

CITY OF CUPERTINO STANDARD DETAILS

**CUPERTINO CITY HALL
10300 TORRE AVENUE
CUPERTINO, CA 95014**

(408) 777-3200



**Department of Public Works
Ralph A. Qualls, Jr.
Director of Public Works**

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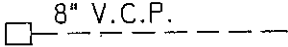
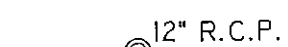
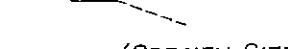
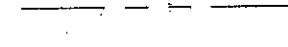
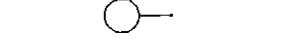
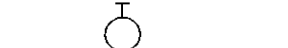
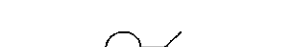
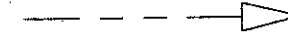
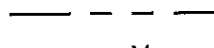
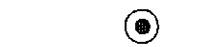
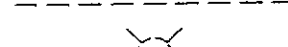
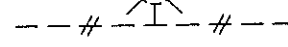
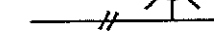
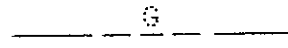
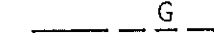
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CITY OF CUPERTINO DRAFTING STANDARDS

	EXISTING	PROPOSED	DESCRIPTION
1	DASHED LINE	SOLID LINES	
2	 8" V.C.P.	 8" V.C.P.	SANITARY SEWER AND FLUSHING INLET
3	 8" V.C.P.	 8" V.C.P.	SANITARY SEWER AND MANHOLE
4	 12" R.C.P.	 12" R.C.P.	STORM SEWER AND MANHOLE
5			STORM DROP INLET AND LATERAL
6	(SPECIFY SIZE AND STYLE)		WATER MAIN
7			FIRE HYDRANT
8			GATE VALVE
9			BLOW - OFF
10			TEE (WATER)
11			CROSS (WATER)
12			REDUCER
13			MONUMENT
14			CURB & GUTTER
15			ELECTROLIER WITH CONDUIT
16			GAS LINES - INDICATE SIZE
17			TELEPHONE DUCT (CONDUIT) INDICATE SIZE
18			STREET NAME SIGN
19			TRAFFIC SIGNS
20			EXISTING EDGE OF PAVEMENT

CITY OF CUPERTINO GENERAL NOTES

1. All work shall be in accordance with the State of California Department of Transportation Standard Specifications (latest edition, as amended), and Standard Plans (latest edition, as amended), and City of Cupertino Standard Details. The Contractor shall perform the work described in the specification, and as shown on the drawings, and to the satisfaction of the City Engineer.
2. Approval of these plans shall not release the Owner or Contractor of the responsibility for corrections of mistakes, errors, or omissions contained therein. If during the course of construction of improvements, public interest requires a modification of/or a departure from the City of Cupertino Standard Details or these improvements plans, the City Engineer shall have the authority to require such modification or departure and to specify the manner in which the same is to be completed, at the sole expense of the Owner or Contractor.
3. Approval of these plans by the City Engineer is only for public right-of-way improvements (including storm drain in the right of way), and not for water, sewer or dry utilities. It is the Developer's/Owner's responsibility to coordinate reviews and approval from each of the Utility companies, and to provide approval letters as requested.
4. It shall be the responsibility of the Contractor to ensure the approved plans or the latest revised plans are furnished to its subcontractors, and to ensure the latest approved plans are onsite at all times during construction.
5. The Contractor shall notify the City of Cupertino Public Works Inspector two (2) working days prior to requiring an inspection. Call (408) 777-3104 to schedule Public Works inspections.
6. Construction area traffic control devices shall be installed prior to beginning of work.
7. Notify City of Cupertino Traffic Signal Maintenance for inspection of traffic signal facility foundation excavations at (408) 777-1366, two (2) working days prior to pouring any cabinet or signal foundations relating to the job.
8. The Contractor shall locate underground facilities in the area of work. The Contractor shall contact Underground Service Alert (USA) at 811 two (2) working days in advance of any work for location of the underground facilities.
9. All underground utilities shall be installed and backfilled before placement of the base material and surface structures. If utilities are to be installed subsequently, a written notification from the affected utility company indicating its commitment to bore or tunnel shall be submitted to the City Engineer before proceeding with the work. Underground utilities, except storm drains and sanitary sewers, shall not be permitted in pavement area, with the exception of street crossings, unless approved by the City Engineer.

CITY OF CUPERTINO
STANDARD DETAILS

APPROVED BY:


CITY ENGINEER

DATE:

6/29/16

10. All water lines, valves, hydrants, and appurtenances thereto installed within the public right-of-way shall be the property of the water utility company.
11. Storm drain lines installed as part of the work on these plans shall be cleared of all debris and obstructions prior to final acceptance.
12. All trench backfill, fill areas, and base material shall attain a minimum 95% relative compaction. For typical trench sections, except for sanitary sewers, refer to the City Standard Details.
13. The Developer shall pay all costs for moisture-density curves (Calif. Test No. 216E) and any other tests required by the City Engineer during street construction.
14. Trees, roots, and foreign matter in existing or proposed right-of-way shall be removed to a depth of two (2) feet below subgrade and disposed of per Caltrans Standards. In the case of live tree roots from City street trees, Contractor shall contact the City for field observation prior to removing tree roots.
15. Trench plates in the traveled way shall be traffic rated, property secured and shall be recessed upon the request of the Director of Public Works.
16. All trenches located within 5' of the edge of pavement (ie. curb, lip of gutter, edge of pavement, etc.) shall be repaved to the edge of pavement.
17. All new pavement shall match the existing pavement section. A minimum pavement section of 3" AC/6" Class 2 AB is required.
18. Existing pavement that is removed or damaged shall be replaced as required by the City Engineer.
19. Manhole frames and covers shall be brought to finish grade prior to final signoff.
20. Five (5) working days prior to installing permanent striping, the Contractor shall cat track the striping and request review of the cat tracks by the City Traffic Engineer. The City Engineer shall have the right to make changes in the location of the alignment of traffic stripes, pavement markings, and pavement markers.
21. Concrete for use in all concrete structures shall conform to California Department of Transportation Standard Specifications Section 90. Drop inlets, sidewalks, curbs and gutters shall contain 590 lbs. of cement per cubic yard and shall attain a minimum strength of 3,000 psi in 28 days.
22. Drop inlets shall be constructed conforming to City Standard Details unless otherwise noted on the plans. If grate openings align with direction of path of travel, openings shall be no wider than ½". Drop Inlets shall be installed concurrent with the construction of the curb and gutter. "No Dumping Flows to the Bay" plaque shall be installed on the curb adjacent to all inlets.

23. A minimum thickness of five (6) inches of concrete shall be required for commercial driveway approaches and four (5) inches for residential. The driveway approach shall be installed concurrent with the construction of the curb and gutter.
24. One pound of dispersing black shall be mixed with each cubic yard of concrete at the batch plant.
25. City Standard Street Lights shall be installed as required by the Director of Public Works, and shall conform to the City Standard Details and Notes. During construction operations, temporary street lighting shall be provided as necessary to ensure the public safety. Temporary street lights shall be installed at the discretion of, and to the satisfaction of, the Director of Public Works.
26. City standard street monuments shall be constructed at the locations shown on the plans or as directed by the City Engineer.
27. New City standard street monuments and other permanent monuments disturbed during construction shall be replaced before acceptance of the improvements by the City Engineer. Attention is directed to Section 8771 of the California Business and Professions Code for the requirements concerning survey monuments. Existing survey monuments shall be located and referenced by or under the direction of a licensed land surveyor or registered civil engineer prior to construction operations, and a corner record or record of survey shall be filed with the County Surveyor of the County of Santa Clara. Existing survey monuments shall be reset to finish grade, and a corner record or record of survey shall be filed with the County Surveyor of the County of Santa Clara prior to the recording of the certificate of completion for the project.
28. Construction survey stakes or marks (control stakes) to establish lines and grades shall be set by the Contractor's surveyor or engineer.
29. Notify the City Inspector two (2) working days in advance of requiring services for checking field staking. Three (3) copies of the cut sheets shall be furnished to the City Inspector.
30. Grading of lots shall be completed as determined by the City Engineer, as shown on the plans, and shall follow requirements and standards as set forth in the City Standard Grading and Drainage notes.
31. Demolition of septic tanks shall conform to Santa Clara County Environmental Health Department regulations. Work shall be done prior to construction.

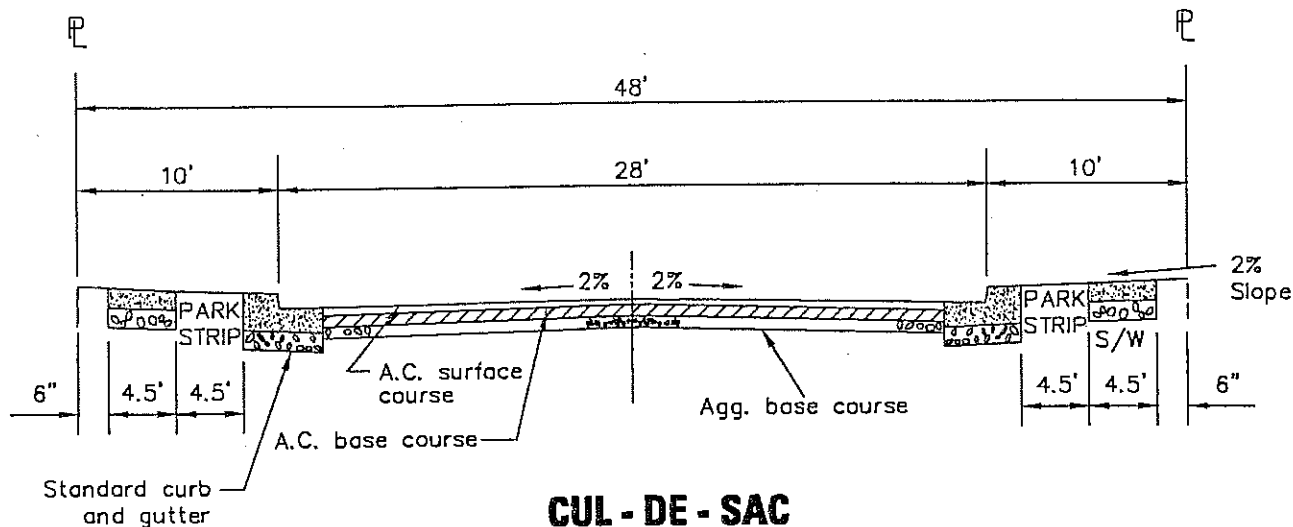
CITY OF CUPERTINO
STANDARD DETAILS

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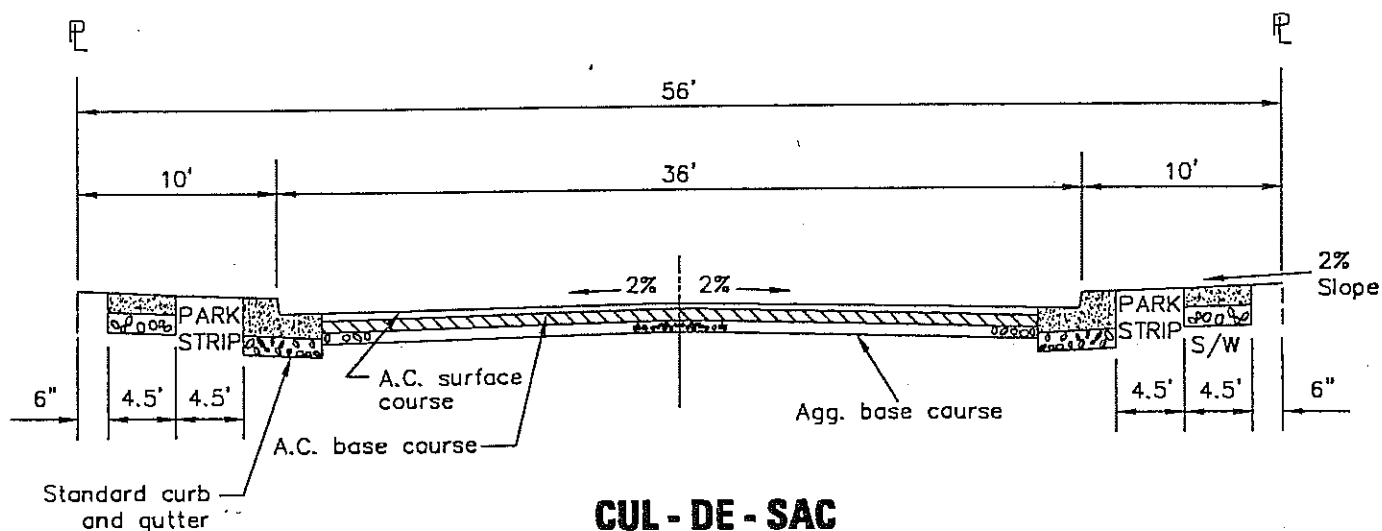

CITY ENGINEER

DATE:

6/29/16



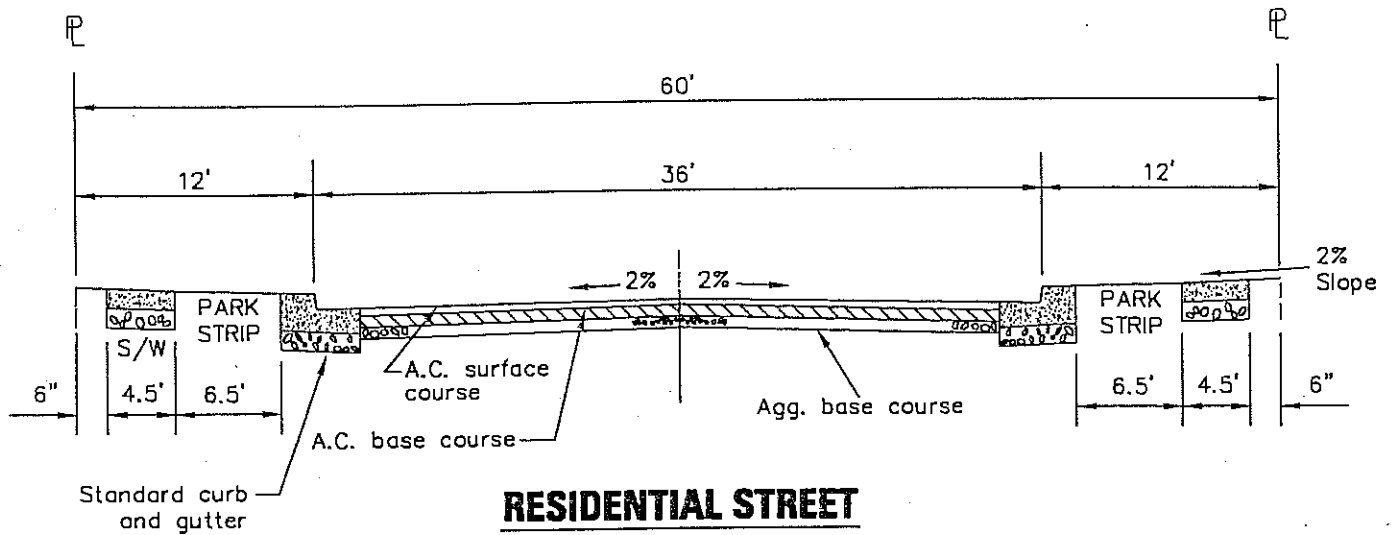
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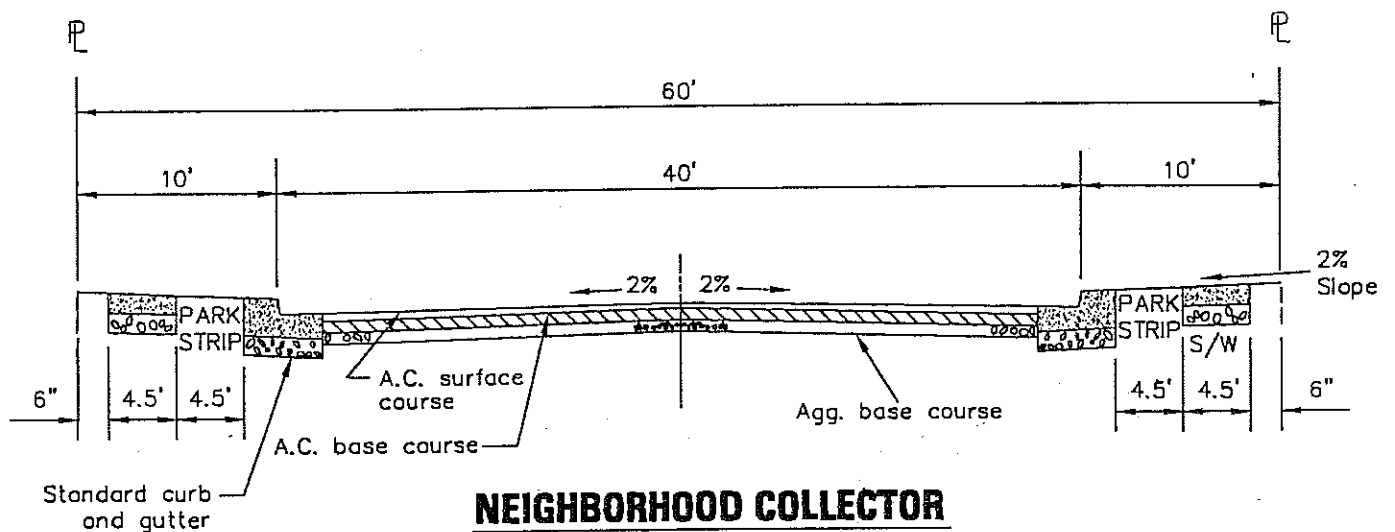
(PARKING ON BOTH SIDES)

1. RESIDENTIAL - Sidewalk to be 4" P.C.C. over 4" Class II Aggregate Base @ 90% Relative Compaction
2. COMMERCIAL & INDUSTRIAL - Sidewalk to be 5" P.C.C. over 4" Class II Aggregate Base @ 90% Relative compaction.
3. Monolithic sidewalk shall be installed only when monolithic sidewalk exists.

RESIDENTIAL STREET SECTIONS



RESIDENTIAL STREET **OLD SAN JOSE AREA**

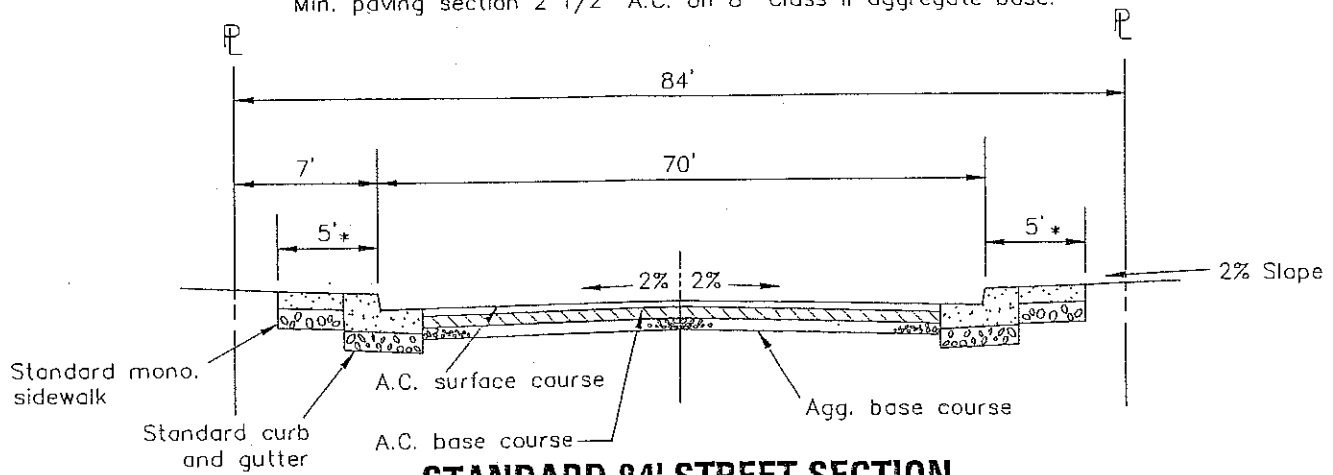


NEIGHBORHOOD COLLECTOR

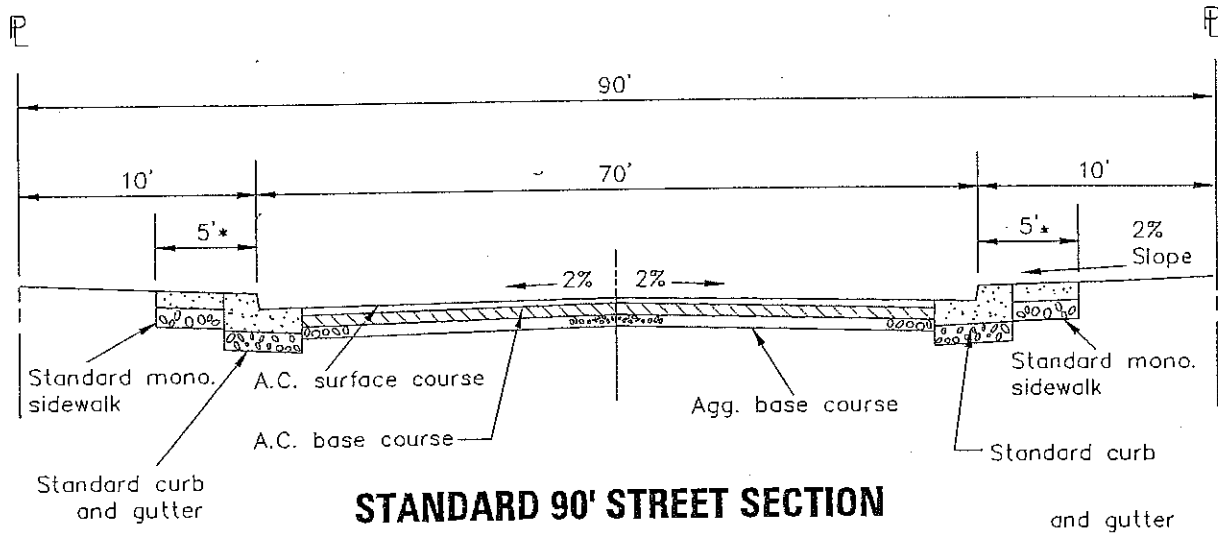
1. RESIDENTIAL - Sidewalk to be 4" P.C.C. over 4" Class II Aggregate Base @ 90% Relative Compaction
2. COMMERCIAL & INDUSTRIAL - Sidewalk to be 5" P.C.C. over 4" Class II Aggregate Base @ 90% Relative compaction.
3. Manolithic sidewalk shall be installed only when manolithic sidewalk exists.

RESIDENTIAL STREET SECTIONS

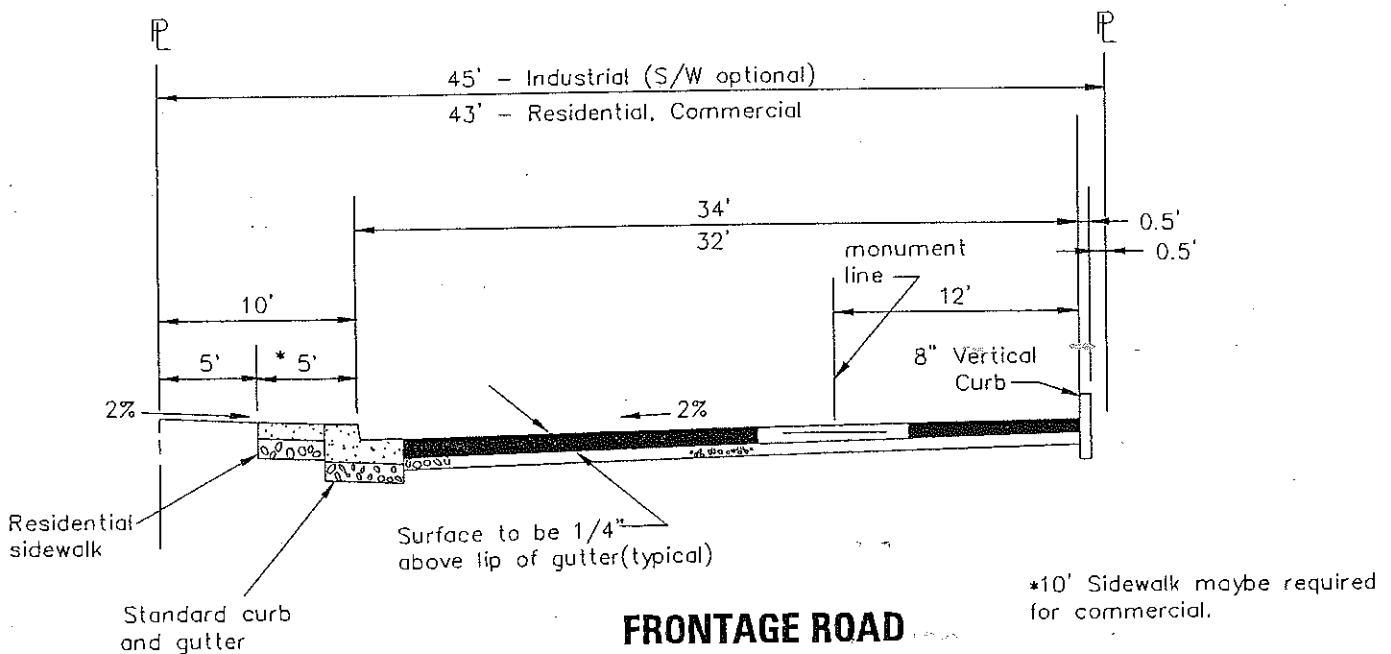
NOTE: Paved section to be designed based on R value and T.I. (Traffic Index)
Min. paving section 2 1/2" A.C. on 8" Class II aggregate base.



STANDARD 84' STREET SECTION



STANDARD 90' STREET SECTION



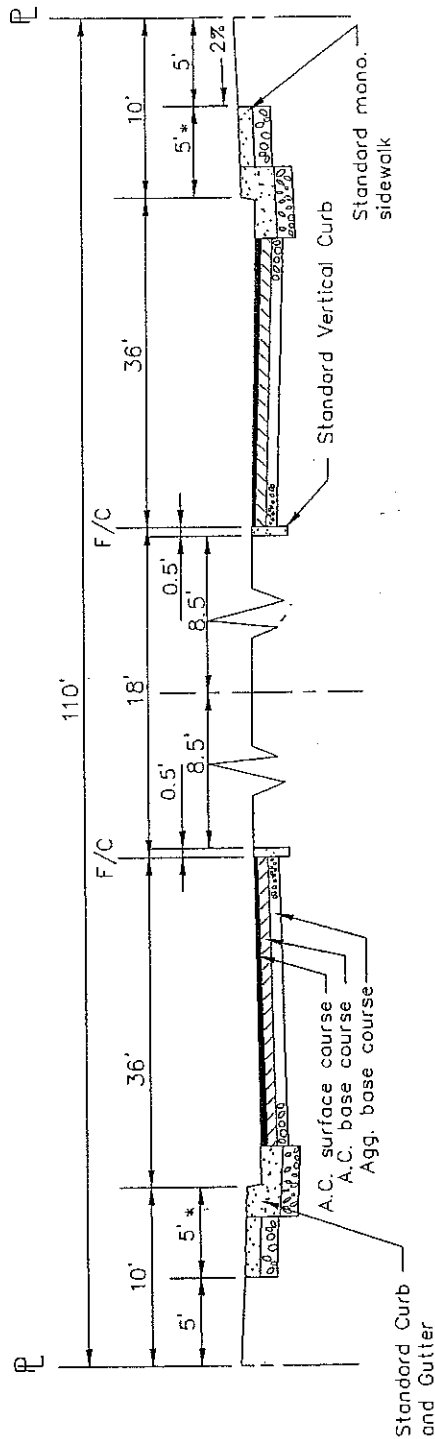
**FRONTAGE ROAD
STANDARD STREET SECTIONS**

Technical drawing of a street cross-section showing dimensions and components. The drawing is oriented vertically with a total width of 130' indicated on the left. Key dimensions and components include:

- Overall Width:** 130'
- Left Side Components (from left edge):**
 - Standard Curb and Gutter: 3'
 - Agg. base course: 5'
 - A.C. base course: 8'
 - A.C. surface course: 8'
- Central Components (from left curb line):**
 - Standard Vertical Curb: 49'
 - Standard sidewalk: 16'
 - Standard mono. sidewalk: 49'
- Right Side Components (from right edge):**
 - Standard Curb and Gutter: 3'
 - Agg. base course: 5'
 - A.C. base course: 8'
 - A.C. surface course: 8'
- Other Dimensions:**
 - 0.5' and 7.5' dimensions are shown for the central sidewalk area.
 - 2% slope is indicated for the right side.

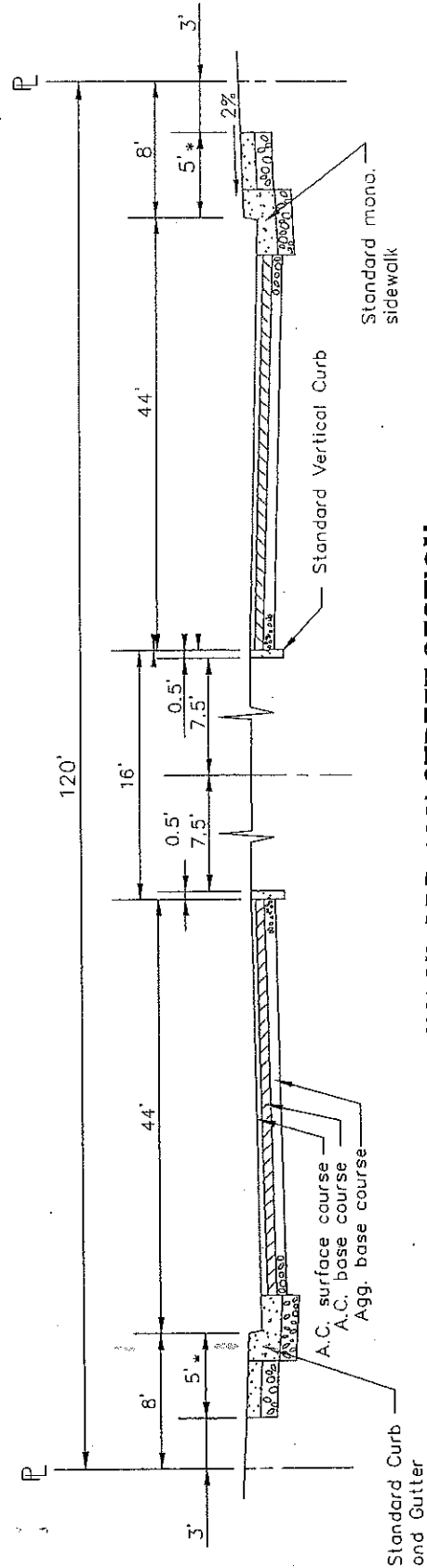
Plan view of a 10' wide road section. The total width is 10'. The section is divided into three main areas from left to right: a 5' wide area, a 2' wide area, and a 3' wide area. The 5' wide area contains a 1' wide lane and a 4' wide shoulder. The 2' wide area contains a 1' wide lane and a 1' wide shoulder. The 3' wide area contains a 1' wide lane and a 2' wide shoulder. The road surface is marked with a center line and edge lines. The dimensions are as follows: 10' total width, 5' shoulder, 1' lane, 2' shoulder, 1' lane, 3' shoulder. The road is labeled 'Standard Curb and Gutter'.

STANDARD 86' STREET SECTION



STANDARD 110' STREET SECTION

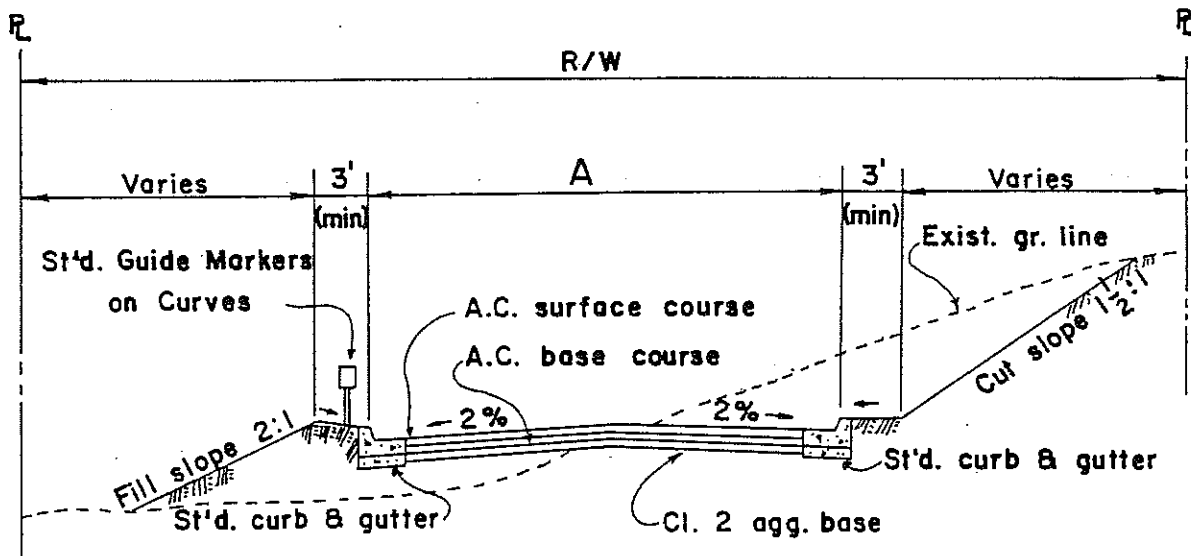
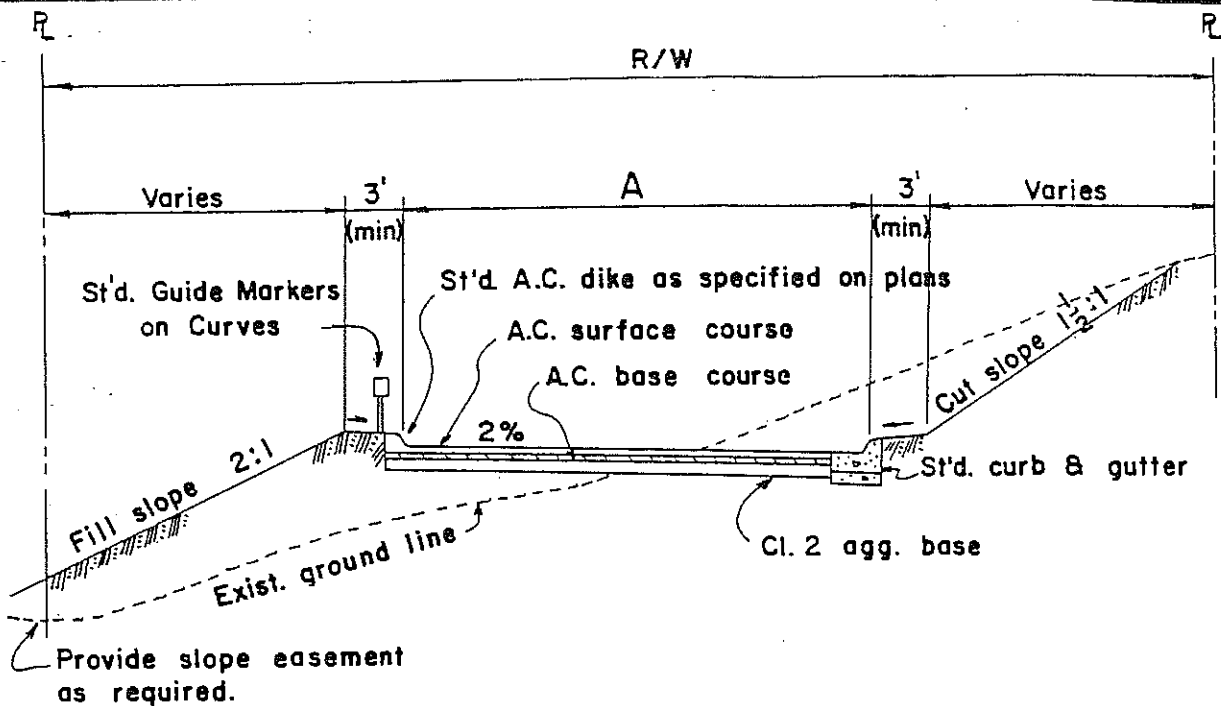
NOTE: Paved section to be designed based on R value and Traffic Index. Min. paving section 2 1/2" A.C. on 8" Class II aggregate base. Traffic Index of greater than 7 shall require cement treated base or deep lift asphalt pavement.



STANDARD 120' STREET SECTION

* 10' Sidewalk may be required for commercial.

STANDARD STREET SECTIONS



NOTE: Paved section to be designed based on R value and Traffic Index.
 Min. paving section 2 1/2" A.C. on 8" class 2 agg. base. Traffic Index of greater than 7 shall require cement treated base or deep lift asphalt pavement.

TYPE	A	R/W
One-way streets	14'	40'
Cul-de-sac 6 Lots or less max. potential	20'	40'
Cul-de-sac & local streets serving more than 6-Lots	24'	50'
Collector Streets	30'	60'
Major Streets	40'	60'

SPECIAL ROADWAY SECTIONS FOR HILLSIDE SUBDIVISIONS

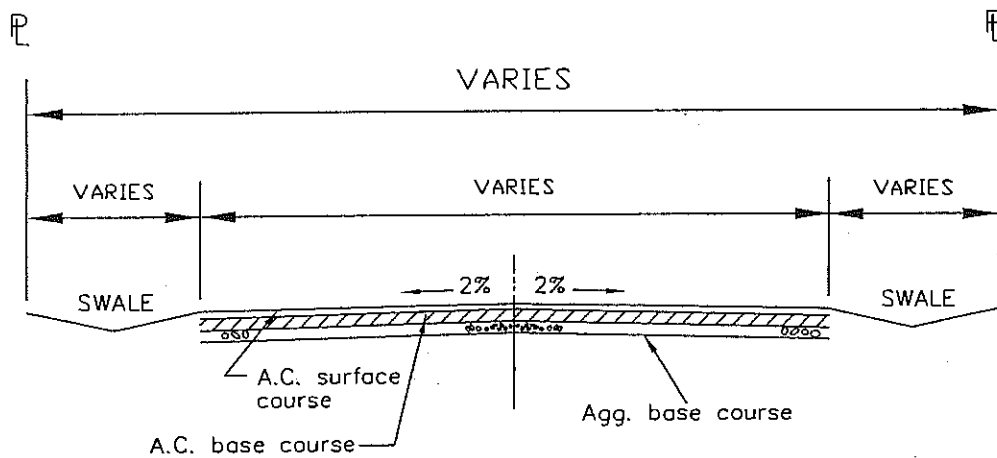
CITY OF CUPERTINO
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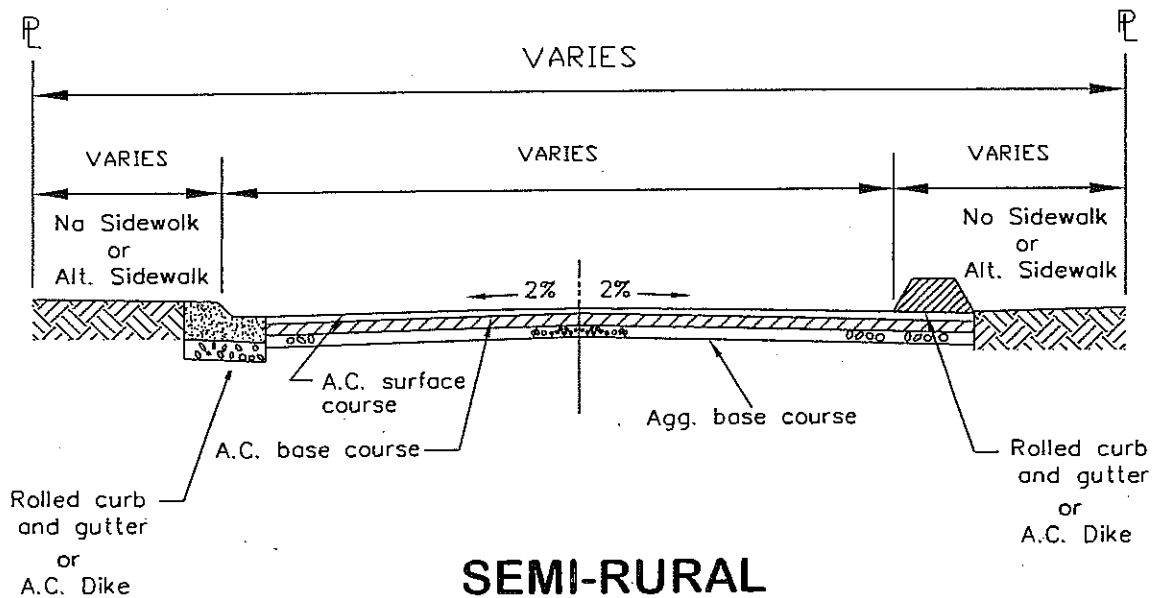
CITY ENGINEER

DATE: 2/10/89

1-10



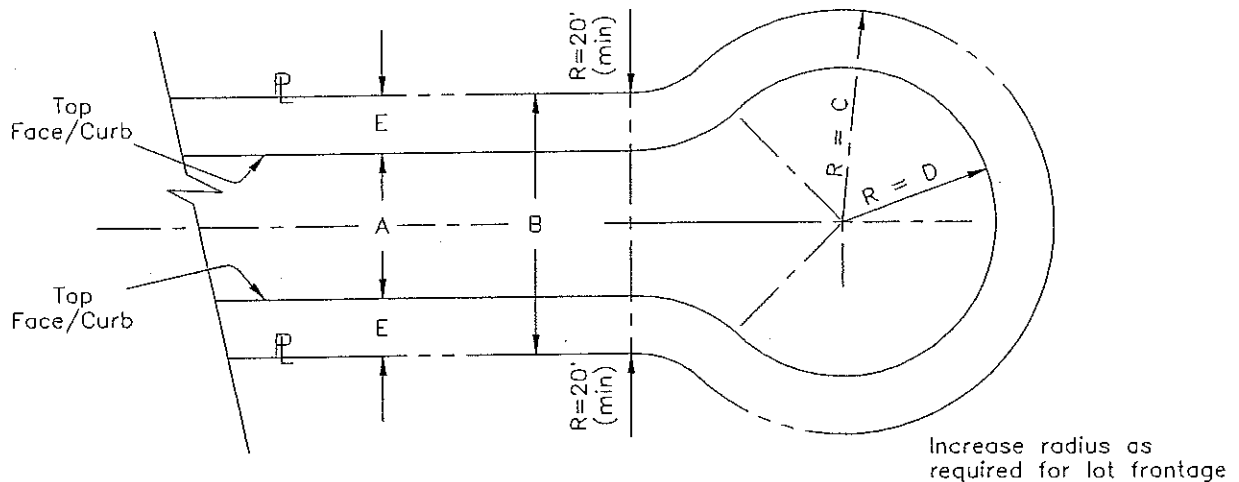
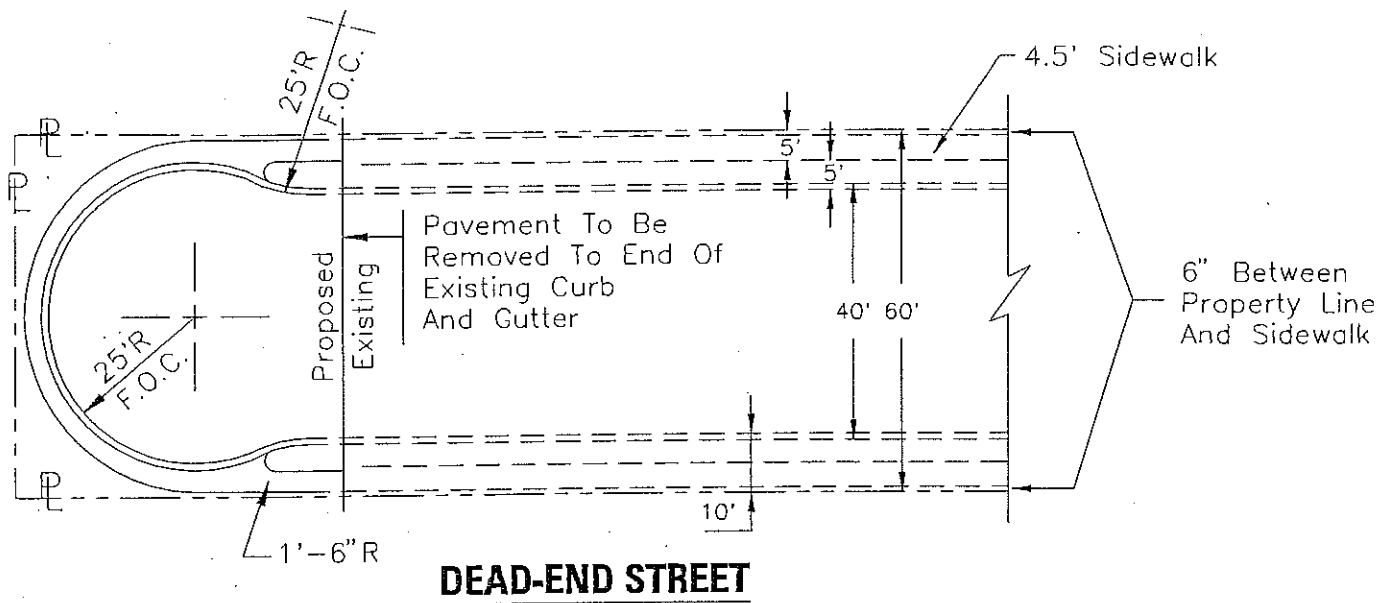
RURAL



SEMI-RURAL

RURAL & SEMI-RURAL STREET SECTIONS

NOTE: Cul-De-Sac for existing dead-end street by approval of City Engineer and City Council.



