IMPROVEMENTS
PROJECT NO. 07-961-83-054**

ADDENDUM NO. 1

May 1, 2008

TO: All Prospective Bidders

The additions and/or deletions contained in this Addendum shall be made a part of the plans and specifications and contract documents for the above described project, and shall be subject to all applicable requirements there under, as if originally shown and/or specified.

THE CONTRACT DOCUMENTS SHALL BE REVISED AS FOLLOWS:

Specifications

Notice to Bidders, Paragraph 1 shall be revised as follows:

1. **BID OPENING:** The bidder shall complete and **submit the pink copy** of the "Proposal to the City of San Leandro" form that is inserted in the Contract Book. No other copy of the Proposal Section will be accepted. Sealed bids containing said pink copies of the completed Proposal Section subject to the conditions named herein and in the specifications for **Downtown Lighting and Pedestrian Improvements, 07-961-83-054**, 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, MAY 9, 2008**, at which time they will be publicly opened and read.

Proposal, Contract price schedule:

Revised Price Schedule is enclosed in Attachment A. Replace the original schedule and use the attached price schedule with the bid proposal. Note changes to original bid items 23, 27 and 28.

Section 9-5 Bid Item Breakdown and Measurement and Payment:

Revised Bid Item Descriptions for bid items 23, 24, 28 and 51 are included in Attachment B

Technical Specifications Sections 203-13, "PAVING SPECIALTIES – TEXTURED ASPHALT PAVEMENT" and 302-11, "STREETPRINT SURFACE IMPRINTING":

Specified textured asphalt paving product to be replaced with 'Duratherm' product. Replace the indicated sections in their entirety with the attached revisions in Attachment B.

Tony Santos, Mayor

City Council:

Surlene G. Grant;
Diana M. Souza;

Michael J. Gregory;
Joyce R. Starosciak;

Jim Prola;
Bill Stephens



Drawings

Drawing G6, Sheet City Standard Details:

- Add City Standard Details 102 - Concrete Driveway, and 608 –Traffic Control Plan Guidelines. (See Sketches 1 through 4 in Attachment C).

Drawing E1.1, (applicable by inclusion on all sheets E1.0 through E2.1)

Add the following sheet notes:

8. Driveway replacements shall be completed at minimum one-half of their total length at a time based on its center scoreline in accordance with City standard detail 102.
9. Sidewalk replacement work shall be completed to the nearest scoreline in accordance with City standard details 100 and 104.

Drawing No. E0.2, Sheet 23.

- Replace the Panel Wiring Schedule for the Downtown Panelboard with the attached Panel Wiring Schedule for the Downtown Panelboard (Sketch 5 in Attachment C).

Drawing No. E1.0, Sheet 25.

- Revise plan note (existing not new panel): (E) DOWNTOWN SERVICE PEDESTAL. Keynote callout remains unchanged.

Drawing No. E1.1, Sheet 26, ()

- Revise Key Note #2 to read as follows: PROVIDE NEW LUMINAIRE, POLE, POLE FOUNDATION, AND LIGHTING SYSTEM PULLBOX.

Drawing No. E1.3, Sheet 28 :

- Add the following note: 4. REPLACE EXISTING SERVICE PEDESTAL ON WEST JOAQUIN AVENUE. SEE SHEET E0.2 FOR SINGLE-LINE DIAGRAM AND PANEL SCHEDULE. 5. ALL NEW LIGHT POLES WILL REQUIRE NEW FOUNDATIONS.

Drawing No. E5.1, Sheet 32

- Detail DT -Add footing detail callout per attached drawing in (Sketch 6 in Attachment C)

Drawing No. E5.2, Sheet 33

- Revise footing detail 3/E5.2 per attached drawing in (Sketch 7 in Attachment C). Footing is now 30" diameter with deeper embedment.

Drawing No. LL-1, Sheet 38

- Add new note as follows "IN CASE OF DISCREPANCY ON FINISHED SIDEWALK LIMITS ALONG SHALLOW ALCOVES ALONG BUILDING PERIMETERS, THE LIMITS AS SHOWN ON THE DEMOLITION PLANS SHALL GOVERN."
- Reference to 'see addenda' in the note for the planter at the palm trees shall refer to the detail provided in this Addendum. (See Sketch 8 in Attachment C).
- Any leader/note calling out "STAMPED ASPHALT PAVING, TYP." Refer to "DuraTherm Imprinted Asphalt, TYP" per the attached specification revisions.

Drawing No. LD-5, Sheet 45, Detail A, "STAMPED ASPHALT."

- Clarification: All Crosswalks shall be DuraTherm Imprinted Asphalt installed per manufacturer's Specifications. Pattern to match existing at West Estudillo and Hays Street (Wagonwheel with Border). Color of the interior pattern shall be "Terracotta" with "Brick" Border & Fill color on all 10 ft wide crosswalks, except the crosswalk at West Estudillo and Washington -- that should match existing – directly parallel. The pattern at the (smaller width) crosswalks between medians in the parking lot to be determined during project construction submittal reviews.

Drawing No. LD-7, Sheet 47.

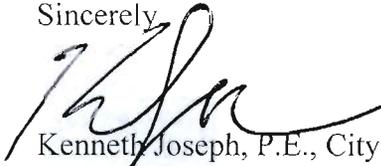
- Revise Bollard Detail C as follows: change bollard brand note from the 'Cadbury International' to "HADCO TRADITIONAL BOLLARD WITH STANDARD BLACK FINISH (MODEL EU30 N A)", install per manufacturer requirements.
- Add new detail, "CONCRETE RAISED 6'x8' PLANTER TO BE INSTALLED AT FIVE PALM TREES" per attached drawing. (*Sketch 8 – in Attachment C*)

PLEASE NOTE NEW BID OPENING DATE:

FRIDAY, MAY 9 AT 3:00 P.M.

Acknowledge this addendum in your Proposal. If you have any questions, please call the Project Engineer, Mark Goralka at (510) 577-3329.

Sincerely,



Kenneth Joseph, P.E., City Engineer
Engineering and Transportation Department

ACKNOWLEDGEMENT FOR ADDENDUM NO. 1

I hereby acknowledge receipt of this Addendum for the above noted project.

(Signature) Date: _____

(Company Name – Please Print)

Attachments:

- A - Revised Addendum 1 Contractor Price Schedule
- B - Specification Revisions: Bid Item Descriptions and 'Duratherm' Paving
- C - Drawing Revision Sketches.

cc: M. Goralka, G. Faria, A. Osakwe, Kiosk
COSL Current Plan-holders

Attachment A

Contract Price Schedule

Note: This revised Contract Price Schedule must be used in the bid proposal.

