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

| | | PAGE |
|------------|--|-------------|
| <u>G</u> E | <u>CNERAL</u> | |
| | GENERAL NOTES | |
| | DRAFTING STANDARDS | 0 - 7 |
| 1. | <u>STREETS</u> | |
| | RESIDENTIAL STREET SECTIONS (CUL-DE-SACS) | 1 - 1 |
| | RESIDENTIAL STREET SECTIONS | 1 - 2 |
| | STANDARD STREET SECTIONS | 1 - 4 |
| | STANDARD STREET SECTIONS | 1 - 6 |
| | STANDARD STREET SECTIONS | 1 - 8 |
| | SPECIAL HILLSIDE SECTIONS | 1 - 10 |
| | RURAL AND SEMI-RURAL STREET SECTIONS | 1 - 11 |
| | CUL-DE-SACS | 1 - 12 |
| | STREET MONUMENT | 1 - 14 |
| | CURB SECTION | 1 - 16 |
| | VALLEY GUTTER | 1 - 18 |
| | SIDEWALK DETAIL | 1 - 19 |
| | DRIVEWAY – DETACHED SIDEWALK | 1 - 20 |
| | DRIVEWAY – MONOLITHIC SIDEWALK | 1 - 21 |
| | DRIVEWAY – MONOLITHIC SIDEWALK OPTION 2 | 1 - 21B |
| | SIDEWALK CORNER TRANSITION | 1 - 22 |
| | DOWEL CONNECTIONS | 1 - 23 |
| | CURB RAMP DETAILS | 1 - 24 |
| | CURB RAMP DETAIL | 1 - 26 |
| | SIDEWALK TRANSITION | 1 - 28 |
| | SIDEWALK TRANSITION AROUND EXISTING STREET | 1 - 30 |
| | CIRCULAR DRIVEWAY DETAIL | 1 - 32 |

PAGE 2

| | | PAGE |
|----|--|-------------|
| 2. | SIGNS, STRIPING, CHANNELIZATION | |
| | STREET BARRICADE | 2 - 2 |
| | OBJECT MARKING DETAIL | 2 - 3 |
| | ACCESS CONTROL ISLANDS | 2 - 16 |
| | THROUGH MOVEMENT CONTROL ISLANDS | 2 - 18 |
| | SIGN POSTS | 2 - 20 |
| | STREET NAME SIGNS ON TRAFFIC SIGNAL POLES | 2 - 21 |
| | STREET NAME SIGN MOUNTING ON SIGN POLE | 2 - 22 |
| | PUBLIC SERVICE BANNER | 2 - 24 |
| | LANE LINE MARKERS | 2 - 26 |
| | BIKE LANE DETAILS | 2 - 27 |
| | PARKING AND AISLES – ONE WAY | 2 - 28 |
| | PARKING AND AISLES – TWO WAY | 2 - 30 |
| | PARKING AND AISLES - INDUSTRIAL & DISABLED | 2 - 32 |
| | | |
| 3. | <u>STORM</u> | |
| | DROP INLET - CURB OPENING | 3 - 2 |
| | 24" FLAT GRATE DROP INLET | 3 - 4 |
| | FIELD INLET – SIDE OPENING | 3 - 8 |
| | CONCENTRIC MANHOLE | 3 - 10 |
| | ECCENTRIC MANHOLE - 8" - 33" PIPE | 3 - 12 |
| | ECCENTRIC MANHOLE - 36" - 48" PIPE | 3 - 14 |
| | ECCENTRIC MANHOLE - 51" PIPE AND LARGER | 3 - 16 |
| | STANDARD CONNECTION TO MANHOLE WALL | 3 - 18 |
| | STANDARD CONNECTION TO RCP - 48" & LARGER | 3 - 20 |

PAGE 3

| | | PAGE |
|----|---|-------------|
| 4. | TRENCHES | |
| | TRENCH BACKFILL REQUIREMENTS | 4 - 24 |
| | MICROTRENCHING – DETAIL AND SPECIFICATIONS | 4 – 25 |
| 5. | ELECTROLIERS & ELECTRICAL | |
| | ELECTROLIER & CONDUIT LOCATION W/SIDEWALK | 5 - 2 |
| | ELECTROLIER & CONDUIT LOCATION W/O SIDEWALK | 5 - 4 |
| | ELECTROLIER & CONDUIT LOCATION IN MEDIANS | 5 - 6 |
| | 35 FT. ELECTROLIER STANDARD | 5 - 8 |
| | 30 FT. ELECTROLIER STANDARD | 5 - 10 |
| | ELECTROLIER FOUNDATION | 5 - 12 |
| | TRADITIONAL FOUNDATION – MONTA VISTA | 5 - 14 |
| | CONDUIT INSTALLATION FOR LOOP DETECTOR | 5 - 16 |
| | TYPE 'SA' LOOP INSTALLATION | 5 - 17 |
| | SPECIAL LOOP INSTALLATION | 5 - 18 |
| | TYPE QC/CIRCULAR LOOP INSTALLATION | 5 - 19 |
| | SERVICE DETAIL | 5 - 20 |
| | LIGHTING NOTES | 5 - 22 |
| 6. | TREE PLANTING PUBLIC RIGHT-OF WAY | |
| | TREE PROTECTION NOTES | 6 - 2 |
| | TREE TRUNK PROTECTION | 6 - 3 |
| | TREE FENCING PROTECTION | 6 - 4 |
| | TREE PLANTING IN PUBLIC RIGHT OF WAY | 6 - 6 |
| | TREE PLANTING IN PUBLIC RIGHT OF WAY | 6 - 8 |
| | TREE PLANTING W/ BUBBLE INSTALLATION | 6 - 10 |

PAGE 4

| | | PAGE |
|----|---------------------------------|-------------|
| 7. | SIGHT TRIANGLES | |
| | CONTROLLED INTERSECTION | 7 - 2 |
| | UNCONTROLLED INTERSECTION | 7 - 4 |
| | SIDEWALK CLEARANCE @ DRIVEWAY | 7 - 6 |
| | | |
| 8. | SPECIAL | |
| | CONCRETE BLOCK RETAINING WALL | 8 - 2 |
| | TIMBER RETAINING WALL | 8 - 4 |
| | CLOSING OF BLOCK | 8 - 6 |
| | TRAFFIC SIGNAL PHASING | 8 - 8 |
| | TURF BLOCK | 8 - 14 |
| | GRASSED WATERWAYS WITH JUTE MAT | 8 - 16 |
| | STRAW ROLLS | 8 - 18 |

CITY OF CUPERTINO DRAFTING STANDARDS

| EXISTING | PROPOSED | DESCRIPTION |
|----------------------|--|--|
| DASHED LINE | Solid Lines | |
| 2 <u>8" V.C.P.</u> – | 8" V.C.P. | SANITARY SEWER AND FLUSHING INLE |
| 38"_V | 7.C.P. 8" V.C.P. | SANITARY SEWER AND MANHOLE |
| 4 — - <u>12" F</u> | R.C.P. 12" R.C.P. | STORM SEWER AND MANHOLE |
| 5 | | STORM DROP INLET AND LATERAL |
| 6 <u>(Specif</u> | FY SIZE AND STYLE) | WATER MAIN |
| 7 | 6 — | FIRE HYDRANT |
| 8 5 | d | GATE VALVE |
| 9 —— | | BLOW - OFF |
| 10 ———— — — — | | TEE (WATER) |
| п | —————————————————————————————————————— | CROSS (WATER) |
| 12 | | REDUCER |
| 13 M | M • | MONUMENT |
| 14 ====== | | CURB & GUTTER |
| 15# | # | ELECTROLIER WITH CONDUIT |
| 16 | | GAS LINES - INDICATE SIZE |
| 17 ——————— | | TELEPHONE DUCT (CONDUIT) INDICATE SIZE |
| 18 O SS | SS . | STREET NAME SIGN |
| 19 | | TRAFFIC SIGNS |
| 20 | | EXISTING EDGE OF PAVEMENT |

CITY OF CUPERTINO STANDARD DETAILS

APPROVED BY: 4 City Engineer DATE: 93 9

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: <u>6/29//6</u> |
|---------------------------------------|----------------------------|----------------------|

- 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 repaided 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.