	A	B	C	D	E
INDUSTRIAL	40'	60'	60'	50'	5'
COMMERCIAL	40'	60'	55'	45'	10'
RESIDENTIAL (PARKING ON ONE SIDE)	28'	48'	46'	36'	10'
RESIDENTIAL (PARKING ON BOTH SIDES)	36'	56'	46'	36'	10'

Min. street section on cul-de-sac may be 2 1/2" A.C.
on 8" Class II A.B. on approval of City Engineer.

CUL - DE - SACS

REVISED 6/9/97

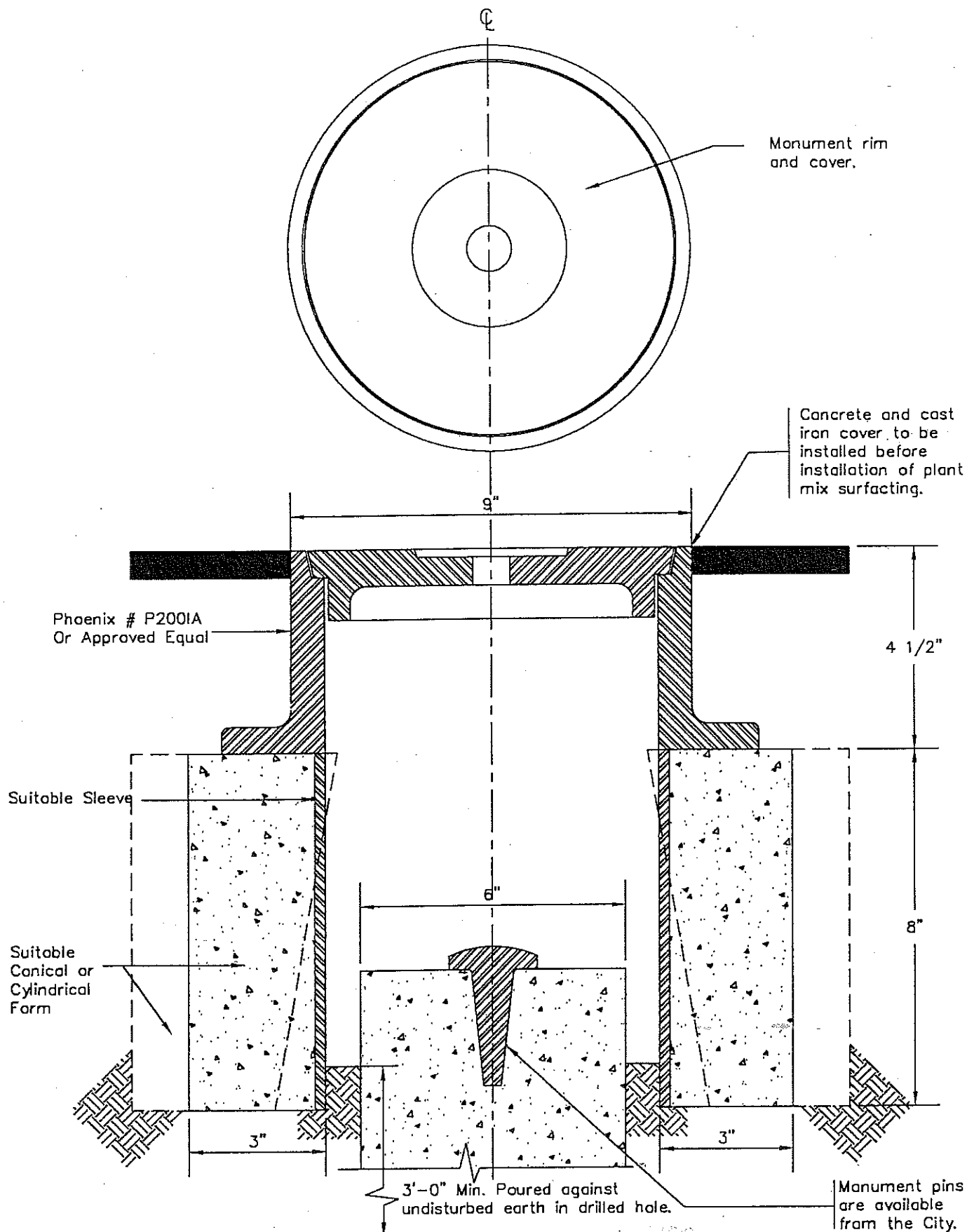
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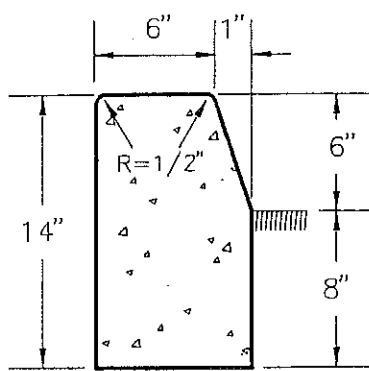
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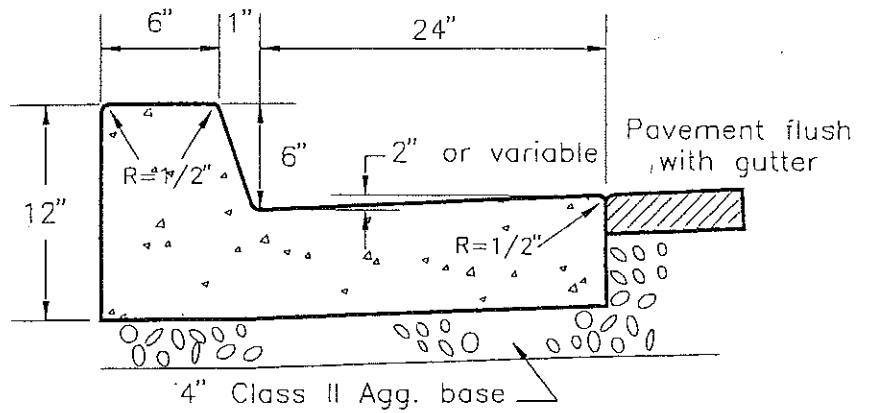
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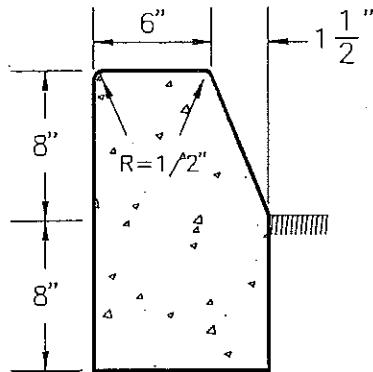
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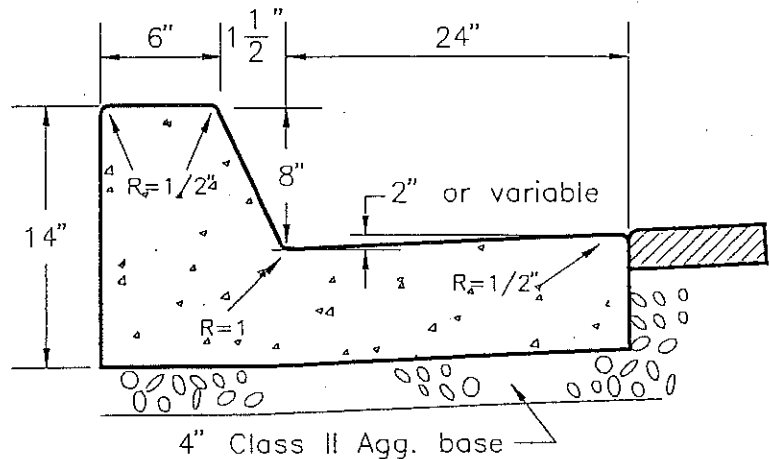
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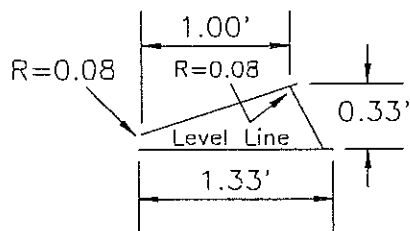
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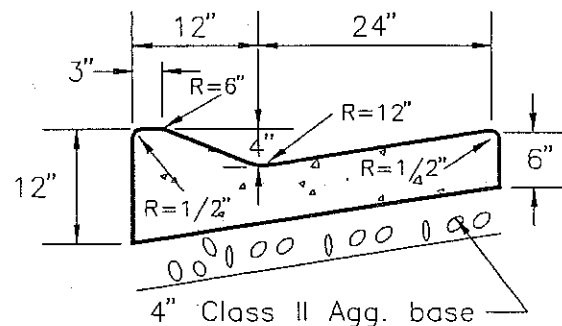
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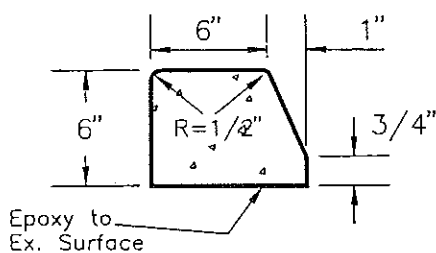
A2-8



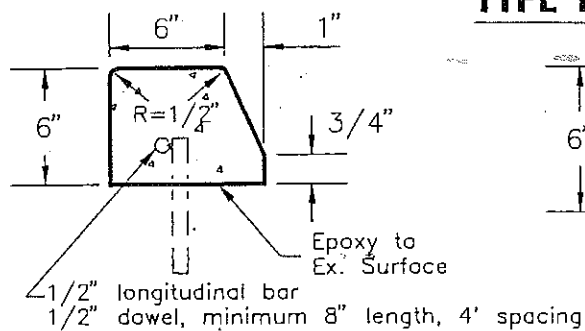
TYPE E (MOUNTABLE DIKE)



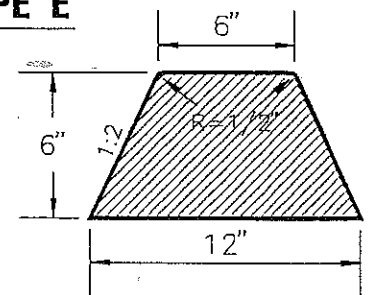
TYPE E



**EXTRUDED CURB
A3-6**



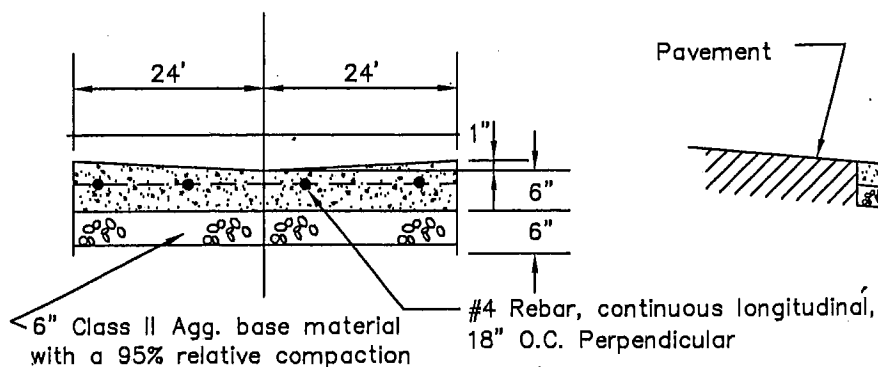
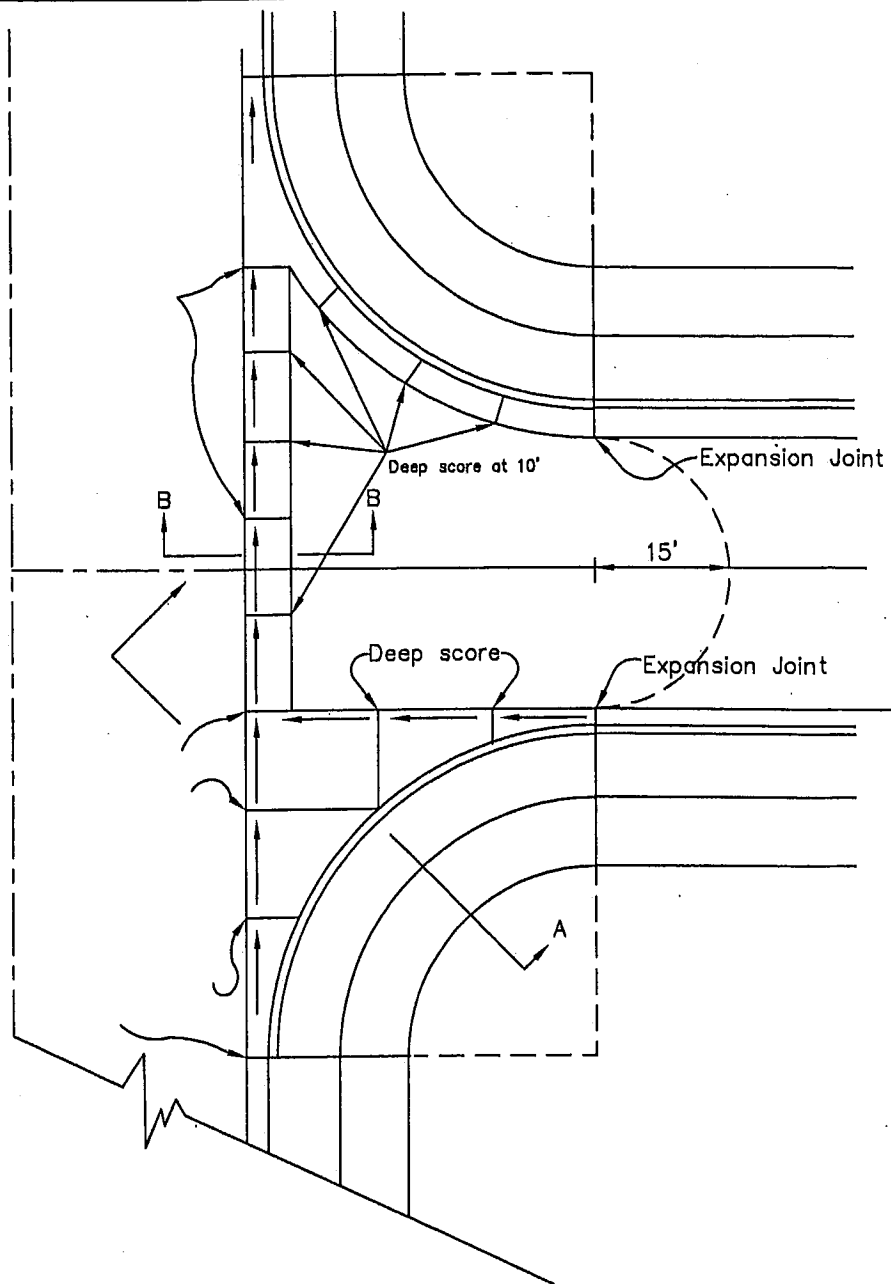
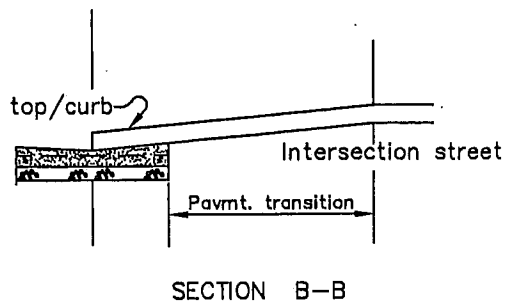
A3-6R



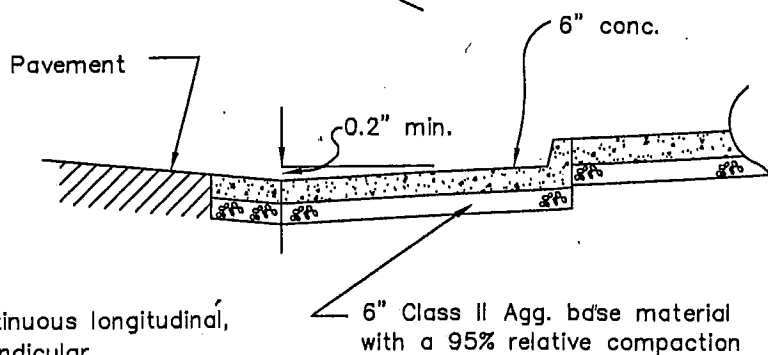
**A.C. DIKE
A3-6D**

STANDARD CURB SECTIONS

REVISED 3/97



TYPICAL SECTION



SECTION A-A

STANDARD VALLEY GUTTER

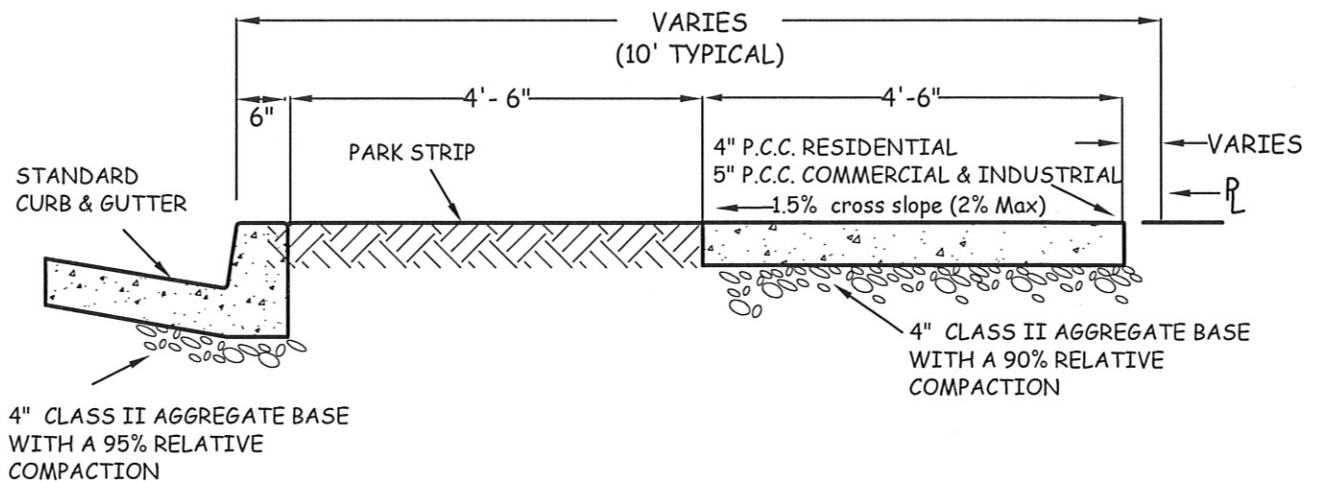
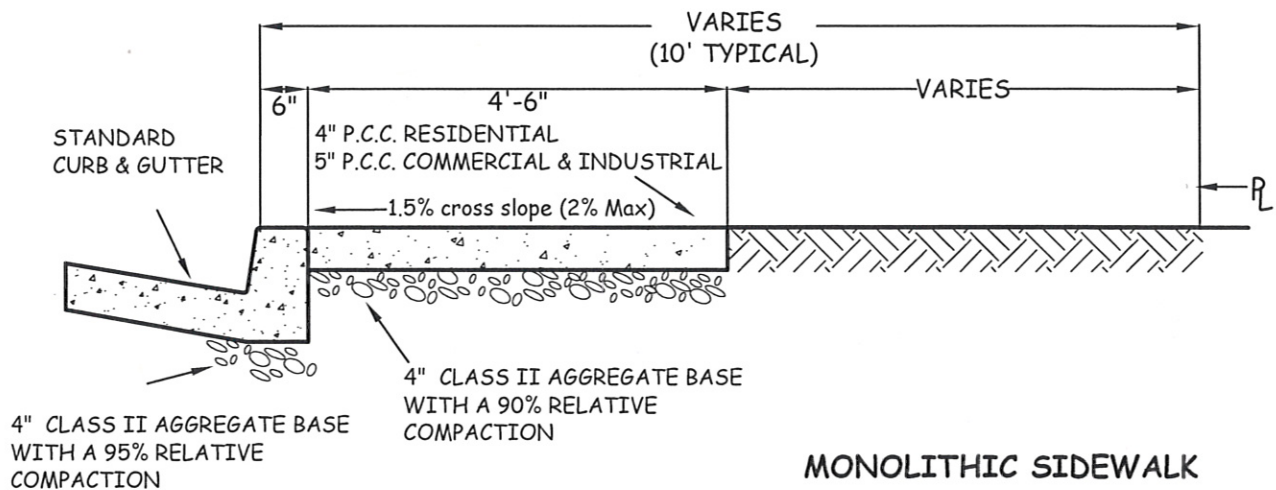
Revised 6/09

CITY OF CUPERTINO
STANDARD DETAILS

APPROVED BY: *Rachana*
CITY ENGINEER

DATE: 6.10.09

1-18



NOTES:

1. Cross slope shall be 1.5% (in no case shall cross slope exceed 2%)
2. Driveway concrete thickness: Residential - 5". Commercial and Industrial - 6" w/ #4 rebar 18" O.C. both ways.
3. One pound of dispersing black shall be mixed with each cubic yard of concrete at the batch plant.
4. Sidewalks, curbs and gutters shall be Class "A" (6 sacks per cubic yard) as per Standard Specification and shall attain a strength 3,000 p.s.i. in 28 days.
5. Sidewalk finish shall be light broom.

SIDEWALK DETAILS

REVISED 6/2016

CITY OF CUPERTINO
STANDARD DETAILS

APPROVED BY:

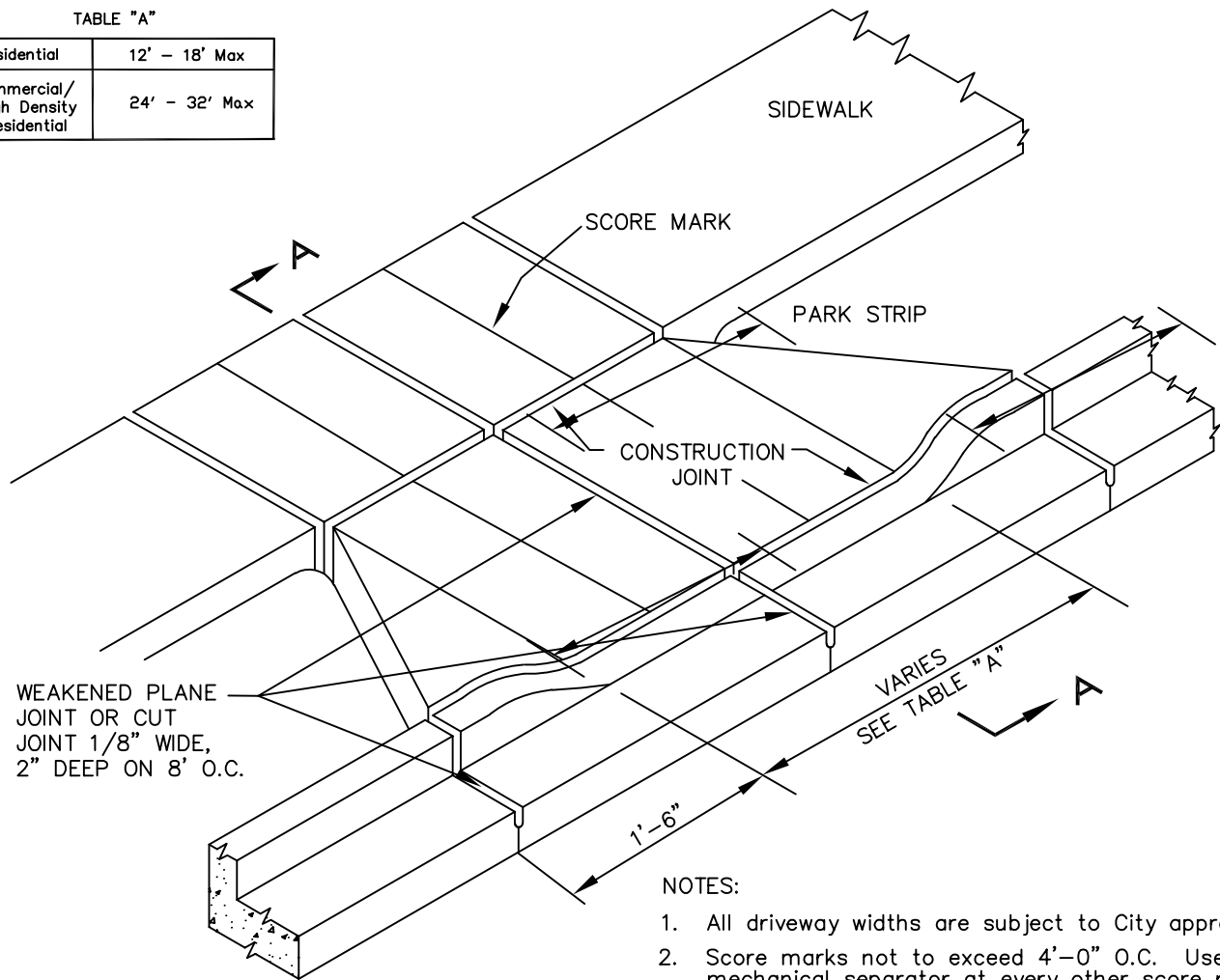
[Signature]
City Engineer

DATE: 6/29/16

1-19

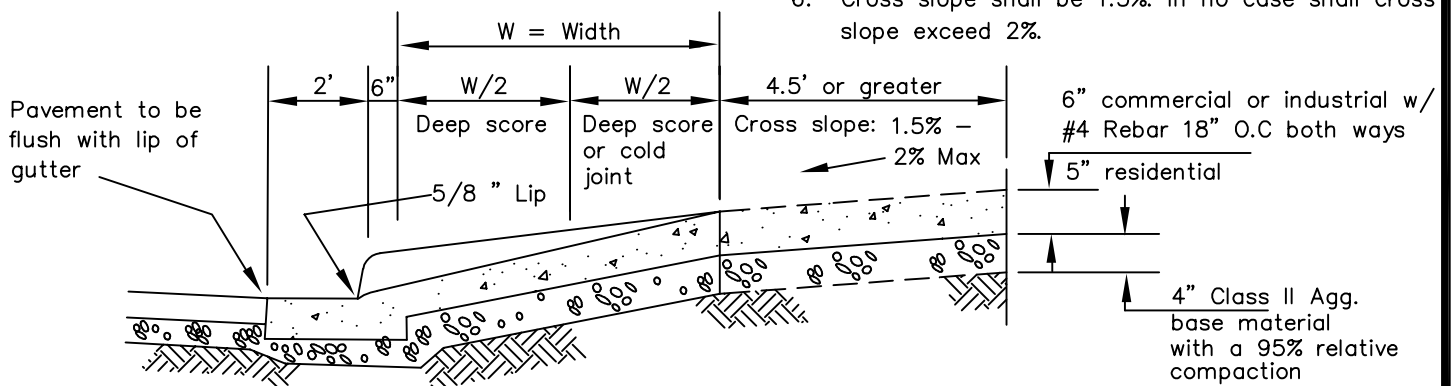
TABLE "A"

Residential	12' - 18' Max
Commercial/ High Density Residential	24' - 32' Max



NOTES:

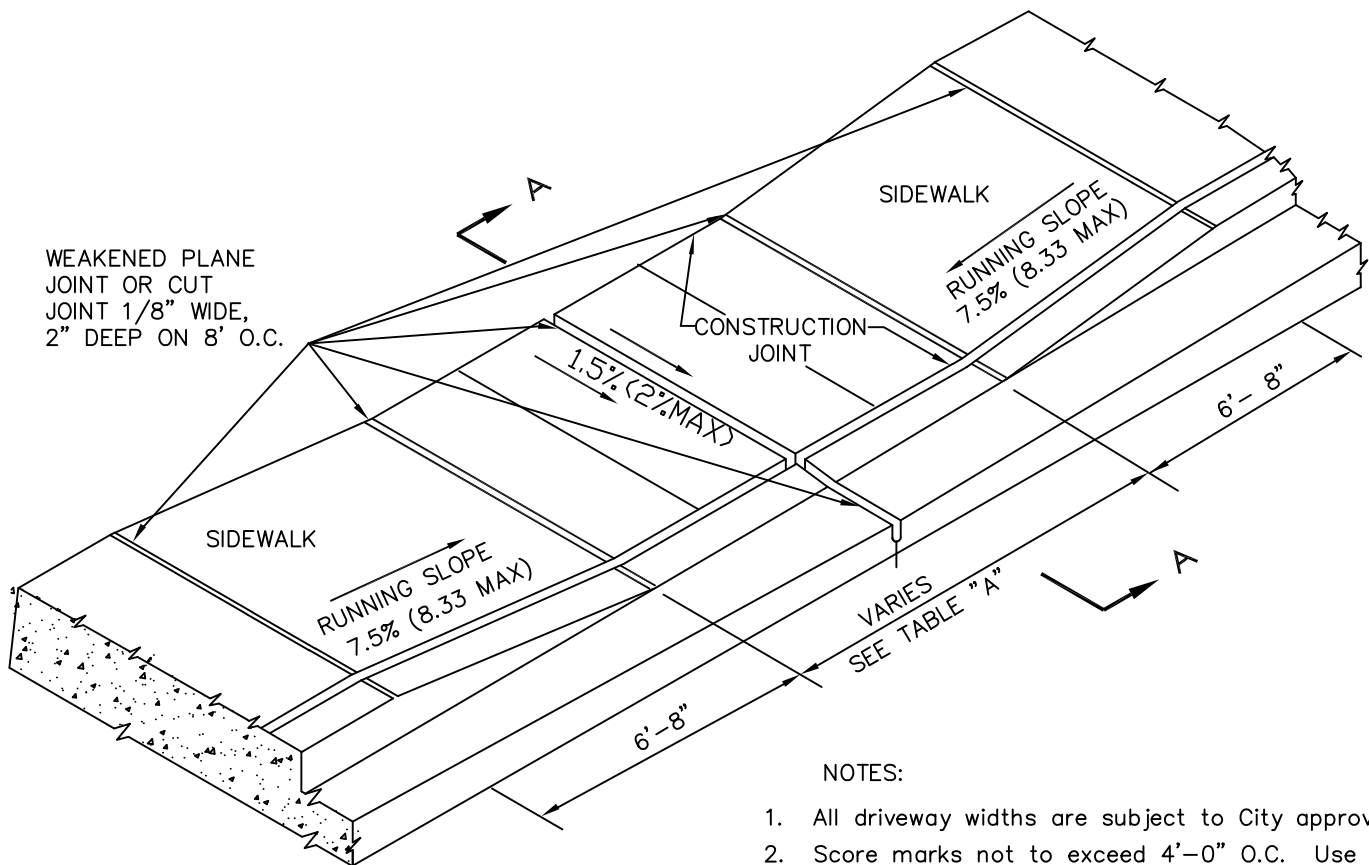
1. All driveway widths are subject to City approval.
2. Score marks not to exceed 4'-0" O.C. Use mechanical separator at every other score mark.
3. Finish to be light broom.
4. Sidewalk to be replaced when new driveway is placed.
5. Edge of driveway shall be a minimum of 4' from property line.
6. Cross slope shall be 1.5%. In no case shall cross slope exceed 2%.

**SECTION A - A****DRIVEWAY DETAIL - DETACHED SIDEWALK**

REVISED 2/2020

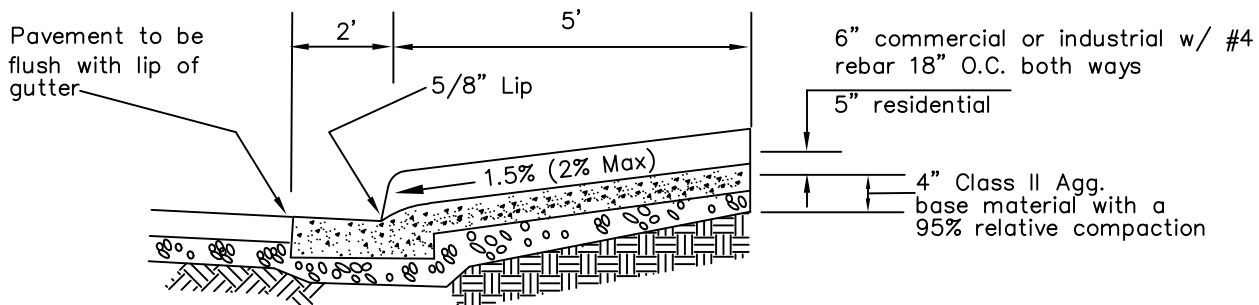
TABLE "A"

Residential	12' - 18' Max
Commercial/ High Density Residential	24' - 32' Max



NOTES:

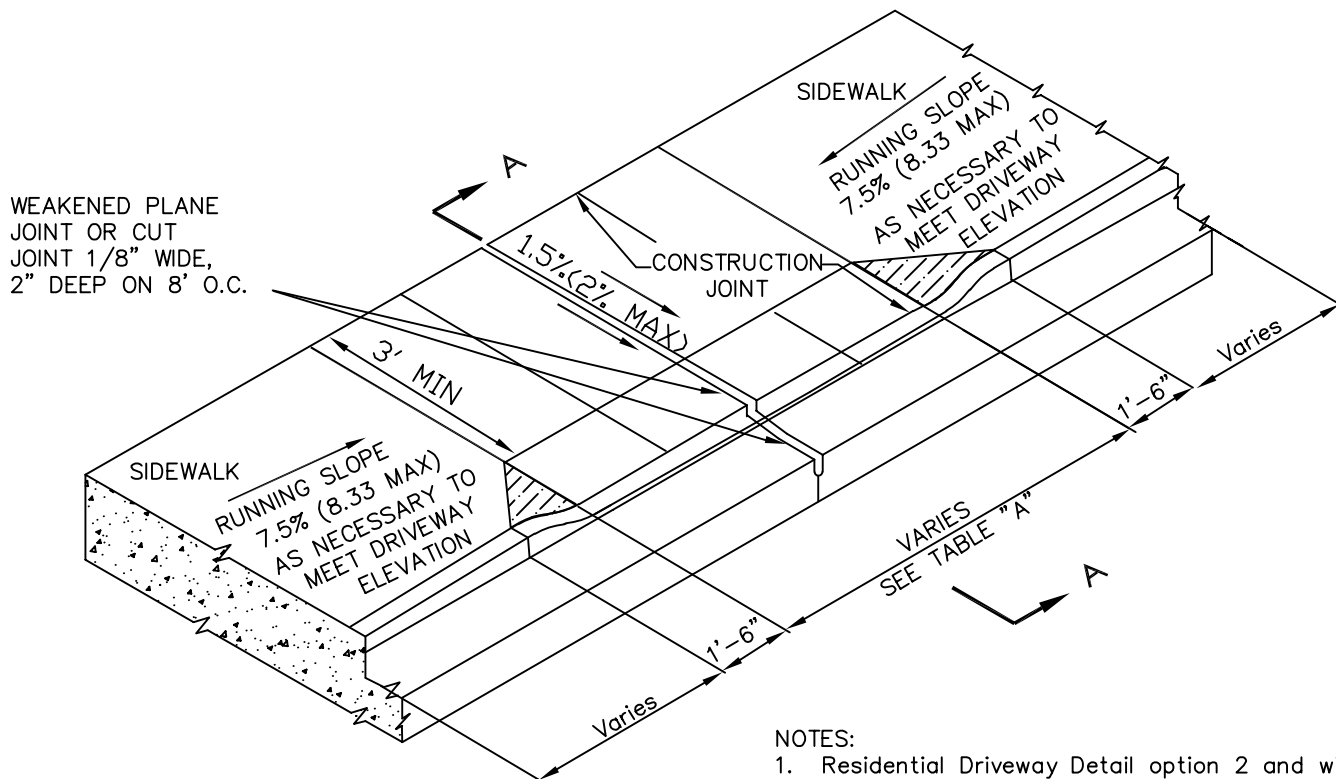
1. All driveway widths are subject to City approval.
2. Score marks not to exceed 4'-0" O.C. Use mechanical separator at every other score mark.
3. Finish to be light broom
4. Sidewalk to be replaced when new driveway is placed.
5. Edge of driveway shall be a minimum of 6'-8" from property line.
6. If on-street parking is permitted, driveway shall be flush with gutter.
7. Running slope shall be 7.5%. In no case shall running slope exceed 8.33%.

**SECTION A - A****DRIVEWAY DETAIL - MONOLITHIC SIDEWALK**

REVISED 2/2020

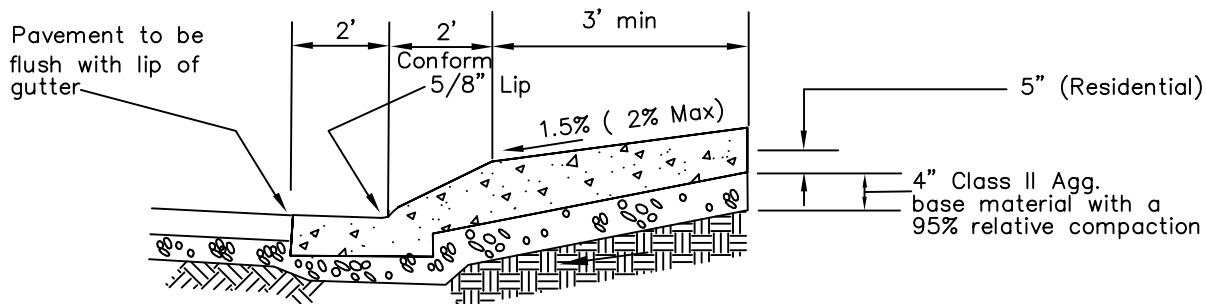
TABLE "A"

Residential	12'-18' Max
-------------	-------------



NOTES:

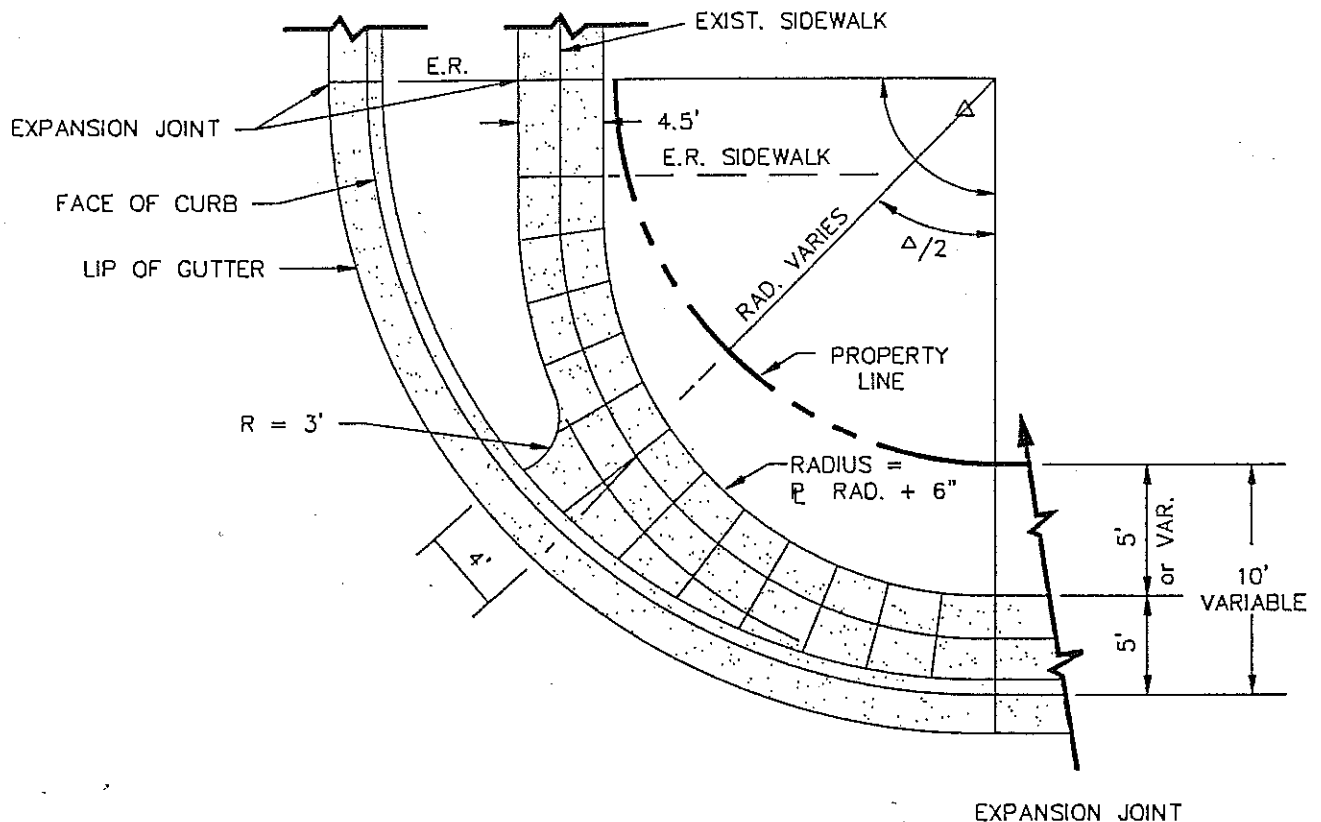
1. Residential Driveway Detail option 2 and width for monolithic sidewalk may be used only with written approval from the City Engineer.
2. Score marks not to exceed 4'-0" O.C. Use mechanical separator at every other score mark.
3. Finish to be light broom
4. Sidewalk to be replaced when new driveway is placed.
5. Edge of driveway shall be a minimum of 4' from property line.
6. Running slope shall be 7.5%. In no case shall running slope exceed 8.33%.



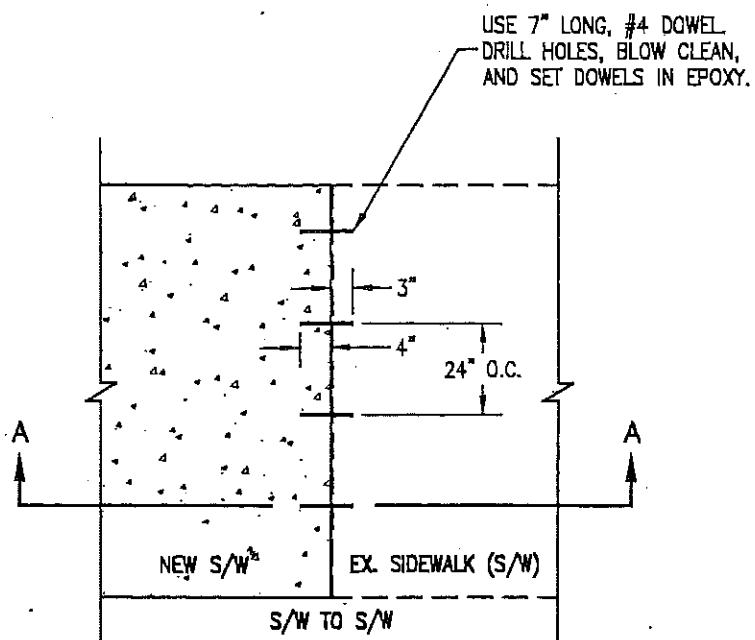
SECTION A - A

DRIVEWAY DETAIL - MONOLITHIC SIDEWALK OPTION 2 (For Residential Only)

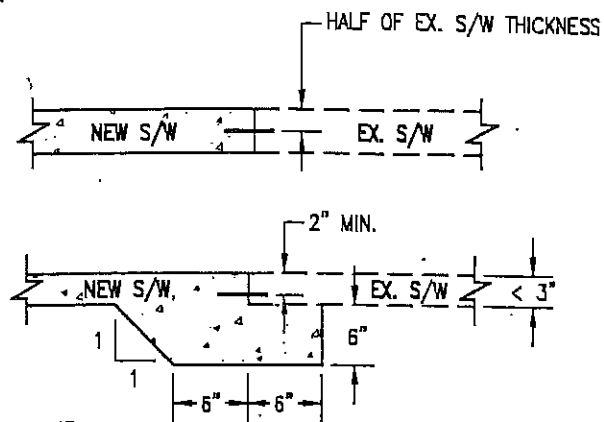
REVISED 2/2020



SIDEWALK CORNER TRANSITION
FROM EXISTING SIDEWALK W/PLANTER STRIP
TO NEW MONOLITHIC SIDEWALK



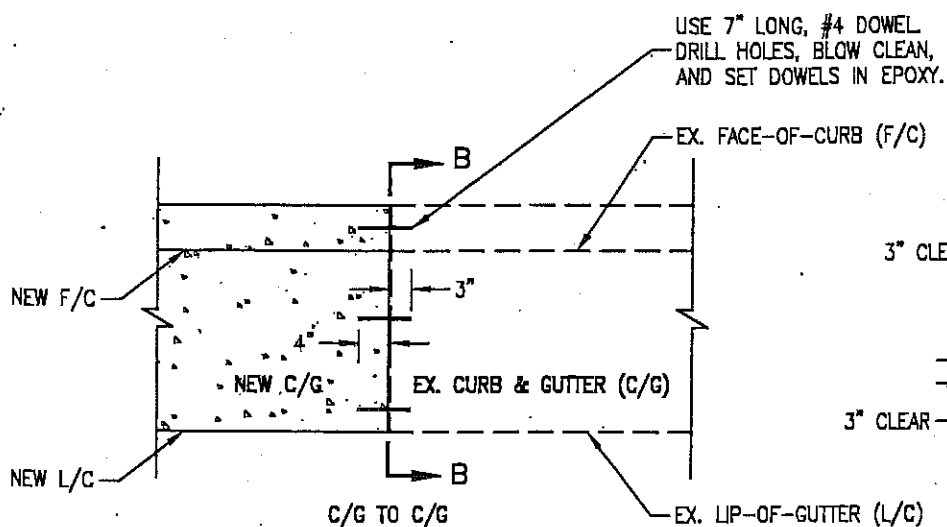
PLAN VIEW
NO SCALE



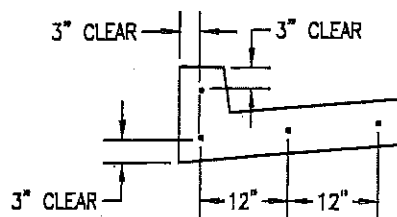
NOTE:

IF EXISTING SIDEWALK IS LESS THAN 3" THICK,
USE 6" DEEP X 12" WIDE P.C.C. KEY WITH
DOWEL CONNECTION.