ADDENDUM 1
CONTRACT PRICE SCHEDULE

Item No.	Description	Estimated Quantity (A)	Unit of Measure	Item <u>UNIT</u> Price (in Words)	Item <u>UNIT</u> Price (in Figures) (B)	TOTAL PRICE (in Figures) (AxB)
1.	Mobilization (5% max)	1	LS	_____		
2.	Labor Compliance Management	7	MO	_____		
3.	Pedestrian Access	1	LS	_____		
4.	Traffic Control, Lane Closures and Detours	1	LS	_____		
5.	Sheeting, Shoring, and Bracing	1	LS	_____		
6.	General Conditions and Site Maintenance (incl. Erosion Control /Pollution Prevention)	1	LS	_____		
7.	Roadway Excavation	1,150	CY	_____		
8.	Remove ex. Concrete Curb and Curb and Gutter	2,100	LF	_____		
9.	Remove ex. Concrete Flatwork	21,000	SF	_____		
10.	Unclassified Excavation	650	CY	_____		
11.	Remove ex. Concrete Planters, Planter Wall/Islands	1	LS	_____		
12.	Misc. Demolition and Site work	1	LS	_____		
13.	12" RCP Storm Drain Drainline	175	LF	_____		
14.	12" PVC Storm Drain Drainline	170	LF	_____		
15.	4" PVC Storm Drain Drainline	410	LF	_____		
16.	2" PVC Storm Drain Drainline	50	LF	_____		
17.	Storm Water Curb Inlet	2	EA	_____		

18.	Storm Water Field Inlet	3	EA	_____		
19.	Reconstruct Storm Water Curb Inlet	2	EA	_____		
20.	Reconstruct Storm Water Field Inlet	1	EA	_____		
21.	Pipe Curb Drain with Cleanout	7	EA	_____		
22.	Storm Drain Manholes	2	EA	_____		
23A.	Type DD Street Lights and Typical Foundations	100	EA	_____		
23B.	Type DT Street Lights and Typical Foundations	4	EA	_____		
23C.	Type EE Street Lights and Typical Foundations	11	EA	_____		
23D.	Type FF Street Lights and Typical Foundations	3	EA	_____		
23E.	Stock Light Fixtures (Type without Foundations)	4	EA	_____		
24.	Street Lights and Offset Foundations (Type DT)	4	EA	_____		
25.	Street Light Electrical Conduit (Trenching and/or Directional Drilling, includes Surface Restoration)	1,500	LF	_____		
26.	Street Light Electrical Wiring	45,000	LF	_____		
27.	Electrical Service Pedestals	2	EA	_____		
28.	Landscape Uplighting (Type L)	13	EA	_____		
29.	Asphalt Concrete Pavement	2,700	TN	_____		
30.	4' Wide Asphalt Concrete Pavement Grinding at Pavement Tie-ins	150	LF	_____		

31.	2" Deep Asphalt Concrete Pavement Grinding at Crosswalks	2,900	SF	_____		
32.	Adjust Valve Covers and Cleanouts	1	LS	_____		
33.	Install Furnished Materials/Coordinate with Utility Companies	1	LS	_____		
34.	Stamped Asphalt Paving at Crosswalk	2,800	SF	_____		
35.	Thermoplastic Traffic Striping and Pavement/Curb Markings	1	LS	_____		
36.	Roadside Signs	1	LS	_____		
37.	Colored Concrete Paving	14,200	SF	_____		
38.	Colored Concrete Paving at Parking Medians	400	SF	_____		
39.	Decorative Paving (at fountain, at tree and for sidewalk band)	6,300	SF	_____		
40.	Concrete Curb and Gutter	1,100	LF	_____		
41.	Concrete Vertical Curb	900	LF	_____		
42.	Concrete Rolled Curb	20	LF	_____		
43.	Concrete Curb Ramp (Type A and Type D)	17	EA	_____		
44.	Irrigation System	1	LS	_____		
45.	Grate at Tree Well	9	EA	_____		
46.	5 Gallon Shrubs	49	EA	_____		
47.	1 Gallon Shrubs and Ground Cover	791	EA	_____		

48.	Street Trees (24" box)	20	EA	_____		
49.	Palm Trees (incl. preparation)	5	EA	_____		
50.	Water Feature	1	LS	_____		
51.	Street Furniture (benches, trash receptacles, bike rack, bollards)	1	LS	_____		
52.	Misc. Landscape Items (granite sets, planter pots, mulch)	1	LS	_____		
53.	180 Day Plant Establishment Period	6	MO	_____		
54.	2 year Palm Tree Establishment Period	5	EA	_____		
55.	Traffic Signal Modifications	1	LS	_____		
56.	Anti-Graffiti Coating	1	LS	_____		

TOTAL BID: _____
(In Words)

TOTAL BID: _____
(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.

Attachment B

**Specification Text Revisions for
Bid Item Descriptions and 'Duratherm' paving**

Section 9-5 Bid Item Breakdown and Measurement and Payment:

Revise the following Bid Item Descriptions:

Bid Items 23A to 23D: Street Lights (Types DD, DT, EE and FF) and Typical Foundations:

Unit price to include sawcutting and excavation, off-hauling and legally disposing of excess material and spoils, including backfilling, furnishing and placing compacted bedding and backfill materials, furnishing and installing concrete footings, constructing typical foundations, furnishing and installing conduits, pull boxes, anchor bolts with nuts and washers, and reinforcing cage as shown on the plans, furnishing and installing the various poles, luminaires with ballasts, lamps and photoelectric controls for the various light types including conductors, inline fuse disconnecter, fuses, lamps, and decals and loading, hauling, unloading, and stockpiling salvaged electrical equipment; work involved in preparing and furnishing Equipment List and Drawings as shown on the plans; and work involved in maintaining existing systems as shown on the plans.

Bid Item 23E: Stock Street Lights (Types DD, DT) without Foundations:

Unit price for four additional complete light poles without foundations: two each of Types DD and DT as shown on the plans for delivery to the City's Maintenance Yard at 14200 Chapman Road, San Leandro, CA. Lights will be stockpiled at the Yard for use as future replacement stock by the City.

Bid Item 24: Type DT Street Lights and Offset Foundations:

Unit price to include sawcutting and excavation, off-hauling and legally disposing of excess material and spoils, including backfilling, furnishing and placing compacted bedding and backfill materials, furnishing and installing concrete offset footings, constructing offset foundations, furnishing and installing conduits, pull boxes, anchor bolts with nuts and washers, and reinforcing cage as shown on the plans, furnishing and installing the various poles, luminaires with ballasts, lamps and photoelectric controls for the various light types including conductors, inline fuse disconnecter, fuses, lamps, and decals and loading, hauling, unloading, and stockpiling salvaged electrical equipment; work involved in preparing and furnishing Equipment List and Drawings as shown on the plans; and work involved in maintaining existing systems as shown on the plans.

Bid Item 28: Landscape Uplighting (Type L):

Unit price to include sawcutting and excavation, off-hauling and legally disposing of excess material and spoils, including backfilling, furnishing and placing compacted bedding and backfill materials, furnishing and installing conduits, pull boxes, the various luminaires with ballasts and lamps for the various light types including conductors, inline fuse disconnecter, fuses, lamps, and decals and loading, hauling, unloading, and stockpiling.