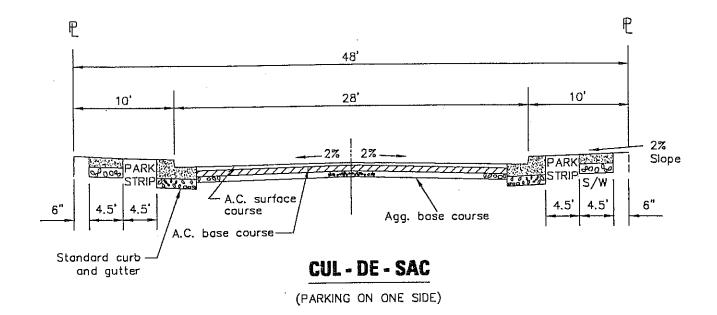
| APPROVED BY: | DATE: 6/29/16 |
|---------------|---------------|
| CITY ENGINEER | , |

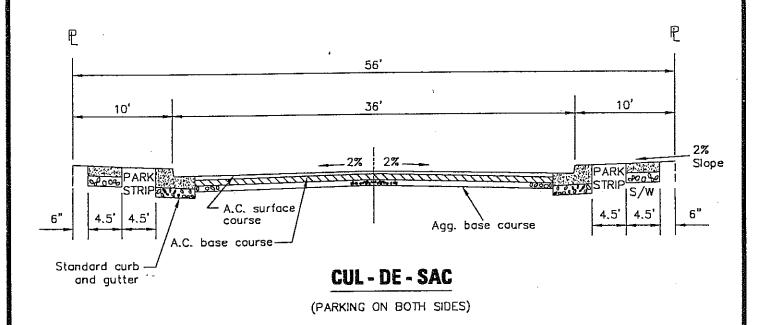
CITY OF CUPERTINO STANDARD DETAILS

- 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.

| APPROVED BY: CITY ENGINEER | DATE: 6/29/16 |
|-----------------------------|---------------|
|-----------------------------|---------------|

CITY OF CUPERTINO STANDARD DETAILS





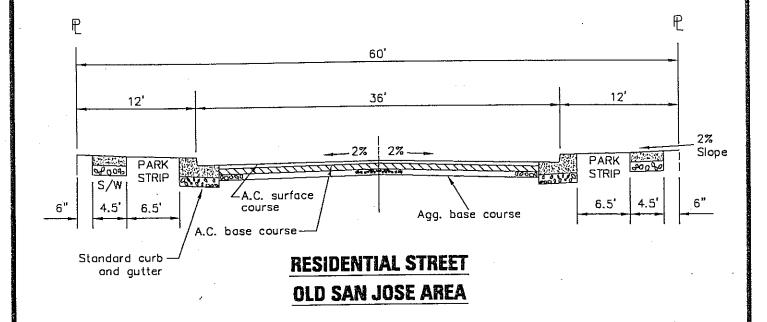
- 1. RESIDENTIAL Sidewalk to be 4" P.C.C. over 4" Class II Aggregate Base @ 90% Relative Compaction
- 2. COMMERCIAL & INDUSTRIAL Sidewalk to be 5" P.C.C. over 4" Class II Aggregate Bose @ 90% Relative compaction.
- 3. Monolithic sidewalk shall be installed anly when monalithic sidewalk exists.

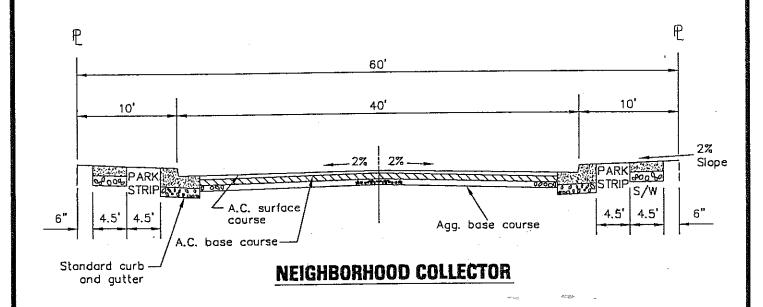
RESIDENTIAL STREET SECTIONS

CITY OF CUPERTINO STANDARD DETAILS APPROVED BY:

DATE: 8/4/97

1---1





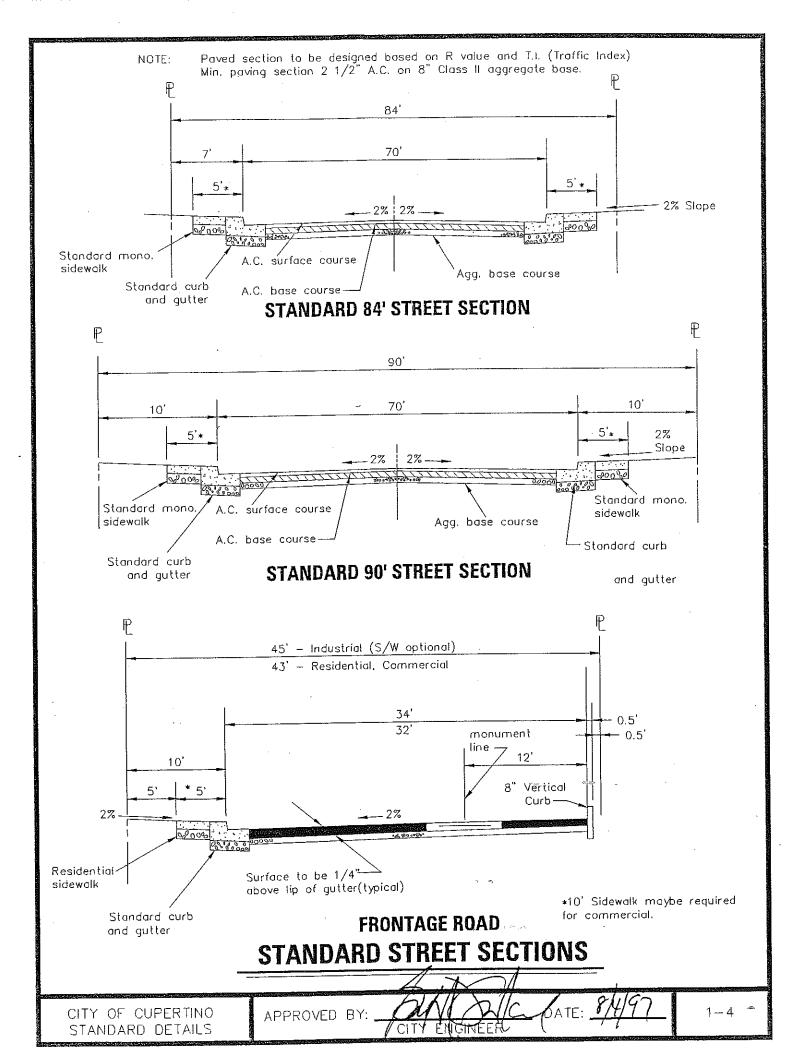
- 1. RESIDENTIAL Sidewalk to be 4" P.C.C. over 4" Class II Aggregate Base @ 90% Relative Compaction
- 2. COMMERCIAL & INDUSTRIAL Sidewalk to be 5" P.C.C. over 4" Class II Aggregate Base @ 90% Relative compaction.
- 3. Manolithic sidewalk shall be installed only when manolithic sidewalk exists.