SECTION A-A
NO SCALE



PLAN VIEW
NO SCALE



SECTION B-B
NO SCALE

DOWEL CONNECTIONS

June 2009

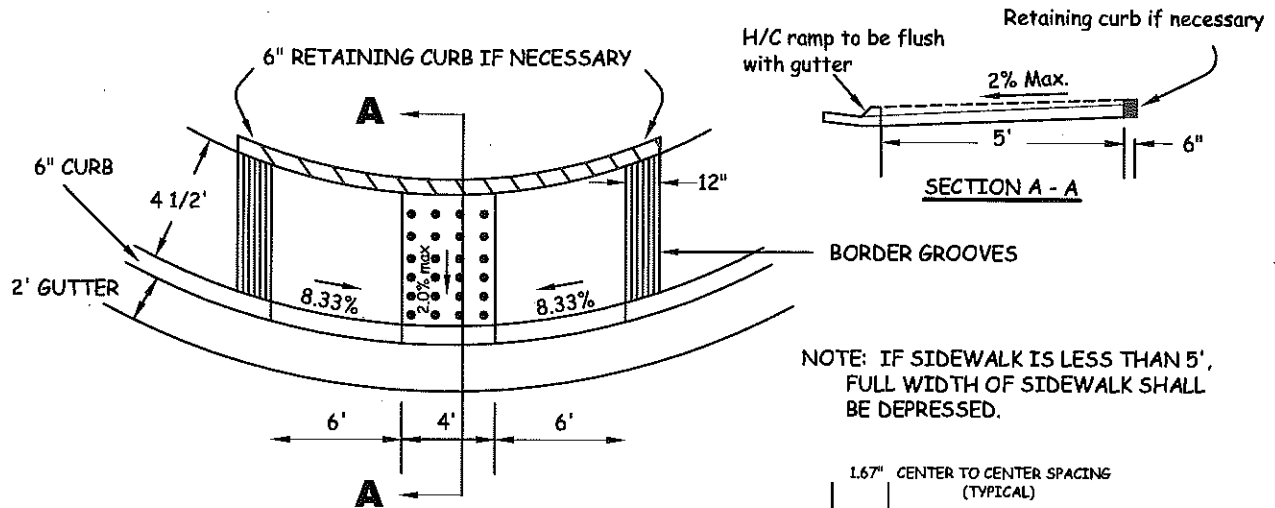
CITY OF CUPERTINO
STANDARD DETAILS

APPROVED BY: *[Signature]*

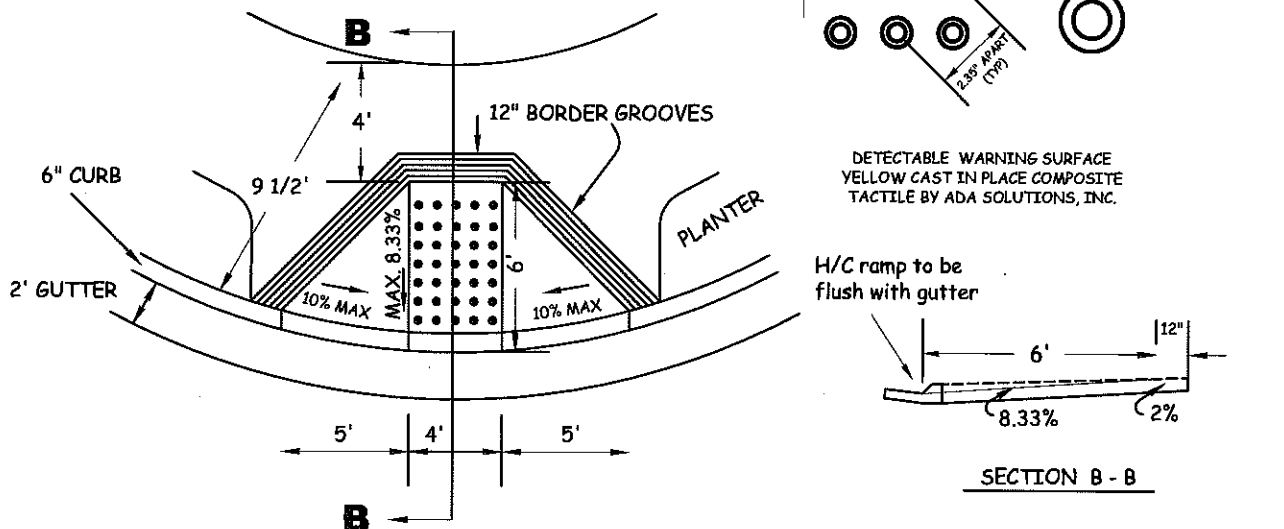
CITY ENGINEER

DATE: *6-10-09*

1-23



CASE A - 5' MONOLITHIC SIDEWALK

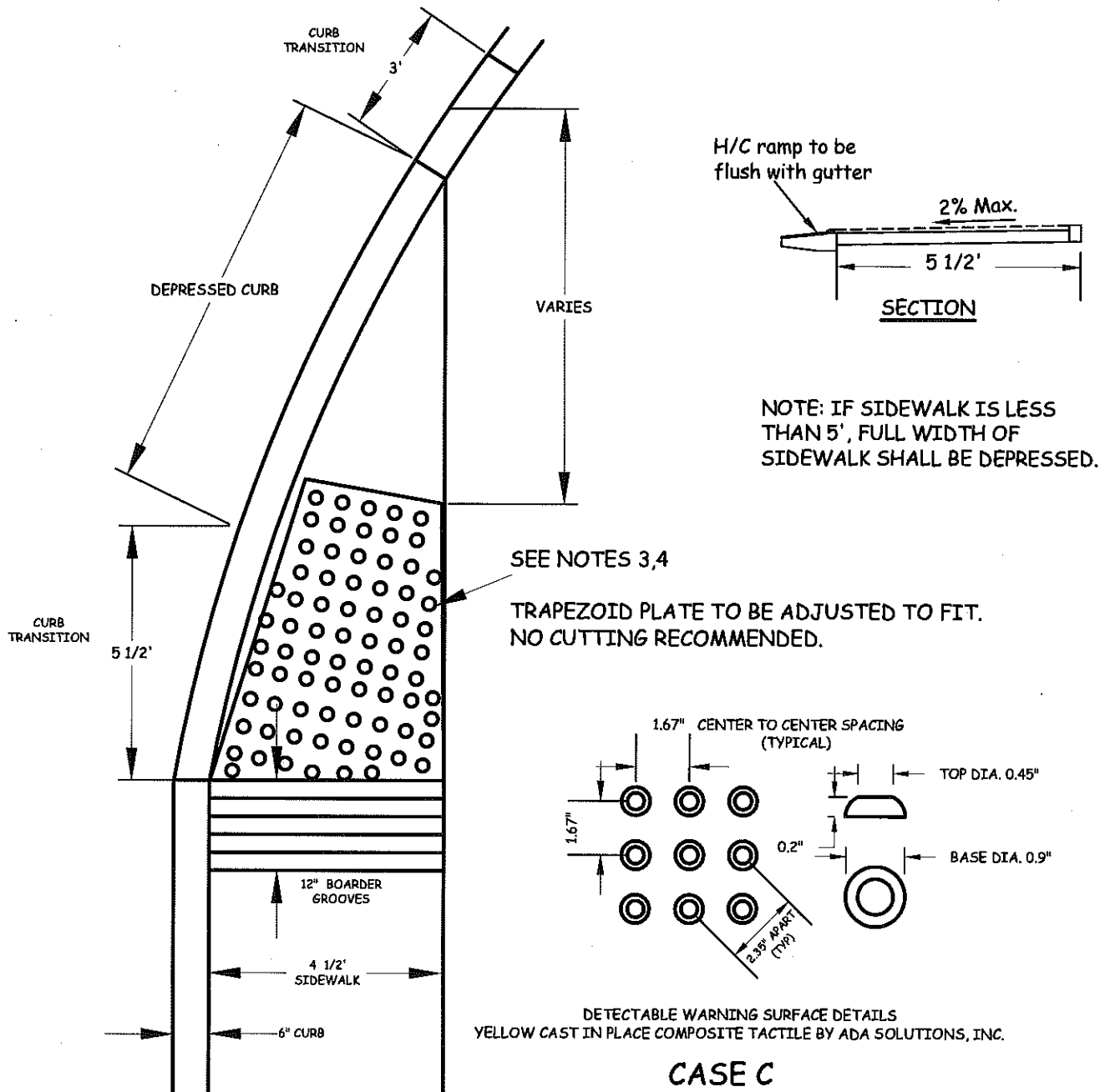


CASE B - DETACHED SIDEWALK OR 10' MONOLITHIC SIDEWALK

NOTES

1. RAMP TO BE MINIMUM 4" P.C.C. ON 3" CLASS 2 AGGREGATE BASE WITH HEAVY BROOM FINISH TRANSVERSE TO AXIS OF RAMP.
2. CURB RAMPS TO BE PLACED MONOLITHICALLY WITH CURB, GUTTER & SIDEWALK
3. CURB RAMPS SHALL HAVE DETECTABLE WARNING SURFACE THAT EXTENDS THE FULL WIDTH AND DEPTH OF THE CURB RAMP. DETECTABLE WARNING SURFACE SHALL CONFORM TO THE DETAILS ON THIS PLAN. USE YELLOW CAST IN PLACE COMPOSITE TACTILE BY ADA SOLUTIONS, INC. OR CITY APPROVED EQUAL. INSTALL PER MANUFACTURERS SPECIFICATION.
4. THE EDGE OF THE DETECTABLE WARNING SURFACE NEAREST THE STREET SHALL BE BETWEEN 6" AND 8" FROM THE GUTTER FLOWLINE
5. CURB RAMP INSTALLATION SHALL COMPLY WITH CALTRANS STANDARD PLAN A88A IF FIELD CONDITIONS DIFFER.

CURB RAMP DETAILS



NOTES

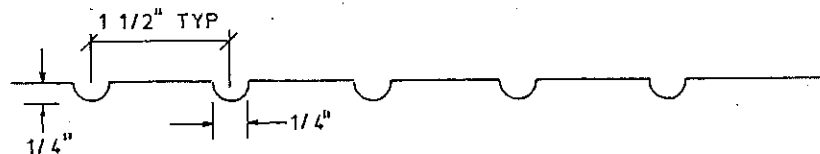
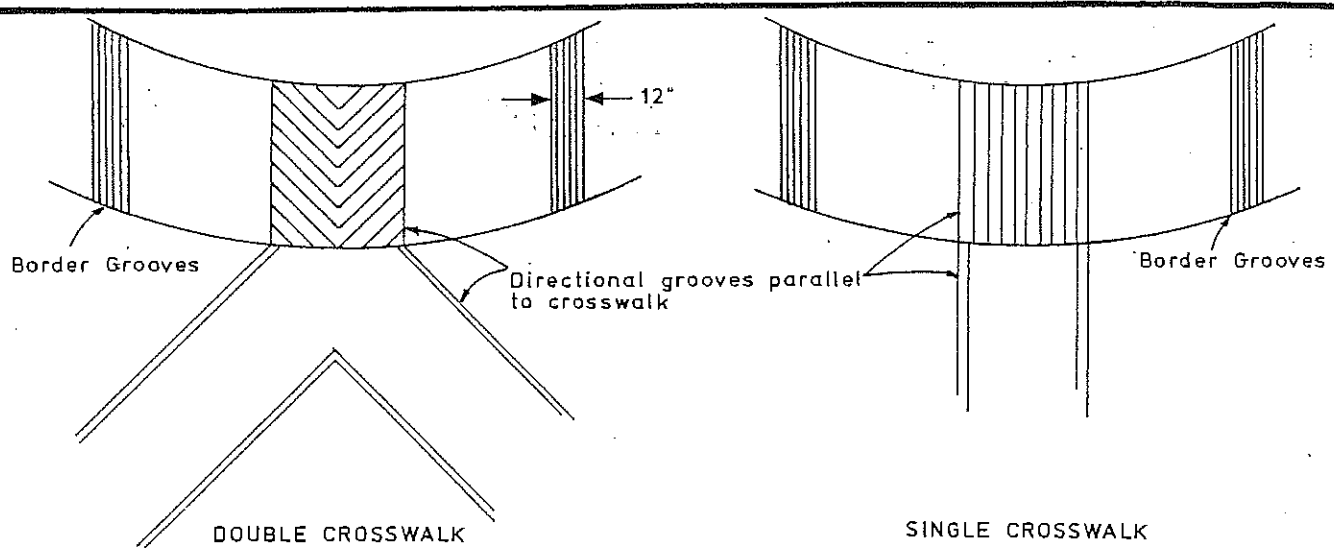
1. RAMP TO BE MINIMUM 4" P.C.C. ON 3" CLASS 2 AGGREGATE BASE WITH HEAVY BROOM FINISH TRANSVERSE TO AXIS OF RAMP.
2. CURB RAMPS TO BE PLACED MONOLITHICALLY WITH CURB, GUTTER & SIDEWALK
3. CURB RAMPS SHALL HAVE DETECTABLE WARNING SURFACE THAT EXTENDS THE FULL WIDTH AND DEPTH OF THE CURB RAMP. DETECTABLE WARNING SURFACE SHALL CONFORM TO THE DETAILS ON THIS PLAN. USE YELLOW CAST-IN-PLACE COMPOSIT TACTILE BY ADA SOLUTIONS, INC. (LARGE TRAPEZOID 36"X24") OR CITY APPROVED EQUAL. INSTALL PER MANUFACTURERS SPECIFICATION.
4. THE EDGE OF THE DETECTABLE WARNING SURFACE NEAREST THE STREET SHALL BE BETWEEN 6" AND 8" FROM THE GUTTER FLOWLINE
5. CURB RAMP INSTALLATION SHALL COMPLY WITH CALTRANS STANDARD PLAN A88A IF FIELD CONDITIONS DIFFER.

CURB RAMP DETAIL

CITY OF CUPERTINO
STANDARD DETAILS

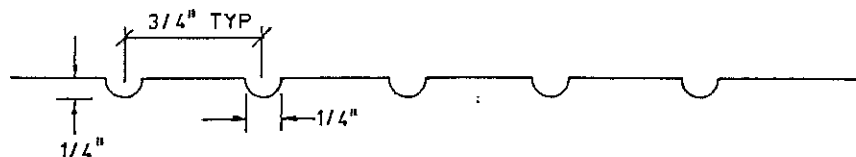
APPROVED BY: *[Signature]* DATE: 7.27.10
City Engineer

1-25



DIRECTIONAL GROOVE DETAIL

THE SURFACE OF EACH CURB RAMP LOCATED IN THE CENTER OF THE CURB RETURN SHALL BE GROOVED PARALLEL TO THE CENTERLINE OF THE CROSSWALKS TYPICALLY IN TWO DIRECTIONS WITH 1/4 INCH X 1/4 INCH (6.35mm X 6.35mm) GROOVES 1 1/2 INCHES (38.1mm) ON CENTER. WHERE ONLY ONE CROSSWALK EXISTS, RAMP SHALL BE GROOVED IN ONE DIRECTION ONLY, PARALLEL WITH THE EXISTING CROSSWALK.



BORDER GROOVE DETAIL

ALL CURB RAMPS SHALL HAVE A GROOVED BORDER 12 INCHES (304.8mm) WIDE AT THE LEVEL SURFACE OF THE SIDEWALK ALONG THE TOP AND EACH SIDE 3/4 INCH (19.05mm) ON CENTER.

HANDICAP RAMP DETAILS

**CITY OF CUPERTINO
STANDARD DETAILS**

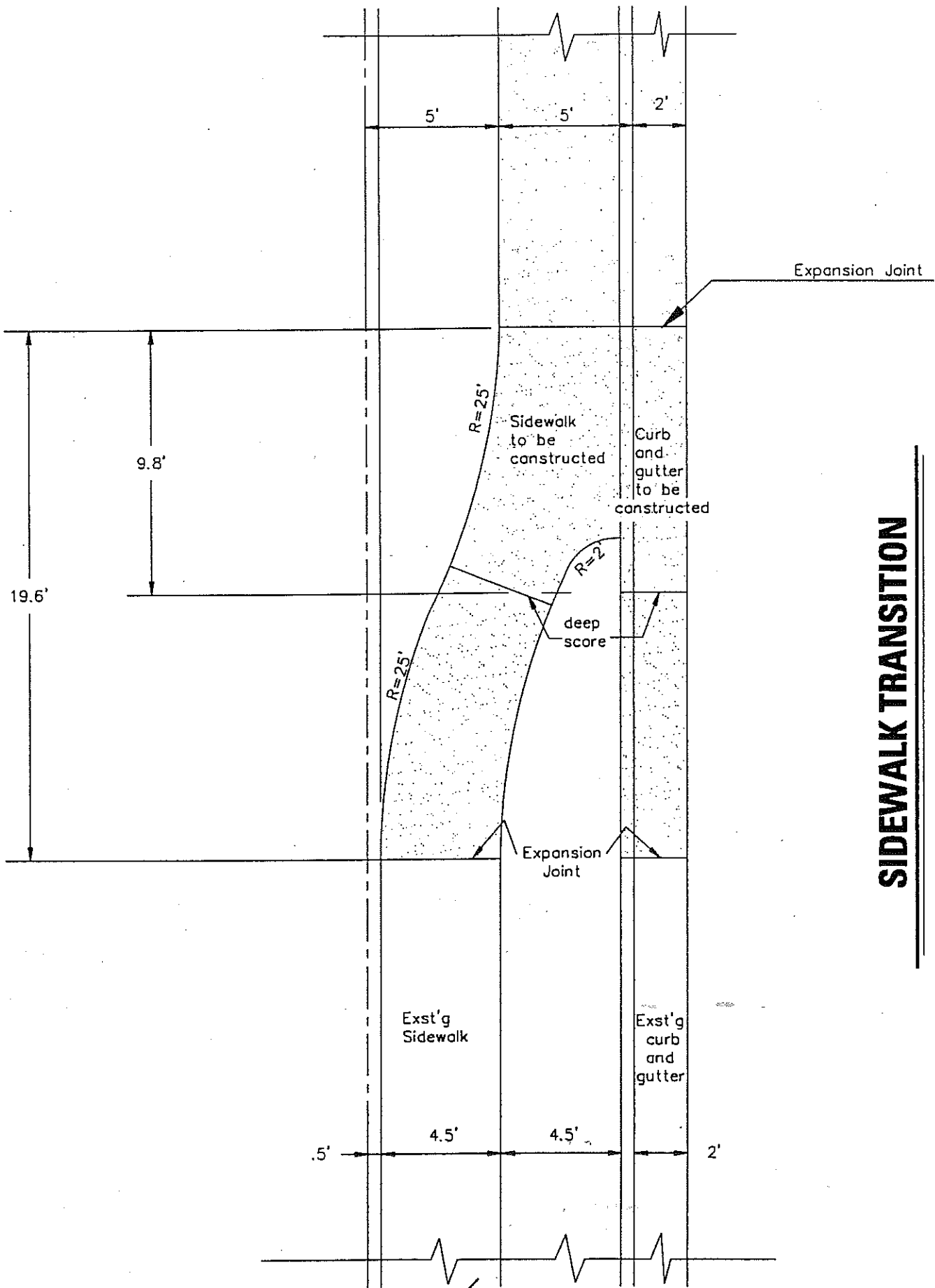
APPROVED BY:

CITY ENGINEER

DATE:

6/29/87

1-26

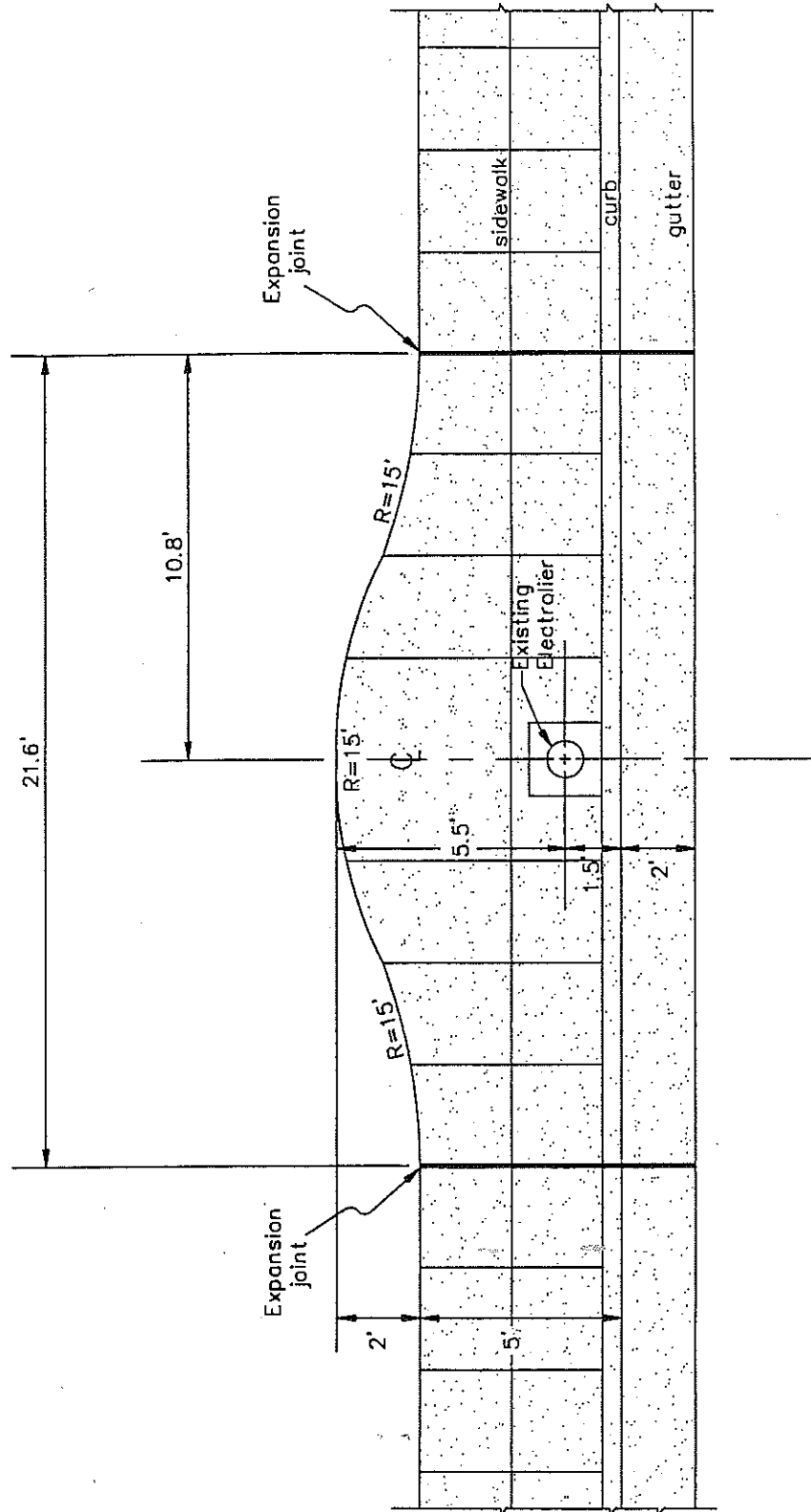


SIDEWALK TRANSITION

SIDEWALK TRANSITION AROUND EXISTING ELECTROLIER

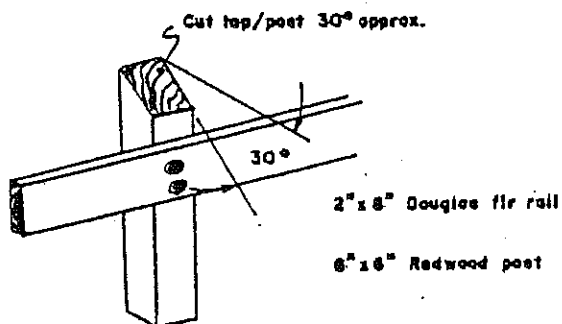
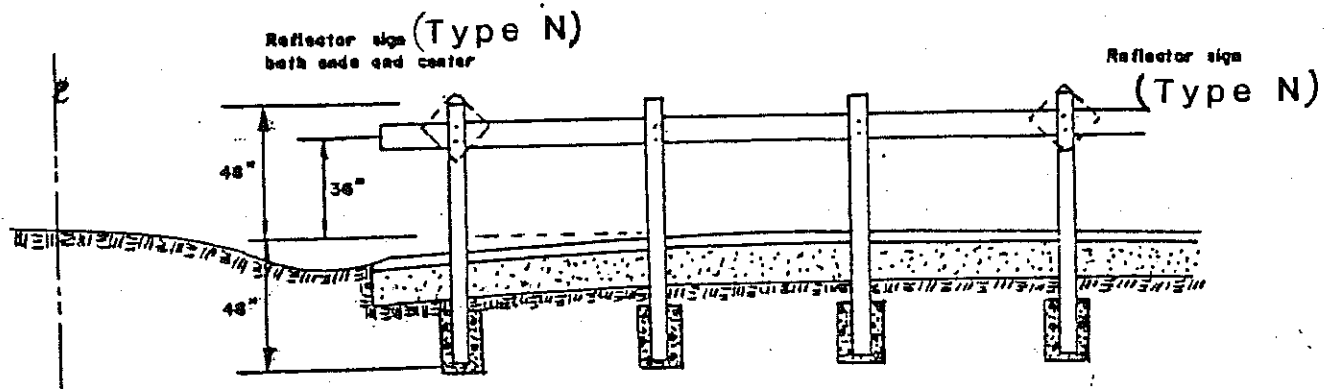
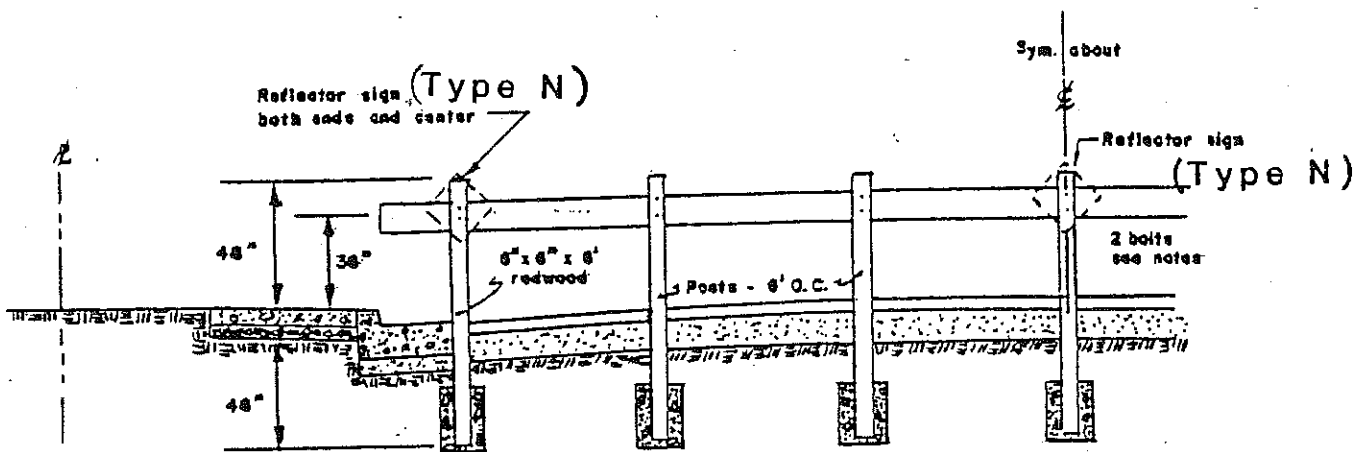
FIRE HYDRANT, UTILITY POLE, OR OTHER

OBSTRUCTIONS





- ## CIRCULAR DRIVEWAY DETAIL



DETAIL

NOTES

1. Rails fastened to posts with 5/8" galv. machine bolts and cast-iron washer
2. Posts shall be cut as per detail
3. Place W21-R reflector signs as shown.
4. Barricades shall be primed and painted with two coats of standard exterior white paint
5. Barricades to be extended over sidewalk as required by engineer.

STANDARD STREET BARRICADE

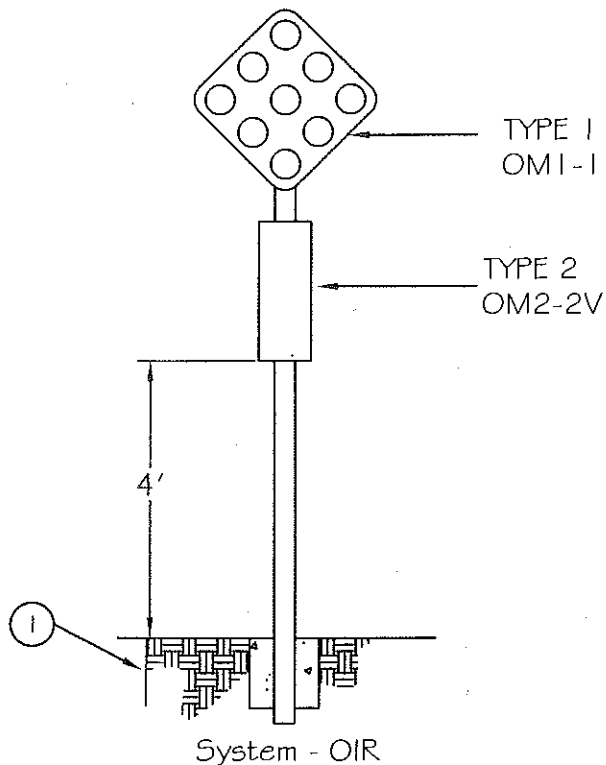
CITY OF CUPERTINO
STANDARD DETAILS

APPROVED BY :

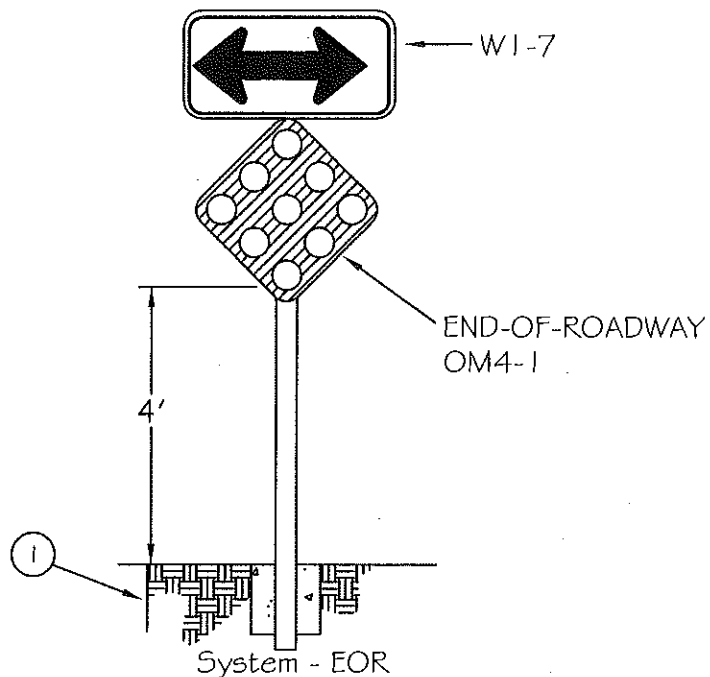
CITY ENGINEER

DATE : 2/10/89

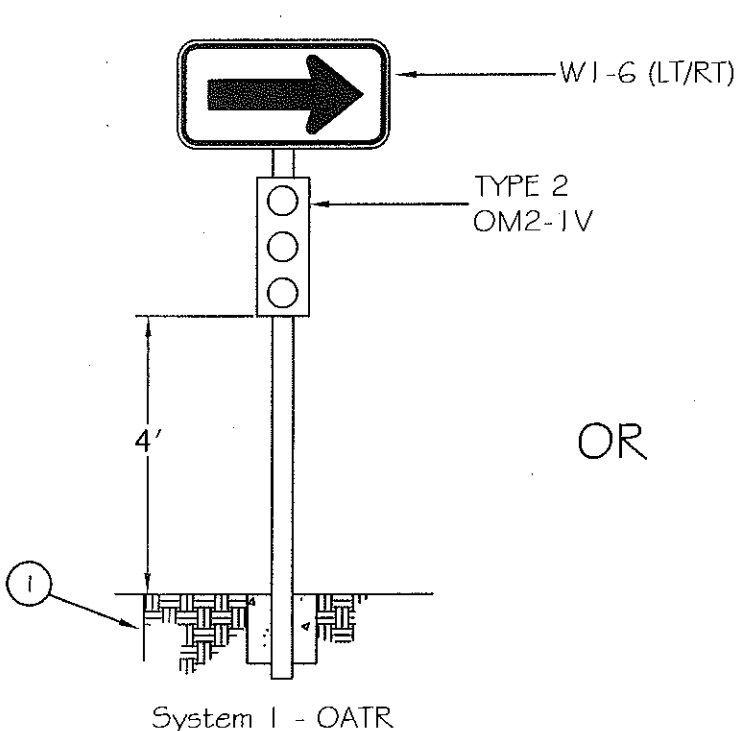
2-2



System - OIR
MARKING FOR OBJECTS IN ROADWAY

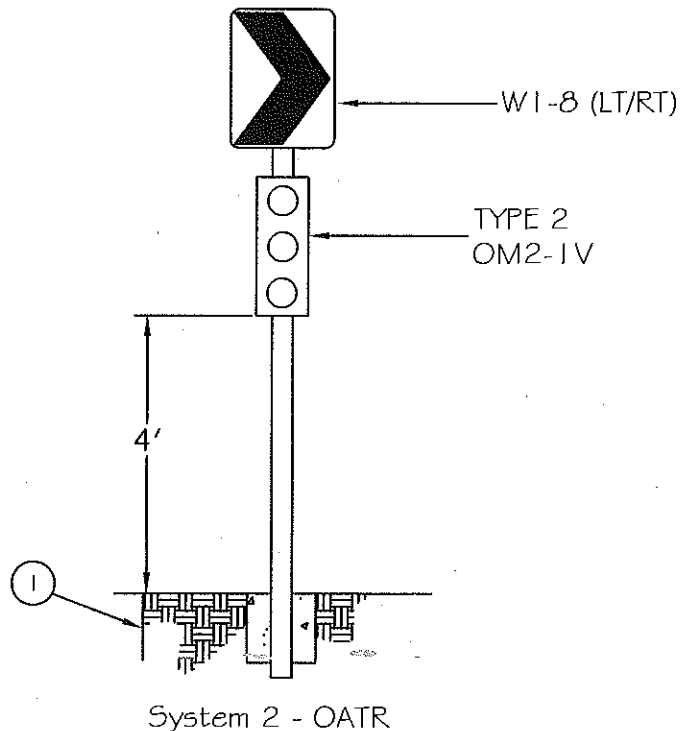


System - EOR
MARKING FOR END-OF-ROADWAY
TOP OF T-INTERSECTIONS



System 1 - OATR

OR



System 2 - OATR

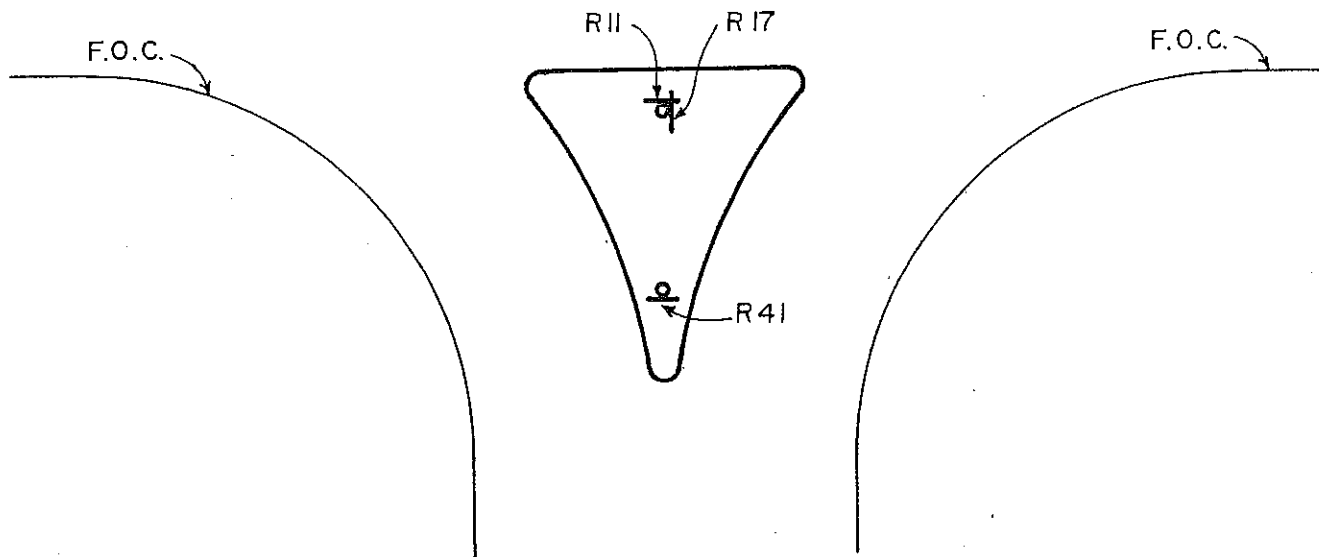
MARKING FOR OBJECTS ADJACENT TO ROADWAY

NOTES:

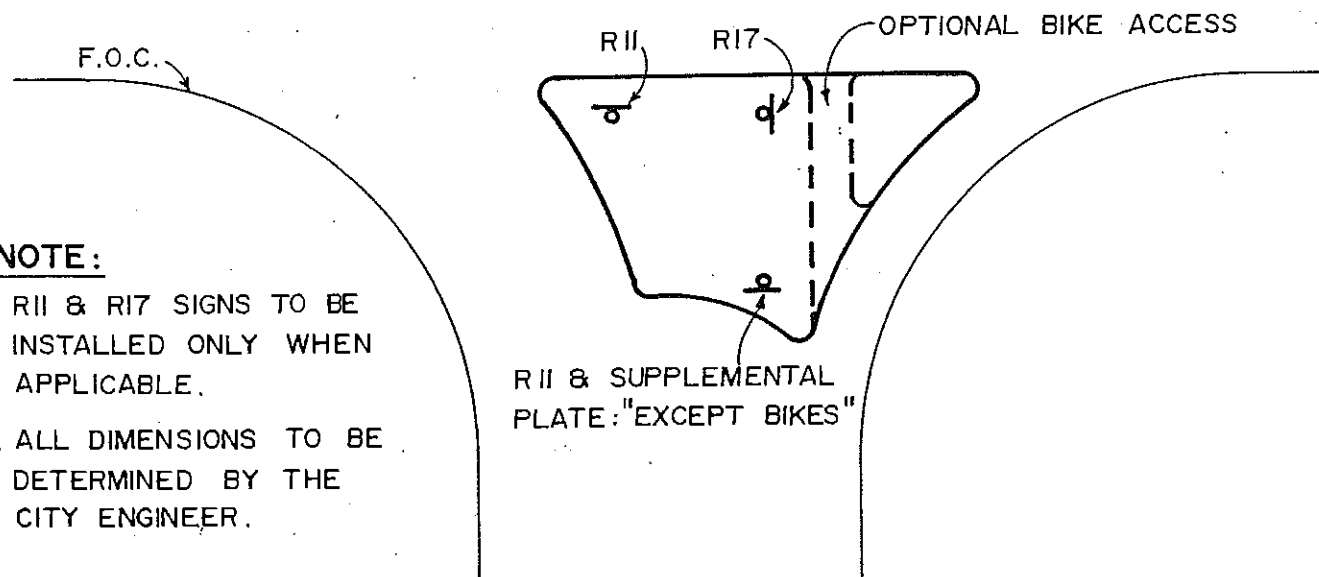
① SEE CITY STANDARD DETAIL 2-20 POST & FOUNDATION.

SIGN CODING IS MUTCD 2003# CALIF SUPPLEMENT AND SUBSEQUENTIAL REVISIONS.

OBJECT MARKING DETAIL



RIGHT TURN IN & OUT

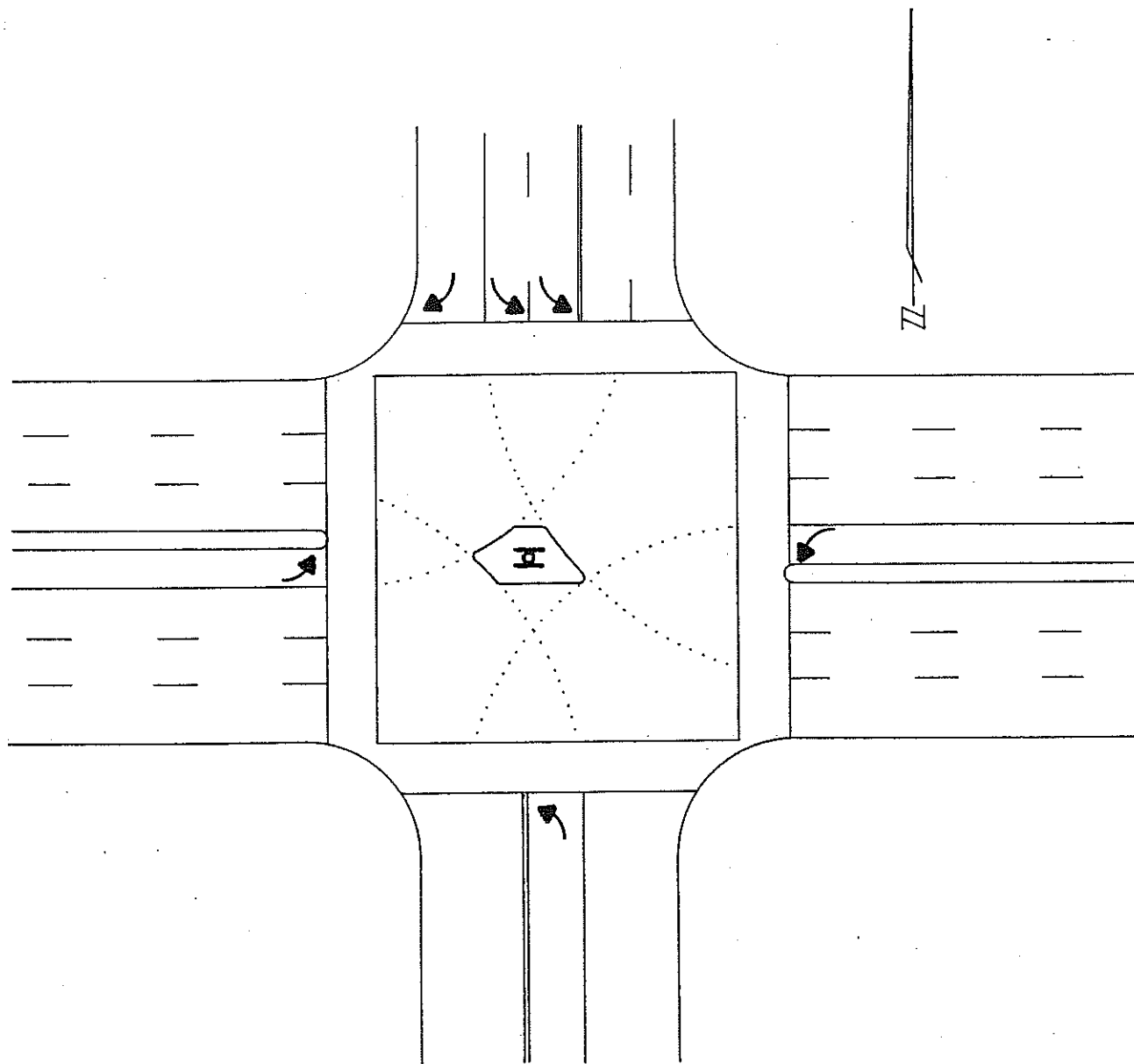


RIGHT TURN IN

NOTE:

1. R11 & R17 SIGNS TO BE INSTALLED ONLY WHEN APPLICABLE.
2. ALL DIMENSIONS TO BE DETERMINED BY THE CITY ENGINEER.

ACCESS CONTROL ISLANDS



NOTE: THIS SKETCH ILLUSTRATES THROUGH MOVEMENT PROHIBITED FROM NORTH TO SOUTH, AND IS NOT TYPICAL OF ALL LOCATIONS. OTHER MOVEMENT CONTROLS REQUIRE DIFFERENT ISLAND CONFIGURATIONS.