Bid Item 51: Street Furniture:

The lump sum price for furnishing and installation of Site Furniture; benches, trash receptacles, bollards, bike racks, concrete raised planters at palm trees, and footings for decorative pylons as shown on the plans, as specified in the Standard Specifications, these special provisions and as directed by the Engineer

In Part 2 – Construction Materials, Section 203-13, “PAVING SPECIALTIES – TEXTURED ASPHALT PAVEMENT” replace the section in its entirety with the following revised section:

203-13.1 GENERAL

- A. DuraTherm Inlaid Pre-cut Thermoplastic Pavement Marking is a proprietary decorative Hot Mix Asphalt Concrete (HMA) pavement marking system that uses specialized pre-formed thermoplastic inlaid into HMA pavement to create virtually any desired pavement marking.
- B. DuraTherm thermoplastic is embedded into HMA pavement by using proprietary infrared heating equipment designed specifically to elevate the temperature of the pavement without adversely affecting it and then imprinting into the heated HMA pavement a specialized plastic template to create depressions to match the desired pattern. The DuraTherm thermoplastic, pre-cut to match the pattern, is then installed within the depressions and melted in place.
- C. DuraTherm thermoplastic is to have impregnated glass beads.
- D. DuraTherm thermoplastic shall be provided as pre-cut panels in sizes to conform to the specified pattern, widths and shapes.
- E. DuraTherm thermoplastic shall be packaged in accordance with accepted commercial standards and if stored, placed indoors in a cool dry area.
- F. DuraTherm thermoplastic consists of homogeneously mixed pigments, fillers, resins, fibers, and glass beads. The pigments and fillers shall be uniformly dispersed in resin. The material shall be free from dirt and foreign objects.
- G. DuraTherm thermoplastic shall be supplied preformed or precut at a standard thickness of 90 mils (2.30 mm).

203-13.2 REFERENCES

- A. ASTM D570 Standard Test Method for water absorption of plastics.
- B. ASTM D36 ASTM D36-06 Standard Test Method for Softening Point of Bitumen (Ring-and-Ball Apparatus).
- C. AASHTO T250 Binder Content
- D. ASTM D792 Standard Test method for density and specific gravity (relative density) and density of solid plastics.
- E. AASHTO T250 Low Temperature Stress resistance
- F. ASTM D 2240 Standard Test Method for Rubber property – Durometer hardness.
- G. ASTM D256, Method A Standard Test Method for determining the IZOD pendulum impact resistance of plastics.
- H. ASTM D92 Test Method for Flash points.

203-13.3 DEFINITIONS

- A. “HMA Pavement” is Hot Mix Asphalt pavement.
- B. “Accredited DuraTherm Applicator” is an applicator that is accredited and licensed for the current calendar year by Integrated Paving Concepts Inc. (Tel. 800-688-5652) to install DuraTherm.
- C. “Imprinting HMA pavement” is defined as pressing a flexible plastic template into re-heated, fully compacted HMA pavement to produce a depression for the installation of the DuraTherm thermoplastic.
- D. “The Work” is as outlined in the Scope of Work and includes the execution of the DuraTherm process.
- E. “ASTM” American Society for Testing and Materials.
- F. “AASHTO” American Association of State Highway and Transportation Officials.

203-13.4 REQUIRED BID SUBMITTAL DOCUMENTS

The documents required as part of shop drawing submission are as follows:

- A. Product Data Sheet for DuraTherm thermoplastic.
- B. DuraTherm thermoplastic samples.
- C. A copy of the current year certificate of accreditation as provided by Integrated Paving Concepts, Inc. to the Accredited DuraTherm applicator or written verification from Integrated Paving Concepts that the bid applicator is qualified to perform this Work.

B. In Part 3 – Construction Methods, Section 302-11, “STREETPRINT SURFACE IMPRINTING” replace the section in its entirety with the following revised section:

302-11.1 EQUIPMENT

The following equipment is proprietary and is an integral part of the proper execution of the DuraTherm process. This equipment is available only from Integrated Paving Concepts Inc. and can only be used by Accredited DuraTherm applicators or an applicator authorized by Integrated Paving Concepts Inc.

A. Plastic Templates are used for imprinting the specified pattern into the HMA pavement. Templates are thicker than the DuraTherm thermoplastic to enable the applicator to ensure the top of the inlaid thermoplastic is slightly lower than the surrounding HMA pavement surface. Templates shall be supplied by Integrated Paving Concepts Inc.

B. Re-Heat Equipment. Integrated Paving Concepts offers three mobile, proprietary pieces of equipment designed specifically to elevate the temperature of the HMA pavement without adversely affecting it. Two of these, the SR-120 and SR-60 Reciprocating Infra-Red Heaters (SR-120, SR-60) each employ a bank of propane-fired heaters mounted on a track device such that these can reciprocate back and forth over a designated area thereby allowing the operator to monitor the temperature of the HMA pavement and the thermoplastic at all times during the pavement re-heating process.

C. The third mobile re-heat device is the SR-20 Infrared Heater (SR-20). The SR-20 is designed specifically to heat areas such as borders and narrow areas that are inaccessible to the SR-120 and SR-60 heaters. Similar to the SR-120 and SR-60, the SR-20 allows the operator to monitor the temperature of the HMA pavement and the thermoplastic at all times during the heating process.

D. The StreetHeat Portable Jet Heater is a hand-held portable heating device to be used to heat isolated areas of the HMA pavement or DuraTherm thermoplastic.

E. The DuraTherm Hand Held finishing tool (DT-HHFT) enables the applicator to complete the imprinting of the HMA pavement in areas around permanent structures such as curbs and manholes covers which may be inaccessible to the template.

F. Vibratory Plate Compactors shall be used for pressing the plastic templates into the heated asphalt to create the specified pattern. Please note that Integrated Paving Concepts does not supply Vibratory Plate Compactors.

302-11.2 EXECUTION

DuraTherm shall be supplied and installed only by an Accredited DuraTherm Applicator or an applicator authorized by Integrated Paving Concepts Inc. in accordance with the plans and specifications and as directed by the Engineer. In any circumstance, do not begin installation without confirmation of Applicator accreditation or authorization.

302-11.2.1 SURFACE PREPARATION.

The HMA pavement surface shall be dry and free from all foreign matter, including but not limited to dirt, dust, de-icing materials, and chemical residue.

302-11.2.2 LAYOUT

Layout of the pattern for imprinting into the surface of the HMA pavement shall be as per the drawings and specifications and in accordance to the methods prescribed by the DuraTherm applicator in conjunction with the Engineer.

302-11.2.3 HEATING THE HMA PAVEMENT

The Applicator shall follow the latest Recommended Application Procedure Guidelines as provided by Integrated Paving Concepts Inc. Primary heating of the pavement surface is accomplished with the SR-120 or SR-60 reciprocating infrared heaters.

A. Pavement temperature. The optimal pavement temperature for imprinting the template is dependent upon mix design, modifiers used in the mix, and the age of the pavement. Typically, the surface temperature of the pavement should not exceed 325°F as determined by an infra-red thermometer.

B. In order to achieve the proper depth of imprint it is important to elevate the HMA pavement temperature to a minimum depth of 1/2 inch (12.5mm) without burning the pavement surface.