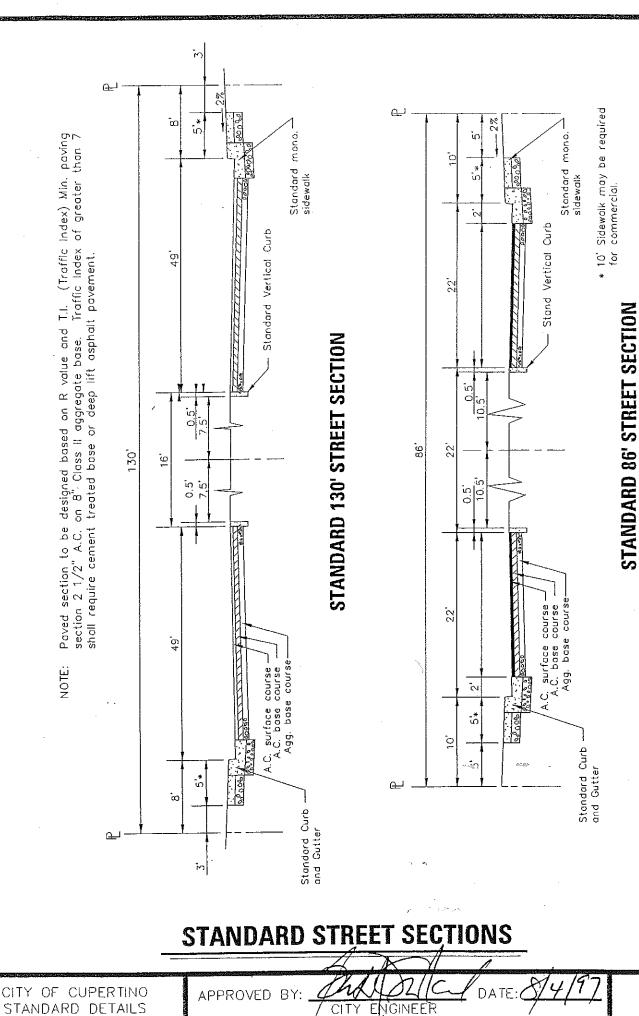
RESIDENTIAL STREET SECTIONS

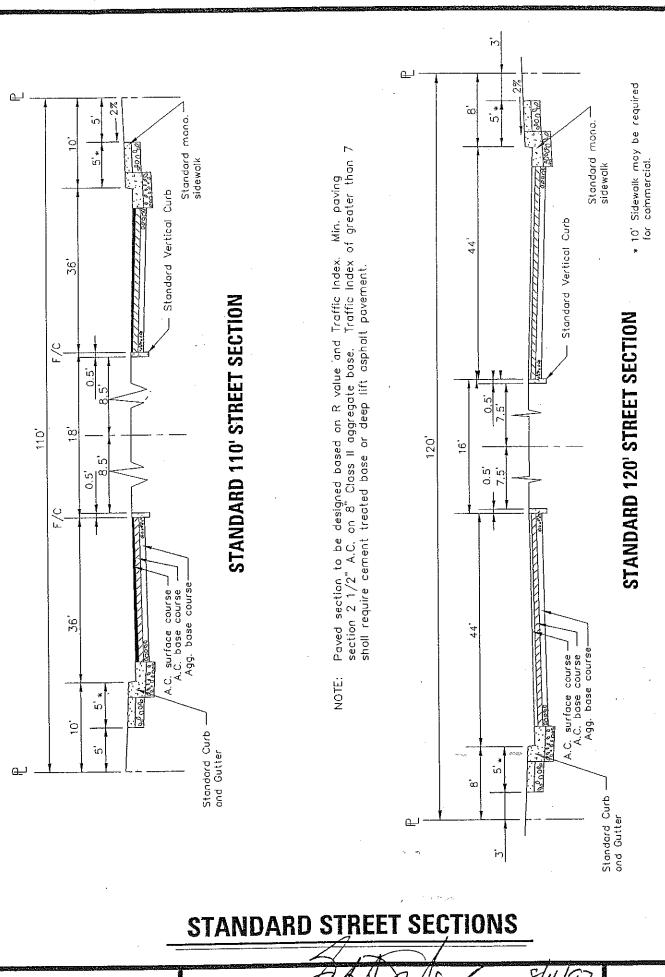
CITY OF CUPERTINO STANDARD DETAILS

APPROVED BY:

CITY ENGINEER DATE: 8/4/17







CITY OF CUPERTINO STANDARD DETAILS

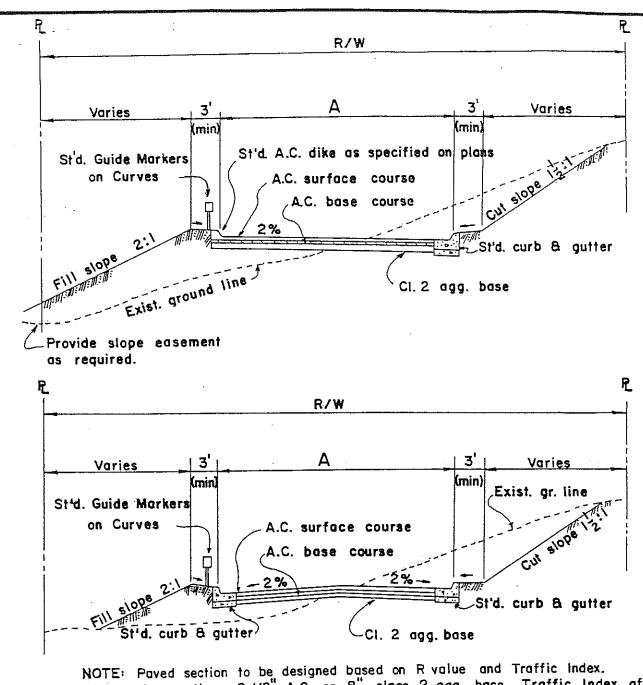
APPROVED BY:

3Y: 🕰

TTY BUGINEER

DATE:

8/4/97



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 af greater than 7 shall require cement treated base or deep lift asphalt pavement.