THROUGH MOVEMENT CONTROL ISLAND

CITY OF CUPERTINO
STANDARD DETAILS

APPROVED BY:

CITY ENGINEER

DATE: 8-14-89

2-18

SEE CITY STD.
DETAIL 2-22
FOR STREET
NAME SIGNING

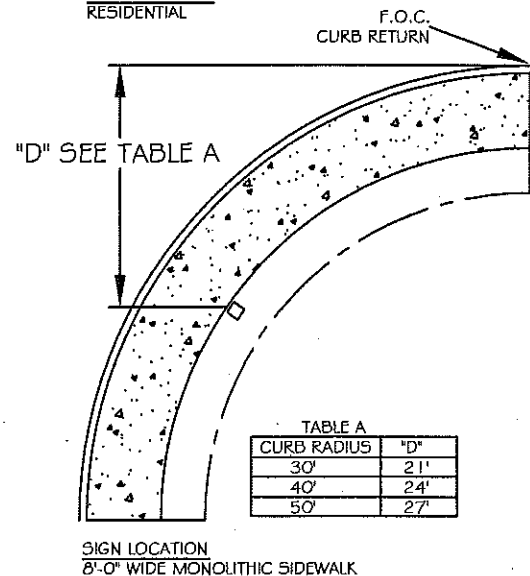
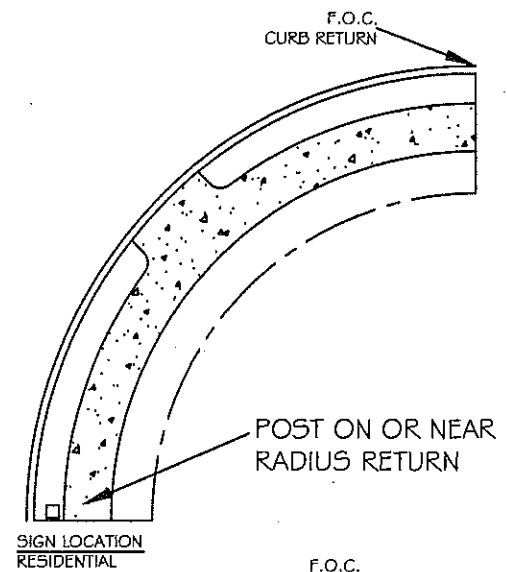
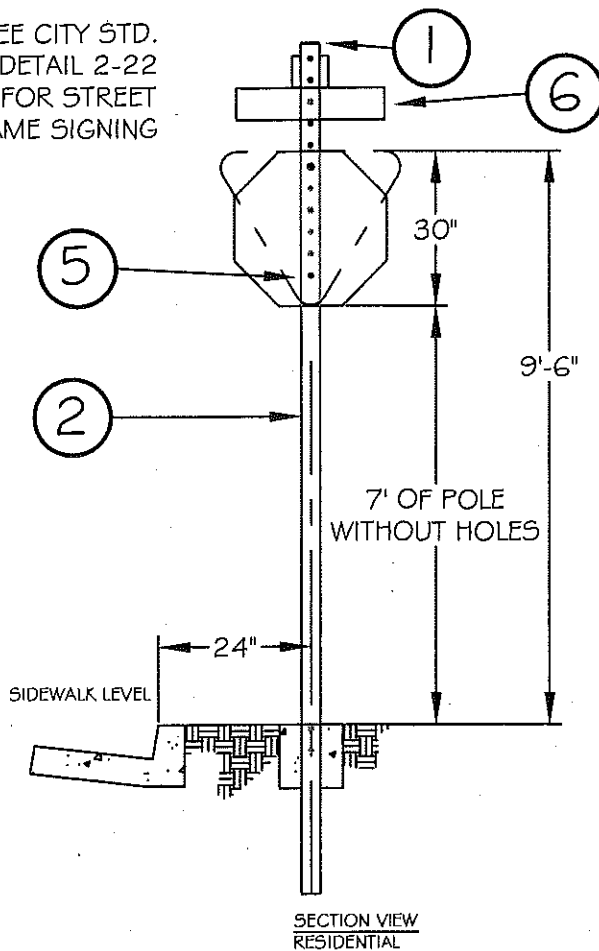
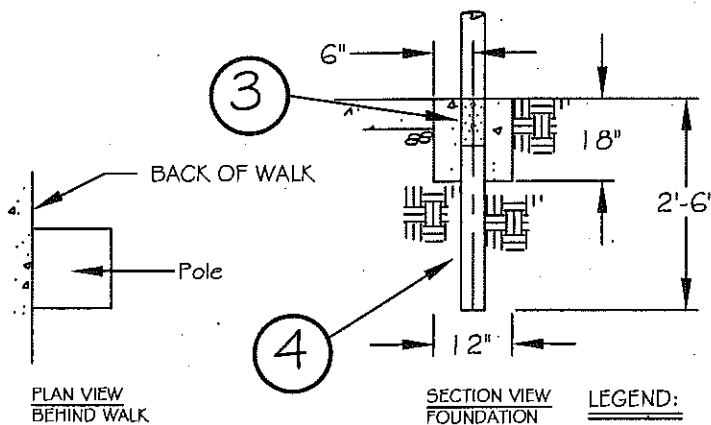
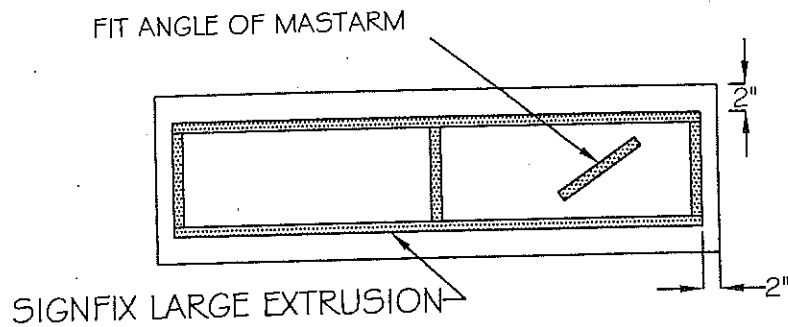
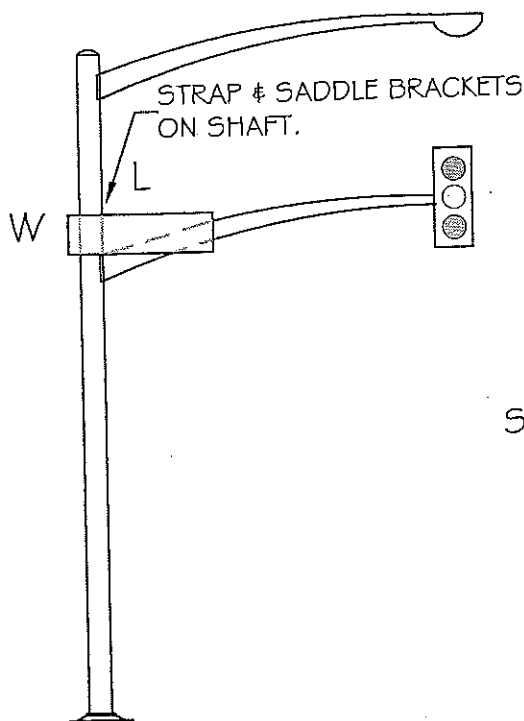


TABLE A	
CURB RADIUS	"D"
30'	21'
40'	24'
50'	27'

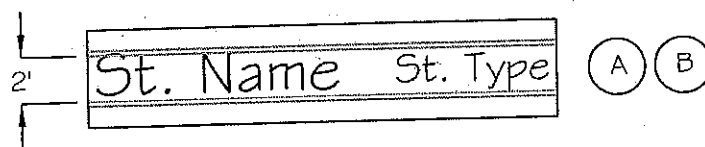


LEGEND:

- ① Install 2" rain cap, Western Highway or equal, part No. 2UM-RC200.
- ② Two (2) inch square select punch 14 gage from Western Highway or equal, part No. 2UM-2001204-SPC (10') and 2UM-2001444-SPC (12'). Holes on all four (4) sides.
- ③ Six (6) inches of holes below grade, four (4) drive rivets one on each side, holes on all four (4) sides, and apply at least six (6) inches of tape on sleeve.
- ④ Sleeve & anchor assembly data.
Ultimate shear-safe anchor, Western Highway or equal, part No. 2UM-2250302HG4.
Must leave two (2) holes above ground. Sleeve 2 1/2" X 18", Western Highway or equal, part No. 2UM-2500182HG4.
- ⑤ Rivets shall match color of sign.
- ⑥ Larger name plate on bottom.



TYPICAL BRACKETING



STREET NAME BLADE SHALL BE MOUNTED BETWEEN THE SHAFT AND THE MASTARM.

SIGN SIZE:
L = FIT TEXT
W = 18"

LETTERING:
STYLE "BOOKMAN BOLD"

3M DIAMOND GRADE SHEETING OR CITY APPROVED EQUAL W/ EC OVERLAY FILM

WHITE LETTERS & BORDER ON BLUE BACKGROUND

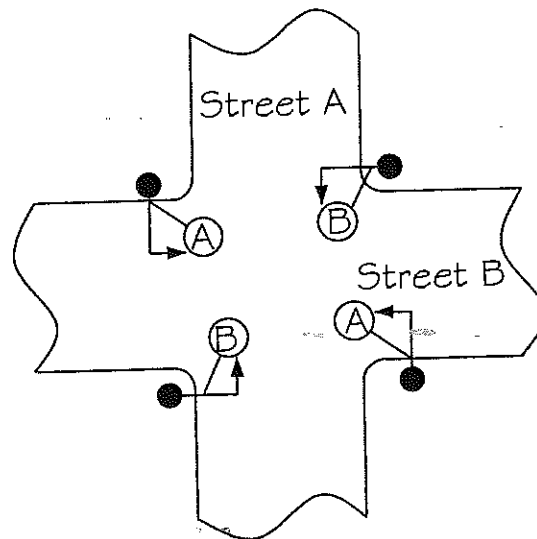
BORDER:
NO MARGIN - 1" WHITE BORDER

HARDWARE:
SIGNFIX LARGE EXTRUSION,
PART No. 5X0130
UNIVERSAL CHANNEL CLAMP
PART NO. 5X0220

• STREET NAME = 8" UC LETTERS (FIRST LETTER)
REMAINING LETTERS LOWER CASE

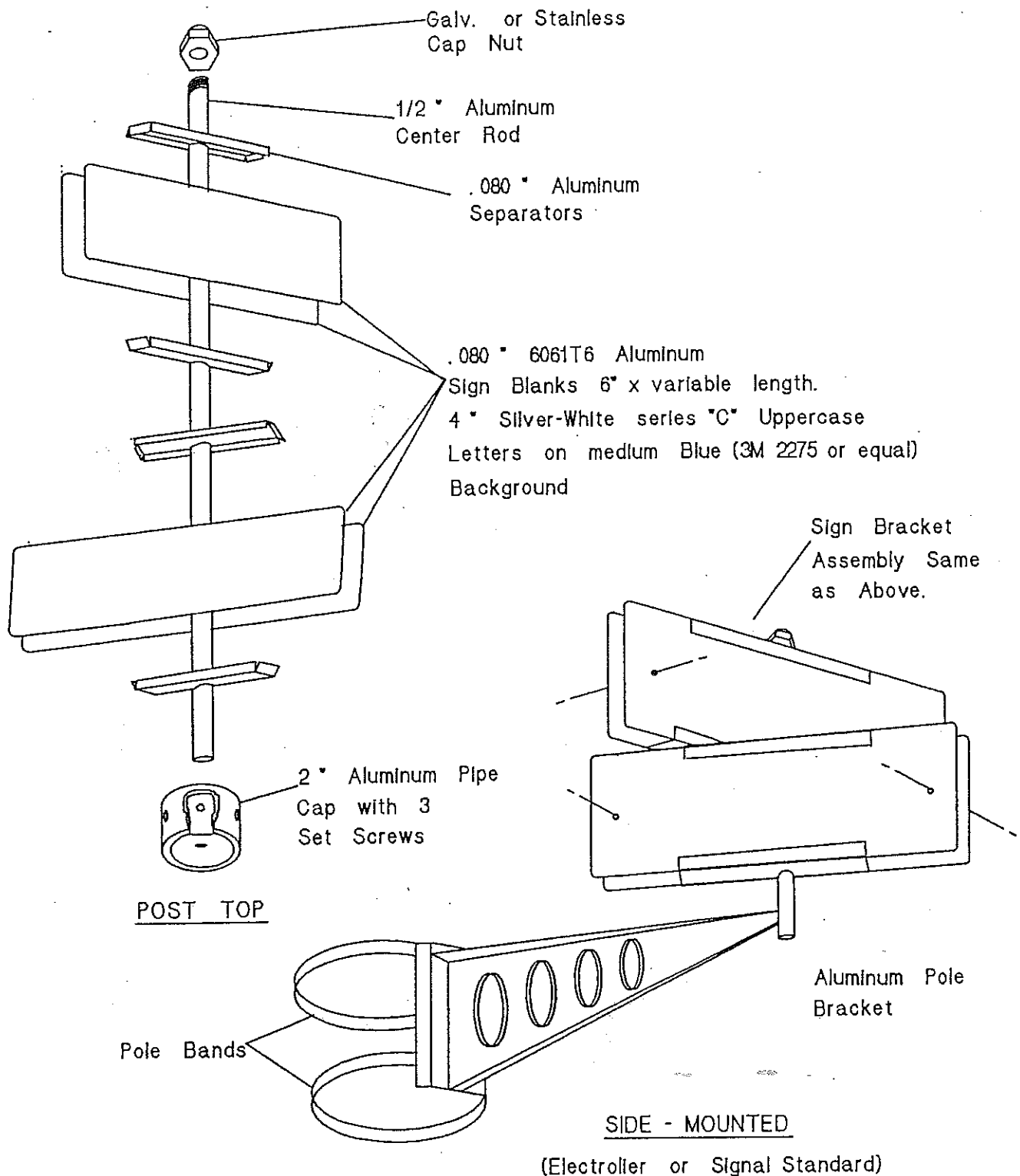
• STREET TYPE (I.E. AVE., LN., CT.) = 5" UC (FIRST LETTER)
REMAINING LETTERS LOWER CASE
LETTERS CENTERED ON STREET NAME.

TYPICAL LETTERING



GENERAL MATERIAL & INSTALLATION FOR TRAFFIC SIGNAL POLES

TYPICAL SIGN INSTALLATION AT SIGNALIZED INTERSECTION



CITY OF CUPERTINO
STANDARD DETAILS

APPROVED BY:

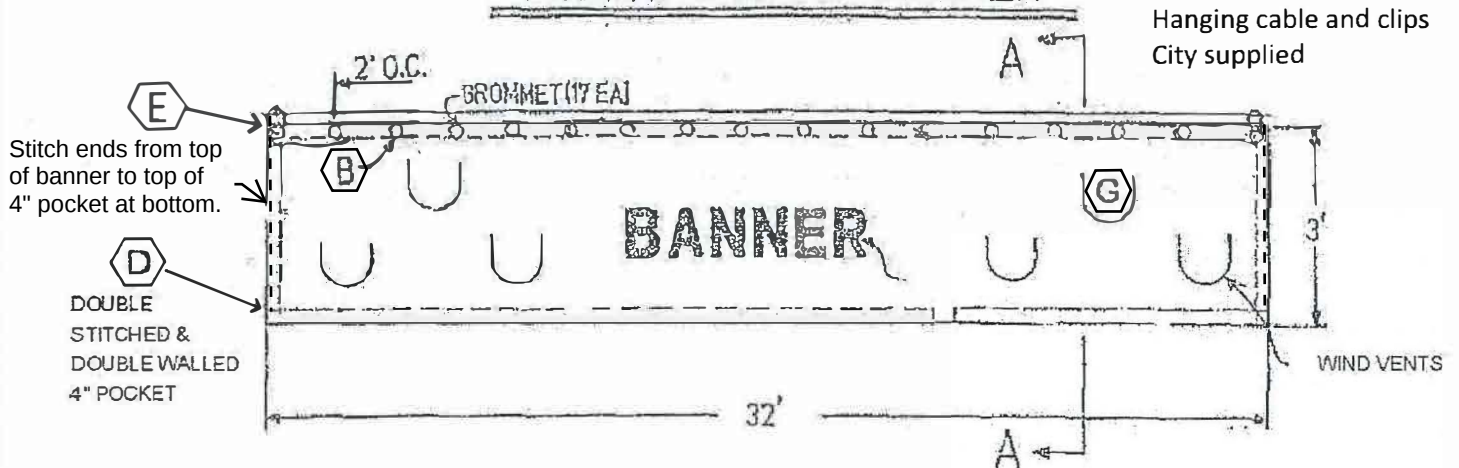
CITY ENGINEER

DATE:

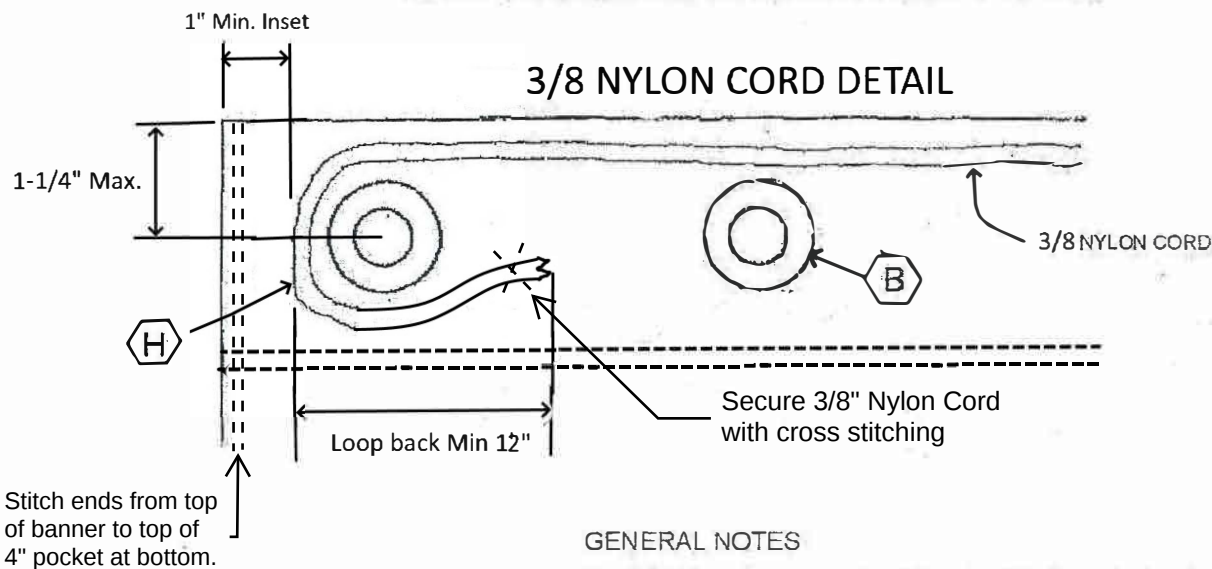
7/27/94

2 - 22

PUBLIC SERVICE BANNER

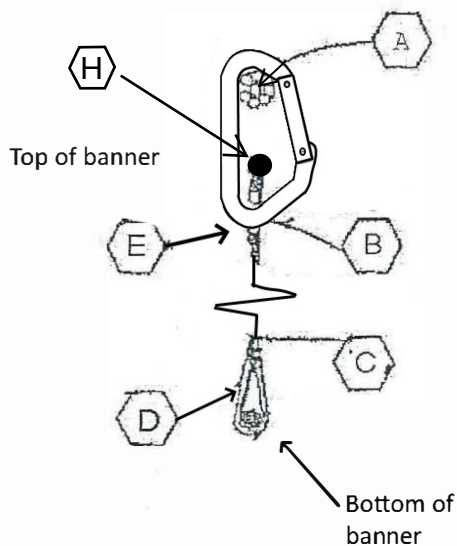


GROMMET INNER DIAMETER MUST BE 5/8"

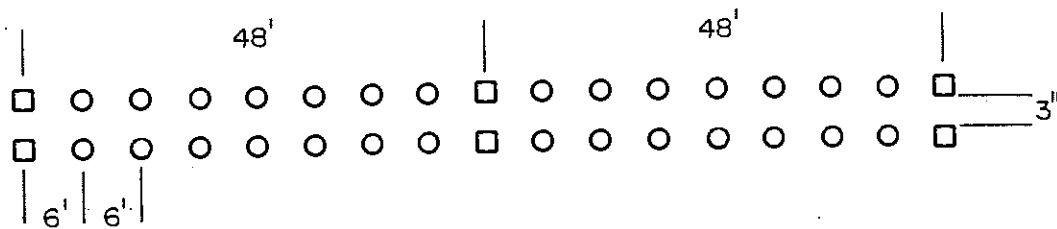


GENERAL NOTES

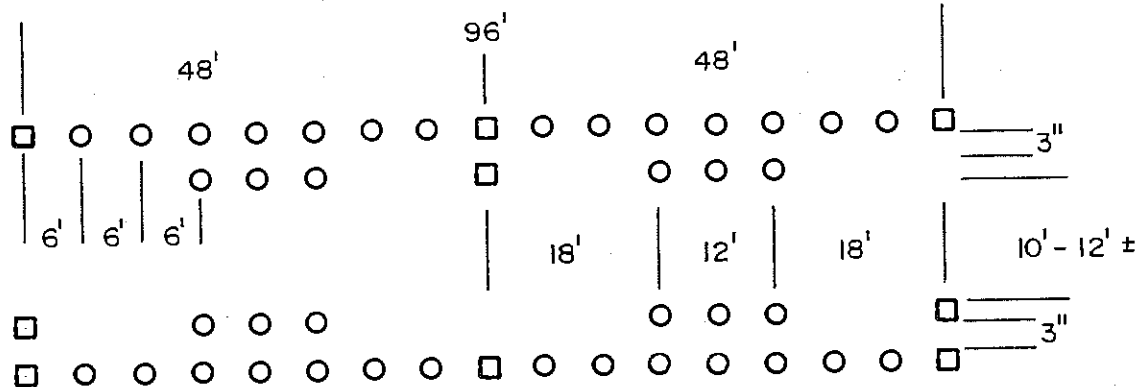
- 1/2" diameter support cable with attachment clips (by City).
- 5/8" interior diameter grommet >NO SUBSTITUTIONS< 2'- 0" O.C. (17 ea.)
- Double thickness material; 20 oz.
- Double walled reinforced 4" pocket double stitch with # 12 dacron thread:
- Reinforced grommet and cord pocket. Double stitch with #12 dacron thread pocket sized to fit cord and grommets.
- Minimum Letter size - 4" high. High Contrast coloring is suggested with bold font.
- Wind vents cut across banner - (Minimum of 9, approx. 6" x 6", evenly spaced)
- 3/8" Nylon Cord, 34' length, Must be looped and sewn back min 12" on each end. (see detail H above) Cordage must loop around end grommets and secured with stitching at each end



SECTION A-A



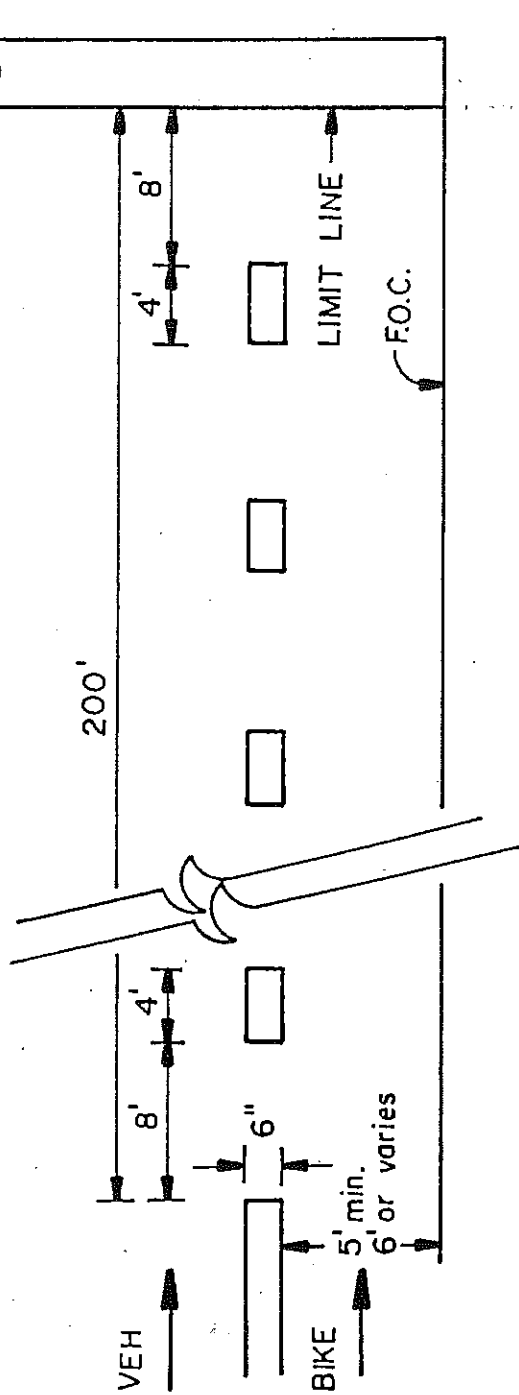
DETAIL 23C



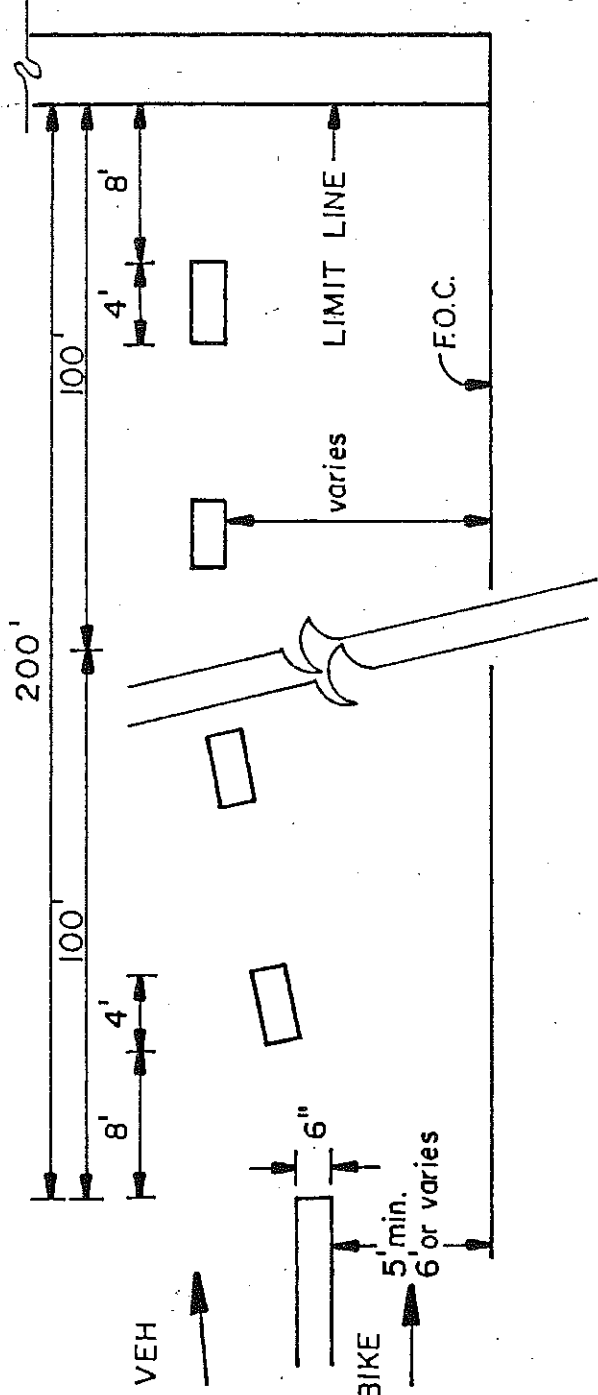
DETAIL 33C

LEGEND

- TWO-WAY YELLOW REFLECTIVE MARKER
- NON-REFLECTIVE YELLOW MARKER



TYPICAL BIKE LANE AT INTERSECTION

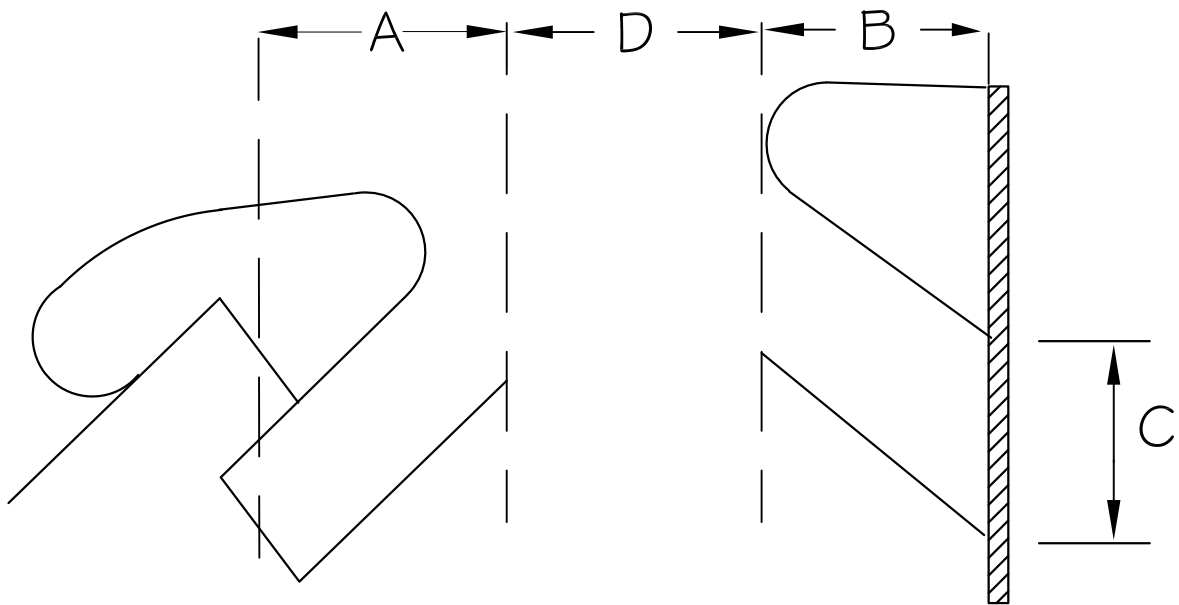


WIDENED BIKE LANE AT INTERSECTION

DETAIL 39AC

BIKE LANE DETAILS

Angle (Degrees)	Stall Width	Stall Depth "A"	Stall Depth "B"	Curb Length "C"	Aisle Width "D"	
					One-Way	Two-Way
0	8.0	N/A	N/A	N/A	12.0	20.0
30	8.5	12.7	16.4	17.0	14.0	22.0
35	8.5	13.8	17.3	14.8	14.0	22.0
40	8.5	14.8	18.1	13.2	14.5	22.0
45	8.5	15.7	18.7	12.0	15.0	22.0
50	8.5	16.5	19.3	11.1	15.0	22.0
55	8.5	17.2	19.6	10.4	15.5	22.0
60	8.5	17.7	19.8	9.8	16.0	22.0
65	8.5	18.1	19.9	9.4	17.5	23.0
70	8.5	18.4	19.8	9.0	19.0	24.0
75	8.5	18.5	19.6	8.8	20.0	24.0
80	8.5	18.5	19.2	8.6	20.0	24.0
85	8.5	18.3	18.7	8.5	20.0	24.0
90	8.5	18.0	18.0	8.5	20.0	24.0



PARKING AISLES

Note: These are recommended parking aisle dimensions. Private parking facilities may be subject to dimensions shown in Cupertino Municipal Code Table 19.124.040(B). Please contact the Planning Department for more information.

TWO-WAY AISLE

STALL WIDTH 8.00 Feet * TWO-WAY AISLE COMPACT VEHICLES ONLY								STALL WIDTH 8.50 Feet * TWO-WAY AISLE COMPACT VEHICLES ONLY							
+-----+								+-----+							
ANGLE	STALL	DEPTH	CURB					STALL	DEPTH	CURB					
DEPTH	WIDTH	@WALL	LENGTH					DEPTH	WIDTH	@WALL	LENGTH				
DEGREE	"A"	"B"	"C"	"D"	A+B+A	A+B+C	C+B+C	"A"	"B"	"C"	"D"	A+B+A	A+B+C	C+B+C	
0	8.0	18.0	8.0	18.0	N/A	N/A	N/A	8.0	18.0	8.0	18.0	N/A	N/A	N/A	
30	11.2	18.0	14.7	16.0	40.4	43.9	47.4	11.4	18.0	15.1	17.0	40.9	44.5	48.2	
35	12.2	18.0	15.4	13.9	42.3	45.6	48.9	12.4	18.0	15.9	14.8	42.7	46.2	49.7	
40	13.0	18.0	16.1	12.4	44.1	47.1	50.2	13.2	18.0	16.5	13.2	44.4	47.7	50.9	
45	13.8	18.5	16.6	11.3	46.1	48.9	51.7	14.0	18.0	17.0	12.0	45.9	48.9	51.9	
50	14.4	19.0	17.0	10.4	47.9	50.5	53.0	14.6	18.0	17.3	11.1	47.2	49.9	52.7	
55	15.0	19.5	17.3	9.8	49.5	51.8	54.1	15.1	18.5	17.6	10.4	48.8	51.2	53.6	
60	15.4	20.0	17.4	9.2	50.8	52.8	54.8	15.5	19.0	17.7	9.8	50.1	52.2	54.3	
65	15.7	20.5	17.4	8.8	52.0	53.7	55.4	15.8	19.5	17.6	9.4	51.2	53.0	54.8	
70	15.9	21.0	17.3	8.5	52.9	54.2	55.6	16.0	20.0	17.5	9.0	52.0	53.5	54.9	
75	16.0	21.5	17.0	8.3	53.5	54.5	55.6	16.1	20.5	17.2	8.8	52.6	53.7	54.8	
80	16.0	22.0	16.7	8.1	53.9	54.6	55.3	16.0	21.0	16.7	8.6	53.0	53.7	54.5	
85	15.8	22.5	16.1	8.0	54.1	54.4	54.8	15.8	21.5	16.2	8.5	53.1	53.5	53.9	
90	15.5	23.0	15.5	8.0	54.0	54.0	54.0	15.5	22.0	15.5	8.5	53.0	53.0	53.0	

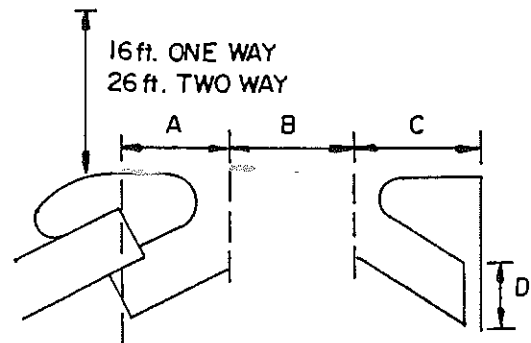
COMPACT

STALL WIDTH 9.00 Feet * TWO-WAY AISLE								STALL WIDTH 9.50 Feet * TWO-WAY AISLE							
ANGLE	STALL AISLE DEPTH	STALL AISLE WIDTH	STALL AISLE @WALL	STALL AISLE DEPTH	STALL AISLE CURB LENGTH			STALL AISLE DEPTH	STALL AISLE WIDTH	STALL AISLE @WALL	STALL AISLE DEPTH	STALL AISLE CURB LENGTH			
DEGREE	"A"	"B"	"C"	"D"	A+B+A	A+B+C	C+B+C	"A"	"B"	"C"	"D"	A+B+A	A+B+C	C+B+C	
0	8.0	18.0	8.0	22.0	N/A	N/A	N/A	8.0	18.0	8.0	22.0	N/A	N/A	N/A	
30	12.9	18.0	16.8	18.0	43.8	47.7	51.6	13.1	18.0	17.2	19.0	44.2	48.3	52.5	
35	14.0	18.0	17.7	15.7	46.0	49.7	53.4	14.2	18.0	18.1	16.6	46.4	50.3	54.2	
40	15.0	18.0	18.5	14.0	48.0	51.5	54.9	15.2	18.0	18.8	14.8	48.4	52.1	55.7	
45	15.9	18.0	19.1	12.7	49.8	53.0	56.2	16.1	18.0	19.4	13.4	50.2	53.5	56.9	
50	16.7	18.0	19.6	11.7	51.4	54.3	57.1	16.8	18.0	19.9	12.4	51.7	54.7	57.8	
55	17.3	18.0	19.9	11.0	52.7	55.2	57.8	17.5	18.0	20.2	11.6	52.9	55.7	58.4	
60	17.8	19.0	20.1	10.4	54.7	56.9	59.2	18.0	18.0	20.3	11.0	53.9	56.3	58.7	
65	18.2	20.0	20.1	9.9	56.4	58.3	60.2	18.3	19.0	20.3	10.5	55.6	57.6	59.7	
70	18.5	21.0	20.0	9.6	57.9	59.4	61.0	18.5	20.0	20.2	10.1	57.1	58.7	60.3	
75	18.6	22.0	19.7	9.3	59.1	60.3	61.4	18.6	21.0	19.8	9.8	58.2	59.5	60.7	
80	18.5	23.0	19.3	9.1	60.0	60.8	61.6	18.6	22.0	19.4	9.6	59.1	59.9	60.8	
85	18.3	24.0	18.7	9.0	60.6	61.0	61.4	18.3	23.0	18.8	9.5	59.7	60.1	60.5	
90	18.0	25.0	18.0	9.0	61.0	61.0	61.0	18.0	24.0	18.0	9.5	60.0	60.0	60.0	

STANDARD

STALL WIDTH 10.00 Feet * TWO-WAY AISLE							
ANGLE DEGREE	STALL DEPTH "A"	STALL WIDTH "B"	STALL DEPTH "C"	STALL WIDTH "D"	A+B+A	A+B+C	C+B+C
0	8	18.0	8	48(2)	N/A	N/A	N/A
30	13.3	18.0	17.7	20.0	44.7	49.0	53.3
35	14.4	18.0	18.5	17.4	46.8	50.9	55.0
40	15.4	18.0	19.2	15.6	48.8	52.6	56.5
45	16.3	18.0	19.8	14.1	50.5	54.1	57.6
50	17.0	18.0	20.2	13.1	52.0	55.2	58.4
55	17.6	18.0	20.5	12.2	53.2	56.1	59.0
60	18.1	18.0	20.6	11.5	54.2	56.7	59.2
65	18.4	18.0	20.5	11.0	54.9	57.0	59.1
70	18.6	19.0	20.3	10.6	56.2	58.0	59.7
75	18.7	20.0	20.0	10.4	57.4	58.7	59.9
80	18.6	21.0	19.5	10.2	58.2	59.1	59.9
85	18.4	22.0	18.8	10.0	58.7	59.2	59.6
90	18.0	23.0	18.0	10.0	59.0	59.0	59.0

STANDARD



CITY OF CUPERTINO
STANDARD DETAILS

APPROVED BY:

CITY ENGINEER

DATE:

8/18/89

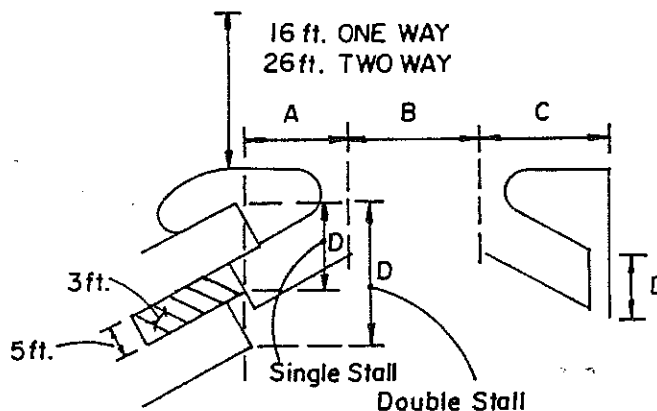
2-30

ONE-WAY AISLE

TWO-WAY AISLE

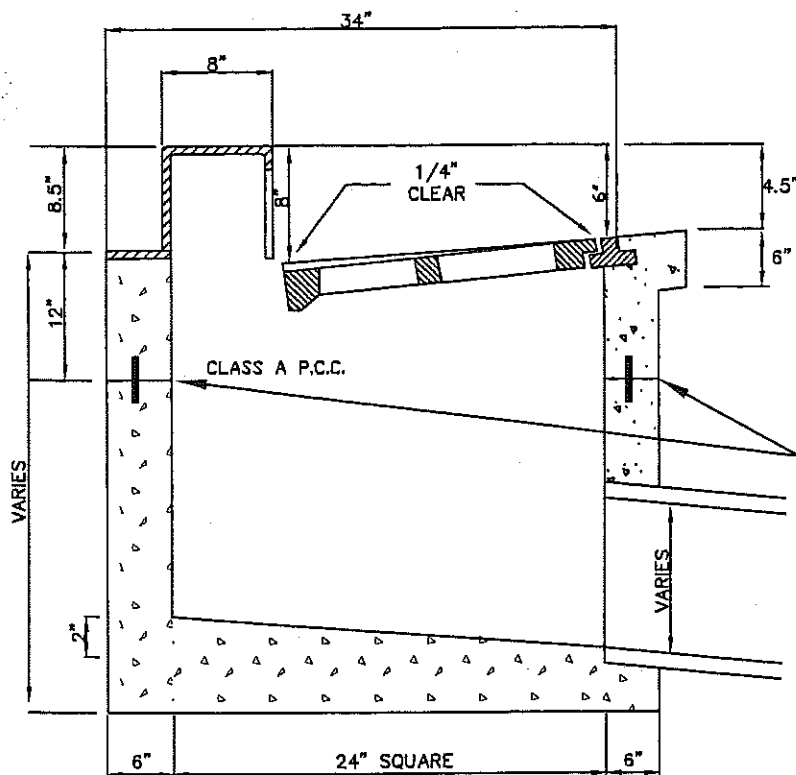
STALL WIDTH 9.00 Feet * ONE-WAY AISLE SINGLE HANDICAP STALL * SPACE ONE SIDE								STALL WIDTH 9.00 Feet * TWO-WAY AISLE DOUBLE HANDICAP STALL * SPACE CENTERED							
ANGLE DEGREE	STALL AISLE DEPTH CURB			CURB LENGTH				ANGLE DEGREE	STALL AISLE DEPTH CURB			CURB LENGTH			
	DEPTH	WIDTH	@WALL		A+B+A	A+B+C	C+B+G		DEPTH	WIDTH	@WALL		A+B+A	A+B+C	C+B+G
0	8.0	10.0	8.0	48(2)	N/A	N/A	N/A	0	8.0	18.0	8.0	48(2)	N/A	N/A	N/A
30	12.9	10.0	16.8	28.0	35.8	39.7	43.6	30	12.9	18.0	16.8	46.0	43.8	47.7	51.6
35	14.0	10.0	17.7	24.4	38.0	41.7	45.4	35	14.0	18.0	17.7	40.1	46.0	49.7	53.4
40	15.0	10.0	18.5	21.8	40.0	43.5	46.9	40	15.0	18.0	18.5	35.8	48.0	51.5	54.9
45	15.9	11.5	19.1	19.8	43.3	46.5	49.7	45	15.9	18.0	19.1	32.5	49.8	53.0	56.2
50	16.7	13.0	19.6	18.3	46.4	49.3	52.1	50	16.7	18.0	19.6	30.0	51.4	54.3	57.1
55	17.3	14.5	19.9	17.1	49.2	51.7	54.3	55	17.3	18.0	19.9	28.1	52.7	55.2	57.8
60	17.8	16.0	20.1	16.2	51.7	53.9	56.2	60	17.8	19.0	20.1	26.6	54.7	56.9	59.2
65	18.2	17.5	20.1	15.4	53.9	55.8	57.7	65	18.2	20.0	20.1	25.4	56.4	58.3	60.2
70	18.5	19.0	20.0	14.9	55.9	57.4	59.0	70	18.5	21.0	20.0	24.5	57.9	59.4	61.0
75	18.6	20.5	19.7	14.5	57.6	58.8	59.9	75	18.6	22.0	19.7	23.8	59.1	60.3	61.4
80	18.5	22.0	19.3	14.2	59.0	59.8	60.6	80	18.5	23.0	19.3	23.4	60.0	60.8	61.6
85	18.3	23.5	18.7	14.1	60.1	60.5	60.9	85	18.3	24.0	18.7	23.1	60.6	61.0	61.4
90	N/A	N/A	N/A	N/A	N/A	N/A	N/A	90	18.0	25.0	18.0	23.0	61.0	61.0	61.0

STALL WIDTH 8.67 Feet * ONE-WAY AISLE								STALL WIDTH 8.67 Feet * TWO-WAY AISLE							
ANGLE DEGREE	STALL AISLE DEPTH CURB			CURB LENGTH				ANGLE DEGREE	STALL AISLE DEPTH CURB			CURB LENGTH			
	DEPTH	WIDTH	@WALL		A+B+A	A+B+C	C+B+G		DEPTH	WIDTH	@WALL		A+B+A	A+B+C	C+B+G
0	8.0	10.0	8.0	48(2)	N/A	N/A	N/A	0	8.0	18.0	8.0	48(2)	N/A	N/A	N/A
30	12.8	10.0	16.5	17.3	35.5	39.3	43.0	30	12.8	18.0	16.5	17.3	43.5	47.3	51.0
35	13.9	10.0	17.4	15.1	37.7	41.3	44.8	35	13.9	18.0	17.4	15.1	45.7	49.3	52.8
40	14.9	10.5	18.2	13.5	40.3	43.6	46.9	40	14.9	18.0	18.2	13.5	47.8	51.1	54.4
45	15.8	12.0	18.9	12.3	43.6	46.6	49.7	45	15.8	18.0	18.9	12.3	49.6	52.6	55.7
50	16.6	13.5	19.4	11.3	46.6	49.4	52.2	50	16.6	18.0	19.4	11.3	51.1	53.9	56.7
55	17.2	15.0	19.7	10.6	49.5	51.9	54.4	55	17.2	18.5	19.7	10.6	53.0	55.4	57.9
60	17.8	16.5	19.9	10.0	52.0	54.2	56.3	60	17.8	19.5	19.9	10.0	55.0	57.2	59.3
65	18.1	18.0	20.0	9.6	54.3	56.1	58.0	65	18.1	20.5	20.0	9.6	56.8	58.6	60.5
70	18.4	19.5	19.9	9.2	56.3	57.8	59.3	70	18.4	21.5	19.9	9.2	58.3	59.8	61.3
75	18.5	21.0	19.6	9.0	58.0	59.1	60.3	75	18.5	22.5	19.6	9.0	59.5	60.6	61.8
80	18.5	22.5	19.2	8.8	59.5	60.2	61.0	80	18.5	23.5	19.2	8.8	60.5	61.2	62.0
85	18.3	24.0	18.7	8.7	60.6	61.0	61.4	85	18.3	24.5	18.7	8.7	61.1	61.5	61.9
90	N/A	N/A	N/A	N/A	N/A	N/A	N/A	90	18.0	25.5	18.0	8.7	61.5	61.5	61.5

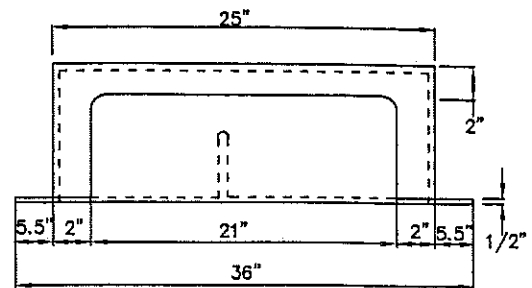


HANDICAP

INDUSTRIAL

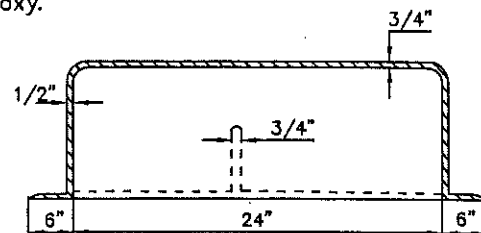


SECTION A-A Showing Concrete Box



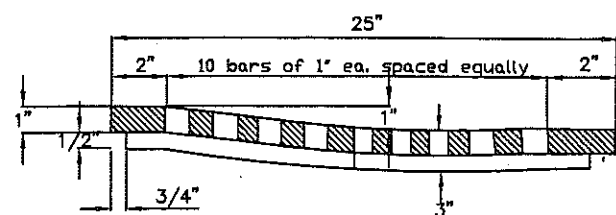
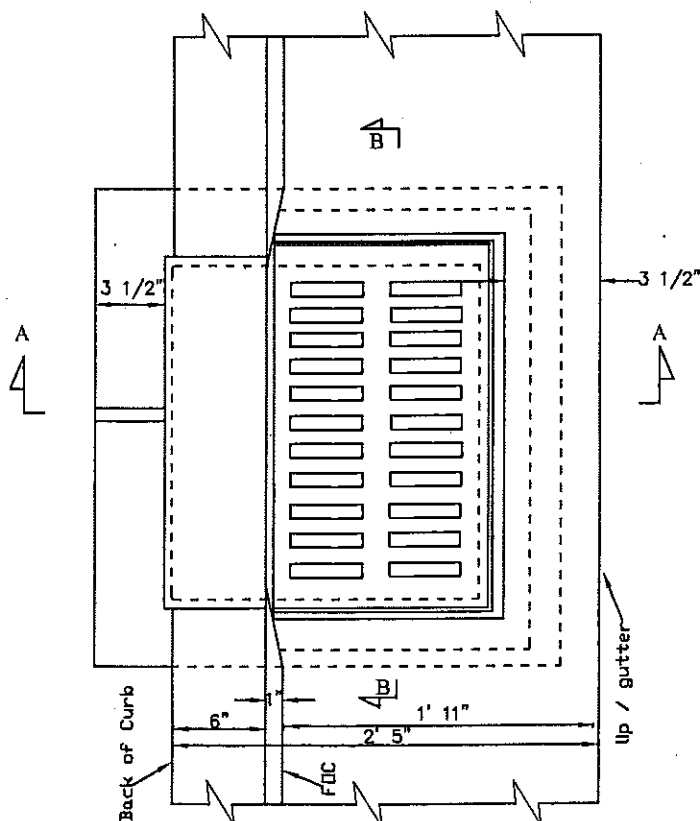
VIEW B-B

Note: Const. jt. permitted when catch basin top is reconstructed. Place #4 x 12" dowels at each const. jt. Drill holes, blow clean and set dowels in epoxy.