302-11.2.4 SURFACE IMPRINTING

Once the HMA pavement has reached imprinting temperature, the templates shall be placed and held in position then pressed into the surface using vibratory plate compactors. Once the top of the template is level with the surrounding HMA pavement, the template can be removed. Areas that have an imprint depth less than the depth of the template shall be re-heated and re-stamped prior to installing the DuraTherm thermoplastic.

In areas difficult to get at with the template, or areas that have light print, the hand held finishing tool may be used to complete the imprint process.

302-11.2.5 INSTALLING DURATHERM THERMOPLASTIC

A. The HMA pavement surface shall be dry and free from all foreign matter, including but not limited to dirt, dust, de-icing materials, and chemical residue.

B. The pre-cut DuraTherm thermoplastic panels shall be installed within the imprinted depressions, ensuring the appropriate overlap at the thermoplastic joints.

C. Heat shall be re-applied to the HMA pavement surface using the SR-60 or SR-120, slowly raising the surface temperature until the thermoplastic panels start to liquefy and flow. The SR-20 and/or the Portable jet heater may also be used to raise the surface temperature, typically in areas that are difficult to heat using the SR-60 or SR-120. The temperature shall be monitored to ensure the thermoplastic is not over-heated. The thermoplastic panel must be heated to its full depth in order for the thermoplastic material to melt and create a bond with the underlying HMA pavement.

D. The joints between the thermoplastic pieces are to be melted together creating a seamless installation.

E. Once the thermoplastic panel has been liquefied to its full depth, the heat source shall be removed and the surface allowed to cool.

F. For low temperature applications, care must be taken to ensure the thermoplastic is thoroughly heated to assure a bond between it and the underlying HMA pavement. It is generally recommended to not proceed with the DuraTherm process when the outside air temperature is below 40°F (5° C).

G. Do not install during periods of precipitation.

302-11.2.6 PROTECTION AND OPENING TO TRAFFIC

A. The melted DuraTherm thermoplastic is to be protected until it cools and hardens. Do not permit any debris such as dust, water, pollen etc to come in contact with the melted thermoplastic.

B. The road may be opened to traffic once the thermoplastic has cooled to 140°F (60° C).

Attachment C

Drawing Revisions

Sketch 1: City Standard Detail 102 – Concrete Driveway Approach

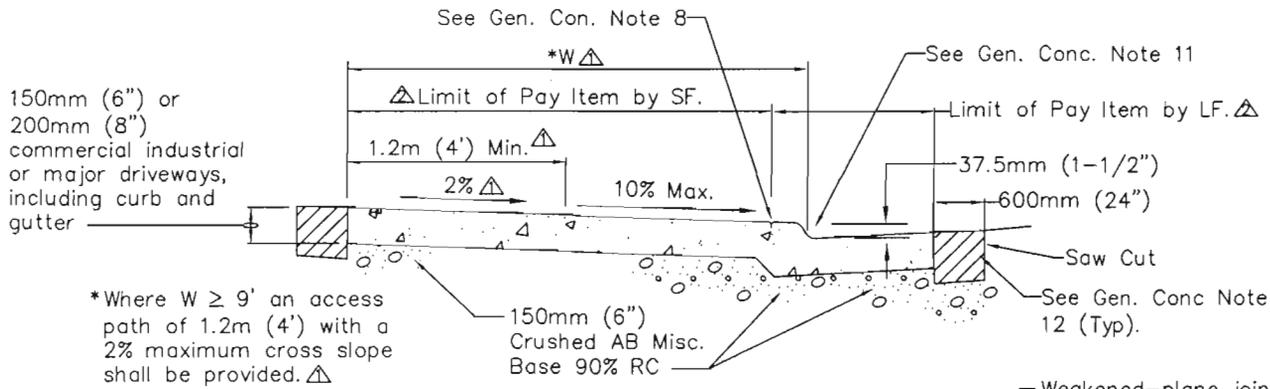
Sketches 2-4: City Standard Detail 608A-C– Traffic Control Plan Guidelines

Sketch 5: Revised Panel Schedule

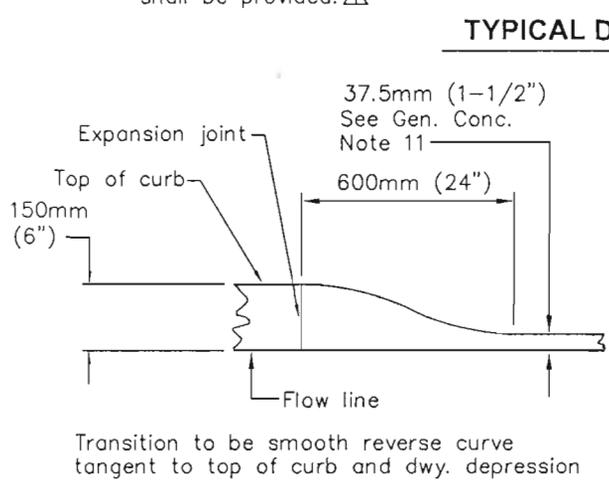
Sketch 6: Post Top Pedestrian Light Elevation

Sketch 7: Luminaire Pole Base Detail

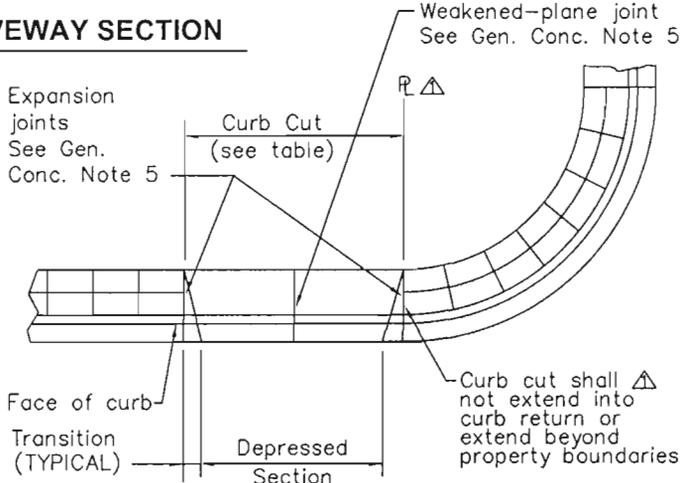
Sketch 8: Raised Concrete Planter



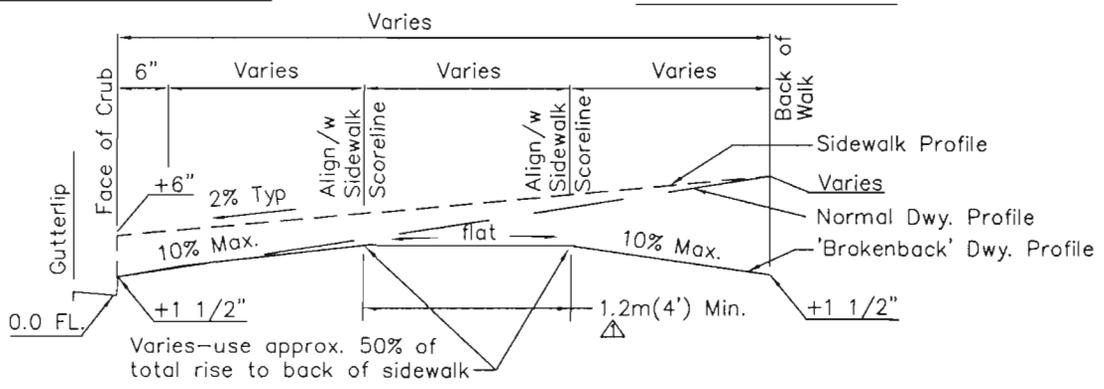
TYPICAL DRIVEWAY SECTION



CURB TRANSITION



DRIVEWAY PLAN



ALTERNATE 'BROKENBACK' DRIVEWAY

Requires PRIOR approval from City Engineer

NOTES:

- All work shall be done in accordance with the Standard Specifications for Public Works Construction, the "GREENBOOK", the most current edition and all supplements thereto, adopted by the Southern California Chapter of the American Public Works Association and the Special Provisions (Technical Specifications) thereto adopted by the City.
- General Concrete Notes Dwg. 104 Case 3101 shall apply.

Allowable curb cut widths		
Use of property	Maximum width	Maximum % of frontage
Residential	7.3m (24')	50%
Professional	7.3m (24')	50%
Commercial	11.9m (39')	65%
Industrial	11.9m (39')	50%

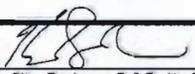
(Minimum curb cut width 3.65m (12'))

ACAD FILE: C3101D102 Rev2.DWG

CITY OF SAN LEANDRO * STANDARD PLANS

NO.	REVISIONS	DATE	BY
Δ	ADDED NOTES	9/8/05	-
Δ	Added "Limits of Pay Item by SF"	8/14/07	AMS

CONCRETE DRIVEWAY APPROACH

APPROVED 
 Kenneth Joseph, City Engineer R.C.E. No.34870
 Expires 9/30/09

DRAWN GF/MLWH/VL	CHECKED KJ/KRC	DATE May 2002	SCALE NONE	SHEET 1 OF 1
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DWG. 102 CASE 3101

ADDENDUM I - SKETCH I

TRAFFIC CONTROL PLAN GUIDELINES

Temporary traffic control shall be provided around work zones for the safety and protection of the workers and public traffic in conformance with the Manual on Uniform Traffic Control Devices (MUTCD) 2003 and the MUTCD 2003 California Supplement, Part 6 Temporary Traffic Control, when work is being performed within the roadway or road shoulder. Traffic Control Plans shall be submitted and accepted by the City of San Leandro Engineering and Transportation Department for work being performed on a roadway listed on the attached Table – Traffic Control Plans Required. For roadways not listed, a Traffic Control Plan submittal is not required, however the temporary traffic controls shall conform to the MUTCD 2003 and MUTCD 2003 California Supplement, Part 6 Temporary Traffic Control.

Traffic Control Plans shall include:

- "Typical" Traffic Control Plans are acceptable for many non-intersection locations. Photo copies of the MUTCD 2003 and MUTCD 2003 California Supplement, Part 6 Temporary Traffic Control are acceptable. "Typical" traffic controls are not acceptable for intersection work. Site-specific Traffic Control Plans are required for intersections.
- Traffic Control Plans shall specify the signage, cones, flashing arrow panels and other devices that will be used to redirect traffic. Distances between signs, the taper length, and the lane widths shall be specified to illustrate conformance to above standards.
- Traffic Control Plans shall indicate where parking is proposed to be restricted. The duration of the parking restriction shall be indicated. "No Parking" Signs provided by the City shall be posted and verified by Engineer 72 hours prior to effective dates.
- The dates and hours of the proposed Traffic Control Plan shall be specified.
- No work that interferes with public traffic on collector and arterial roadways shall be performed between the hours of 6:00 a.m. to 9:00 a.m., nor between 3:00 p.m. and 6:00 p.m. except as otherwise provided in the lane closure chart(s) or approved by the Engineer.
- The full width of the traveled way shall be open for use by public traffic on Saturdays, Sundays, and designated legal holidays; after 3:00 p.m. on Fridays, and the day proceeding designated legal holidays; and when construction operations are not actively in progress, unless approved by Engineer.
- For multi-phase operations, such as trenching across a roadway one lane at a time, provide a separate Traffic Control Plan for each phase. Each Traffic Control Plan should state the approximate duration of the phase.
- Flashing Arrow Panel shall be required per attached Table – Traffic Control Plans Required. When two of three lanes will be taken, then two arrow panels will be required. Multiple lane closures require multiple Flashing Arrow Panels. The Engineer may require changeable message signs in addition to the arrow panel.
- Excavations exceeding 6" in depth and within 6 feet of a travel lane, require K-rail between the excavation and the travel lane unless otherwise approved by the Engineer.
- Residents and businesses affected by the Traffic Control Plans shall be provided notification 7 days in advance. For a roadway closure/detours 14 days advance notification, including advance warning signs, are required.
- The Engineer may provide lane closure charts that specify minimum travel lane requirements for specific times for the contractor to prepare the Traffic Control Plans accordingly.
- The San Leandro Police Department (510) 577-3208, Alameda County Fire Department (510) 670-5858 and A.C. Transit (510) 891-4901 if applicable – shall be notified of daily closures, detours, etc.

For questions about these requirements please contact the City of San Leandro Transportation Section at (510) 577-3410.

ACAD FILE NO. C3101D608ABC Rev1.DWG

CITY OF SAN LEANDRO * STANDARD PLANS

NO.	REVISIONS	DATE	BY	TRAFFIC CONTROL PLAN △ GUIDELINES			APPROVED
△	ADDED "GUIDELINES" TO TITLE	10/1/07	AMS				Kenneth Joseph, City Engineer R.C.E. No.34870 Expires 9/30/09
DRAWN GF/MLWH/VL		CHECKED KJ/KRC	DATE October 2007	SCALE NONE	SHEET 1 OF 3	DWG. NO. 608A CASE. 3101	