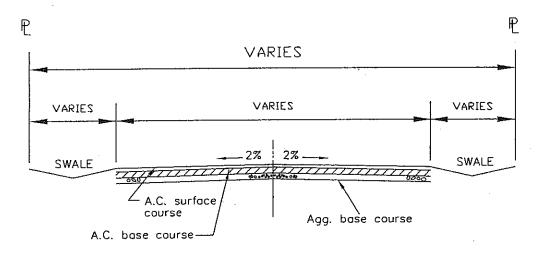
| TYPE | Α | R/W |
|---|-----|-----|
| One-way streets | 14' | 40' |
| Cul-de-sac 6 Lots or less max. potential | 20' | 40' |
| Cul-de-sac & local streets serving more than 6-Lots | 24' | 50 |
| Collector Streets | 30' | 60' |
| Major Streets | 40' | 60' |

SPECIAL ROADWAY SECTIONS FOR HILL SIDE SUBDIVISIONS

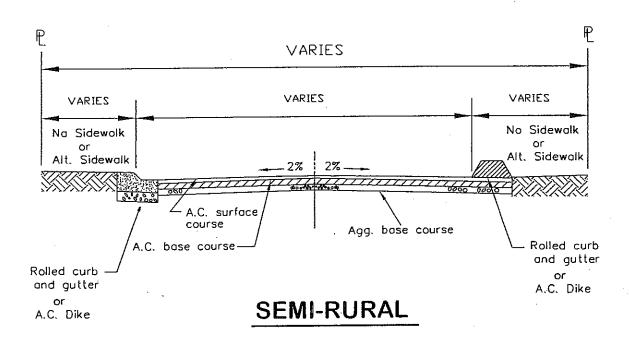
CITY OF CUPERTINO STANDARD DETAILS

APPROVED BY:

CITY ENGINEER PATE: 2/10

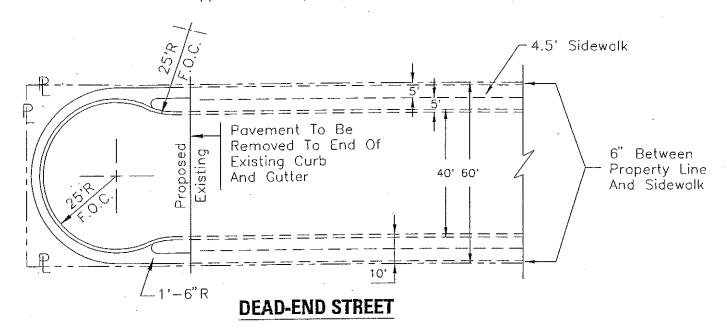


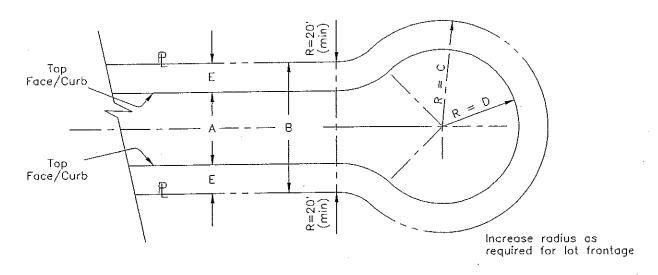
RURAL



RURAL & SEMI-RURAL STREET SECTIONS

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





| | Α | В. | С | D | Ε |
|--|-----|-------|-----|-----|-------------|
| INDUSTRIAL | 40' | 60' | 60' | 50' | 5' |
| COMMERCIAL | 40' | 60' | 55' | 45' | <u></u> 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