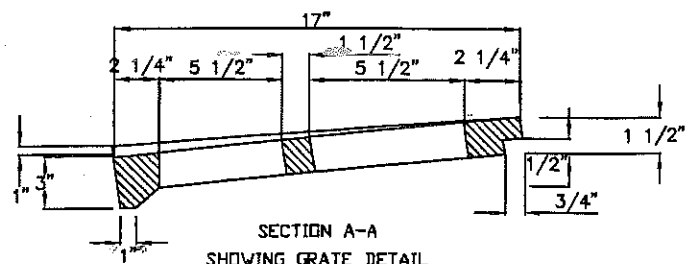


SECTION CURB CASTING

NOTE: Frame dimensions may vary with the approval of the City Engineer.



SECTION B-B



SECTION A-A
SHOWING GRATE DETAIL

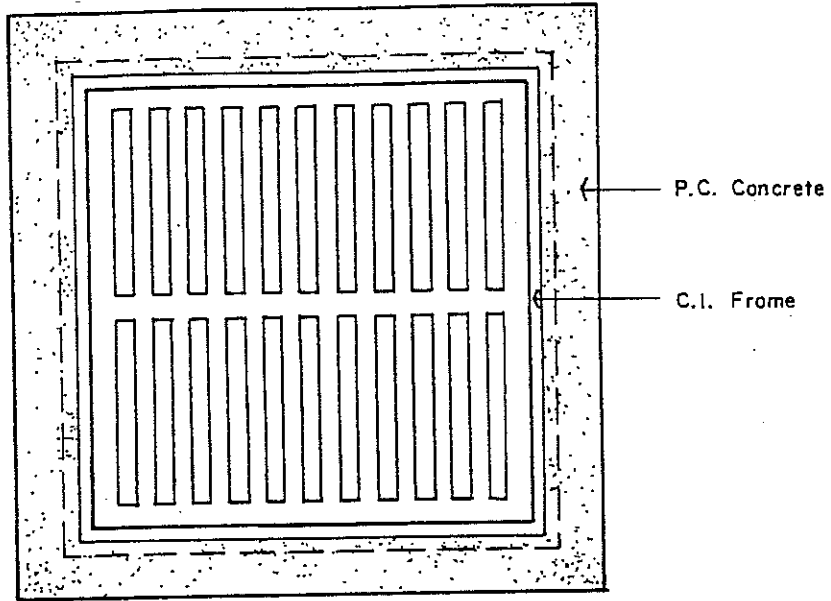
STANDARD DROP INLET - CURB OPENING

CITY OF CUPERTINO
STANDARD DETAILS

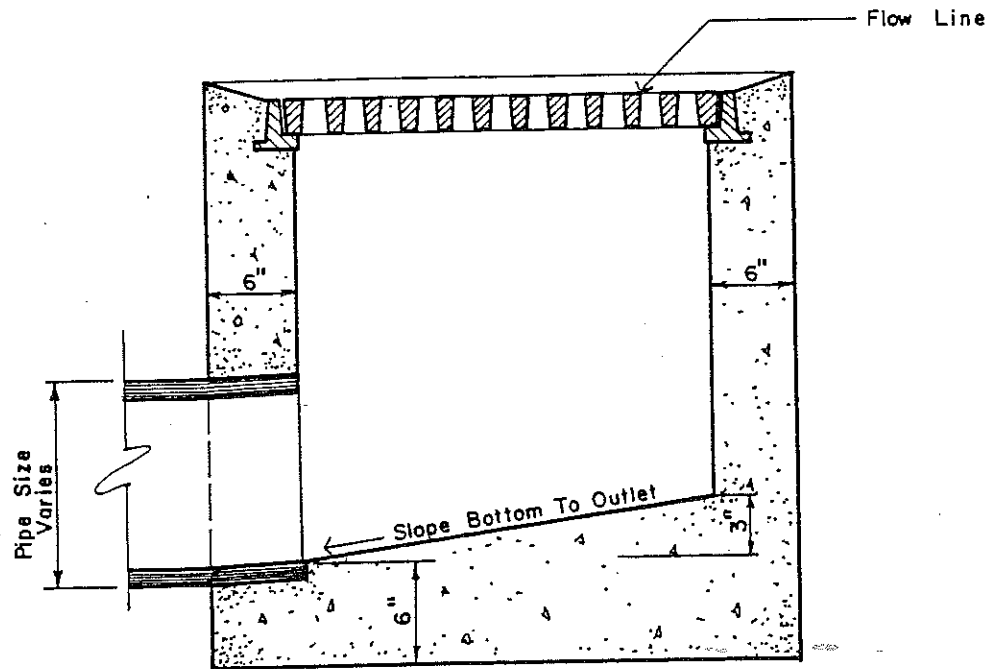
APPROVED BY: *Paula Allen*
City Engineer

DATE: 6.10.07

3-2



PLAN



SECTION

STANDARD 24" FLAT GRATE DROP INLET

CITY OF CUPERTINO
STANDARD DETAILS

APPROVED BY :

[Signature]
CITY ENGINEER

DATE :

2/10/89

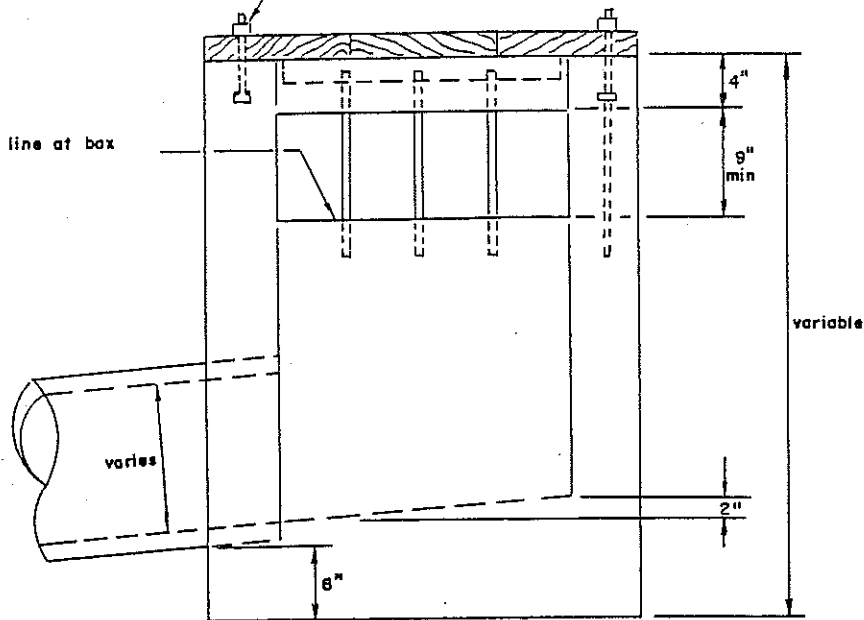
3-4

4 - $\frac{5}{8}$ " ϕ x 7" Anchor bolts

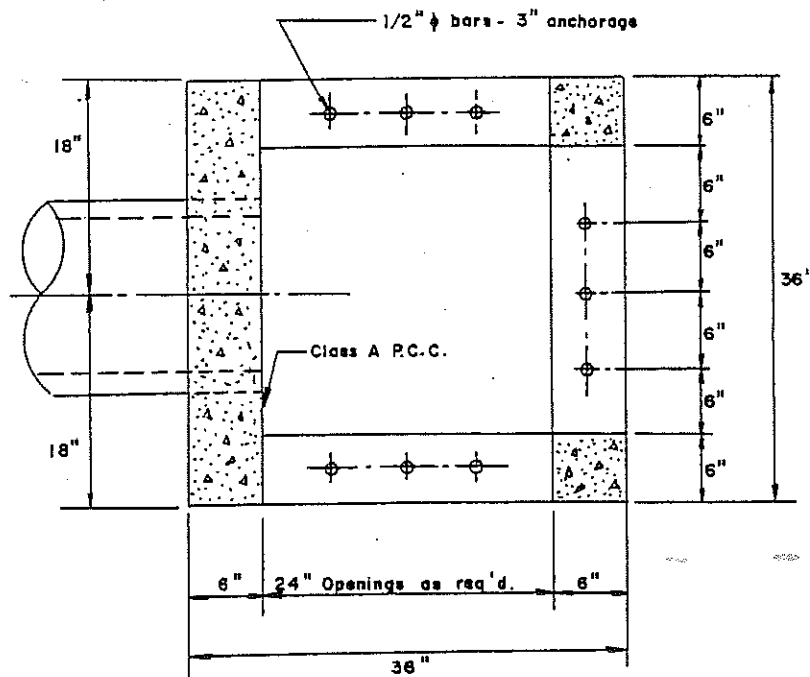
2" x 12" Redwood cover

2" x 6" cross-bracing

Ditch flow line at box openings



SIDE ELEVATION



SECTION THROUGH OPENING

FIELD INLET - SIDE OPENING

CITY OF CUPERTINO
STANDARD DETAILS

APPROVED BY :

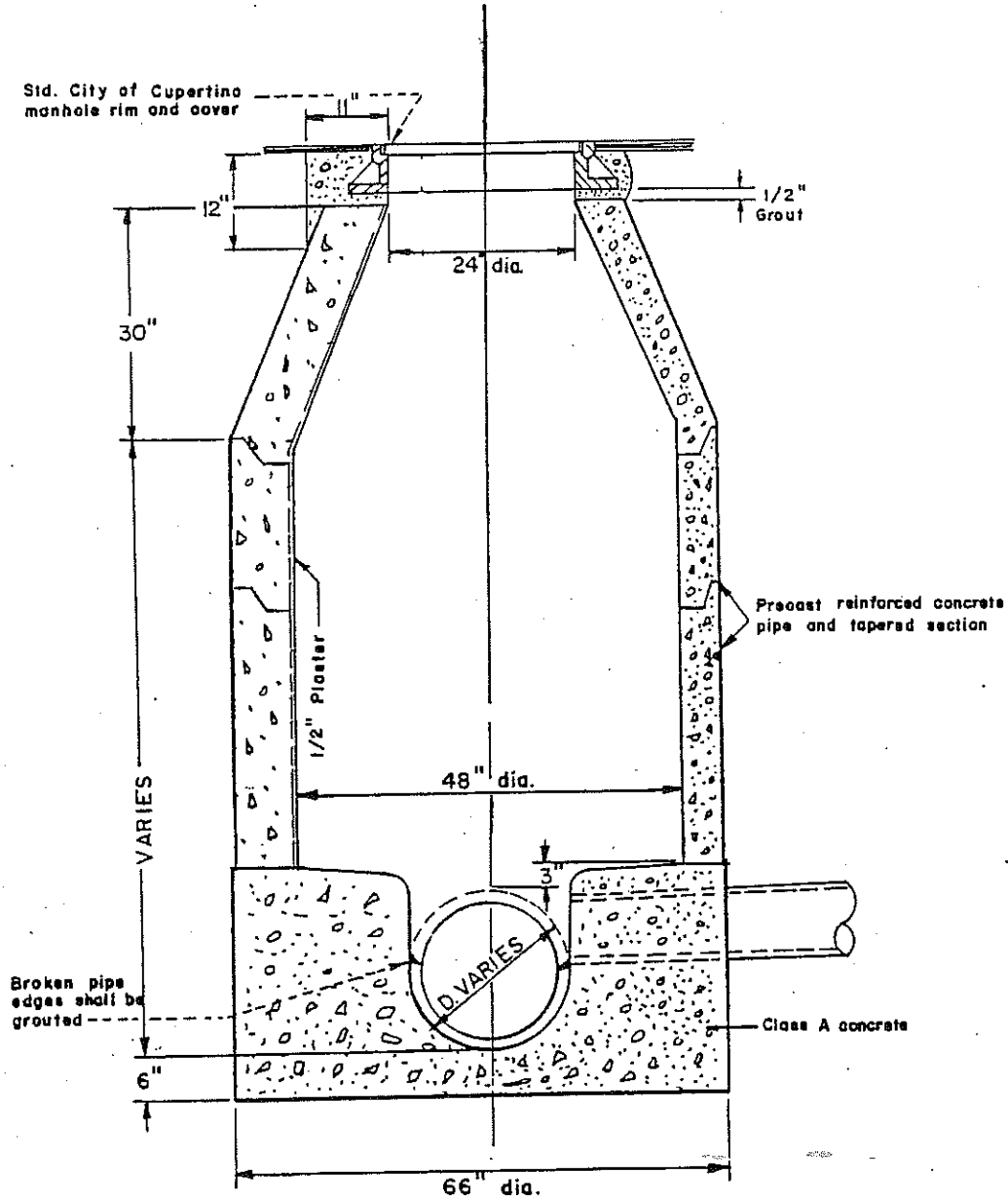
CITY ENGINEER

DATE : 2/10/59

3-8

CONCENTRIC MANHOLE

8" to 33" PIPE



NOTES:

Mortar and grout to conform to
Section 65, State Std. Specifications.

Manhole foundation poured in place.

CITY OF CUPERTINO
STANDARD DETAILS

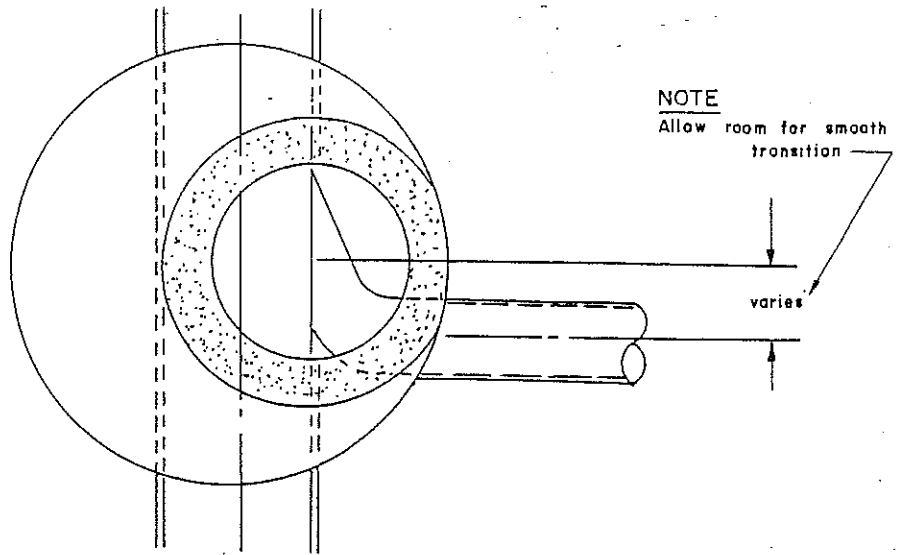
APPROVED BY :

CITY ENGINEER

DATE :

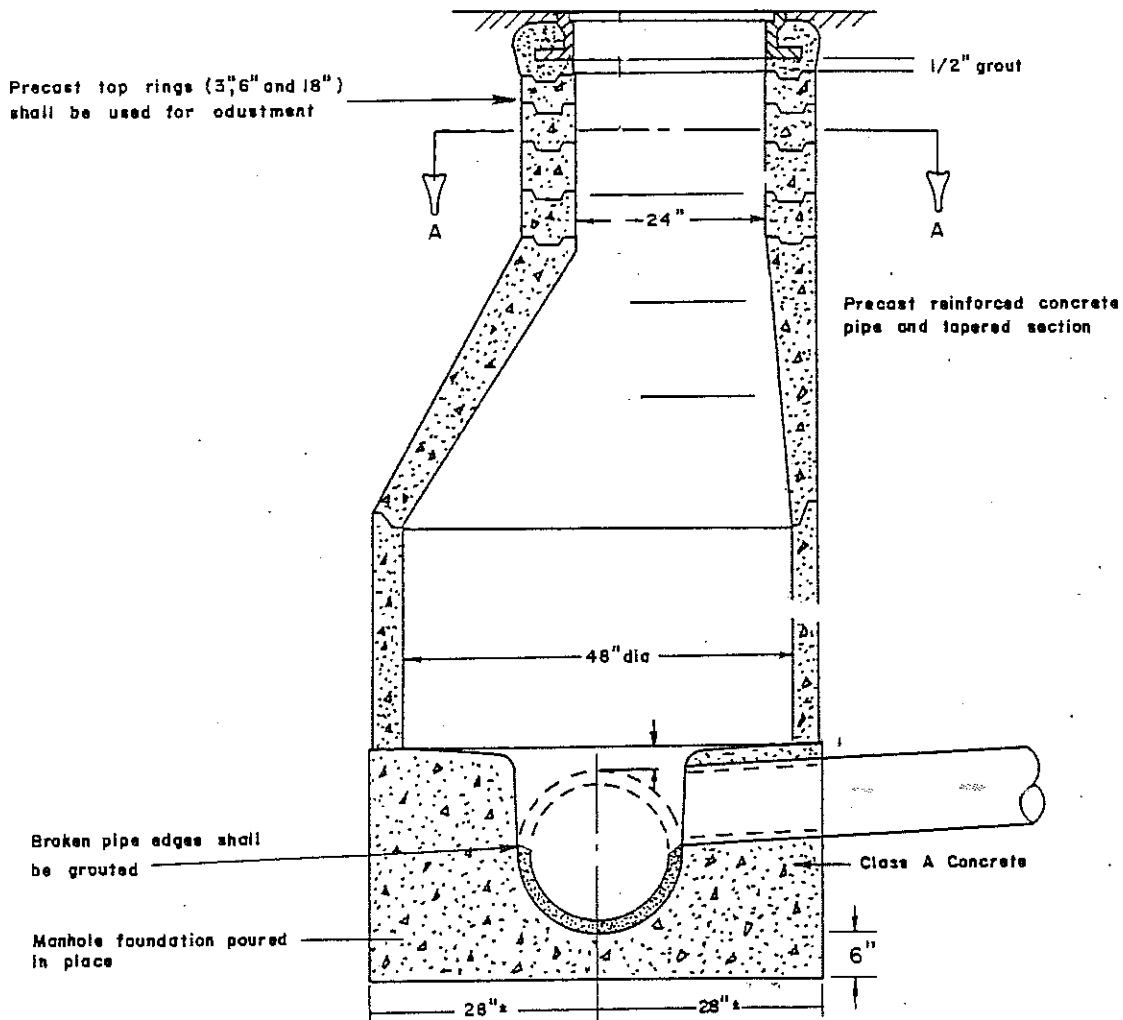
2/10/89

3-10



SECTION A-A

Std. City of Cupertino manhole rim and cover



ECCENTRIC MANHOLE
8" to 33" PIPE

**CITY OF CUPERTINO
STANDARD DETAILS**

APPROVED BY :

CITY ENGINEER

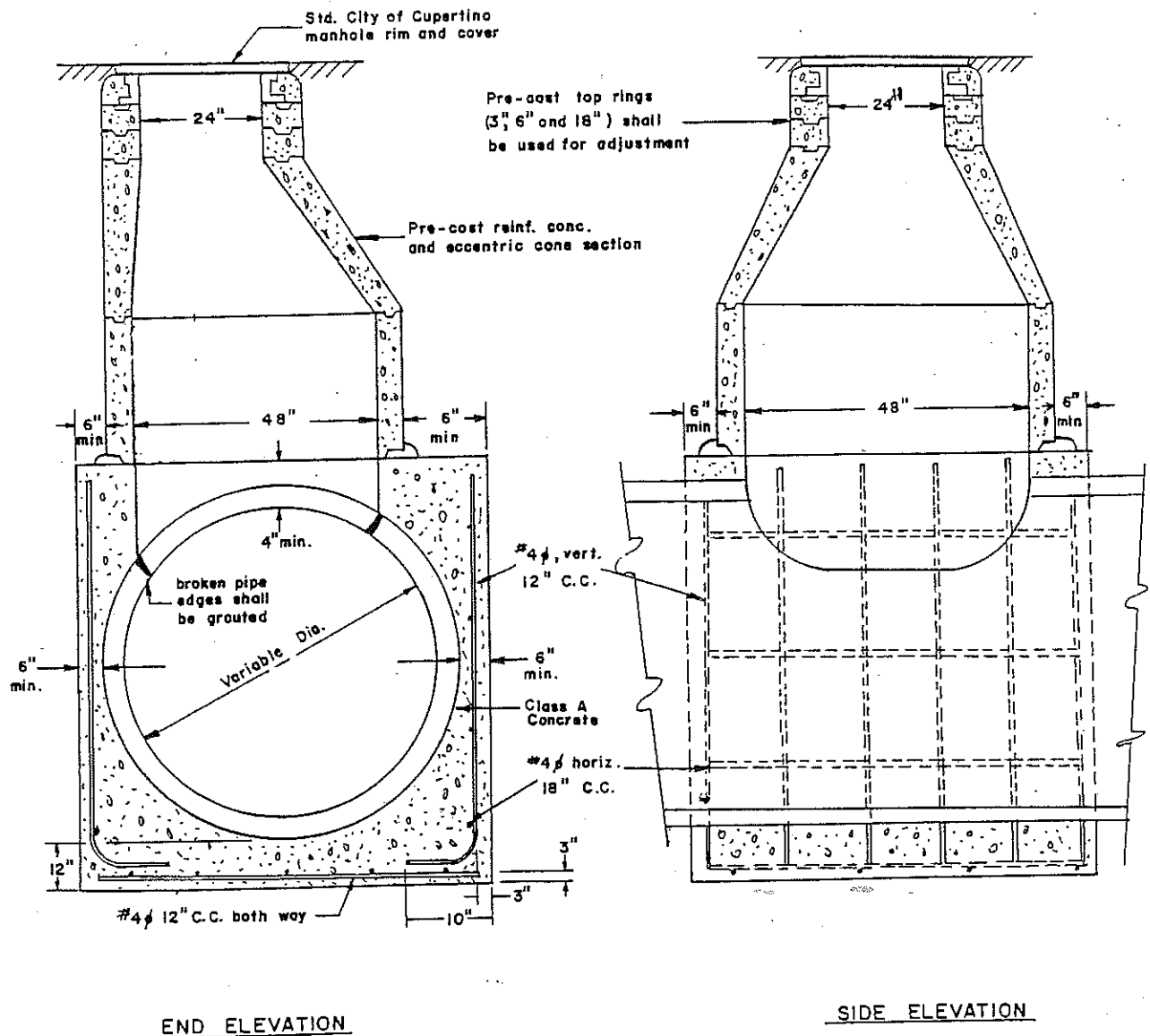
DATE :

2/10/89

3-12

ECENTRIC MANHOLE

36"-48" DIA. PIPE



**CITY OF CUPERTINO
STANDARD DETAILS**

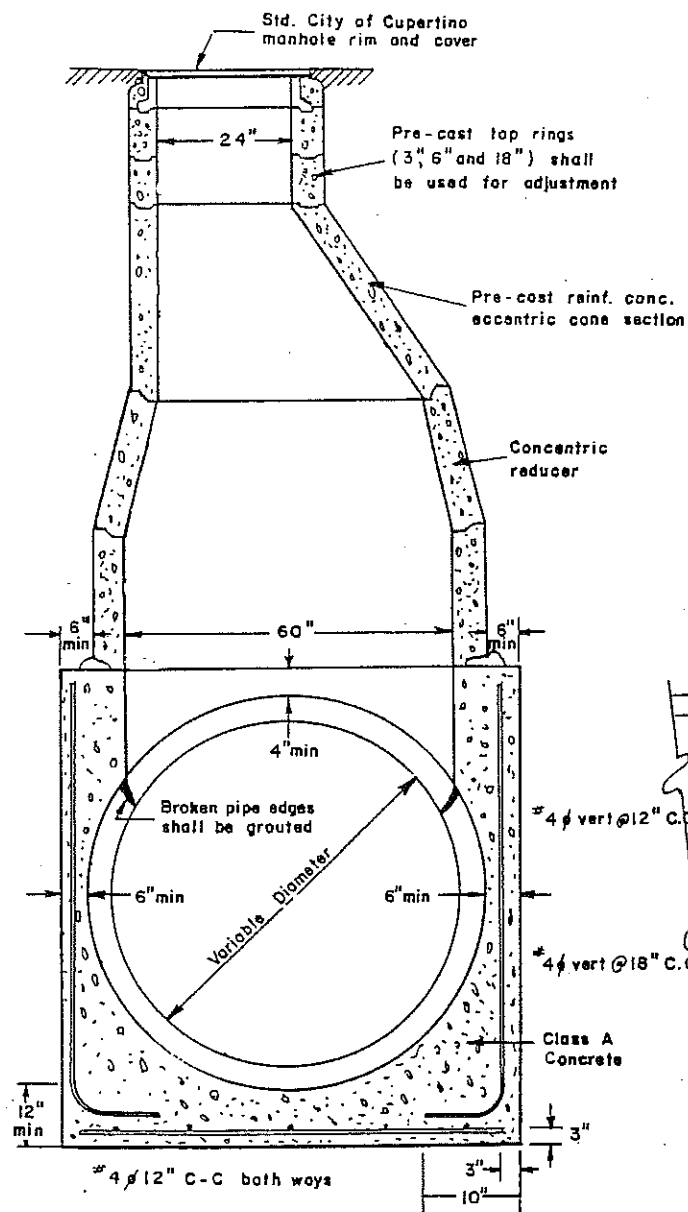
APPROVED BY :

[Signature]
CITY ENGINEER

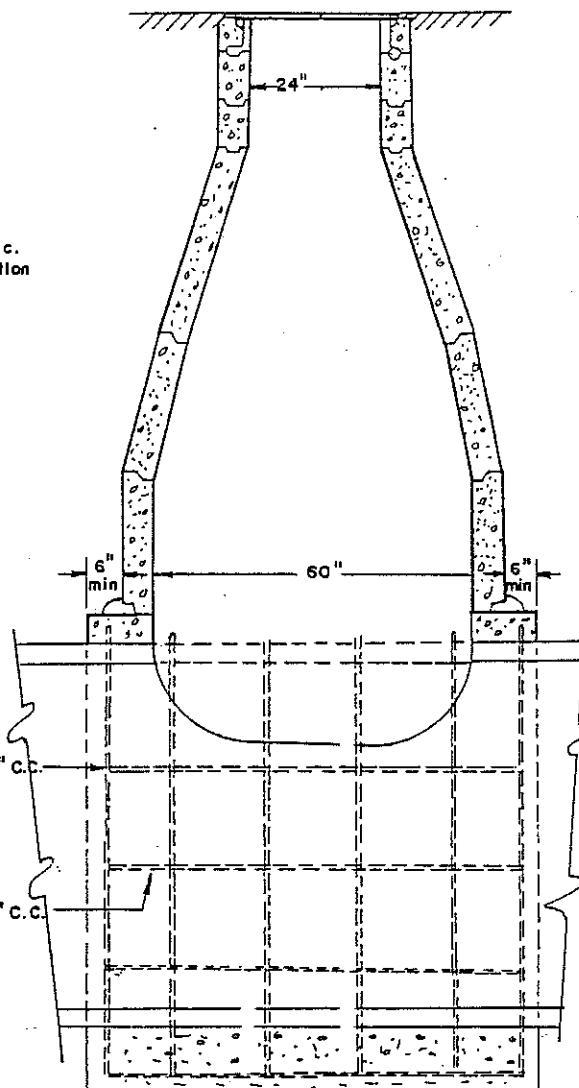
DATE :

2/10/89

3-14



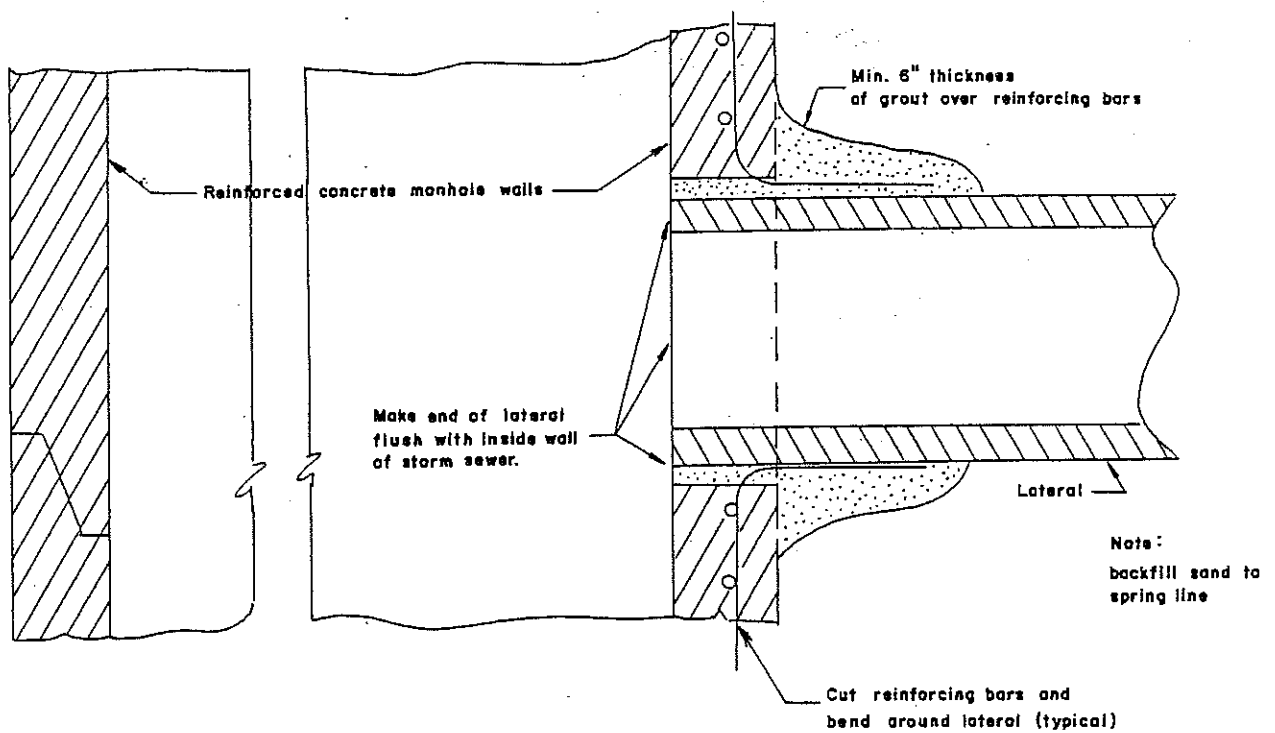
END VIEW



SIDE VIEW

ECCENTRIC MANHOLE

51" PIPE OR LARGER



STANDARD CONNECTION TO MANHOLE WALL

**CITY OF CUPERTINO
STANDARD DETAILS**

APPROVED BY :

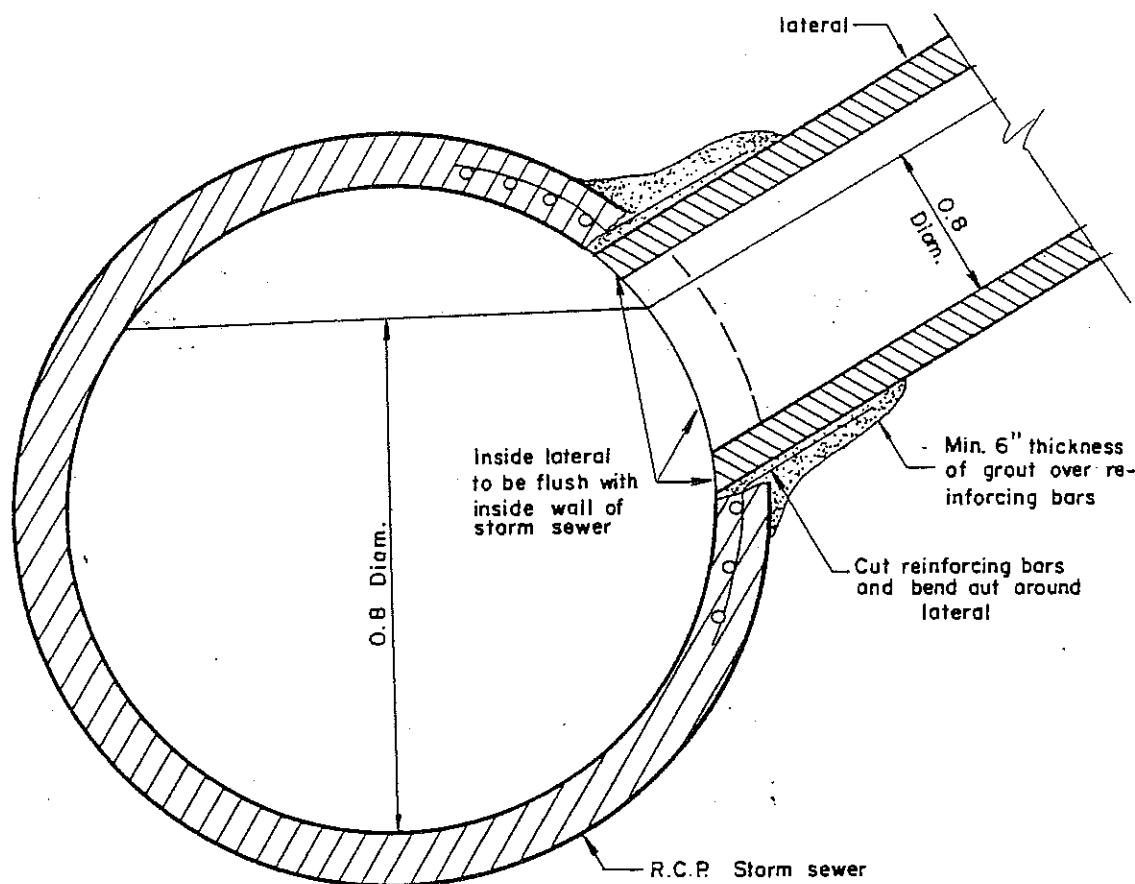
CITY ENGINEER

DATE :

2/10/89

3-18

Note:
backfill sand to
spring line.



NOTE: Subject to approval of City Engineer.
Smaller pipe diameter shall not exceed
1/4 of the diameter of the larger pipe.

STANDARD CONNECTION TO REINFORCED CONCRETE
PIPE - 48" R.C.P. and LARGER

CITY OF CUPERTINO
STANDARD DETAILS

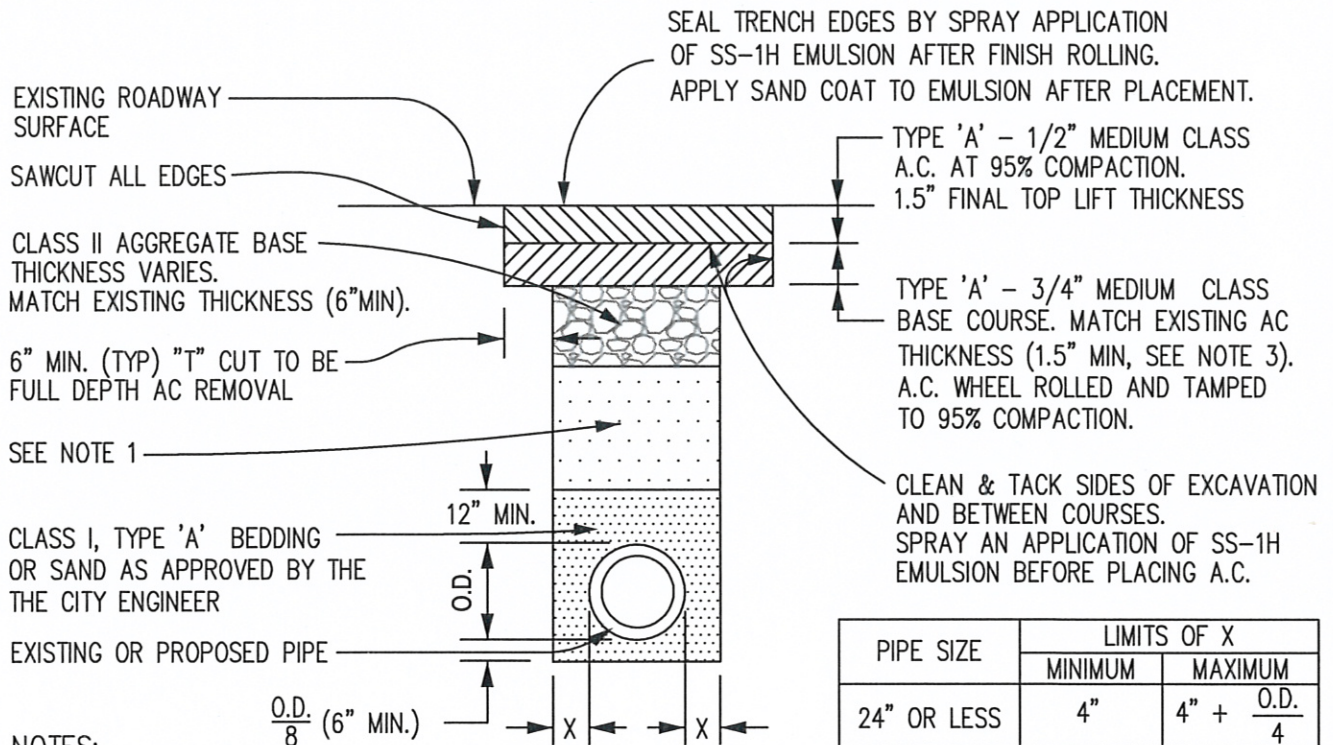
APPROVED BY

[Signature]
CITY ENGINEER

DATE:

2/10/84

3-20



PIPE SIZE	LIMITS OF X	
	MINIMUM	MAXIMUM
24" OR LESS	4"	$4" + \frac{O.D.}{4}$
27" AND GREATER	6"	$6" + \frac{O.D.}{4}$

NOTES:

1) TRENCH BACKFILL:

CLASS II OR CLASS III AGGREGATE BASE AT 95% COMPACTION, OR CONTROLLED DENSITY BACKFILL, SHALL BE USED FOR TRENCH BACKFILL.

NATIVE MATERIALS MAY BE USED AS BACKFILL ONLY WITH WRITTEN CONSENT FROM THE CITY ENGINEER. NATIVE BACKFILL COMPACTION SHALL BE 95%, UNLESS OTHERWISE PERMITTED IN WRITING BY THE CITY ENGINEER. RELATIVE COMPACTION PER ASTM D1557, D2922, D2216 AND 03017. CONTRACTOR SHALL VERIFY SUITABILITY OF NATIVE BACKFILL PRIOR TO BEGINNING CONSTRUCTION.

2) IF EDGE OF TRENCH IS 3' OR LESS FROM THE LIP OF GUTTER, THE CONTRACTOR SHALL REPAVE TO THE LIP OF GUTTER.

3) NEW ASPHALT THICKNESS SHALL MATCH EXISTING ASPHALT THICKNESS (3" MINIMUM TOTAL THICKNESS IS REQUIRED).