ADDENDUM 1 - SKETCH 2

TRAFFIC CONTROL PLANS REQUIRED					
Street Name	Begin	End	Classification	Flashing Arrow Panel	Caltrans ROW
136TH AVE	E 14TH ST	SCHOOL ST	RES. COLLECTOR	NO	@ E 14TH ST
143RD AVE	WASHINGTON AVE	E 14TH ST	COLLECTOR	NO	@ E 14TH ST
148TH AVE	E 14TH ST	BANCROFT AVE	LOCAL	NO	@ E 14TH ST
150TH AVE	HESPERIAN BLVD	I-580	ARTERIAL	YES	@ E 14TH ST & I-580 OFF RAMP
ADAMS AVE	DOOLITTLE DR	BIGGE ST	COLLECTOR	NO	@ DOOLITTLE DR
ALADDIN AVE	TEAGARDEN ST	ALVARADO ST	ARTERIAL	YES	
ALVARADO ST	DAVIS ST	MARINA BLVD	COLLECTOR	YES	@ DAVIS ST
ALVARADO ST	MARINA BLVD	FREMONT AVE	ARTERIAL	YES	
ALVARADO ST	FREMONT AVE	PORTOLA ST	RES. COLLECTOR	NO	
AURORA DR	WILLIAMS ST	FAIRWAY DR	RES. COLLECTOR	NO	
BANCROFT AVE	N/CITY LIMIT-DURANT AVE	E 14TH ST	RES. ARTERIAL	YES	@ E 14TH ST
BEATRICE ST	W/O FREEWAY OFF RAMP	KESTERSON ST	RES. COLLECTOR	YES	@ I-880 OFF RAMP
BENEDICT DR	ESTUDILLO AVE	SOUTH CITY LIMITS	COLLECTOR	YES	@ I-580 ON/OFF RAMPS
BEST AVE	SAN LEANDRO BLVD	E 14TH ST	RES. COLLECTOR	NO	
BIGGE ST	N CITY LIMITS	S SIDE ADAMS AVE	COLLECTOR	NO	
BLOSSOM WAY	E 14TH ST	BANCROFT AVE	COLLECTOR	NO	@ E 14TH ST
BROADMOOR BLVD	E 14TH ST	BANCROFT AVE	LOCAL	YES	@ E 14TH ST
CALLAN AVE	E 14TH ST	HUFF AVE	RES. ARTERIAL	YES	@ E 14TH ST
CALLAN AVE	HUFF AVE	BANCROFT AVE	COLLECTOR	YES	
CASTRO ST	SAN LEANDRO BLVD	E 14TH ST	COLLECTOR	YES	@ E 14TH ST
CATALINA ST	FAIRWAY DR	FARALLON DR	COLLECTOR	NO	
CORVALLIS ST	OWATTA AVE	FARNSWORTH ST	LOCAL	NO	
DAVIS ST	WEST END	DOOLITTLE DR	COLLECTOR	YES	@ DOOLITTLE DR
DAVIS ST	DOOLITTLE DR	E 14TH ST	ARTERIAL	YES	BTWN DOOLITTLE DR & E 14TH ST
DOLORES AVE	E 14TH ST	BANCROFT AVE	COLLECTOR	YES	
DOLORES AVE	BANCROFT AVE	GRAND AVE	RES. COLLECTOR	NO	@ E 14TH ST
DOOLITTLE DR	NORTH CITY LIMITS	FAIRWAY DR	ARTERIAL	YES	NORTH OF DAVIS ST
DOOLITTLE DR	FAIRWAY DR	FARALLON DR	COLLECTOR	YES	
DOWLING BLVD	DUTTON AVE	BANCROFT AVE	LOCAL	NO	
DURANT AVE	E 14TH ST	MACARTHUR BLVD	RES. COLLECTOR	NO	@ E 14TH ST
DUTTON AVE	E 14TH ST	MACARTHUR BLVD	RES. COLLECTOR	YES	@ E 14TH ST
E 14TH ST	NORTH CITY LIMITS	SOUTH CITY LIMITS	ARTERIAL	YES	ENTIRE LENGTH
ESTABROOK ST	WASHINGTON AVE	E 14TH ST	COLLECTOR	YES	@ E 14TH ST
ESTUDILLO AVE	E 14TH ST	HUFF AVE	COLLECTOR	YES	@ E 14TH ST
ESTUDILLO AVE	HUFF AVE	MACARTHUR BLVD	RES. ARTERIAL	YES	@ I-580 ON/OFF RAMPS
EVERGREEN AVE	SYBIL AVE	W OF SCHOOL ST	RES. COLLECTOR	NO	
FAIRMONT DR	HESPERIAN BLVD	E 14TH ST	ARTERIAL	YES	@ E 14TH ST
FAIRWAY DR	NEPTUNE DR	DOOLITTLE DR	RES. COLLECTOR	YES	
FAIRWAY DR	DOOLITTLE DR	ALADDIN AVE	ARTERIAL	YES	
FARALLON DR	DOOLITTLE DR	WICKS BLVD	COLLECTOR	YES	
FARGO AVE	FARNSWORTH ST	WASHINGTON AVE	RES. COLLECTOR	YES	
FARNSWORTH ST	CORVALLIS ST	LEWELLING BLVD	RES. COLLECTOR	YES	
FLORESTA BLVD	CORVALLIS ST	FREMONT AVE	RES. ARTERIAL	YES	
FLORESTA BLVD	FREMONT AVE	WASHINGTON AVE	ARTERIAL	YES	

CITY OF SAN LEANDRO * STANDARD PLANS

**TRAFFIC CONTROL PLAN
GUIDELINES**

NO.	REVISIONS	DATE	BY
1	ADDED "GUIDELINES" TO TITLE	10/7/07	JAMS
DRAWN: GF/MLWH/VL		CHECKED: KJ/KRC	DATE: October 2007
SCALE: NONE		SHEET: 2 OF 3	
DWG. NO. 608B		CASE. 3101	
APPROVED:  Kenneth Joseph, City Engineer R.C.E. No. 34870 Expires 9/30/09			