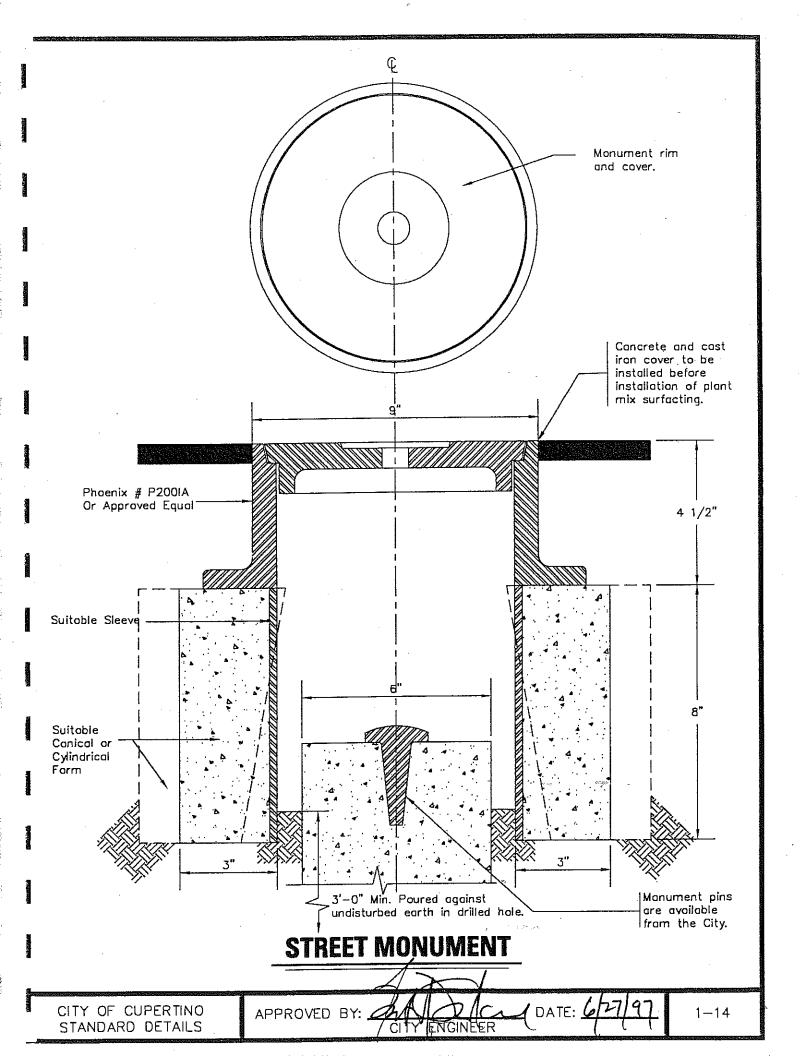
REVISED 6/9/97

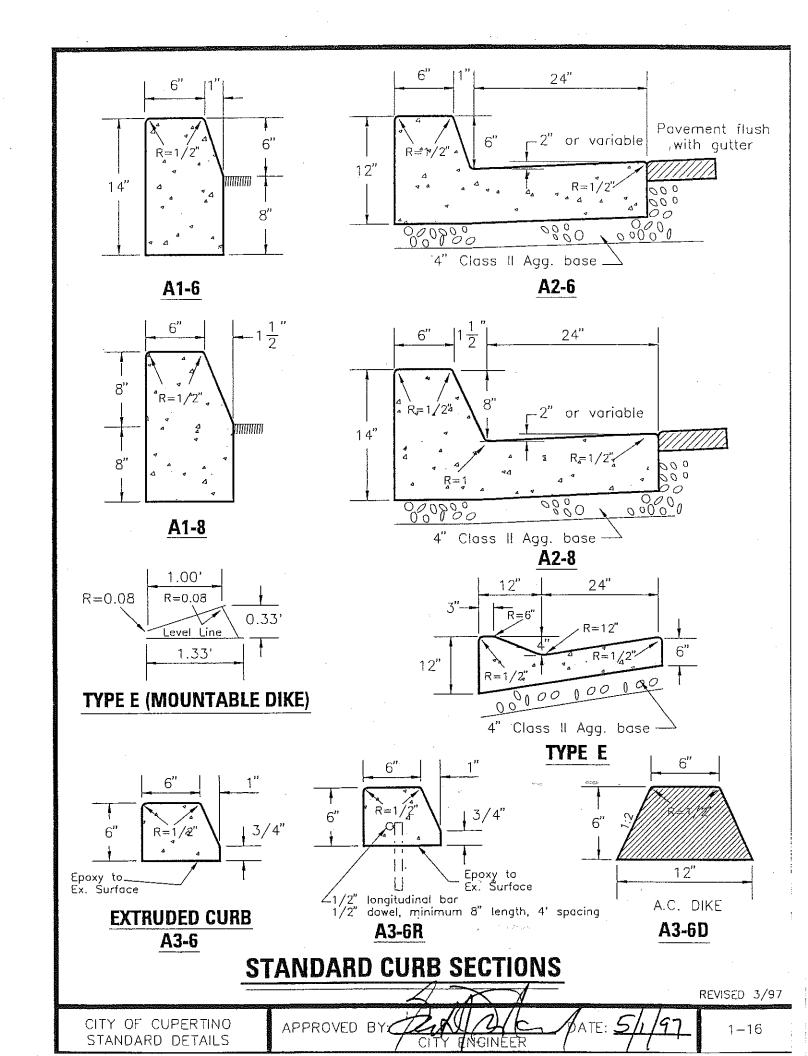
CITY OF CUPERTINO STANDARD DETAILS

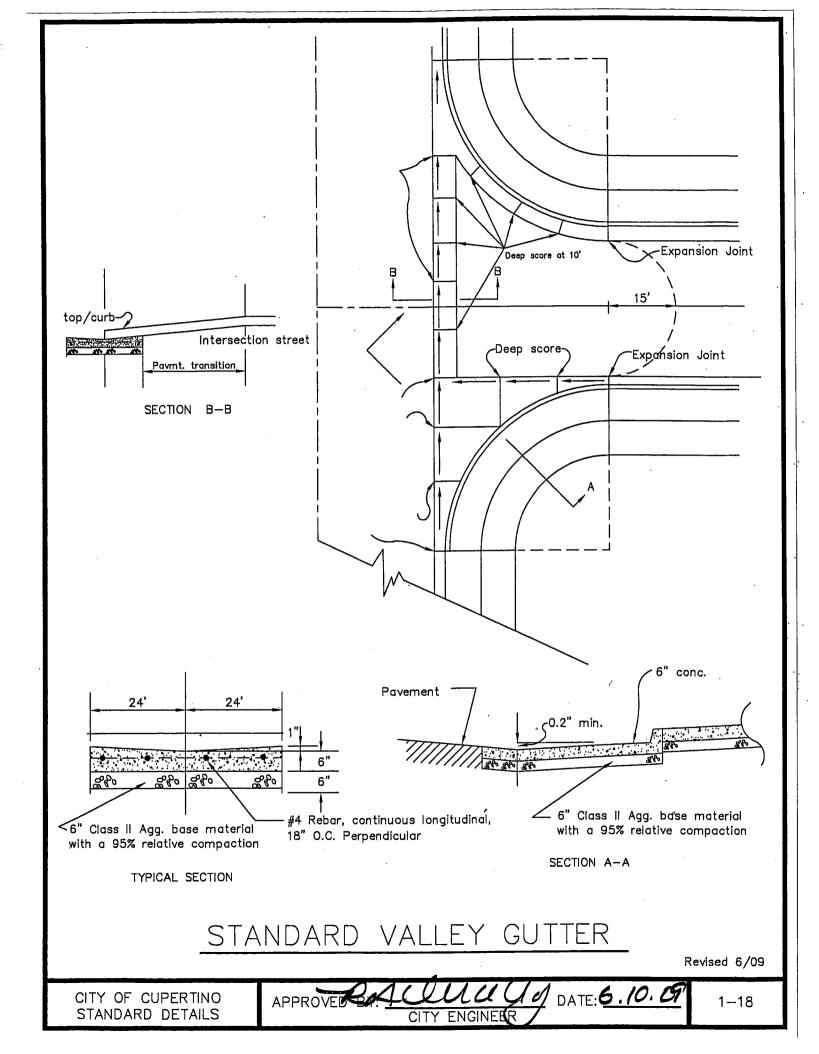
APPROVED BY

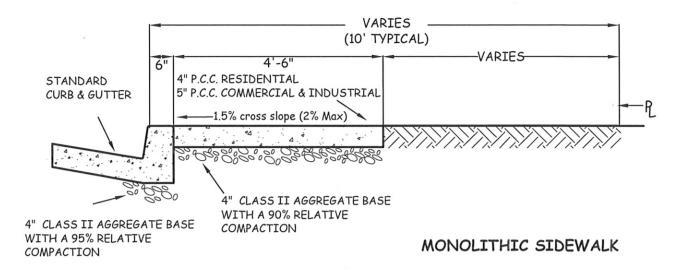
XICHYE