EXISTING STREET TRENCH RESTORATION

TO BE USED FOR ALL PUBLIC STORM DRAIN PIPE

REV 2/6/17

CITY OF CUPERTINO
STANDARD DETAILS

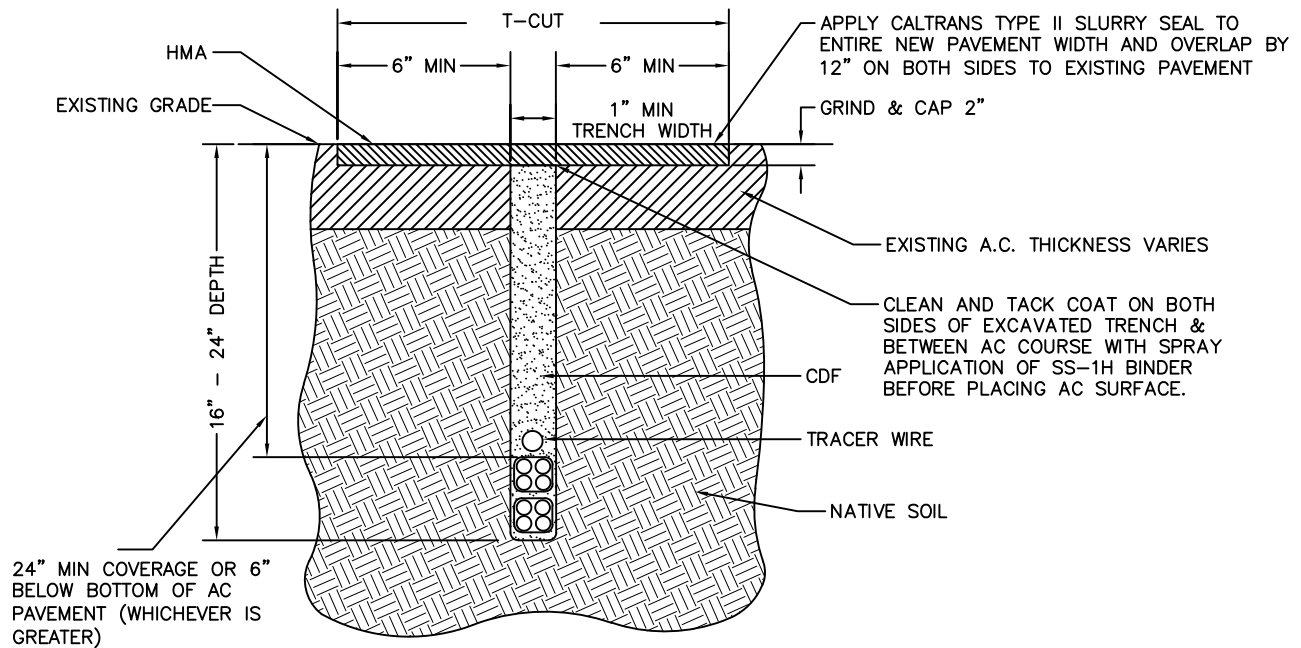
APPROVED BY:

[Signature]
CITY ENGINEER

DATE:

2/13/17

4-24



SPECIFICATIONS

LIMITS OF REMOVALS, TRENCH WIDTH AND LOCATION

1. MICROTRENCHING SHALL ONLY BE USED TO INSTALL TELECOMMUNICATION CONDUITS AND WITH APPROVAL AT THE SOLE DISCRETION OF THE CITY ENGINEER.
2. THE MICROTRENCH SHALL BE CONSTRUCTED WITH CONTINUOUS UNIFORM, STRAIGHT AND NEAT EDGES.
3. MICROTRENCH ALIGNMENTS SHALL CONSIST OF RUNS PARALLEL TO THE CENTERLINE OF THE STREET UNLESS APPROVED BY THE CITY ENGINEER. STREET CROSSINGS MAY BE DONE PROVIDED THE ALIGNMENT IS PERPENDICULAR TO THE STREET CENTERLINE TO THE EXTENT POSSIBLE.
4. PREFERRED LOCATION FOR MICROTRENCHES SHALL BE AT THE EXISTING LIP OF GUTTER. FOR ANY MICROTRENCH WITHIN 3- FEET OF THE LIP OF GUTTER, THE PERMITTEE, IN ADDITION TO THE TRENCH T-CUT, SHALL GRIND 2-INCHES DEEP OF PAVEMENT FROM THE EDGE OF THE MICROTRENCH TO THE LIP OF GUTTER AND SHALL RESTORE THE AREA WITH 2\" OF HMA.
5. THE MICROTRENCH WIDTH SHALL BE A MINIMUM OF 1\".
6. MICROTRENCHING IS NOT ALLOWED THROUGH EXISTING CURB, GUTTER, BUS PAD, PCC STREET SECTIONS, SIDEWALK, PARKSTRIP, SPECIAL PAVEMENTS, SUCH AS DECORATIVE ASPHALT OR PAVERS, OR SIMILAR ELEMENTS.
7. MICROTRENCHING THROUGH A PAVEMENT MORATORIUM STREET IS NOT ALLOWED.
8. THE CONDUIT SHALL BE INSTALLED AT A MINIMUM DEPTH OF 24\" BELOW THE EXISTING AC PAVEMENT SURFACE, OR AT LEAST 6\" BELOW THE BOTTOM OF THE AC PAVEMENT, WHICHEVER IS GREATER.

BACKFILL

1. ALL MICROTRENCHES SHALL BE COMPLETELY BACKFILLED TO FINISH GRADE BY THE END OF THE WORK DAY WITH CONTROL DENSITY FILL (CDF) THAT MEETS THE BELOW REQUIREMENTS:
 - A. 24 HOUR MINIMUM STRENGTH: 100 PSI
 - B. FULLY CURED (28 DAY) MAXIMUM STRENGTH: 1000 PSI
2. PRIOR TO APPLICATION IN FIELD, SUBMIT CDF MIX DESIGN WITH STRENGTH DATA FOR REVIEW AND APPROVAL. MIX DESIGN MAY ALSO BE SUBJECT TO TESTING.
3. UPON FULL PAVEMENT RESTORATION, APPLY CALTRANS TYPE II SLURRY SEAL TO ENTIRE NEW PAVEMENT WIDTH AND AN ADDITIONAL 12\" OF EXISTING PAVEMENT ON BOTH SIDES OF T-CUT.

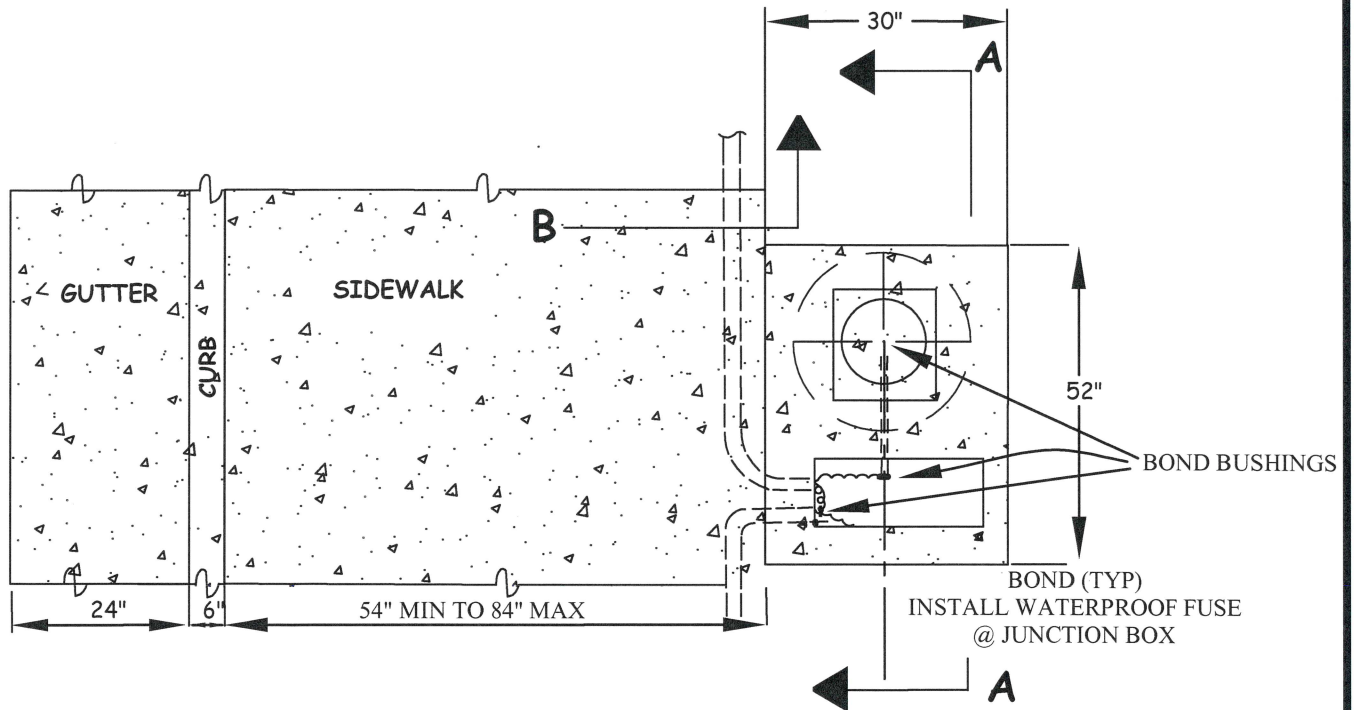
GRIND AND RESURFACE SECTION

1. COMMENCEMENT OF SURFACE RESTORATION SHALL OCCUR NO SOONER THAN 48 HOURS (BUT NO LATER THAN 30 DAYS) AFTER CDF BACKFILL, AND AS NECESSARY TO ENSURE PROPER CURING OF MATERIAL. AS SOON AS CDF BACKFILL HAS CURED, EXISTING AC PAVEMENT AND CDF BACKFILL SHALL BE GROUND DOWN 2\", FOR NO LESS THAN 6\" FROM BOTH EDGES OF THE MICROTRENCH AND RESURFACE WITH HMA.
2. THE 2\"SURFACE CAP SHALL BE PLACED THE SAME DAY AS THE PAVEMENT GRINDING. ALL LOCATIONS OPENED WITH A GRINDER MUST BE PAVED BY THE END OF THE DAY. NO PORTION OF ROADWAY SHALL REMAIN BELOW SURFACE GRADE AFTER WORKING HOURS UNLESS APPROVED BY THE CITY ENGINEER.

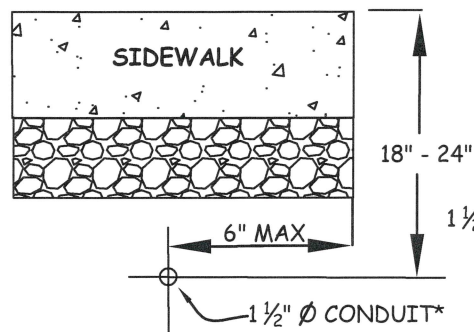
VAULTS AND SERVICE CONNECTORS

1. CONNECTION TO SERVICE LATERALS, JUNCTION BOXES, ETC., SHALL BE DONE SUCH THAT THE CURB AND GUTTER IS NOT DISTURBED, SETTLED, OR DAMAGED. REMOVAL LIMITS OF SIDEWALK SHALL FOLLOW APPLICABLE STANDARD AND REQUIREMENTS AS APPROVED BY THE CITY ENGINEER.

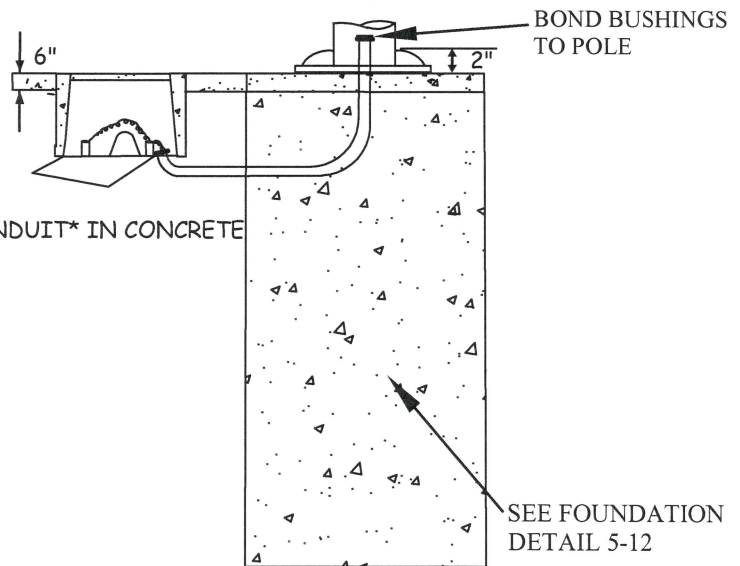
MICROTRENCHING - DETAIL AND SPECIFICATIONS



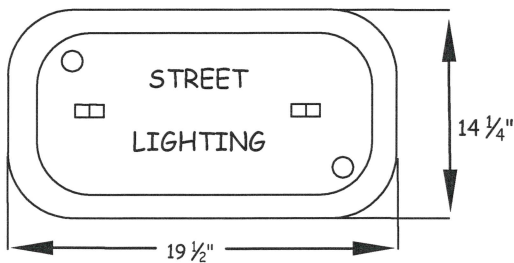
CONDUCTOR SPLICE PER STATE DETAIL ES-13
"PRESSURE CONNECTOR" AND "WATERPROOF"



B SECTION



SECTION A-A



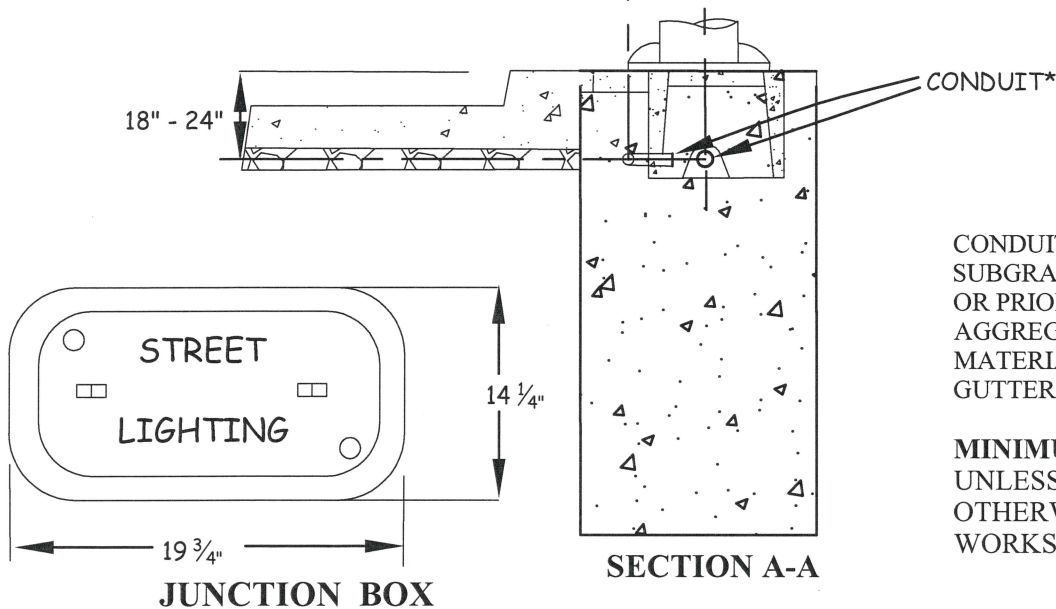
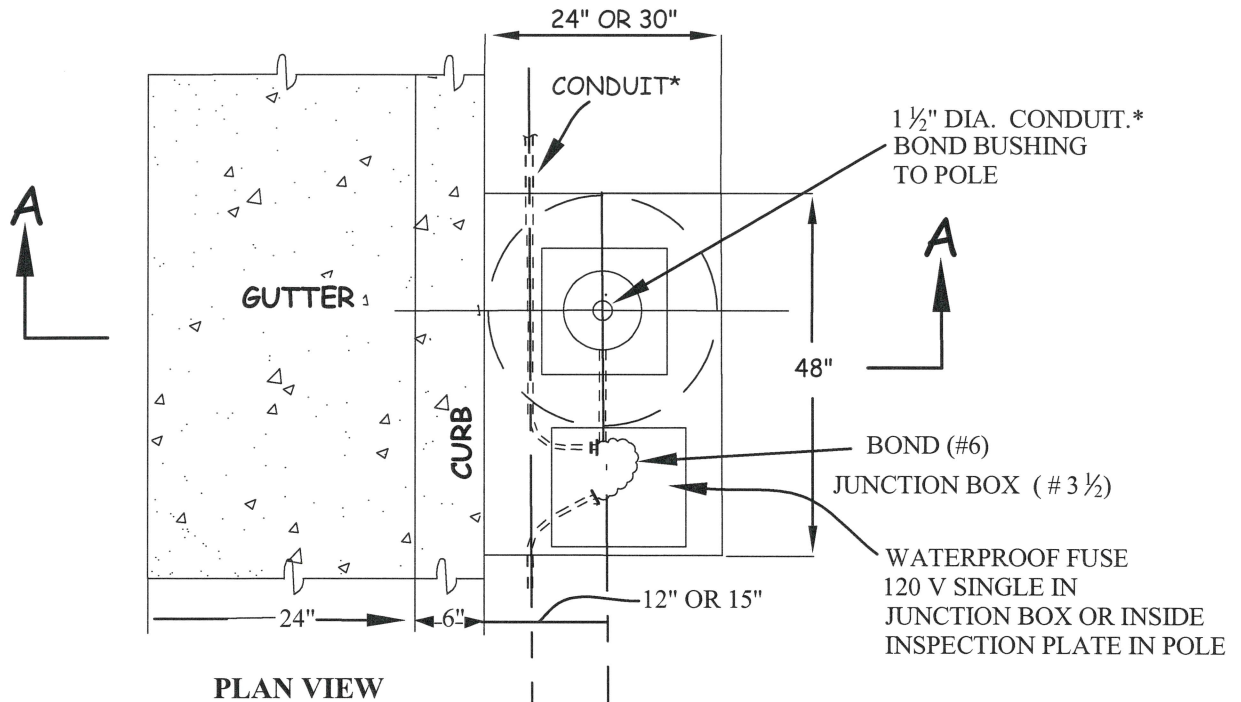
JUNCTION BOX

STATE OF CALIFORNIA #3 1/2 - CONCRETE BOX
NOTE: BOTTOM OF BOX SHALL BE LINED WITH
CONCRETE. A 3/4" DRAIN HOLE SHALL BE PLACED
AT LOW POINT IN CONCRETE

*CONDUIT SHALL BE RIGID METAL UNLESS PVC IS
APPROVED BY THE PUBLIC WORKS DEPARTMENT
(PVC IS PROHIBITED WITHIN POLE FOUNDATION)

ELECTROLIER AND CONDUIT LOCATION

SEE LIGHTING NOTES FOR OTHER ADDITIONAL INFORMATION



CONDUIT* TO BE PLACED ON
SUBGRADE BY TRENCHING
OR PRIOR TO PLACEMENT OF
AGGREGATE BASE
MATERIAL FOR CURB AND
GUTTER

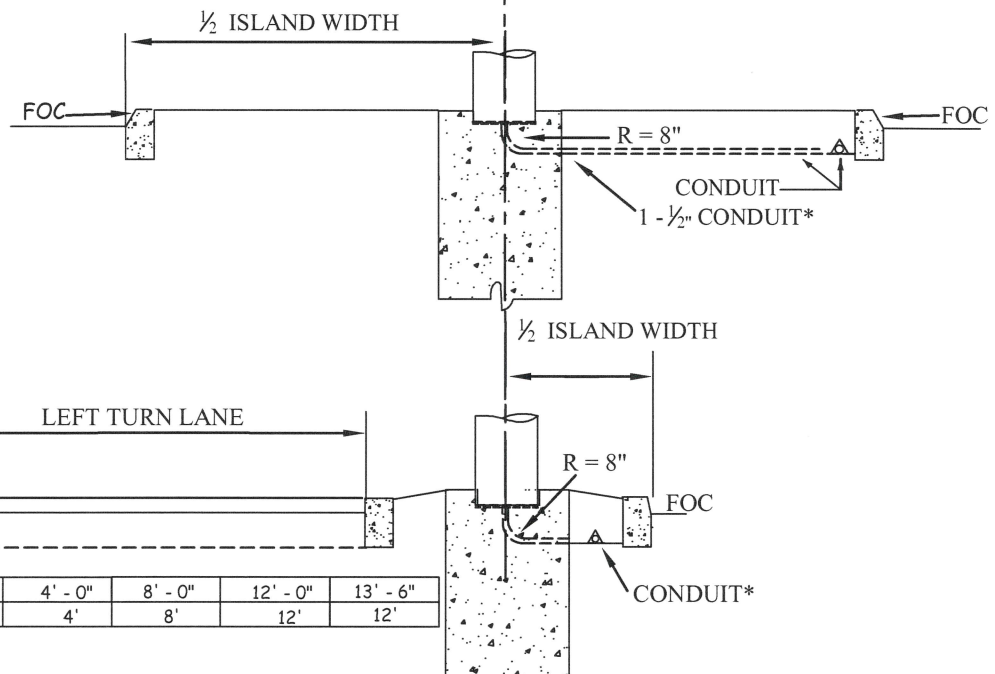
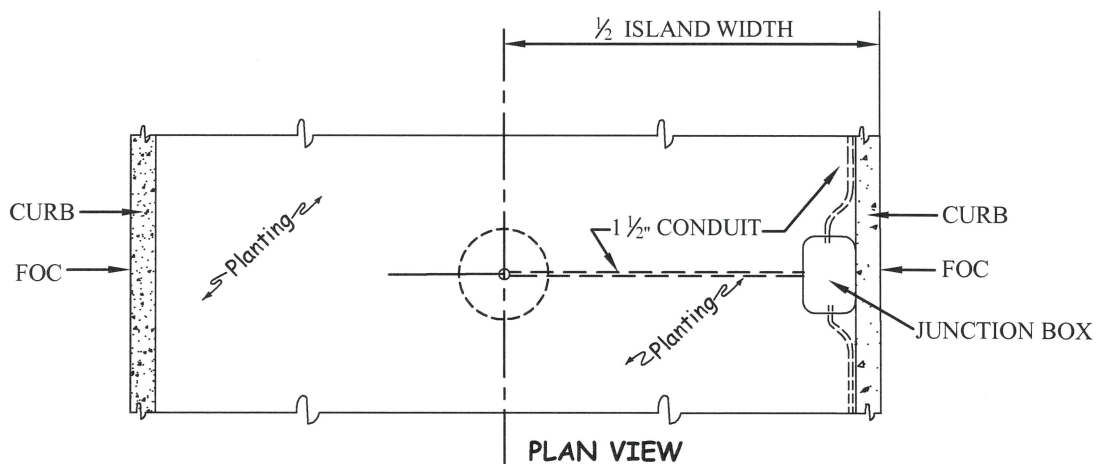
MINIMUM DEPTH 24"
UNLESS APPROVED
OTHERWISE BY PUBLIC
WORKS DEPARTMENT

JUNCTION BOX
STATE OF CALIFORNIA #3 1/2 - CONCRETE BOX
NOTE: BOTTOM OF BOX SHALL BE LINED WITH
CONCRETE. A 3/4" DRAIN HOLE SHALL BE PLACED
AT LOW POINT IN CONCRETE

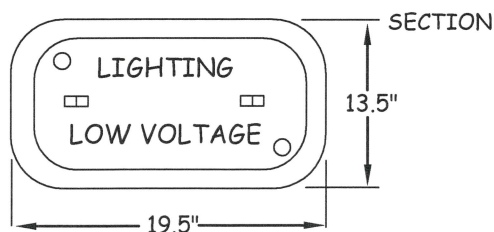
***CONDUIT SHALL BE RIGID METAL UNLESS PVC IS
APPROVED BY THE PUBLIC WORKS DEPARTMENT
(PVC IS PROHIBITED WITHIN POLE FOUNDATION)**

ELECTROLIER AND CONDUIT LOCATION

SEE LIGHTING NOTES FOR OTHER ADDITIONAL INFORMATION



FOC to $\mathcal{C}$ elect	2' - 0"	2' - 6"	4' - 0"	8' - 0"	12' - 0"	13' - 6"
Arm Length	3'	3'	4'	8'	12'	12'



JUNCTION BOX

STATE OF CALIFORNIA #3 1/2 - CONCRETE BOX
NOTE: BOTTOM OF BOX SHALL BE LINED WITH
CONCRETE AND A 3/4\"

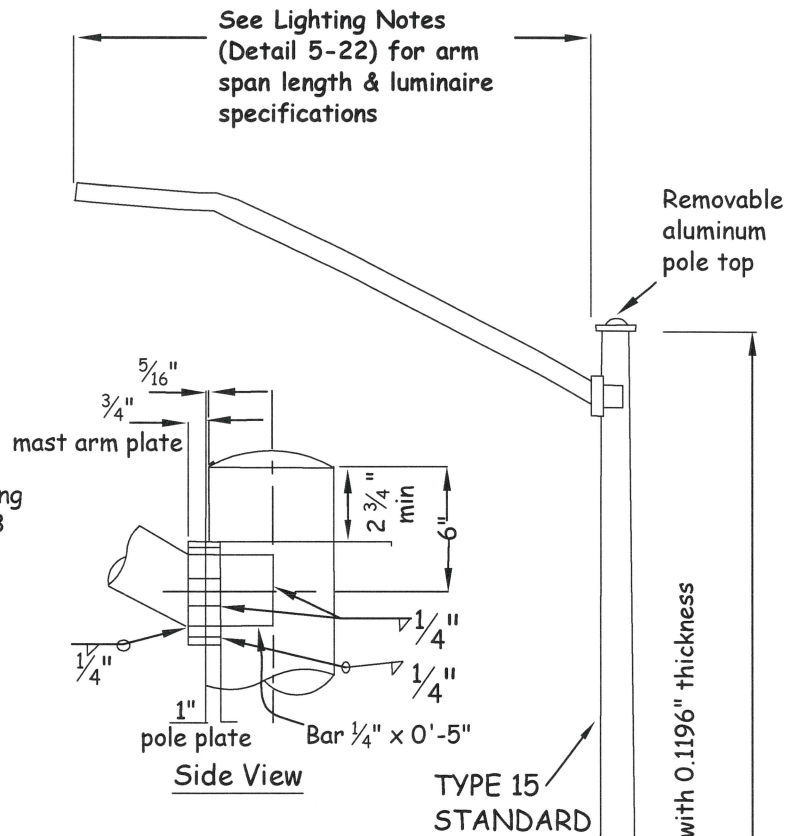
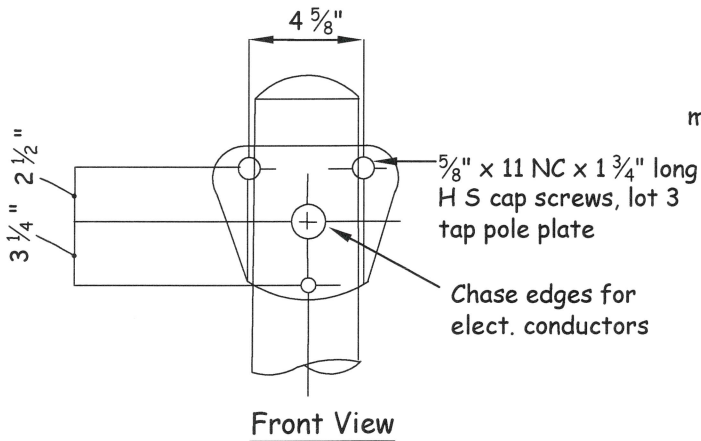
MINIMUM DEPTH 24"
UNLESS APPROVED
OTHERWISE BY PUBLIC
WORKS DEPARTMENT

CONDUIT* TO BE PLACED ON SUBGRADE BY
TRENCHING OR PRIOR TO PLACEMENT OF
AGGREGATE BASE MATERIAL FOR CURB AND GUTTER

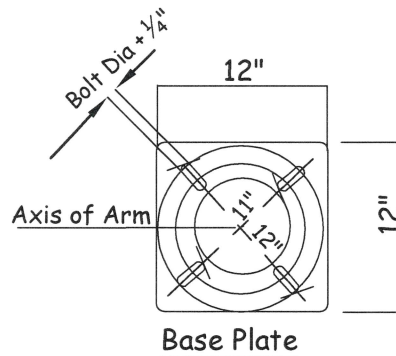
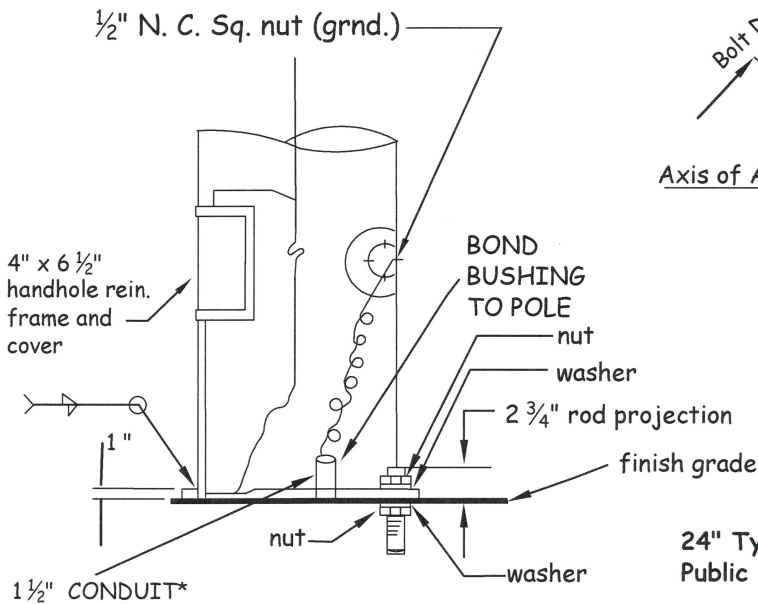
*CONDUIT SHALL BE RIGID METAL UNLESS PVC IS
APPROVED BY THE PUBLIC WORKS DEPARTMENT

ELECTROLIER AND CONDUIT LOCATION IN MEDIAN ISLANDS

***CONDUIT SHALL BE RIGID METAL
UNLESS PVC IS APPROVED BY
THE PUBLIC WORKS DEPARTMENT**



ARM ATTACHMENT DETAIL



10's MIN
COLOR CODED
(TYP)

CAPS

24" Typical unless approved otherwise by
Public Works Department

1 1/2" conduit*

3" Clear

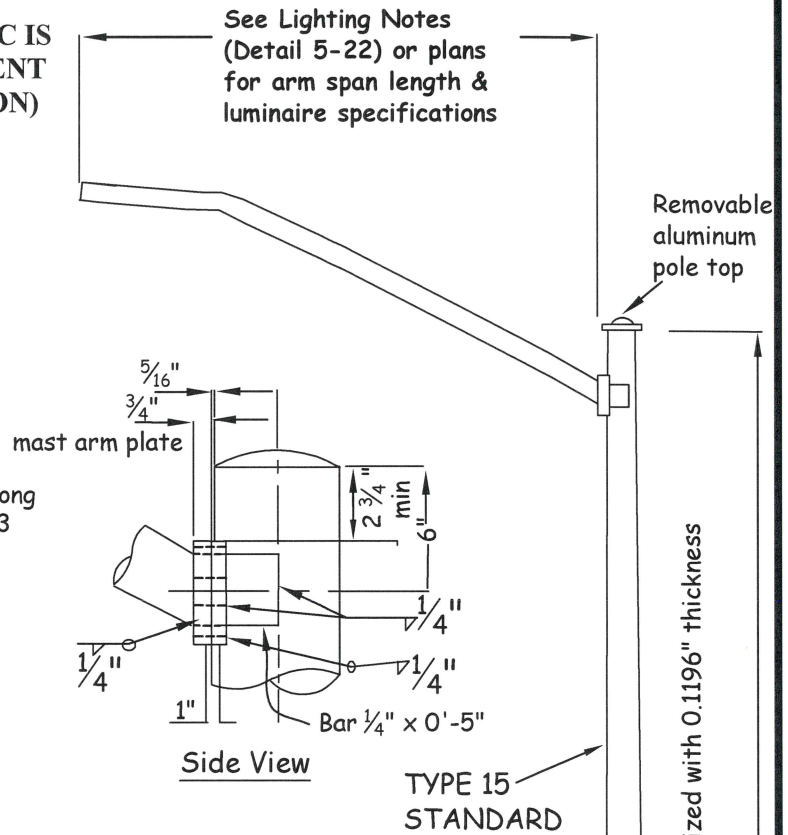
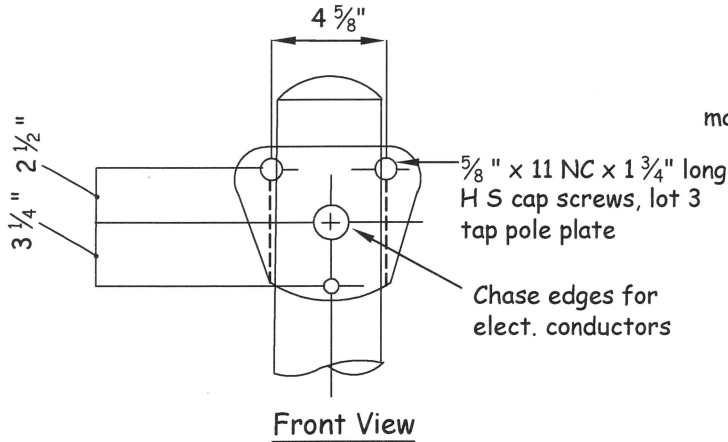
foundation

**Note: Handhole shall be located on down
stream side of traffic.**

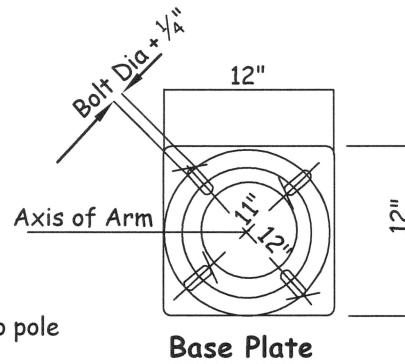
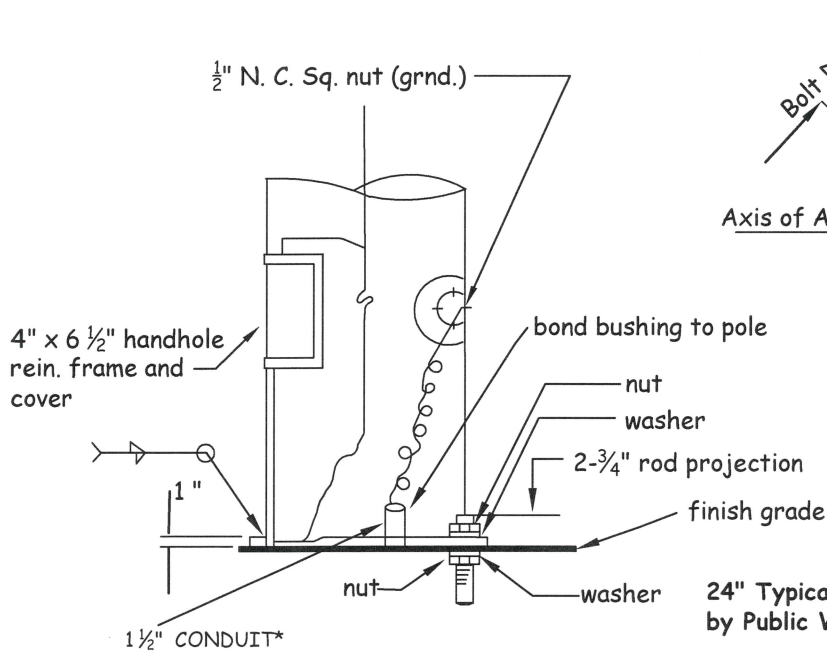
35' ELECTROLIER STANDARD

SEE LIGHTING NOTES FOR ADDITIONAL INFORMATION

***CONDUIT SHALL BE RIGID METAL UNLESS PVC IS APPROVED BY THE PUBLIC WORKS DEPARTMENT (PVC IS PROHIBITED WITHIN POLE FOUNDATION)**



ARM ATTACHMENT DETAIL

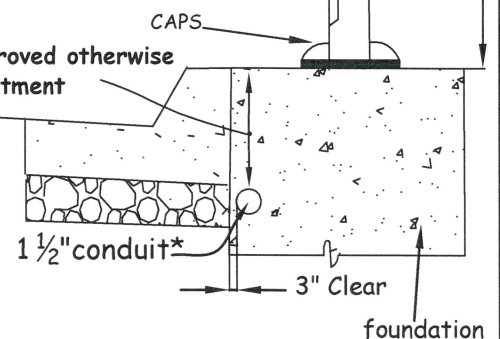


10's MIN
COLOR CODED
(TYP)

Note: Handhole shall be located on down stream side of traffic.

30' ELECTROLIER STANDARD

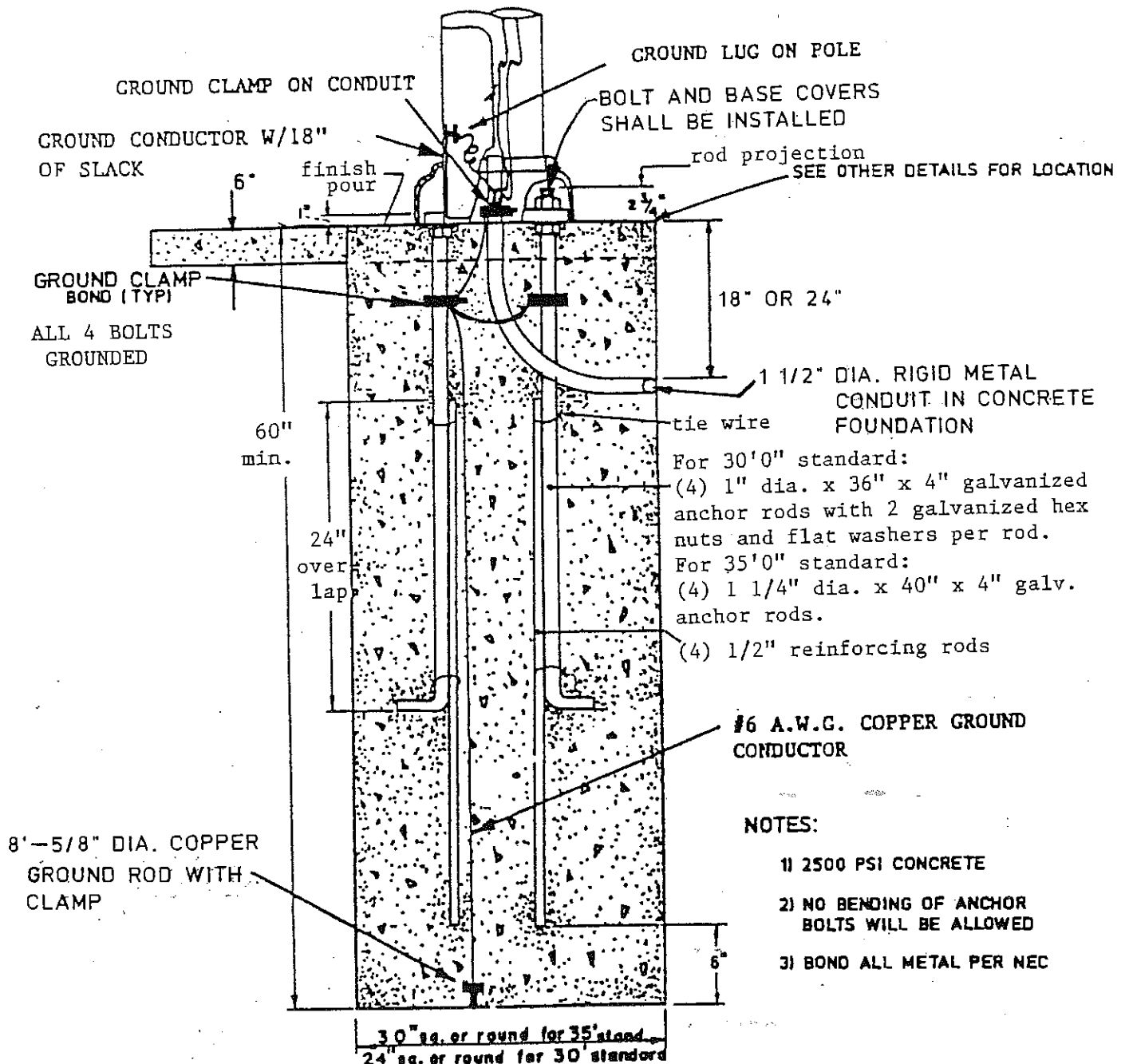
SEE LIGHTING NOTES FOR ADDITIONAL INFORMATION
30' POLE IS STANDARD POLE HEIGHT UNLESS OTHERWISE NOTED



SEE OTHER SHEETS
FOR BOX DETAILS

11" or 11 1/2" bolt
circle

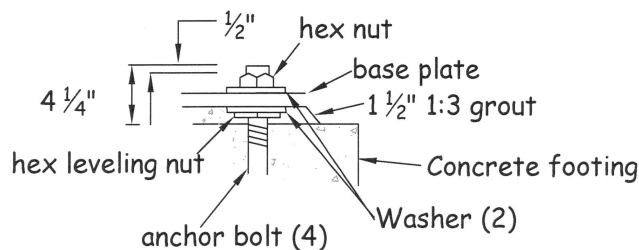
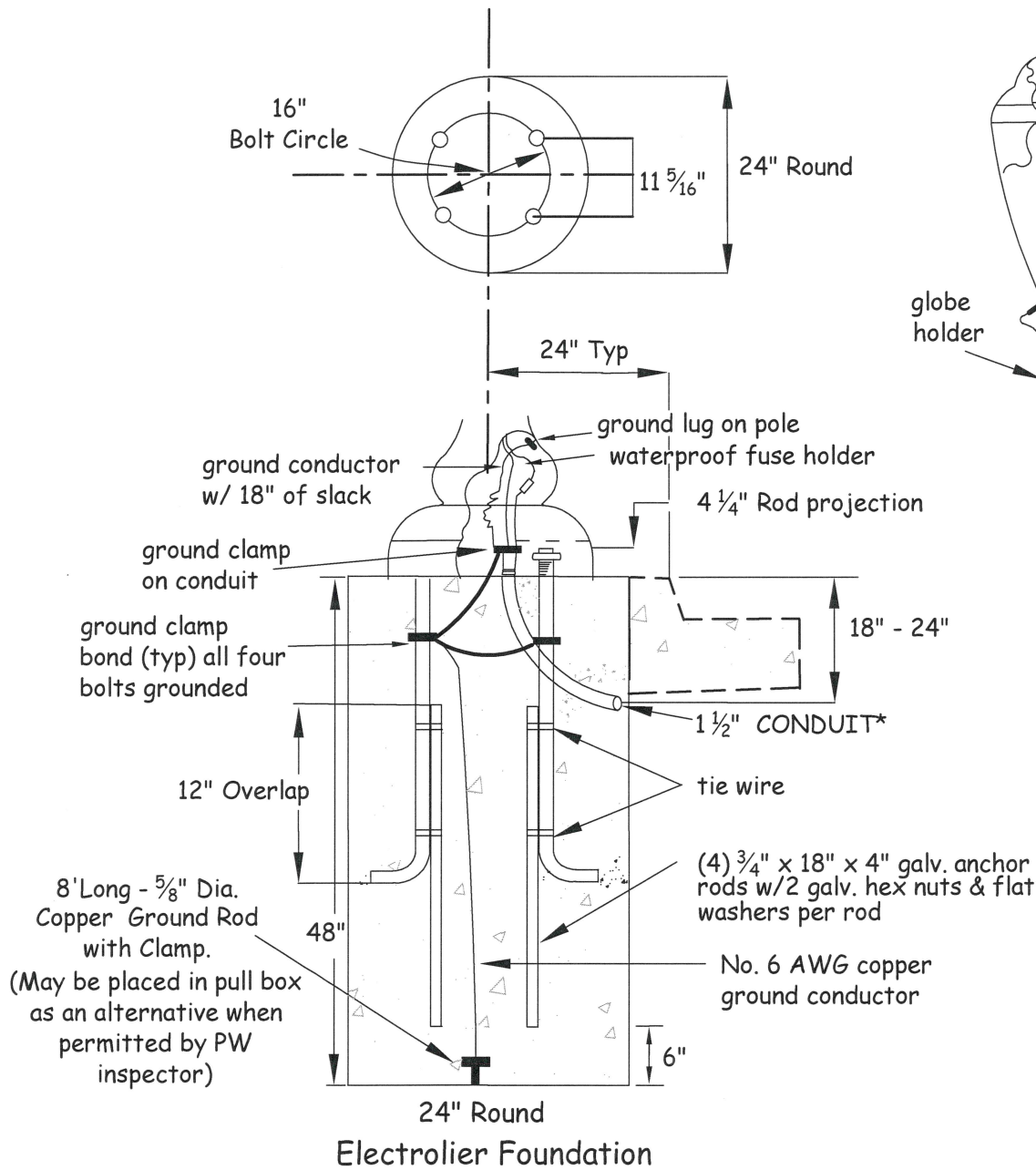
FOUNDATION DIAMETER