ACAD FILE NO. C3101D0808BRC Rev1.DWG

APPENDUM 1 - SKETCH 3

TRAFFIC CONTROL PLANS REQUIRED					
Street Name	Begin	End	Classification	Flashing Arrow Panel	Caltrans ROW
FREMONT AVE	ALVARADO ST	FLORESTA BLVD	ARTERIAL	YES	
GRAND AVE	JOAQUIN AVE	BENEDICT DR	COLLECTOR	YES	@ I-580 ON/OFF RAMP
HALCYON DR	WASHINGTON AVE	HESPERIAN BLVD	RES. ARTERIAL	YES	
HAYS ST	E 14TH ST	W JUANA AVE	LOCAL	YES	
HESPERIAN BLVD	E 14TH ST	LEWELLING BLVD	ARTERIAL	YES	@ HWY 238 ON RAMP
HUFF AVE	CALLAN AVE	ESTUDILLO AVE	RES. ARTERIAL	YES	
JUANA AVE	E 14TH ST	BANCROFT AVE	COLLECTOR	YES	@ E 14TH ST
JUANA AVE	BANCROFT AVE	GRAND AVE	RES. COLLECTOR	YES	
JUNIPER ST	WILLOW AVE	MANOR BLVD	LOCAL	NO	
KESTERSON ST	MANOR BLVD	BEATRICE ST	RES. COLLECTOR	YES	
LAKE CHABOT RD	ESTUDILLO AVE	CITY LIMITS	RES. COLLECTOR	YES	
LARK ST	138TH AVE	150TH AVE	LOCAL	NO	
LEWELLING BLVD	WICKS BLVD	WASHINGTON AVE	RES. ARTERIAL	YES	
LEWELLING BLVD	WASHINGTON AVE	HESPERIAN BLVD	ARTERIAL	YES	@ I-880 OFF RAMP
MACARTHUR BLVD	N CITY LIMITS	JOAQUIN AVE	ARTERIAL	YES	@ I-580 OFF RAMP
MANOR BLVD	WICKS BLVD	KESTERSON ST	COLLECTOR	YES	
MARINA BLVD	NEPTUNE DR	DOOLITTLE DR	RES. ARTERIAL	YES	
MARINA BLVD	DOOLITTLE DR	SAN LEANDRO BLVD	ARTERIAL	YES	@ I-880 ON/OFF RAMP
MARINA BLVD	SAN LEANDRO BLVD	WASHINGTON AVE	COLLECTOR	YES	
MERCED ST	WILLIAMS ST	WICKS BLVD	ARTERIAL	YES	
MERCED ST	WICKS BLVD	WILLOW AVE	LOCAL	YES	
MONARCH BAY DR	MARINA BLVD	FAIRWAY DR	COLLECTOR	YES	
MONTEREY BLVD	PORTOLA DR	WASHINGTON AVE	RES. COLLECTOR	YES	
NEPTUNE DR	WILLIAMS ST	MARINA BLVD	RES. COLLECTOR	NO	
PARK ST	W BROADMOOR BLVD	SAN LEANDRO BLVD	COLLECTOR	NO	
PARROTT ST	HAYS ST	E 14TH ST	LOCAL	NO	@ E 14TH ST
POLVAROSA ST	AURORA DR	DOOLITTLE DR	COLLECTOR	NO	
PURDUE ST	JUNIPER ST	FARNSWORTH ST	LOCAL	NO	
SAN LEANDRO BLVD	N CITY LIMITS	E 14TH ST	ARTERIAL	YES	@ E 14TH ST
SPRINGLAKE DR	WASHINGTON AVE	HESPERIAN BLVD	COLLECTOR	YES	@ HWY 238 OFF RAMP
SYBIL AVE	E 14TH ST	GRAND AVE	RES. COLLECTOR	YES	@ E 14TH ST
TEAGARDEN ST	MARINA BLVD	ALVARADO ST	COLLECTOR	YES	
TIMOTHY DR	DAVIS ST	WILLIAMS ST	LOCAL	YES	@ DAVIS ST
W JUANA AVE	SAN LEANDRO BLVD	E 14TH ST	COLLECTOR	YES	@ E 14TH ST
WASHINGTON AVE	W JUANA AVE	SAN LEANDRO BLVD	COLLECTOR	YES	
WASHINGTON AVE	SAN LEANDRO BLVD	SOUTH CITY LIMITS	ARTERIAL	YES	@ I-880 ON/OFF RAMP
WAYNE AVE	DAVIS ST	MARINA BLVD	RES. COLLECTOR	NO	@ DAVIS ST
WESTGATE PARKWAY	DAVIS ST	WILLIAMS ST	COLLECTOR	YES	@ DAVIS ST
WICKS BLVD	MERCED ST	MANOR BLVD	ARTERIAL	YES	
WICKS BLVD	MANOR BLVD	LEWELLING BLVD	RES. ARTERIAL	YES	
WILLIAMS ST	NEPTUNE DR	DOOLITTLE DR	RES. COLLECTOR	YES	
WILLIAMS ST	DOOLITTLE DR	SAN LEANDRO BLVD	COLLECTOR	YES	
WILLIAMS ST	SAN LEANDRO BLVD	E 14TH ST	COLLECTOR	YES	@ E 14TH ST
WILLIOW AVE	MERCED ST	JUNIPER ST	LOCAL	NO	

ACAD FILE NO. C31010508A8C Rev1.DWG

CITY OF SAN LEANDRO * STANDARD PLANS

**TRAFFIC CONTROL PLAN
GUIDELINES**

NO.	REVISIONS	DATE	BY
1	ADDED "GUIDELINES" TO TITLE	10/1/07	AMS
DRAWN	GF/MLWH/VL	CHECKED	KJ/KRC
DATE	October 2007	SCALE	NONE
SHEET	3 OF 3	DWG. NO.	608C
CASE.	3101	APPROVED	
		Kenneth Joseph, City Engineer R.C.E. No. 34870 Expires 9/30/09	

APPENDUM 1 - SKETCH 14

Panel Wiring Schedule (1-Phase)

Panelboard: **DOWNTOWN** Voltage: 120/240 Phase: 1 Wire: 3 AIC Rating: 10,000
 Panel Type: Main Bus: **200** Mains: MLO
 NEMA Type: 3R Mounting: PEDESTAL Options: SPLIT BUS Notes: **EXISTING**

Ckt. No.	Wire size	Load Description	Bkr Size	Bkrs Opts	Actual kW	Phase	Actual kW	Bkrs Opts	Bkr Size	Load Description	Wire size	Ckt. No.
1	8	CIRCUIT A-1 (LIGHTING)	20/2		0.35	A	0.52		20/2	CIRCUIT A-2 (LIGHTING)	8	2
3	8				0.35	B	0.52				8	4
5	8	CIRCUIT A-3 (LIGHTING)	20/2		0.35	A			20/2	CIRCUIT A-4 (LIGHTING)	8	6
7	8				0.35	B					8	8
9						A					6	10
11						B					6	12
13		EXISTING	20/1			A			20/1	EXISTING		14
15		EXISTING	20/1			B			20/1	SPARE		16
17						A					12	18
19						B					12	20

SPLIT BUS BARS -- 100A/2P CONTACTOR -- SEE SINGLE-LINE DIAGRAM

21	4	CIRCUIT R-1	20/1		1.44	A			20/1	CIRCUIT R-2	6	22
23	4	CIRCUIT R-3	20/1		0.72	B	1.08		20/1	CIRCUIT R-4	4	24
25	4	CIRCUIT R-5	20/1		1.26	A	0.90		20/1	CIRCUIT R-6	8	26
27	6	CIRCUIT R-7	20/1			B			20/1	CIRCUIT R-8 (FUTURE)		28
29	8	CIRCUIT MN-1 (LIGHTING)	20/2		0.86	A	0.81		20/2	CIRCUIT MN-2 (LIGHTING)	8	30
31	8				0.86	B	0.81				8	32
33		SPARE	20/2			A			20/1	SPARE		34
35						B			20/1	SPARE		36
37		SPARE	20/1			A			20/1	SPARE		38
39		SPACE				B				SPACE		40
41		SPACE				A				SPACE		42

Actual Loads:

Phase A: 6.7 kW

Phase B: 4.9 kW

Total: 11.7 kW

48.5 Amps

Breaker Options:

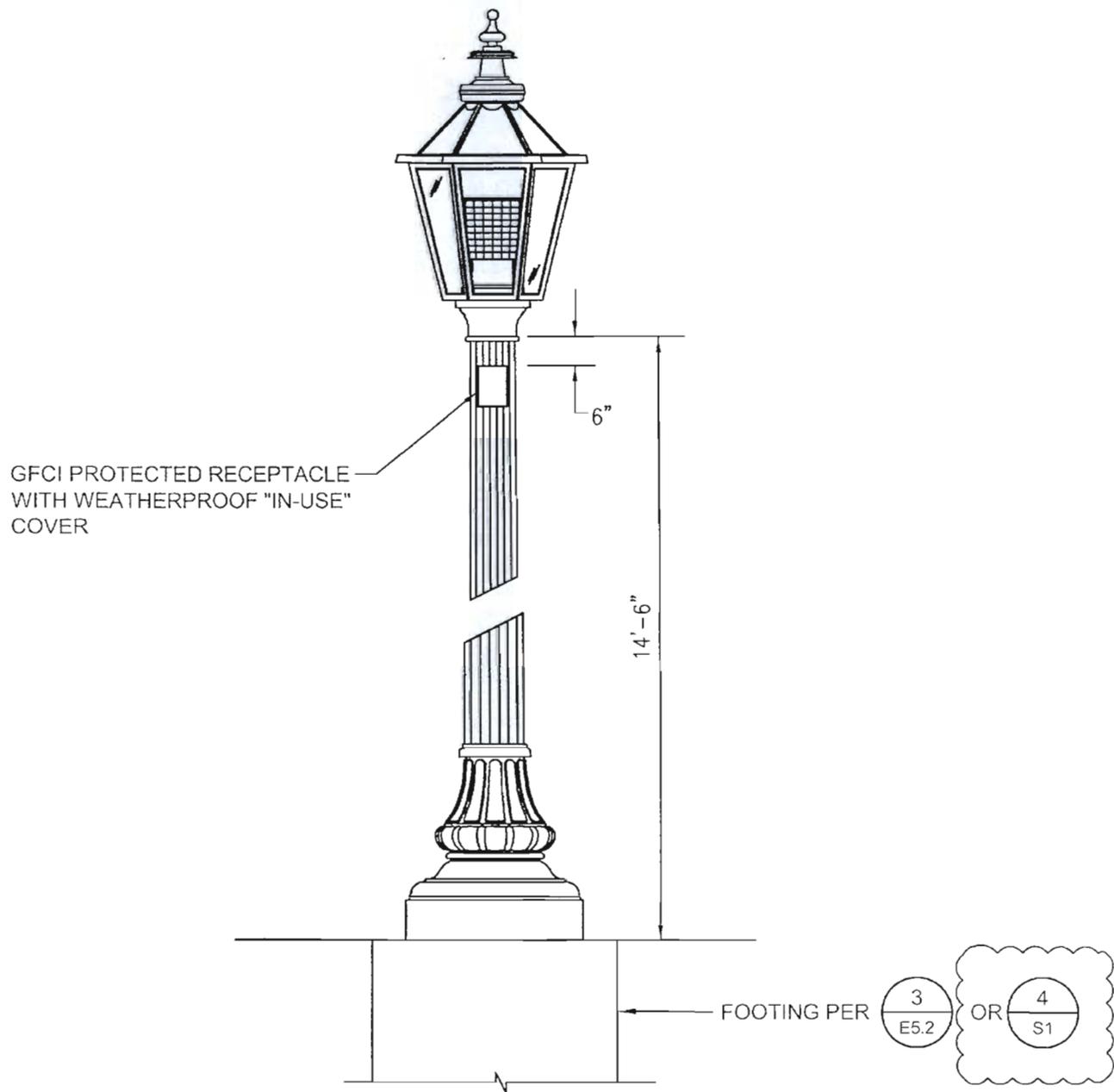
LO - Handle lock-on device

PA - Handle Padlock Attachment

GFCI - Ground Fault Circuit Interrupter

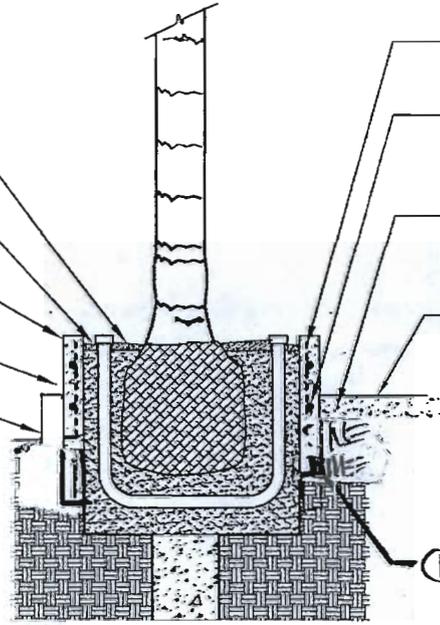
APPENDIX 1 - SKETCH 5

APPENDUM 1 - SKETCH 6



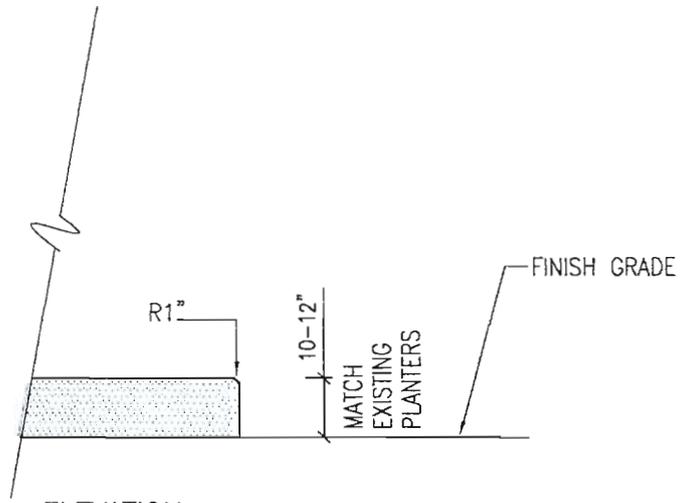
DT POST-TOP PEDESTRIAN LIGHT
NTS

REFER TO DETAIL
D, SHEET P3, FOR PALM
PLANTING
FINISH GRADE TO BE
2" BELOW TOP OF
WALL
PLANTER EDGE,
SEE ELEVATION
PLANTER AT BACK
OF CURB
CURB AND GUTTER, SEE
CIVIL'S DRAWINGS



4 BAR HORIZONTAL
CONT. AT 12" O.C TYP
4 BAR VERTICAL AT
12" O.C EXTEND INTO
FOOTING
PATCH CONCRETE AND PAVING
(IF REQUIRED) TO MATCH
EXISTING CONCRETE
FINISH GRADE
(E) OR (N)

SECTION



ELEVATION

(H) 3" THICK x 36" TALL
PERIMETER CAST IN
PLACE CONCRETE
PLANTER BOX.

NOTE:-
CONCRETE PLANTER WITH INTEGRAL COLOR
TO MATCH: DAVIS COLORS IN READY MIX
COLOR 'SPANISH GOLD' AND FINISH TO
MATCH A LIGHT BROOM FINISH.
APPLY ANTI-GRAFFITI COATING
TO EXPOSED FACES OF
PLANTER BOX

CONCRETE RAISED 6' X 8' PLANTER
TO BE INSTALLED AT FIVE PALM TREES

NOT TO SCALE

APPENDUM 1 - SKETCH 8