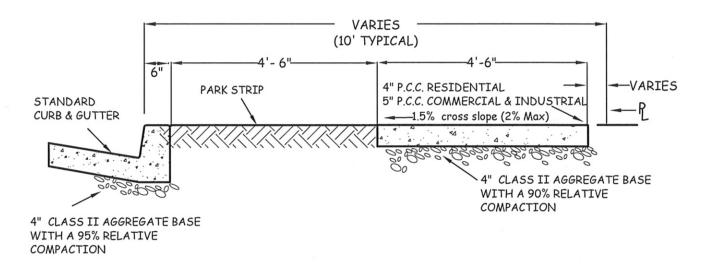
<u>а</u> date: <u>7-9-97</u>











DETACHED SIDEWALK

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

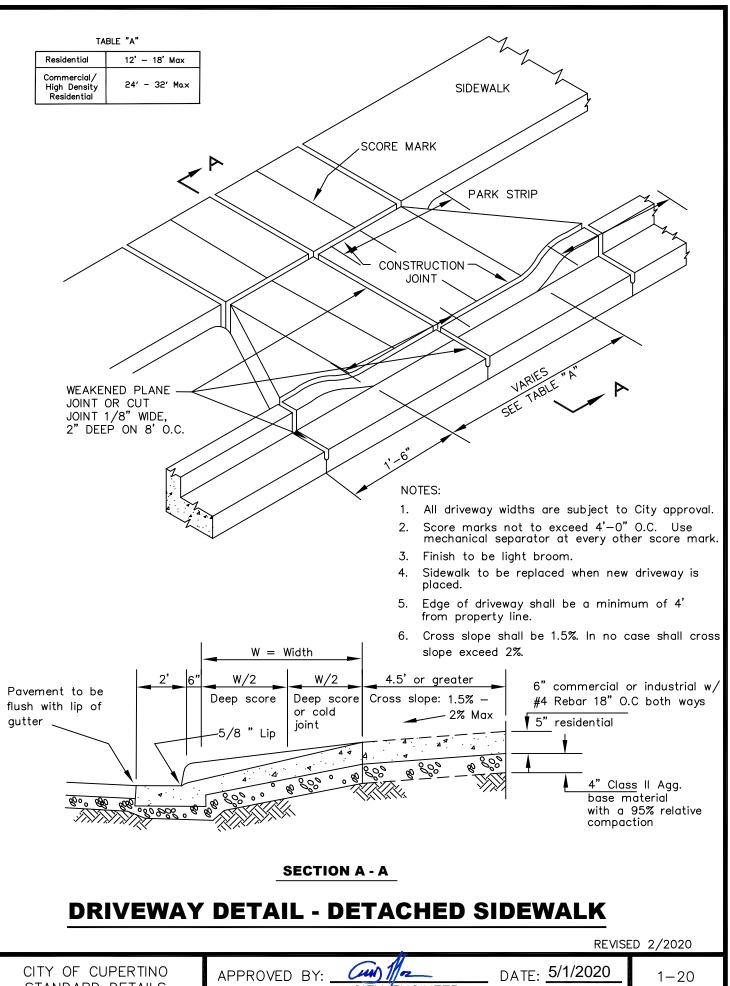
REVISED 6/2016

CITY OF CUPERTINO STANDARD DETAILS

APPROVED BY:

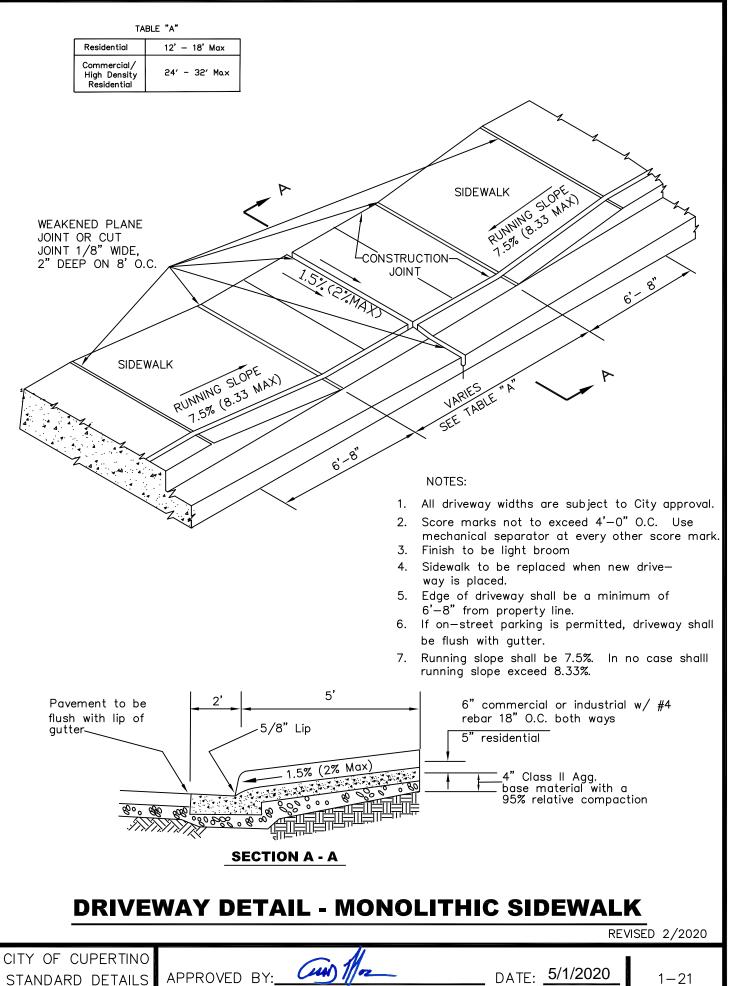
City Engineer

DATE: 6/29/16

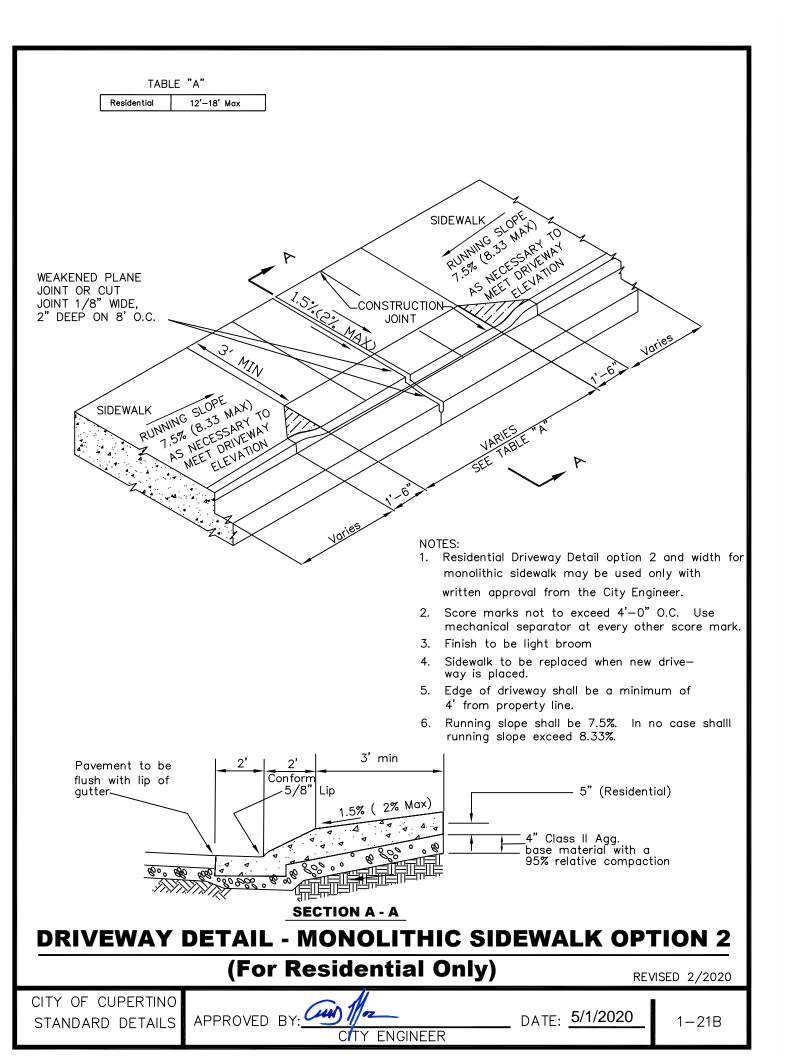


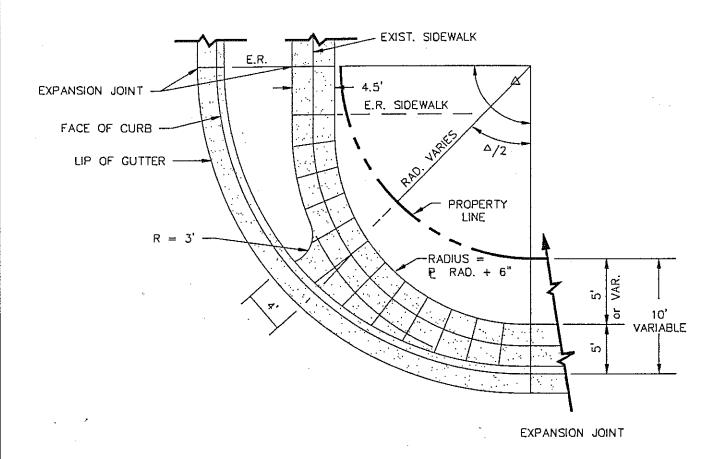
STANDARD DETAILS

CITY ENGINEER



CITY ENGINEER



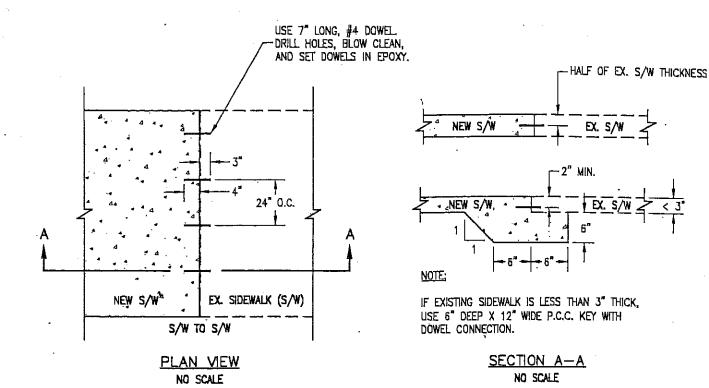


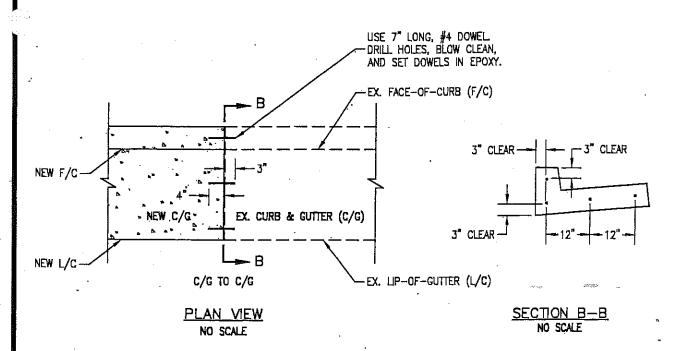
SIDEWALK CORNER TRANSITION FROM EXISTING SIDEWALK W/PLANTER STRIP TO NEW MONOLITHIC SIDEWALK

CITY OF CUPERTINO STANDARD DETAILS APPROVED BY

CITY ENGINEER

DATE: 5/30/95



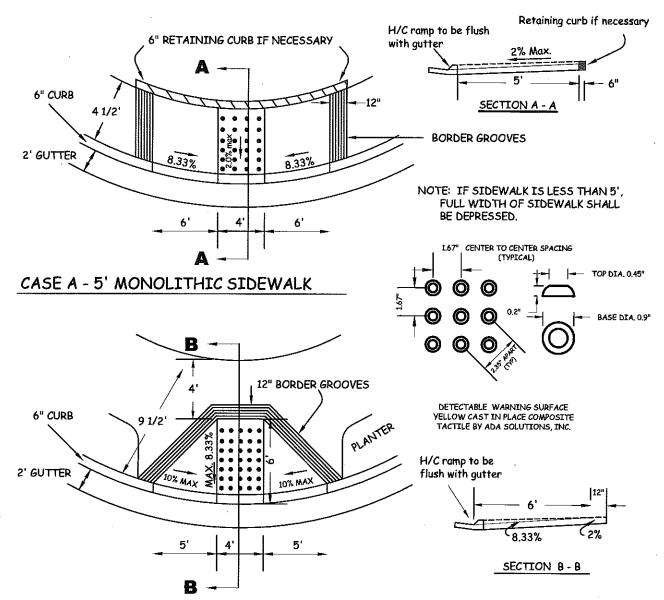


DOWEL CONNECTIONS

June 2009

CITY OF CUPERTINO STANDARD DETAILS APPROVED BY: QUULUS DATE 6- 10. 02

CITY ENGINEER



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
- CURB RAMP INSTALLATION SHALL COMPLY WITH CALTRANS STANDARD PLAN A88A IF FIELD CONDITIONS DIFFER.

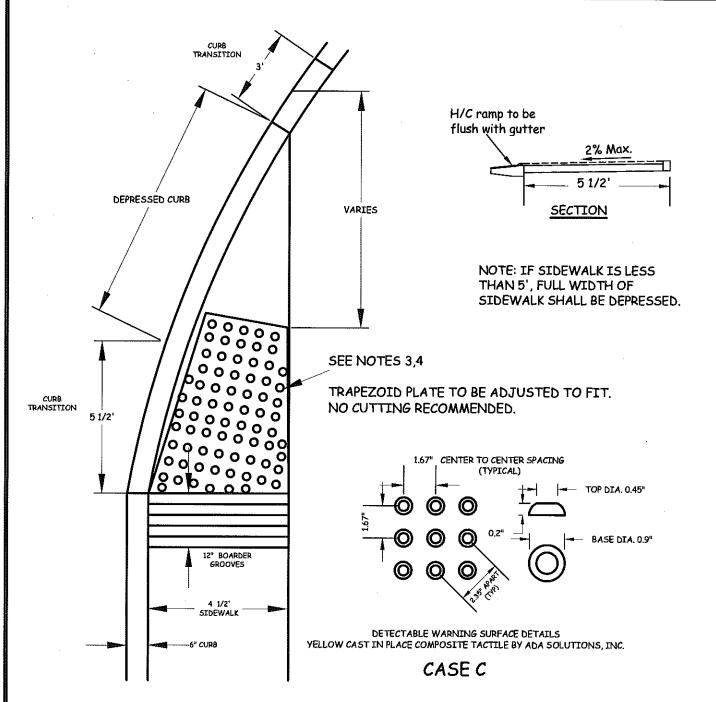
CURB RAMP DETAILS

CITY OF CUPERTINO STANDARD DETAILS

APPROVED BY: City Engineer

DATE: 7.27.10

1-24 .