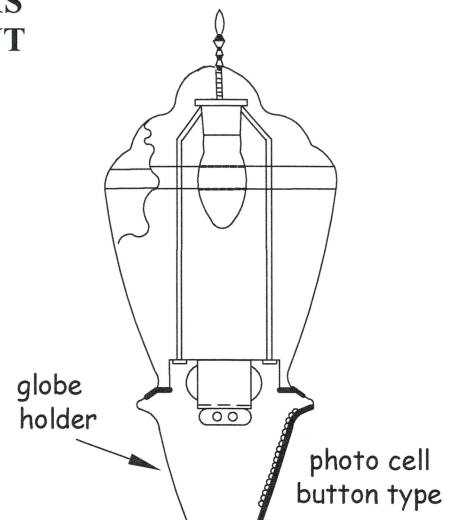
ELECTROLIER FOUNDATION

REVISED 9/16/99

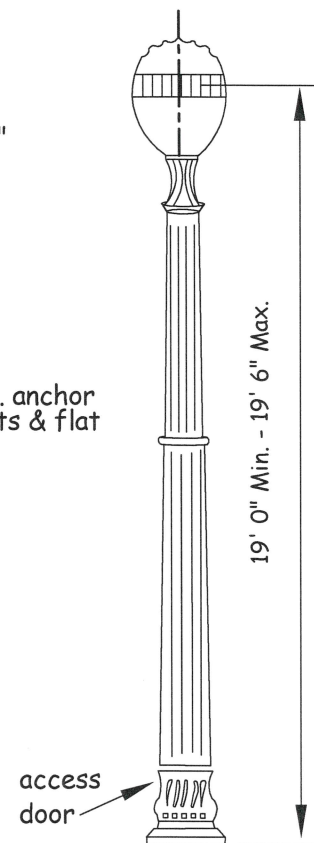
***CONDUIT SHALL BE RIGID METAL UNLESS PVC IS APPROVED BY THE PUBLIC WORKS DEPARTMENT**



Base Plate & Anchor Bolt



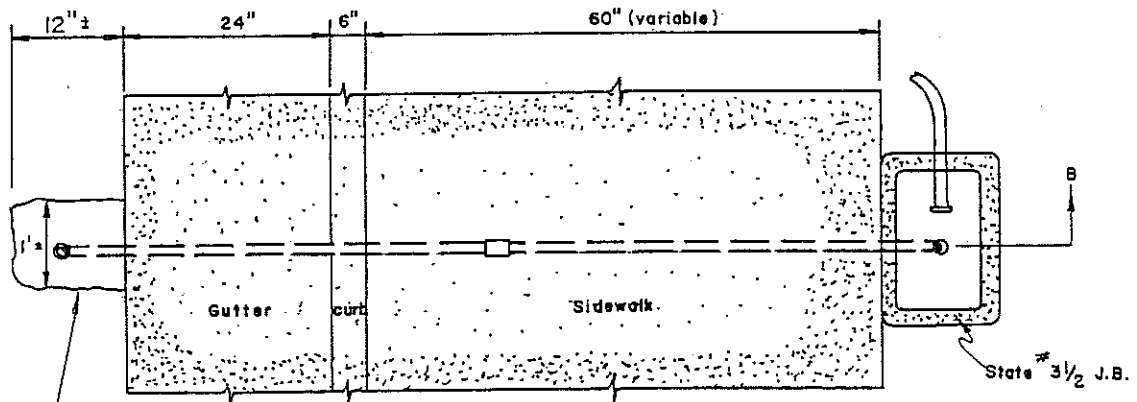
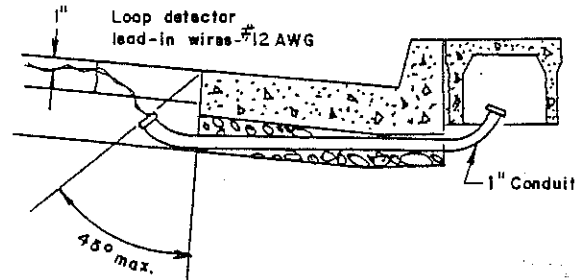
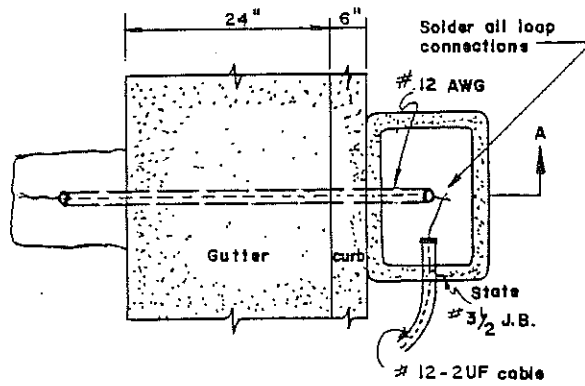
Switch (PEC)



Elevation

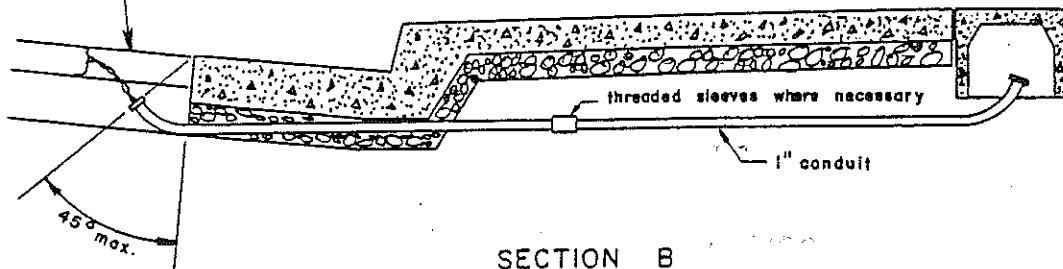
TRADITIONAL ELECTROLIER

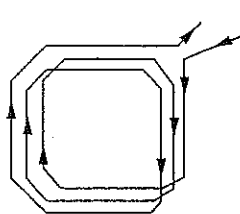
CONDUIT DETAIL LOOP DETECTOR LEAD-IN WIRES



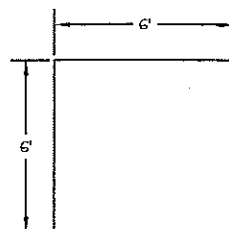
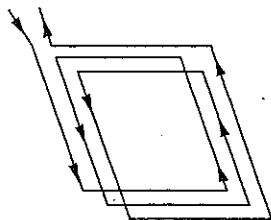
Cut pavement and backfill "in-kind"

PLAN

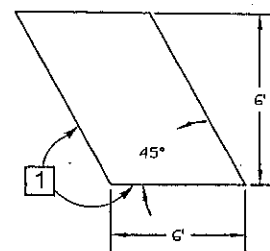




WINDING DETAIL



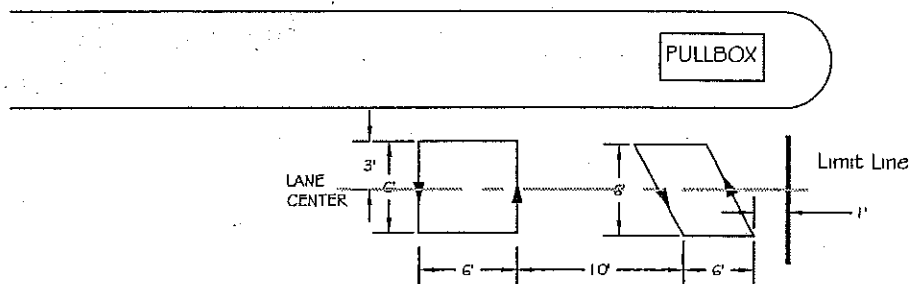
SAWCUT DETAIL



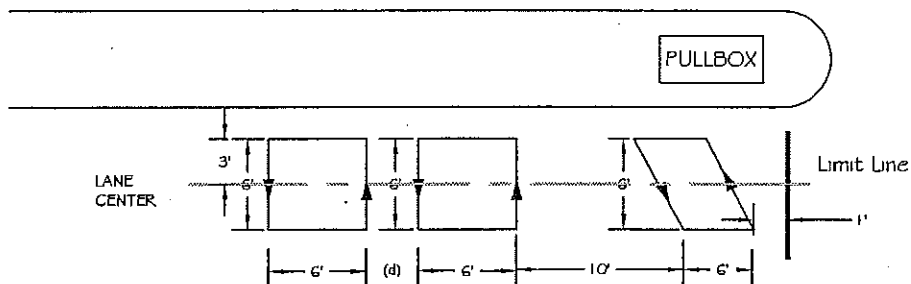
1 ROUND CORNERS OF ACUTE ANGLES TO PREVENT DAMAGE TO CONDUCTORS.

TERMINATION

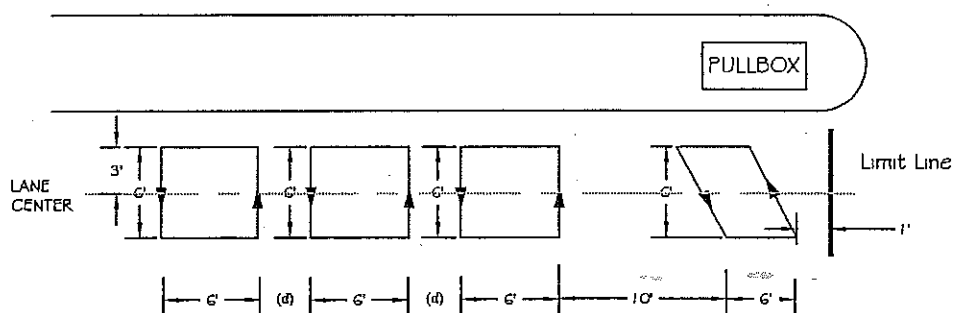
TYPE 3S



TYPE 4S



TYPE 5S



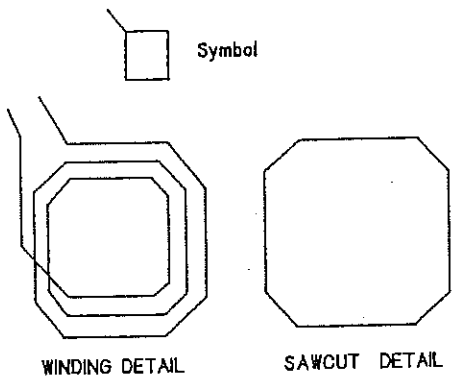
GENERAL NOTES:

$d = 10'$ unless noted otherwise

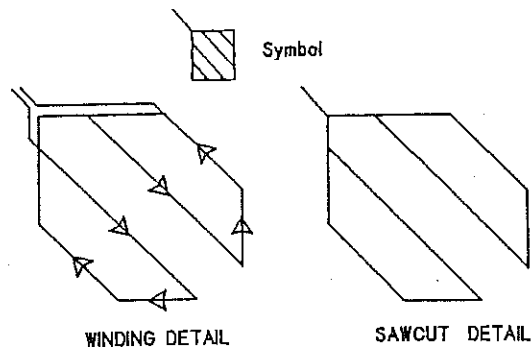
TYPICALLY USED IN LEFT TURN POCKETS.
HOWEVER, MAY BE USED FOR LIMIT LINE
DETECTION.

DIRECTION OF TRAVEL

TYPE 'S A' LOOP INSTALLATION



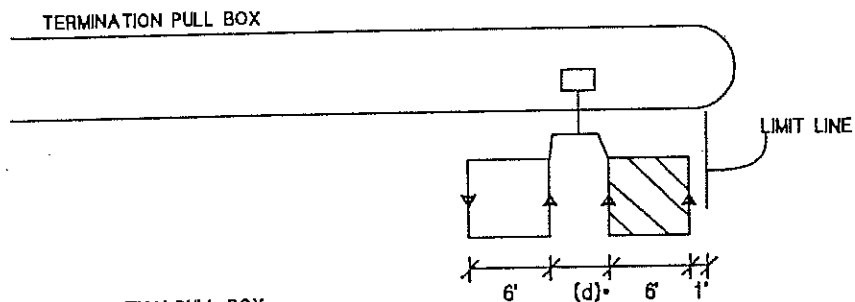
TYPE A LOOP DETECTOR CONFIGURATION



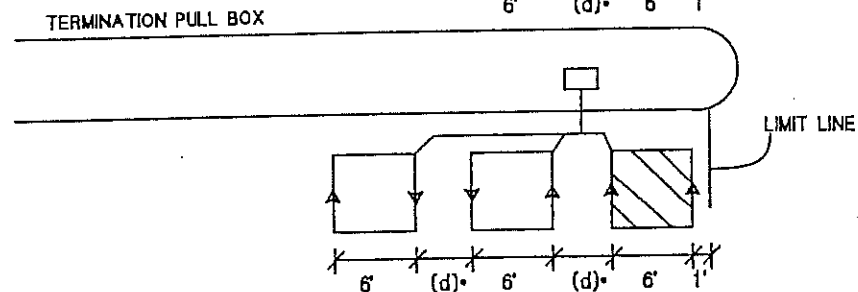
TYPE D LOOP DETECTOR CONFIGURATION

- 1 ROUND CORNER OF ACUTE ANGLES TO PREVENT DAMAGE TO CONDUCTORS
- 2 INSTALL FIVE (5) TURNS WHEN ONE TYPE D LOOP IS IN SERIES WITH AN ADDITIONAL 8' X 8' LOOP ON A SENSOR UNIT CHANNEL FOR SLOT DETAIL. SEE, LOOP INSTALLATION PROCEDURE, STANDARD PLAN, ES - 5A

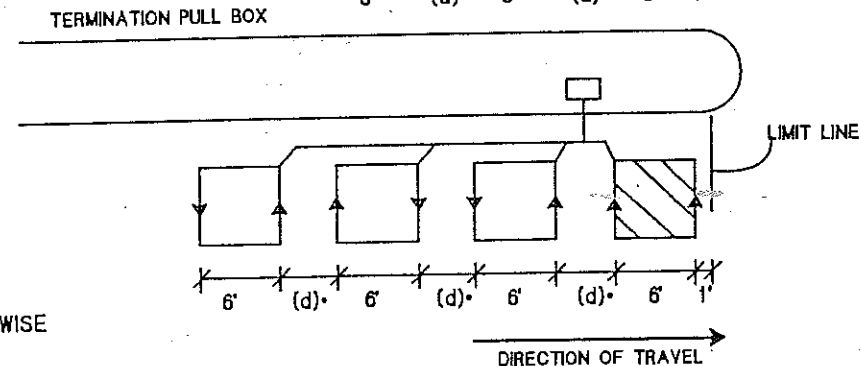
TYPE 3DA



TYPE 4DA(d)•



TYPE 5DA(d)•



• d= 10", UNLESS NOTED OTHERWISE

TYPE 'DA' LOOP INSTALLATION

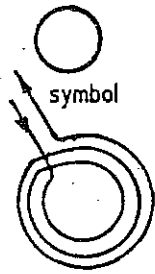
CITY OF CUPERTINO
STANDARD DETAIL

APPROVED:

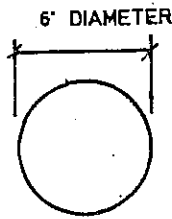
CITY ENGINEER

DATE: 7/27/94

5-18

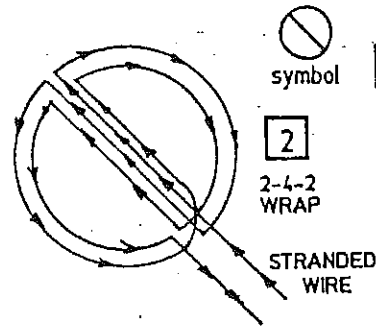


WINDING DETAIL

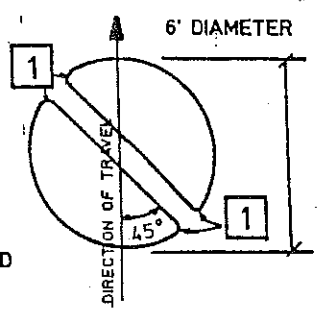


SAWCUT DETAIL

CIRCULAR LOOP DETECTOR
CONFIGURATION



WINDING DETAIL

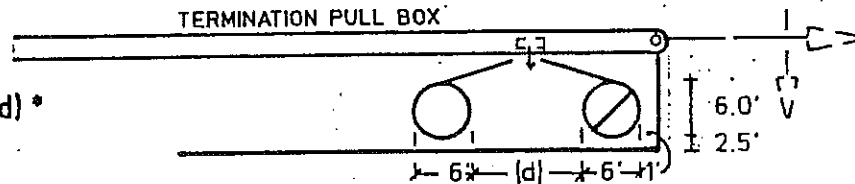


SAWCUT DETAIL

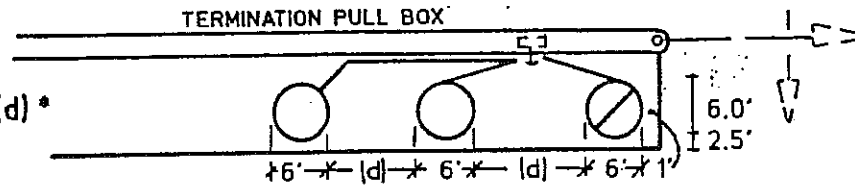
QC LOOP DETECTOR
CONFIGURATION

- 1 ROUND CORNERS OF ACUTE ANGLES TO PREVENT DAMAGE TO CONDUCTORS
- 2 INSTALL 2-4-2 TURNS WHEN ONE TYPE PHASE LOOP IS IN SERIES WITH AN ADDITIONAL CIRCULAR LOOP ON A SENSOR UNIT CHANNEL FOR SLOT DETAIL SEE, LOOP INSTALLATION PROCEDURE, STANDARD PLAN, ES-5A

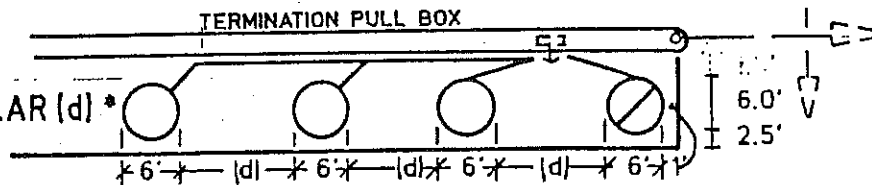
TYPE 3 QC / CIRCULAR (d) *



TYPE 4 QC / CIRCULAR (d) *



TYPE 5 QC / CIRCULAR (d) *

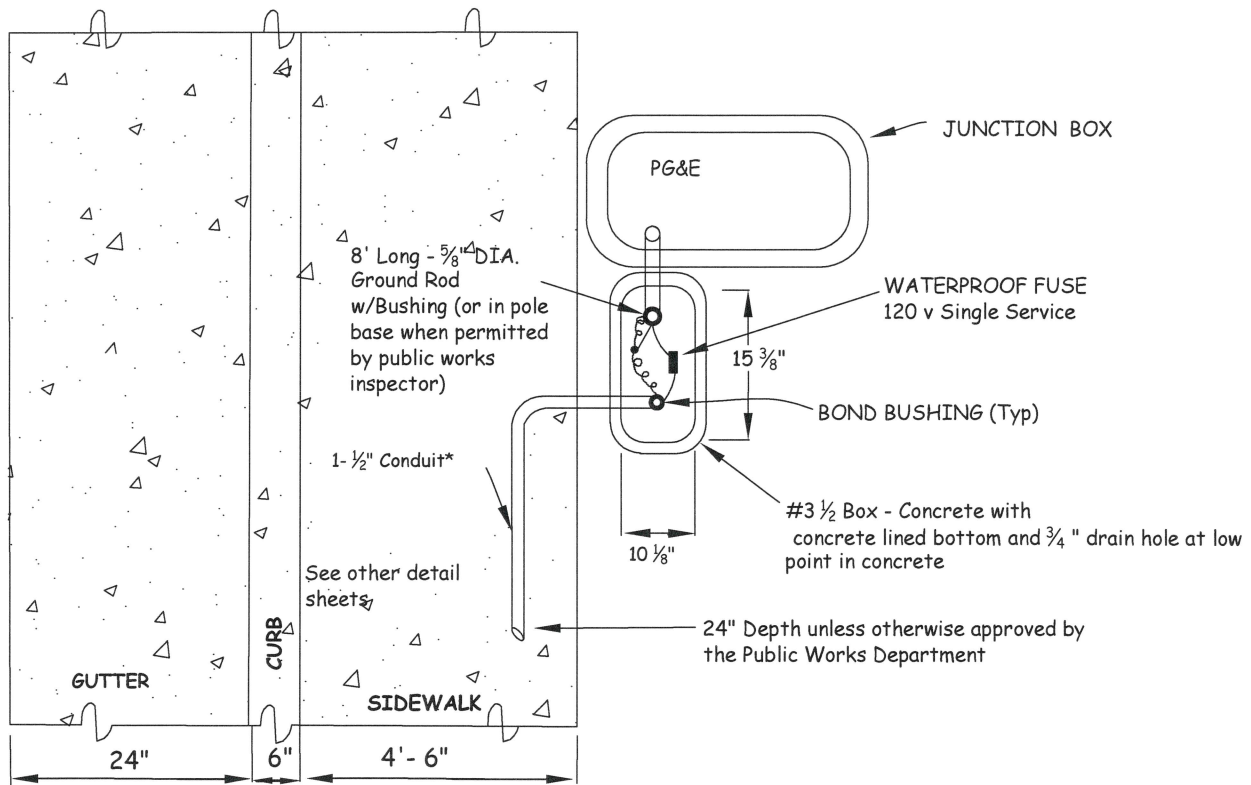


DIRECTION OF TRAVEL →

TYPE QC / CIRCULAR LOOP INSTALLATION

*d = 10' Unless noted otherwise

***CONDUIT SHALL BE RIGID METAL UNLESS PVC IS
APPROVED BY THE PUBLIC WORKS DEPARTMENT
(PVC IS PROHIBITED WITHIN POLE FOUNDATION)**



NOTES:

1. Conductors to be spliced in accordance with State Detail ES-13 "Pressure Connector" and "Waterproof"
2. See Lighting Notes (Detail 5-22)
3. Contact PG&E for additional information.
4. Fuses to be KTK-R type or equal.
5. Color code wires per State Specification.
6. Feeder conductors are to be a #8 min. with THW insulation
7. Contact U.S.A. prior to doing any work.
8. 8' - 5/8" diameter copper ground rod with bushing shall not be placed less than 6" to other grounding rods.
9. PVC Schedule 40 electrical type shall carry a separate grounding wire size of conductors.

SERVICE DETAIL

CITY OF CUPERTINO LIGHTING NOTES:

1. Luminaires, junction boxes, 1 ½" rigid metal conduit, 1 ½" PVC conduit, and poles shall comply with Section 86 of the Caltrans Standard Specifications (latest edition) and City Standard Details unless otherwise noted.
2. Luminaires may be cut off, Type M-II or M-III I.E.S. light distribution, unless otherwise noted. At cul-de-sacs M-III or better is required unless otherwise noted. See the plans.
3. The electrolier arm length shall be twelve feet (12') for forty foot (40') street widths with sidewalks, eight feet (8') for forty foot (40') street widths without sidewalks, and shall be fifteen feet (15') at cul-de-sacs. See plans for other applications.
4. The service supplying any electrolier circuit shall be fused and grounded in accordance with National Electrical Code at the first junction box. An additional fuse is required at each electrolier on any ungrounded conductor. Conductors shall be #8 THW unless otherwise noted and all services should be 120V. Photo electric unit control is to be at luminaire unless otherwise noted.
5. The electrical contractor shall obtain a service point confirmation and a clearance from Public Works Department prior to installing any foundations, poles, conduits, and conductors. Also, U.S.A. shall be used to verify locations of other utilities.
6. Prior to placing any work other than curb and gutter, the developer shall supply the Public Works Department with a Pacific Gas and Electric Company electrical power design with electrical services points and pole numbers.
7. A Public Works Department connection order is required to energize any electrolier. A connection order is provided by the City of Cupertino after completion and inspection for submittal to PG&E.
8. Contact Pacific Gas & Electric Company for additional requirements and contact Public Works Department for inspection of foundations forty eight (48) hours prior to foundation pouring, and electrical inspection.
9. The electrical contractor shall supply to the City for approval, manufacturer's submittals on all Luminaires. Induction is the City Standard. Wattage as directed by engineer. Typical wattage shall be 40W on residential roads, 120 W on major collectors and 150 W at signalized intersections.
10. Street lights are to be installed, inspected and turned on as soon as possible.
11. All conductors shall be sized in accordance with the National Electrical Code.
12. All overload protection (fuses) shall be sized in accordance with the National Electrical Code.
13. Whenever a new installation is near any overhead wires, a clearance must be obtained from PG&E prior to foundation installations.
14. Conduit depth to be 18" (min) to 24" (max) unless otherwise approved by the City Engineer.

CITY OF CUPERTINO TREE PROTECTION REQUIREMENTS:

1. Prior to any construction operations contractor shall construct and maintain, for each protected tree on a construction site, protective fencing which encircles the outer limits of the Tree Protection Zone (TPZ). The TPZ is calculated to be a radius of 6 times the diameter of the tree's trunk measured 4.5 feet above the natural grade, or as otherwise approved by the Director of Public Works.
2. All protective fencing shall be in place prior to commencement of any site work and remain in place until all exterior construction activity at the site has been completed.
3. Protective fencing shall be at least four (4) feet high, clearly visible, affixed to 2 inch galvanized posts driven into the ground no less than 8' on center, and shall have a tree protection sign affixed to the fence every twenty (20) feet in such a manner to be clearly visible and legible to workers on the site at a distance of twenty-five (25) feet. The sign(s) shall read "Keep Out Tree Protection Zone".
4. Install a 5-inch layer of mulch within the TPZ to aid in retaining moisture
5. Trees shall be kept well watered, especially during dry summer months. A long, slow soak over the entire root zone is the preferred method of watering. Frequent, shallow watering should be avoided, and water should not be directed at or near the trunks of trees.
6. The Contractor shall cause the required fencing and signage to be installed and maintained for the duration of the construction.
7. In situations where a protected tree remains in the immediate area of intended construction and the tree may be in danger of being damaged by construction equipment or other activity, the contractor or subcontractor shall protect the tree with 2"x4" lumber encircled with wire or other means that do not damage the tree. The intent is to protect the trunk of the tree against incidental contact by large construction equipment.
8. Material Storage: No storage or placement of materials intended for use in construction or waste materials accumulated due to excavation or demolition shall be placed within the limits of the TPZ of any protected tree.
9. Equipment Cleaning/Liquid Disposal: No equipment shall be cleaned or other liquids, including, without limitation, paint, oil, solvents, asphalt, concrete, mortar or similar materials shall be deposited or allowed to flow into the TPZ of a protected tree.
10. Tree Attachments: No signs, wires or other attachments, other than those of a protective nature, shall be attached to any protected tree.
11. Vehicular Traffic: No vehicular and/or construction equipment traffic or parking shall take place within the TPZ of any protected tree other than on existing street pavement.
12. No heavy equipment, including but not limited to trucks, tractors, trailers, bulldozers, excavators, skid steer tractors, trenchers, compressors, and hoists, shall be allowed inside the TPZ of any protected tree on any construction site.
13. Grade Changes: No grade changes shall be allowed within the limits of the TPZ of any protected tree unless adequate protective construction methods are approved in advance in writing by the city.
14. Impervious Paving: No paving with asphalt, concrete or other impervious materials shall be placed within the limits of the TPZ of a protected tree.
15. Root Pruning: Any roots two inches or larger in diameter which are exposed as a result of trenching or other excavation and which are permitted to be cut shall be cut off square with a sharp medium tooth saw and covered with natural fiber burlap within two hours of initial exposure.
16. All public sidewalks shall remain open, free and clear for public access, unless closure is permitted by the Public Works Department.

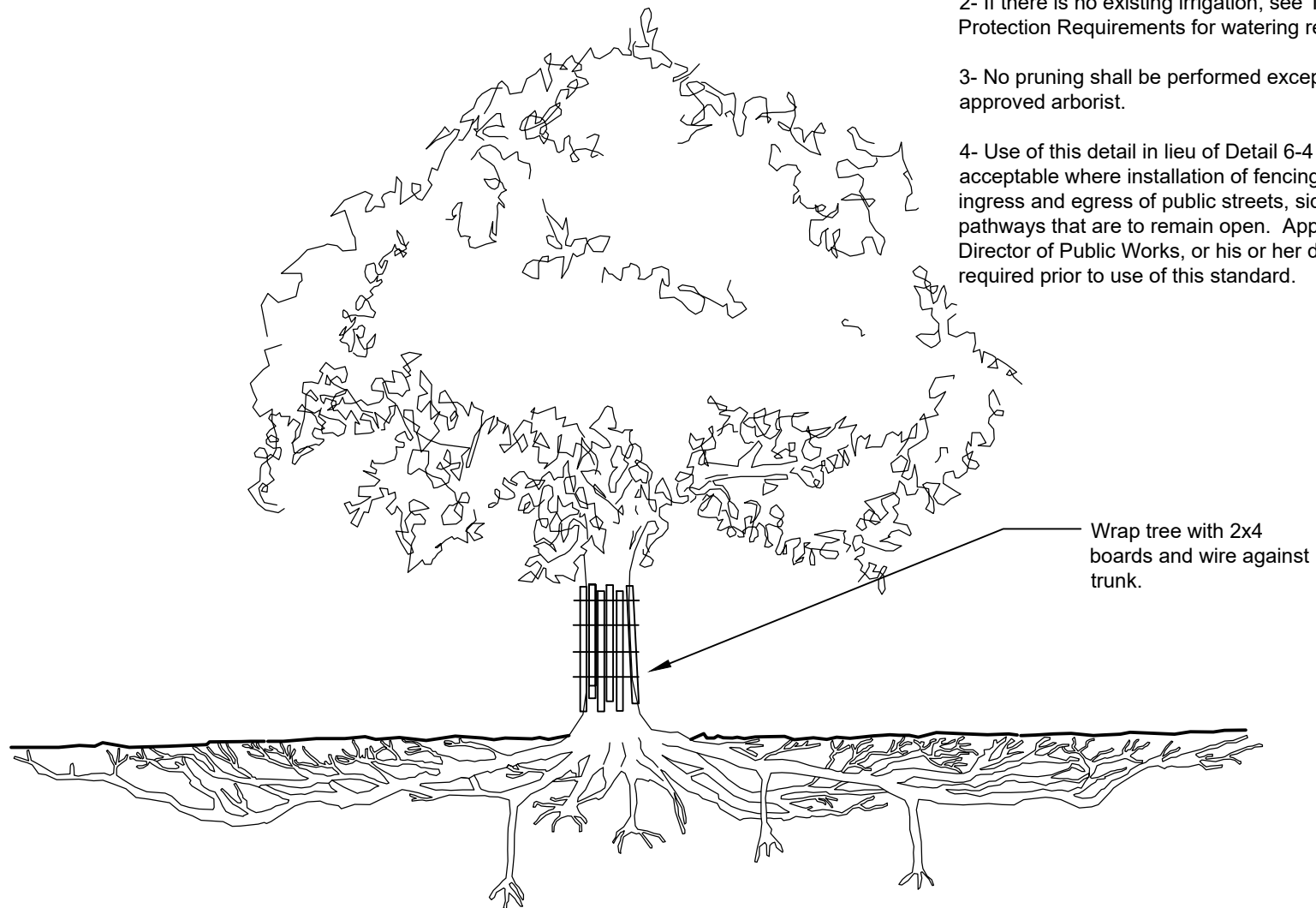
Note:

1- See Tree Protection Requirements (Detail 6-2) for additional tree protection requirements.

2- If there is no existing irrigation, see Tree Protection Requirements for watering requirements.

3- No pruning shall be performed except by approved arborist.

4- Use of this detail in lieu of Detail 6-4 may only be acceptable where installation of fencing will restrict ingress and egress of public streets, sidewalks or pathways that are to remain open. Approval by the Director of Public Works, or his or her designee, is required prior to use of this standard.



CITY OF CUPERTINO
STANDARD DETAIL

Approved By


City Engineer

Date 5/27/2020

6-3

Tree Protection Area shall be 6 times the DBH of the tree
in all directions from the face of the trunk.

Notes:

1- See Tree Protection Requirements
(Detail 6-2) for additional tree protection
requirements.

2- If there is no existing irrigation, see
Tree Protection Requirements for
watering requirements.

3- No pruning shall be performed except
by an approved arborist.

4- No equipment shall operate inside the
protective fencing including during fence
installation and removal.

5- Any modification must be approved by
the Director of Public Works.

8.5" x 11"
sign
laminated in
plastic. A
minimum of one
sign for each
facing direction of
the fence.

4'-0"

KEEP OUT
TREE
PROTECTION
AREA

Tree Protection
fence: 4' High,
clearly visible,
mounted on steel
posts installed at 8'
on center.

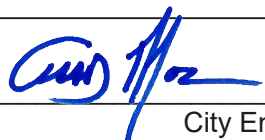
2" x 6' steel posts
or approved equal
driven into the
ground.

5" thick
layer of mulch.

Maintain existing
grade with the tree
protection fence
unless otherwise
approved by the
city.

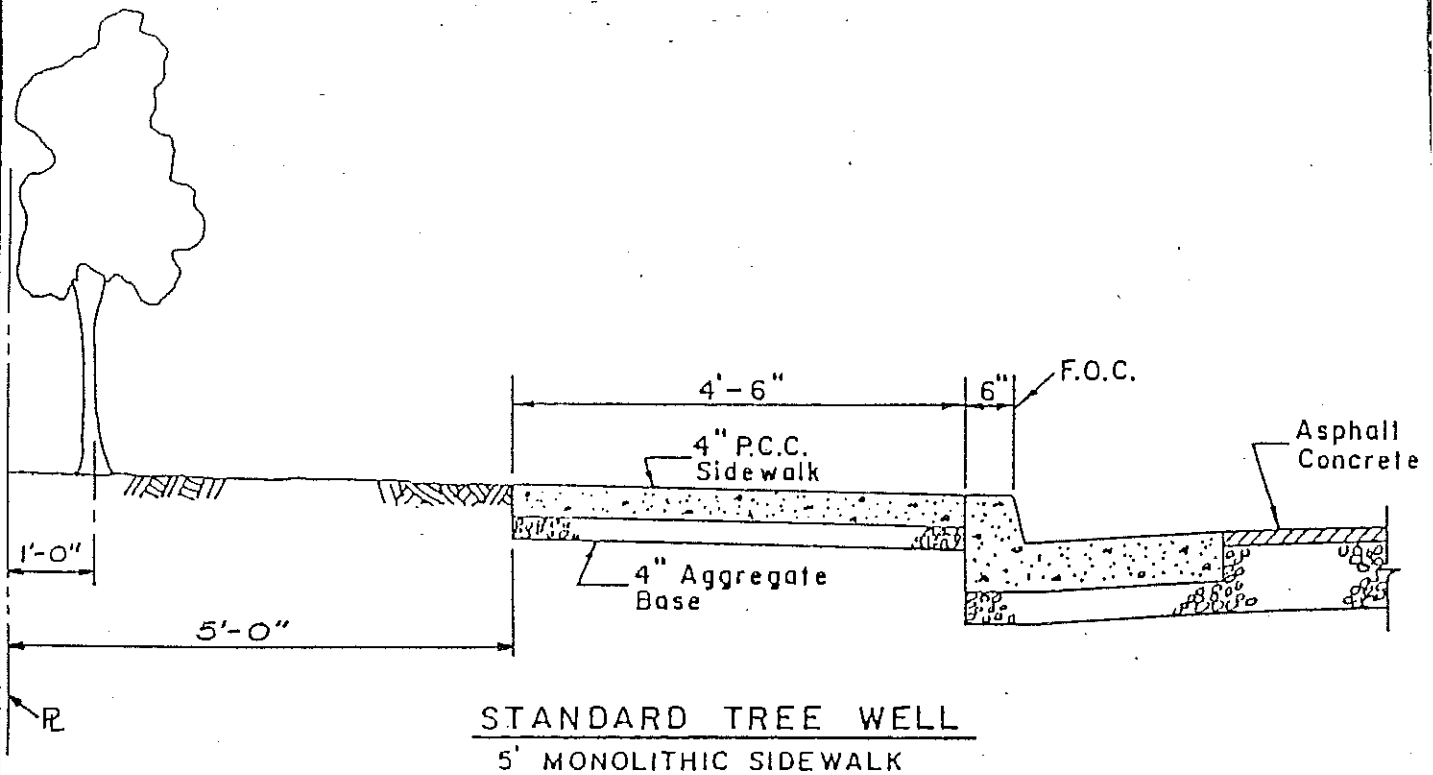
City of Cupertino
Standard Detail

Approved By


City Engineer

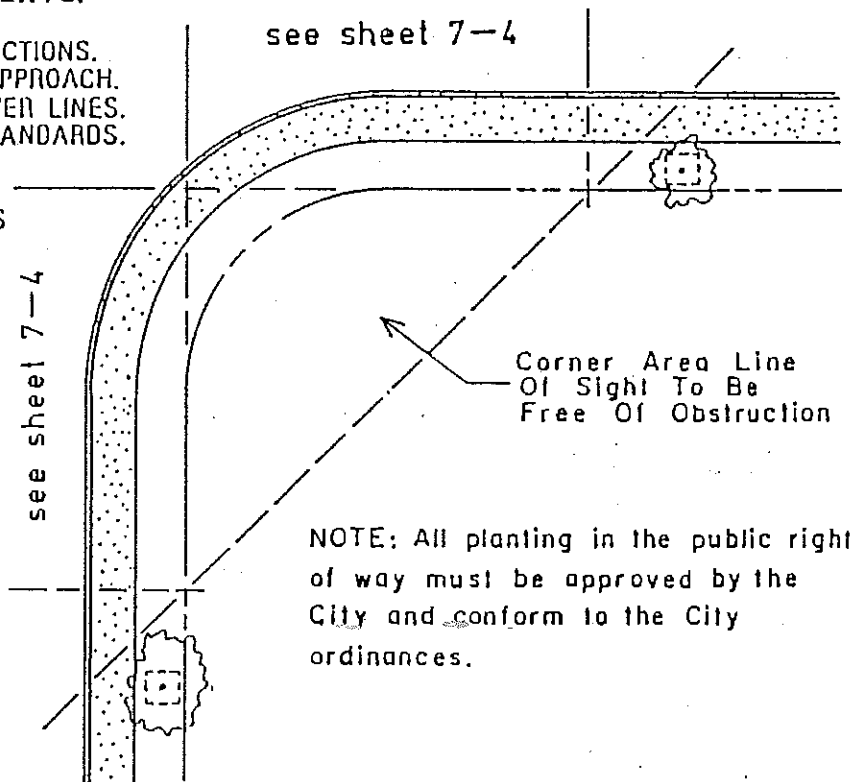
Date 5/27/2020

6-4



STREET TREE PLANTING REQUIREMENTS:

1. TREE SPACING 40' MIN TO 60' MAX.
2. PLANT 25' MIN. FROM D.C.R. AT INTERSECTIONS.
3. PLANT 10' MIN. FROM EDGE OF DRIVE APPROACH.
4. PLANT 10' MIN. FROM UTILITY AND SEWER LINES.
5. PLANT 21' MIN. FROM STREET LIGHT STANDARDS.
6. PLANT 18' MIN. FROM POWER POLES.
7. PLANT 10' MIN. FROM FIRE HYDRANTS.
8. 4'-6" x 6' TREE WELL STANDARD, UNLESS OTHERWISE SPECIFIED



TREE PLANTING IN PUBLIC RIGHT OF WAY

CITY OF CUPERTINO
STANDARD DETAILS

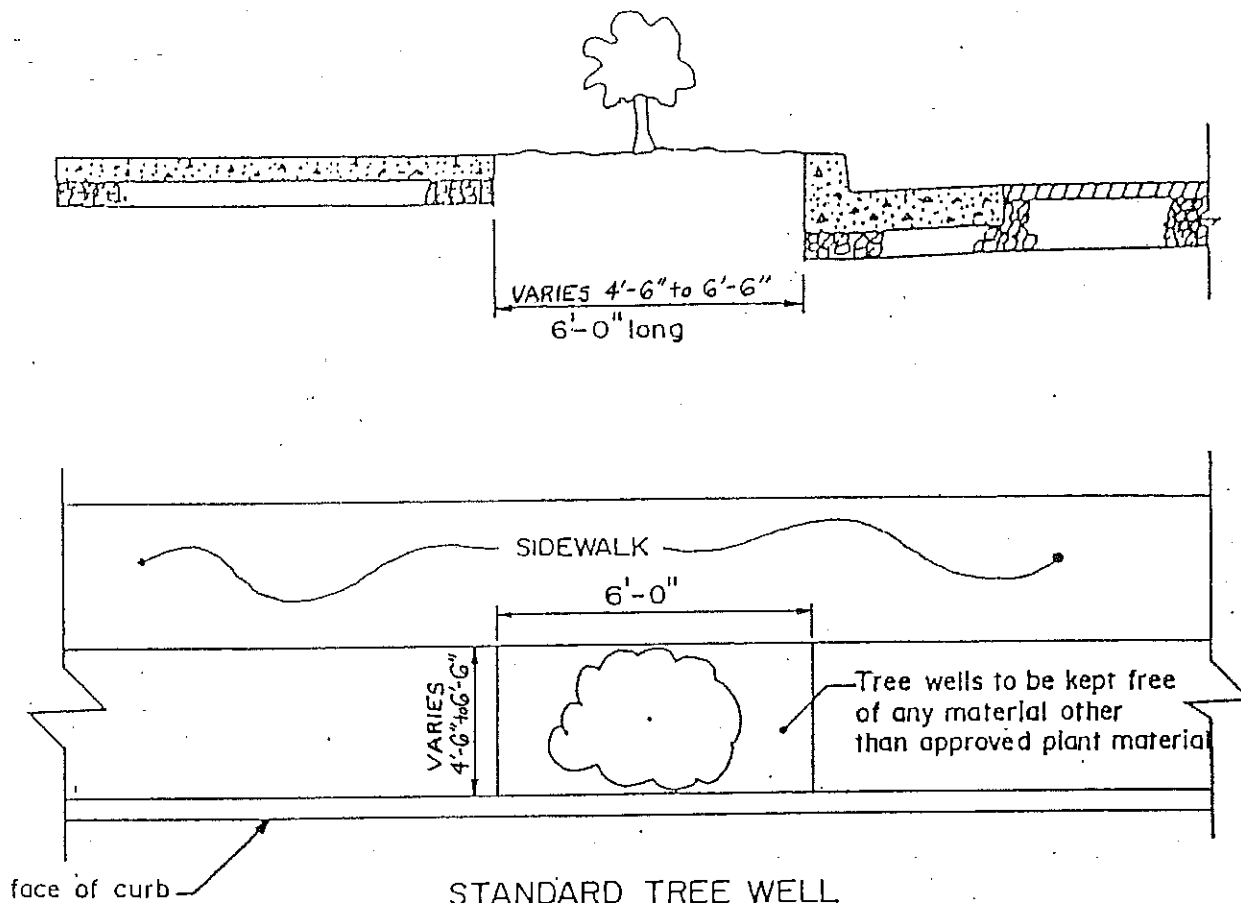
APPROVED BY :

CITY ENGINEER

DATE :

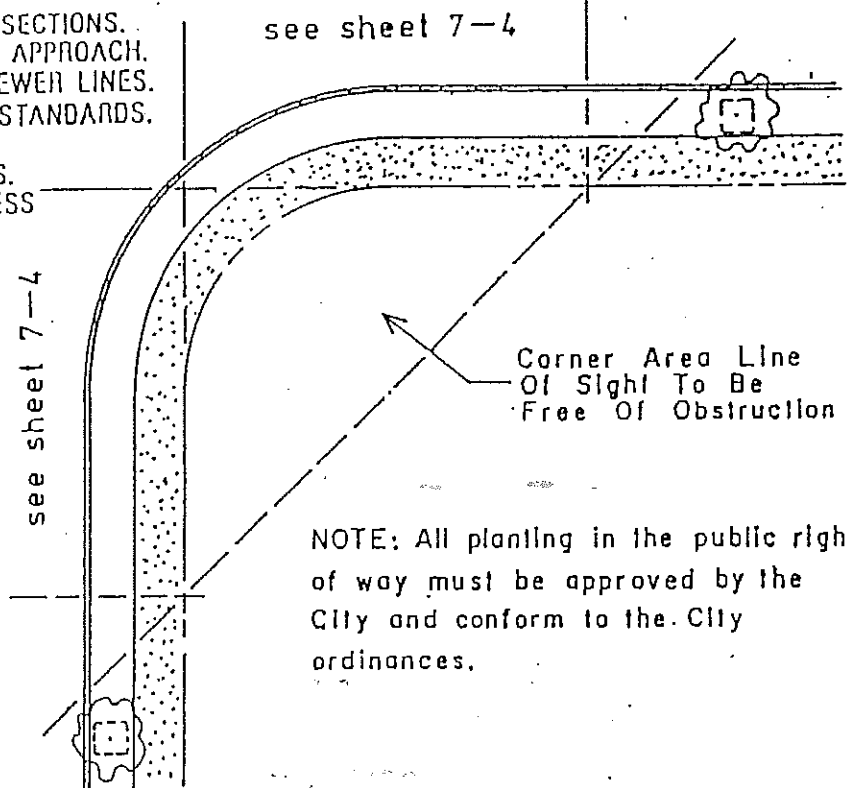
12/16/91

6-6



STREET TREE PLANTING REQUIREMENTS:

1. TREE SPACING 40' MIN TO 60' MAX.
2. PLANT 25' MIN. FROM D.C.P. AT INTERSECTIONS.
3. PLANT 10' MIN. FROM EDGE OF DRIVE APPROACH.
4. PLANT 10' MIN. FROM UTILITY AND SEWER LINES.
5. PLANT 21' MIN. FROM STREET LIGHT STANDARDS.
6. PLANT 10' MIN. FROM POWER POLES.
7. PLANT 10' MIN. FROM FIRE HYDRANTS.
8. 4'-6" x 6' TREE WELL STANDARD, UNLESS OTHERWISE SPECIFIED



TREE PLANTING IN PUBLIC RIGHT OF WAY

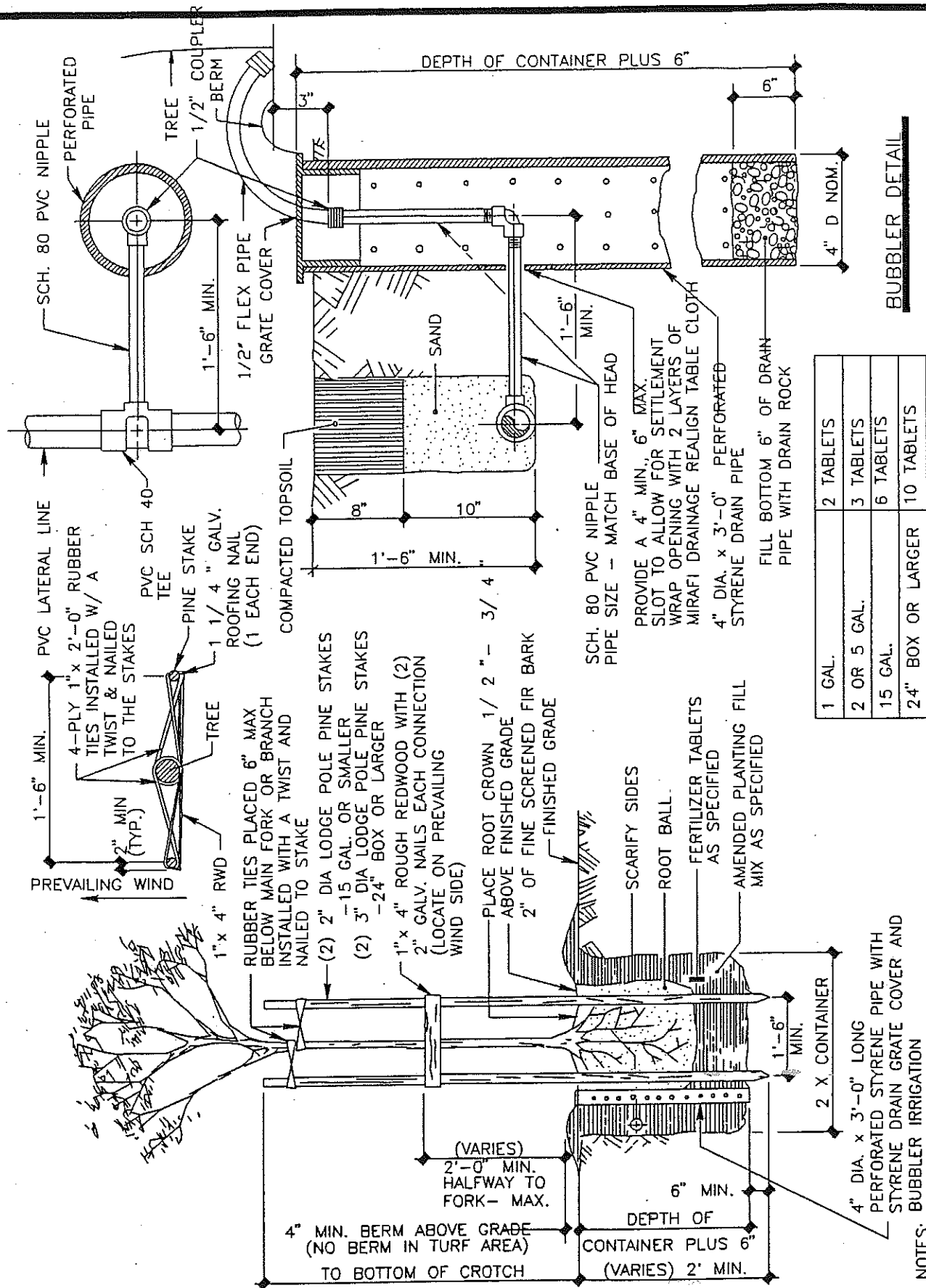
CITY OF CUPERTINO
STANDARD DETAILS

APPROVED BY

CITY ENGINEER

DATE: 12/16/91

6-8



TREE PLANTING WITH BUBBLER IRRIGATION

CORNER SIGHT DISTANCE

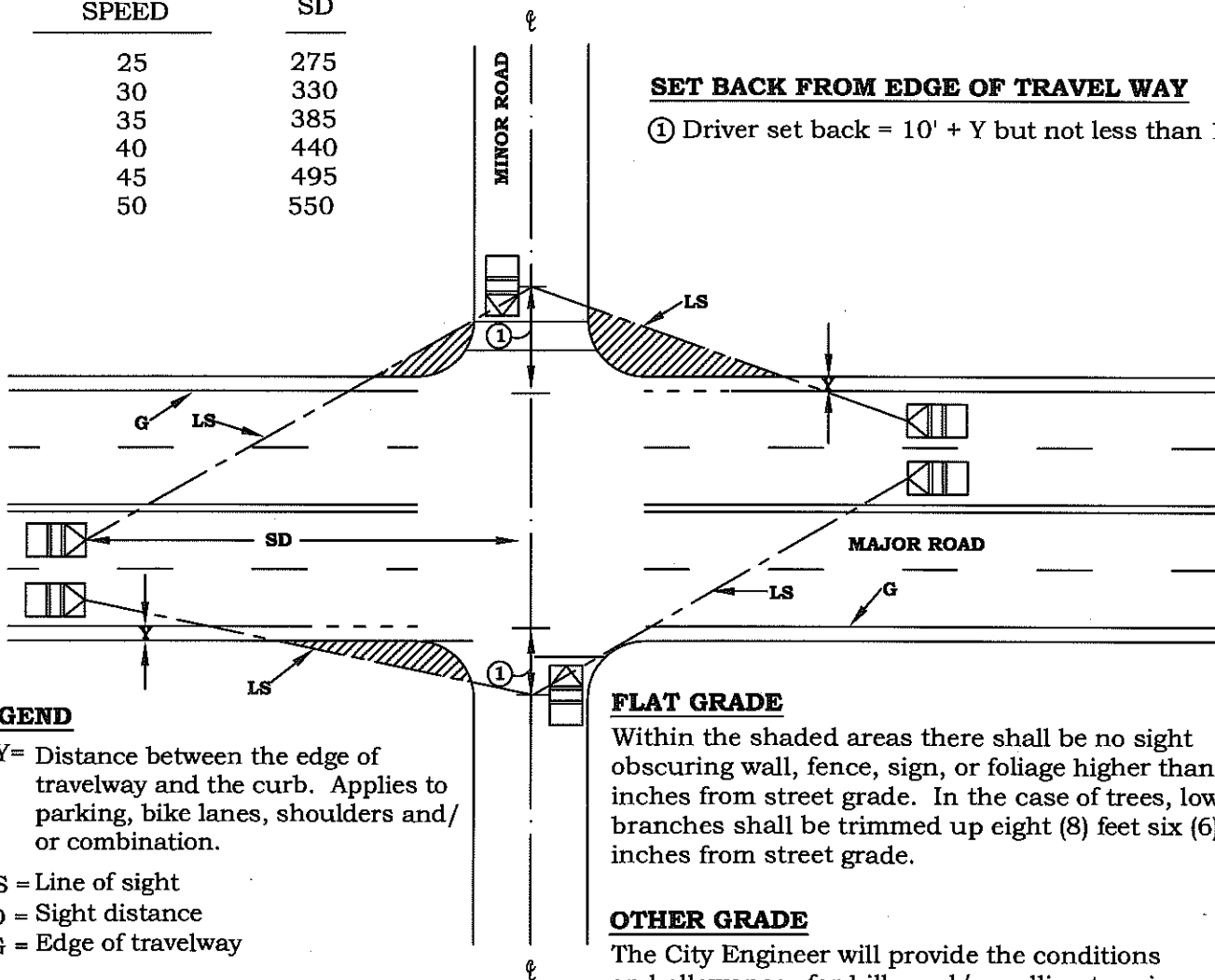
DESIGN 85th
PERCENTILE
SPEED

SD

25	275
30	330
35	385
40	440
45	495
50	550

SET BACK FROM EDGE OF TRAVEL WAY

① Driver set back = $10' + Y$ but not less than 15'



LEGEND

Y = Distance between the edge of travelway and the curb. Applies to parking, bike lanes, shoulders and/or combination.

LS = Line of sight

SD = Sight distance

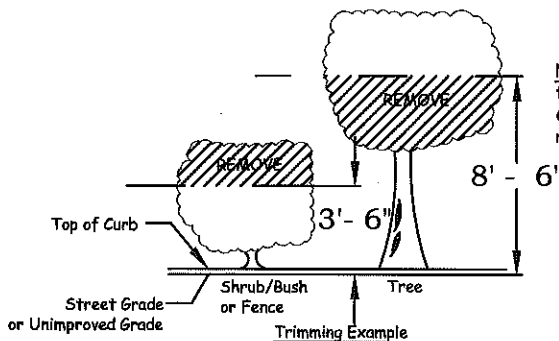
G = Edge of travelway

FLAT GRADE

Within the shaded areas there shall be no sight obscuring wall, fence, sign, or foliage higher than 42 inches from street grade. In the case of trees, lower branches shall be trimmed up eight (8) feet six (6) inches from street grade.

OTHER GRADE

The City Engineer will provide the conditions and allowances for hilly and/or rolling terrains.



Note: Street trees shall be trimmed by City staff only. Call 408-777-3269 to request service.

Note: If no curb/gutter exist, the measurement is 3' from existing grade.

CONTROLLED INTERSECTIONS

FLAT GRADE

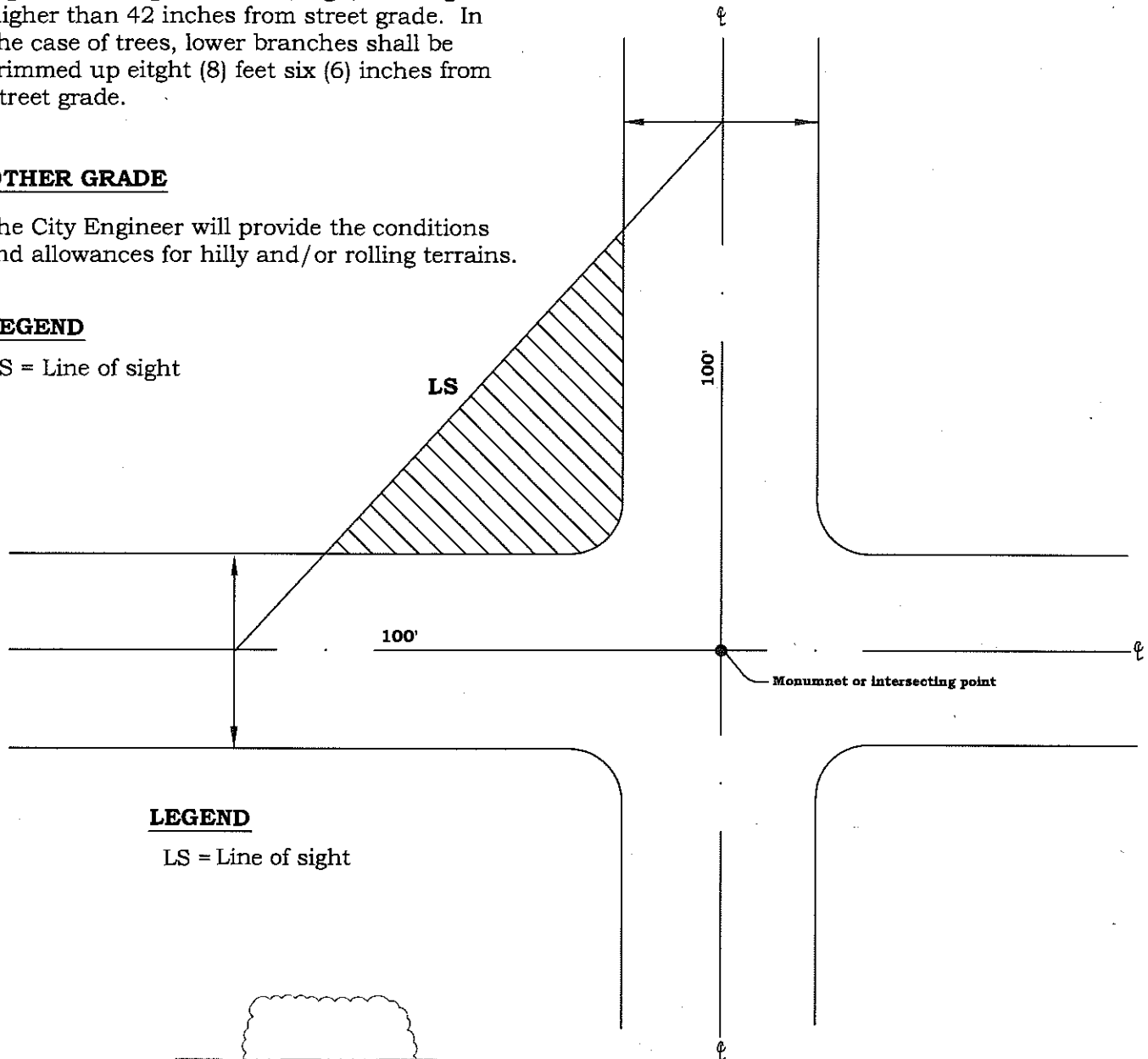
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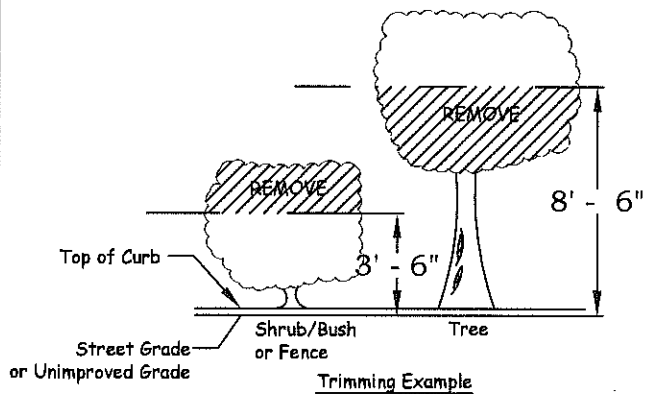
LEGEND

LS = Line of sight



LEGEND

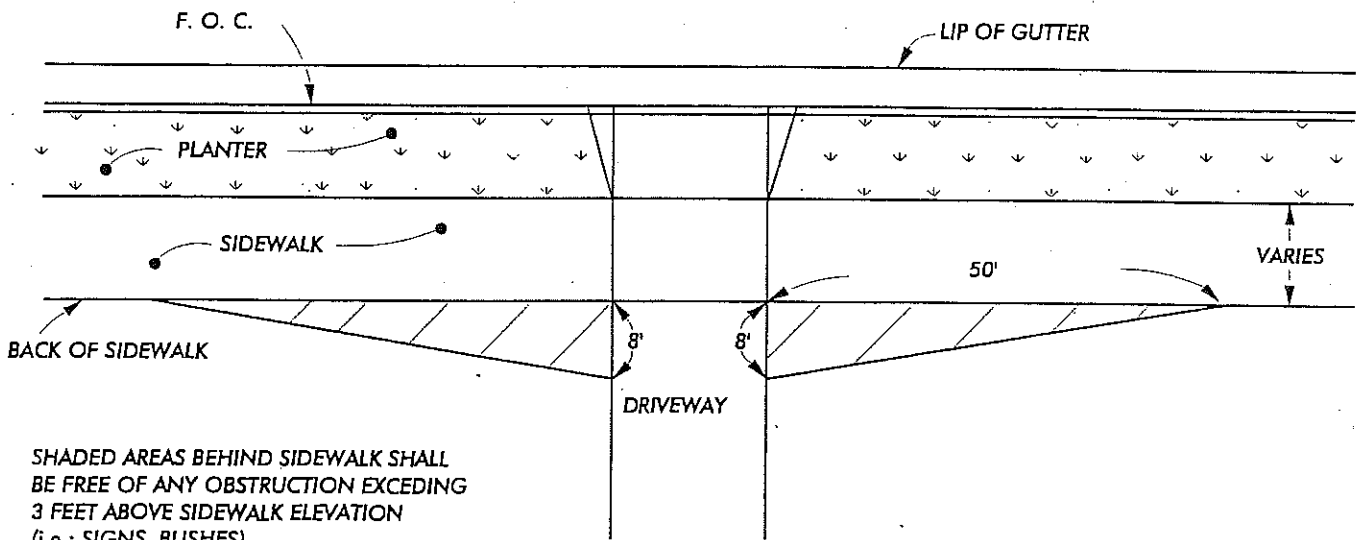
LS = Line of sight



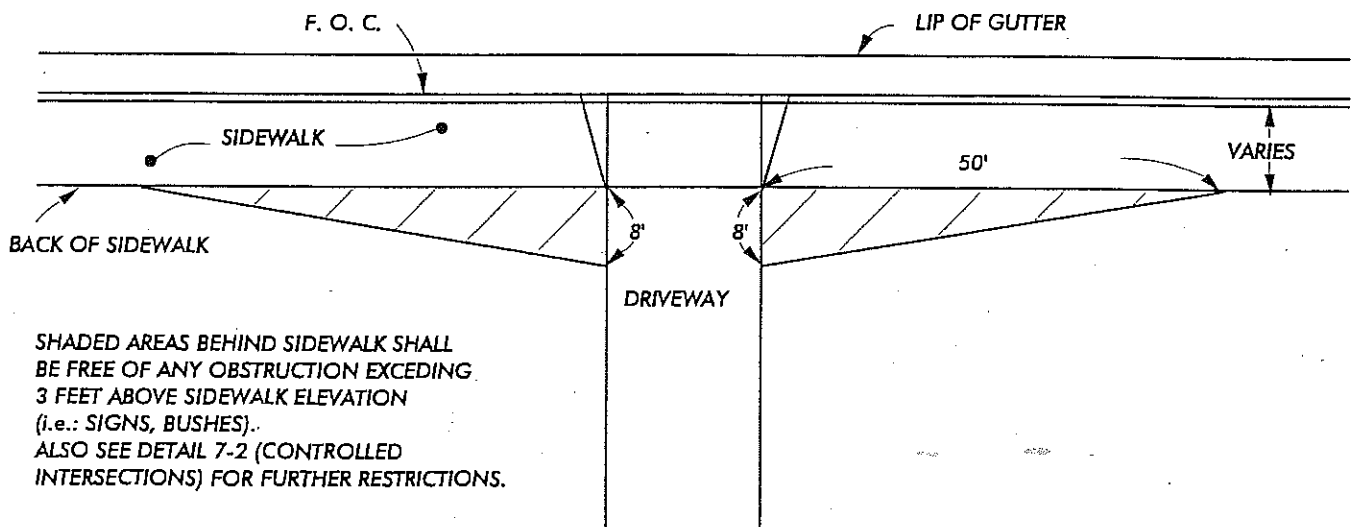
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Note: If no curb/gutter exist, the measurement is 3' from existing grade.

UNCONTROLLED INTERSECTIONS

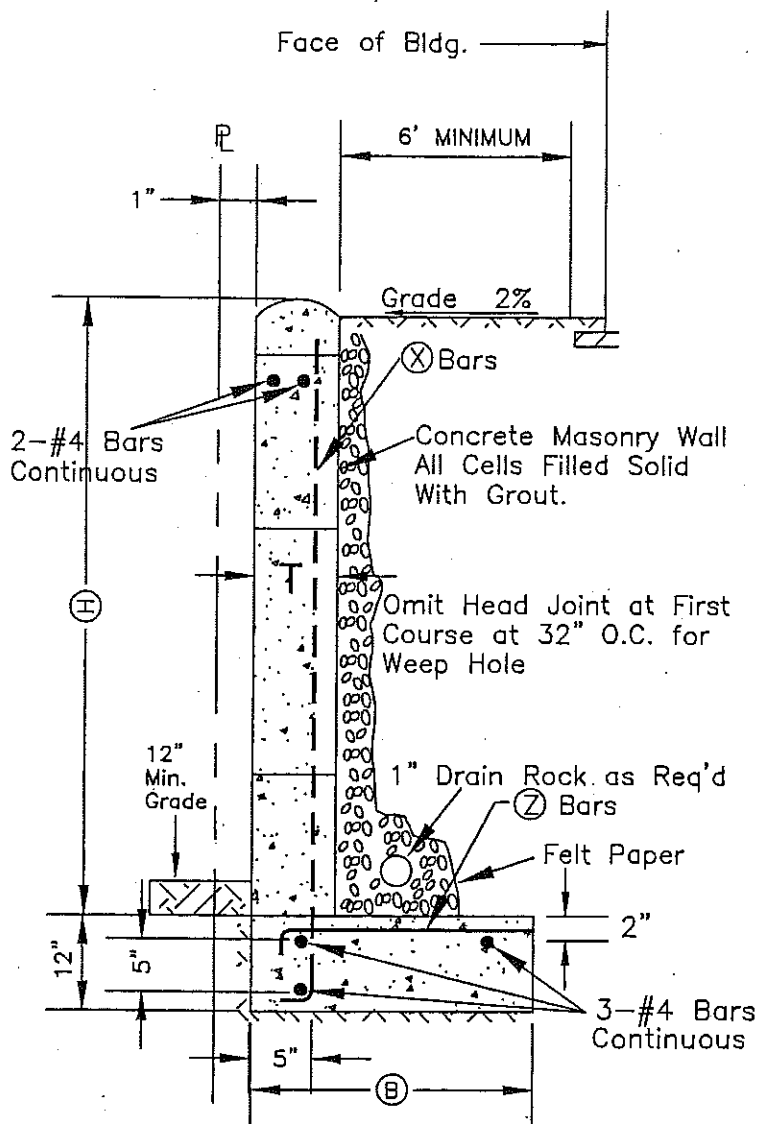


SHADED AREAS BEHIND SIDEWALK SHALL
BE FREE OF ANY OBSTRUCTION EXCEEDING
3 FEET ABOVE SIDEWALK ELEVATION
(i.e.: SIGNS, BUSHES).
ALSO SEE DETAIL 7-2 (CONTROLLED
INTERSECTIONS) FOR FURTHER RESTRICTIONS.



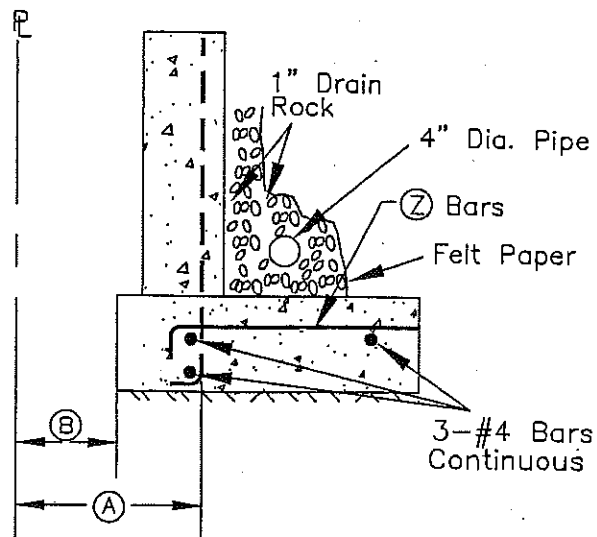
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ALSO SEE DETAIL 7-2 (CONTROLLED
INTERSECTIONS) FOR FURTHER RESTRICTIONS.

SIDEWALK CLEARANCE AT DRIVEWAYS



Pour Footing Against Undisturbed Natural Soil

RETAINING WALL GREATER THAN 3' HIGH SHALL BE DESIGNED BY A CIVIL/STRUCTURAL ENGINEER.



NOTE: Drains are required on ALL walls.

	A	B
PUBLIC R/W	3	1.5
ADJACENT PROPERTY	1.5	0.5

⊕	⊙	⊗	⊘	⊚
3'max.	6"	1'-10"	#4 at 18"	#4 at 48"

NOTES:

1. Contact Public Works Department for Permit Requirements.
2. Plans indicating Top of Wall (T.W.) Elevation, Existing and Finished Grades are required on all Retaining Wall Permits.

SPECIFICATIONS:

GRADE "N" MASONRY UNITS
TYPE = "M" or "S" GROUT
GRADE = 40 STEEL
E.F.P. = 30 #/FT³
LATERAL SIDING = .35

CONCRETE BLOCK RETAINING WALLS

REVISED 7/5/00

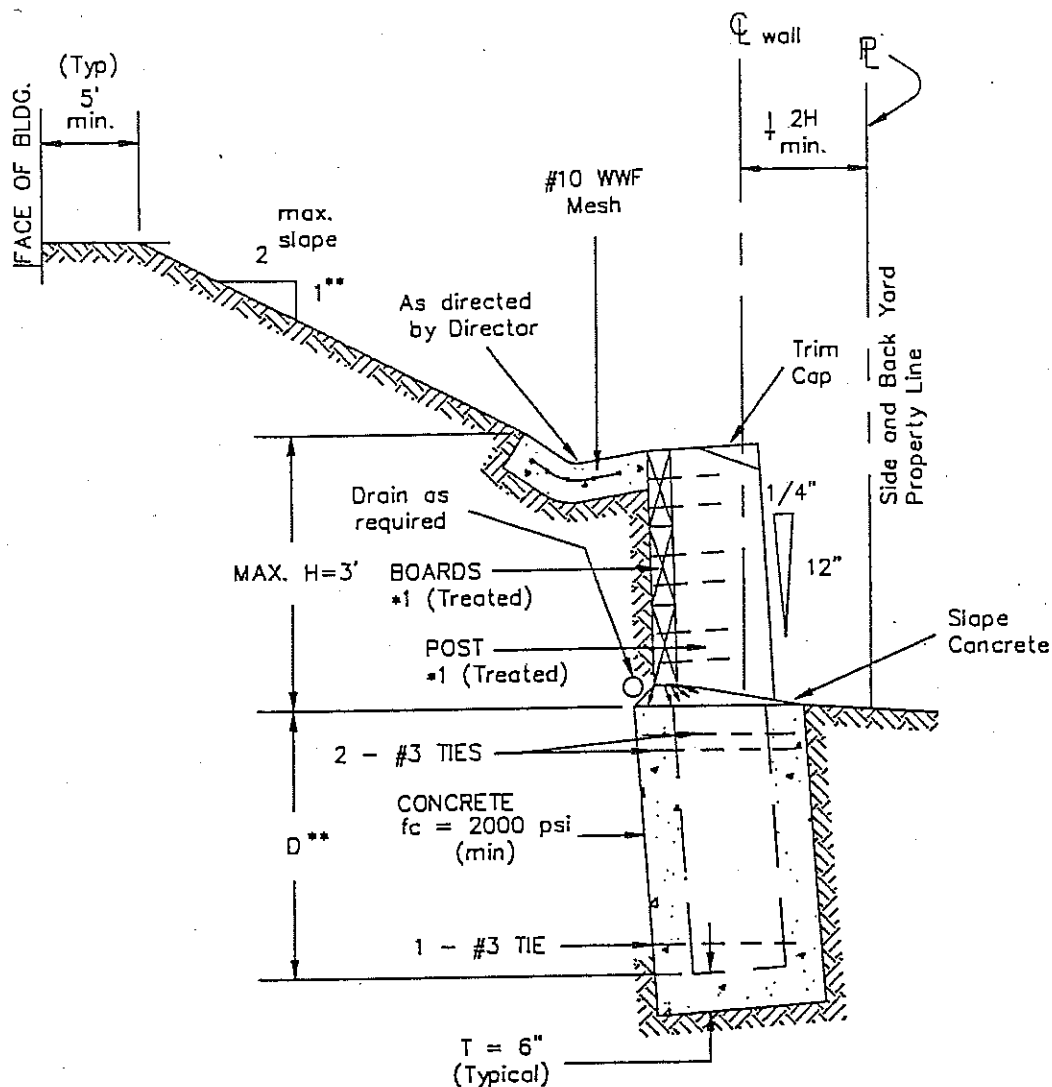
CITY OF CUPERTINO
STANDARD DETAILS

APPROVED BY:

[Signature]
CITY ENGINEER

DATE: 7/9/2000

8-2

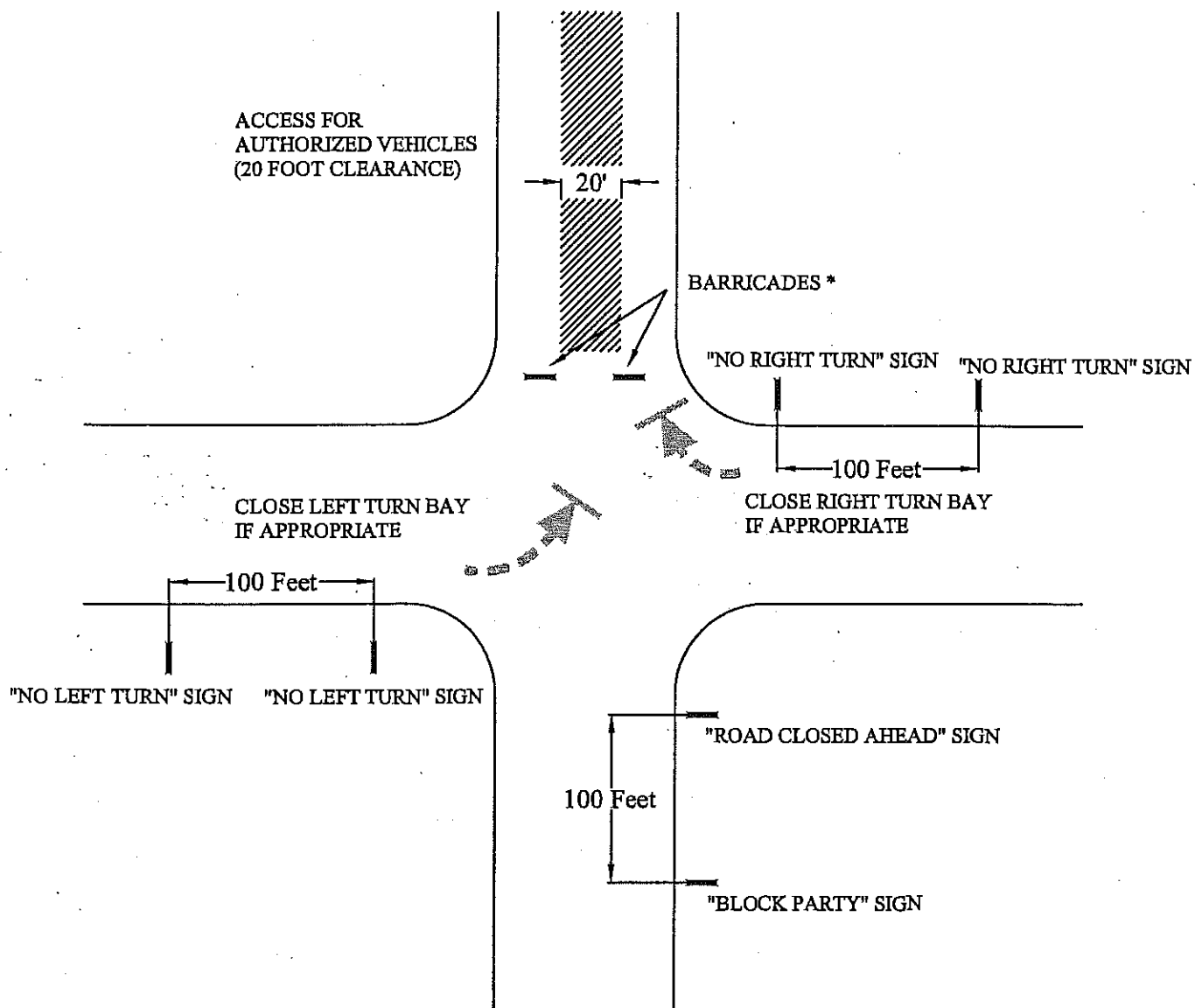


CROSS SECTION

H	D**	POSTS	MAX. SPACING	BOARDS
FT.	FT.	SIZE		SIZE
3	3	8" x 8"	6'	2' x 12"
2	2	6" x 6"	6'	2' x 12"
1	1	6" x 6"	6'	2' x 12"

- NOTES:
- *1. PRESERVATIVE TREATMENT (CREOSOTE or EQUAL) IN ACCORDANCE WITH SECTION 58, STANDARD SPECIFICATIONS (STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, CURRENT EDITION).
 - **2. IF CERTIFIED BY SOILS ENGINEER.
 - †3. BLOCK WALL IS REQUIRED IF WALL IS WITHIN $2 \times H$ FROM PROPERTY LINE (P).

TIMBER RETAINING WALL



* BARRICADES WITH "ROAD CLOSED" AND "BLOCK PARTY" SIGNS
(PERMITTEE SHALL POST A COPY OF THE INSURANCE & PERMIT AT EACH
APPROACH CLOSED)

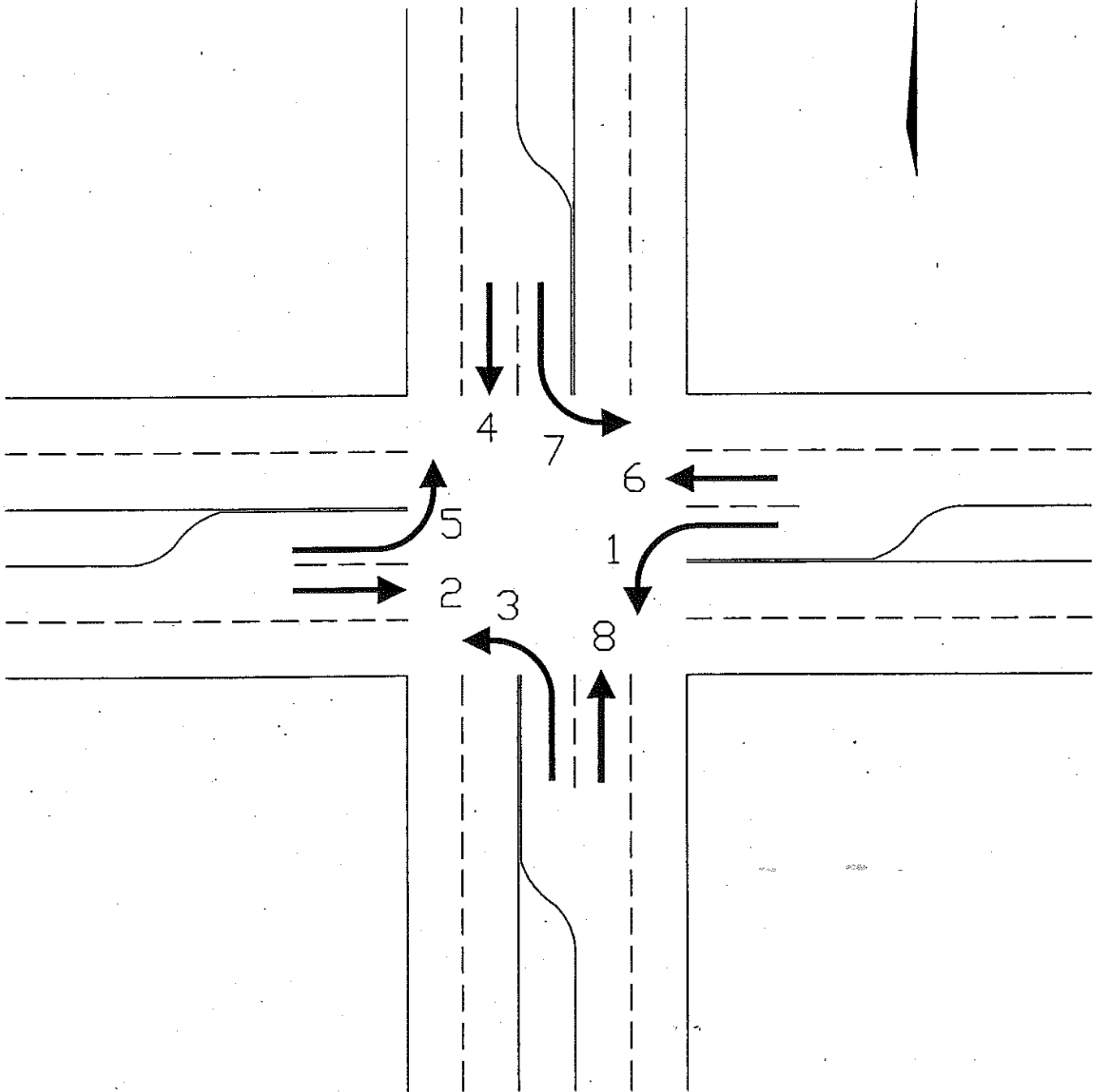
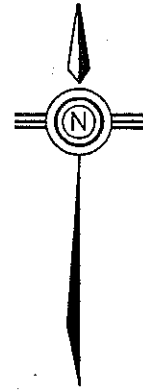
NOTES:

1. CITY SHALL FURNISH ALL BARRICADES AND SIGNS.
2. BLOCK PARTY PERMITTEE SHALL MAINTAIN
A 20 FOOT CLEARANCE PATH IN THE TRAVEL WAY
AT ALL TIMES.

LEGEND:

— BARRICADE W/SIGN

TYPICAL CLOSING OF BLOCK



TRAFFIC SIGNAL PHASING

CITY OF CUPERTINO
STANDARD DETAILS

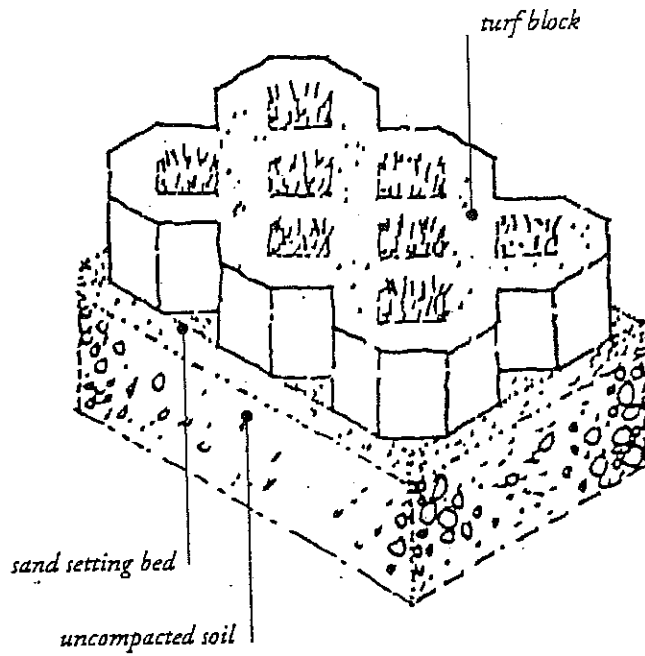
APPROVED BY:

CITY ENGINEER

DATE:

1/5/99

8-8



NOTES:

1. SHALL BE USED ONLY ON OVERFLOW PARKING AREAS, DRIVEWAYS, AND EMERGENCY ACCESS ROADS.
2. TYPES OF PLANTS/TURFS SHALL BE APPROVED BY PLANNING DEPARTMENT.
3. SHALL MEET MINIMUM WHEEL LOADING CAPACITY. OWNER TO PROVIDE SPECIFICATIONS.

TURF BLOCK

1. Bury the top end of the jute strip in a trench 6 in or more in depth.

2. Tamp the trench full of soil. Secure with row of staples: 6-in spacing, 4 in down from the trench.

3. Overlap: bury upper end of lower strip as in (1) and (2). Overlap end of top strip 4 in and staple.

See parking stall standards

4. Erosion stop: bury fold of jute in slit trench and tamp; staple double row of staples.

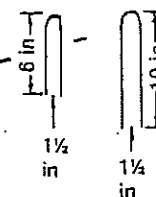
Overlap jute strips 4 in where two or more strip widths are required. Staple on 18-in centers.

See parking stall standards

Staple outside edge on 2-ft centers.

$S = 0.02 \text{ MAX}; 0.01 \text{ MIN.}$

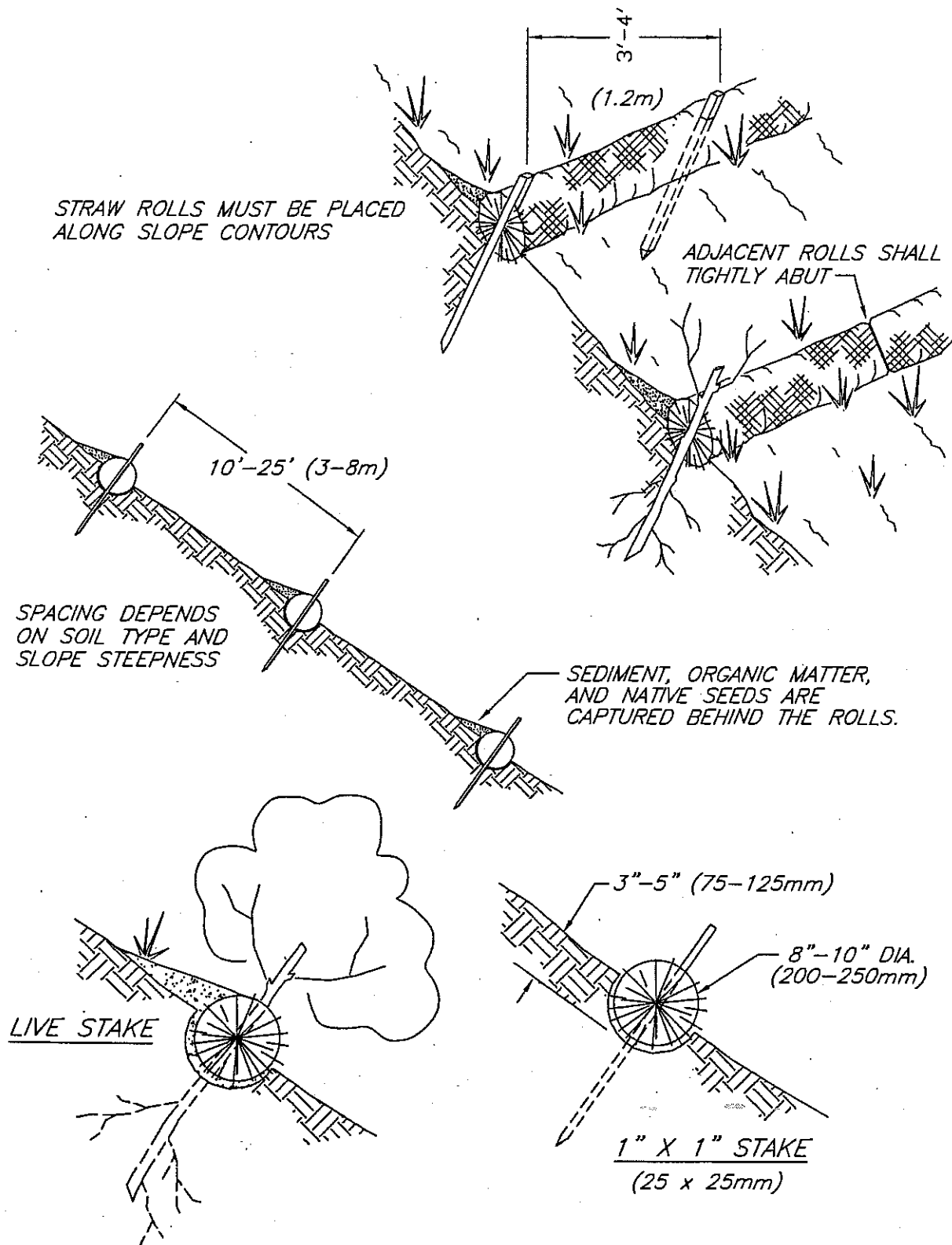
Typical staples
No. 11 gauge wire



Tree planting is required at 25' o.c.

- Finish grade shall match flow line and not prevent run-off from draining.
- Type of tree shall be approved by Planning Department

GRASSED WATERWAYS WITH JUTE MAT



NOTE:

1. STRAW ROLL INSTALLATION REQUIRES THE PLACEMENT AND SECURE STAKING OF THE ROLL IN A TRENCH, 3"-5" (75-125mm) DEEP, DUG ON CONTOUR. RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND ROLL.

NOT TO SCALE

STRAW ROLLS

1996 JOHN McCULLAH



FILE: STRWROLL