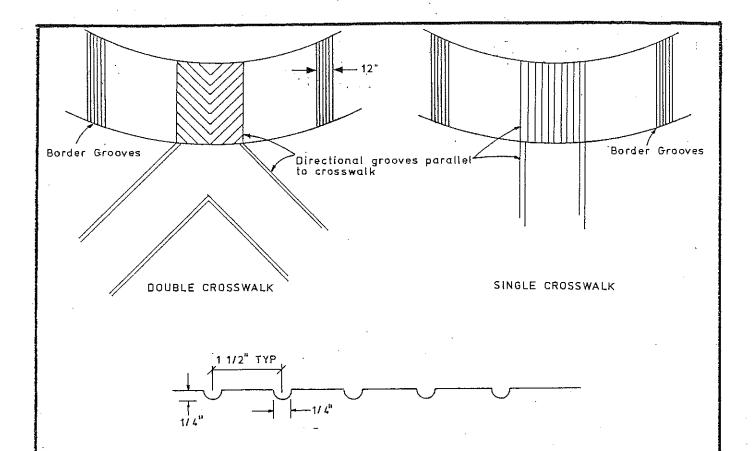
NOTES

- 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

PPROVED BY: City Engineer DATE: 7.27.10



DIRECTIONAL GROOVE DETAIL

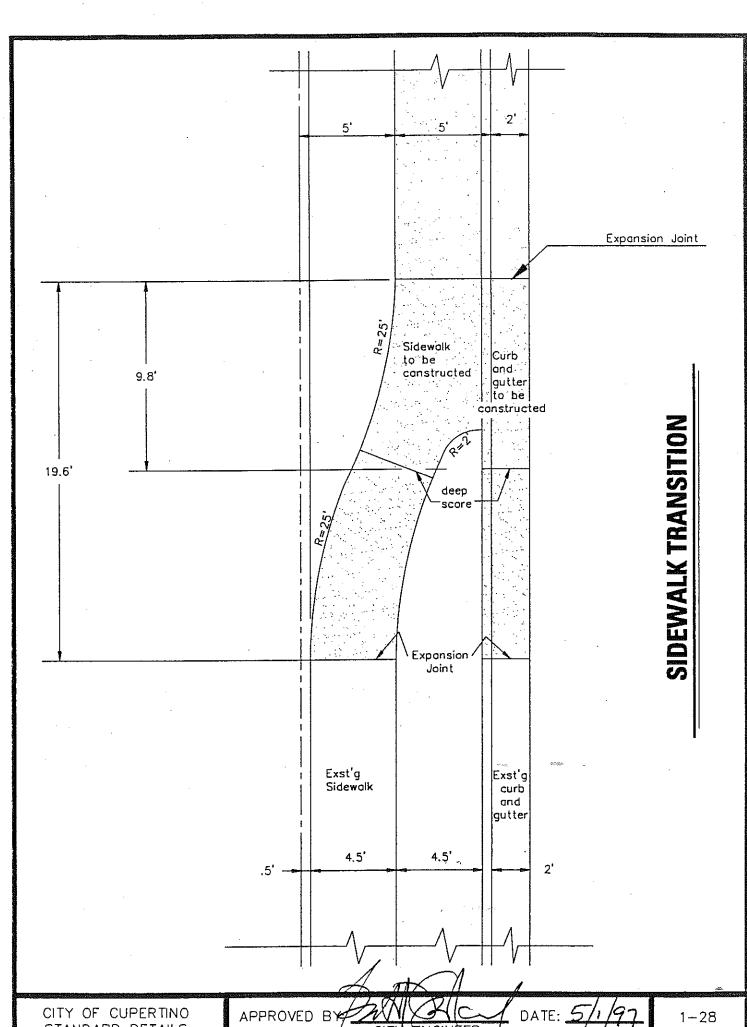
THE SURFACE OF EACH CURB RAMP LOCATED IN THE CENTER OF THE CURB RETURN SHALL BE GROOVED PARALLEL TO THE CENTERLINE OF THE CROSSWALKS TYPICALLY IN TWO DIRECTIONS WITH 1/4 INCH X 1/4 INCH (6.35mm X 6.35mm) GROOVES 1 1/2 INCHES (38.1mm) ON CENTER. WHERE ONLY ONE CROSSWALK EXISTS, RAMP SHALL BE GROOVED IN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

STANDARD DETAILS APPROVED BY: CITY ENGINEER DATE: 6 29 87 1-26

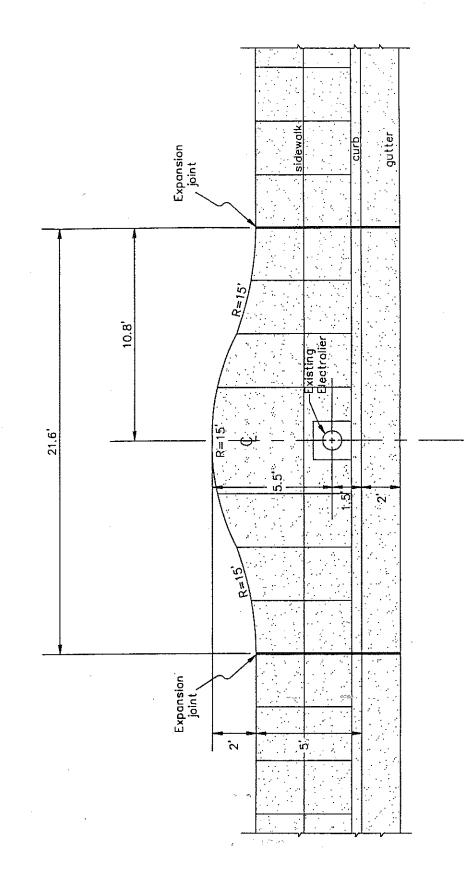


CITY OF CUPERTINO STANDARD DETAILS

SIDEWALK TRANSITION AROUND EXISTING ELECTROLIER

FIRE HYDRANT, UTILITY POLE, OR OTHER

OBSTRUCTIONS

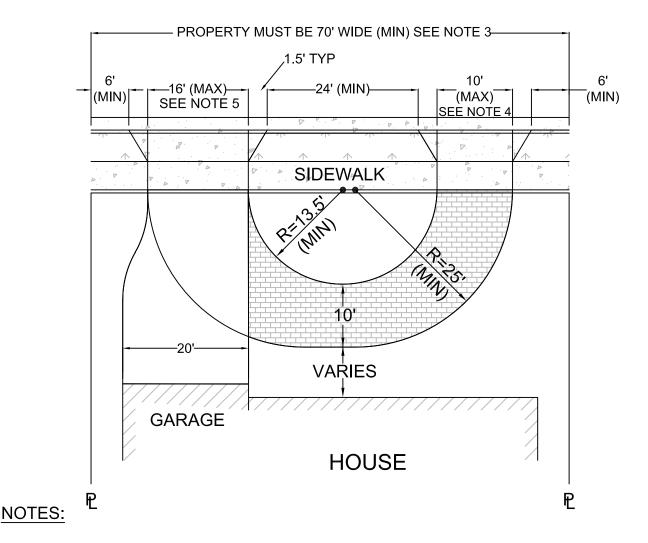


CITY OF CUPERTINO STANDARD DETAILS

APPROVED BY:

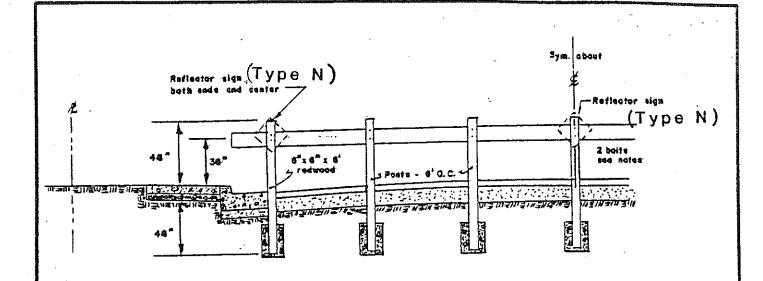
CITY ENGINEER

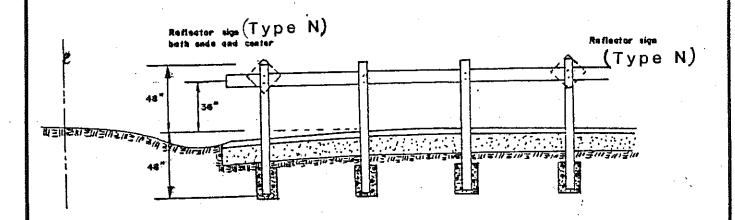
DATE: 5/25/95

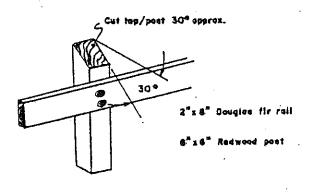


- 1) IN GENERAL, PUBLIC WORKS DOES NOT PERMIT CIRCULAR DRIVEWAYS IN ORDER TO REDUCE MULTIMODAL CONFLICTS AND TO PRESERVE ON-STREET PARKING. HOWEVER, EXCEPTIONS MAY BE GRANTED IF THE PROPERTY IS LOCATED ALONG ROADWAYS THAT CARRY SIGNIFICANT TRAFFIC, SUCH AS MCCLELLAN RD, N. STELLING RD, AND FOOTHILL BLVD.
- 2) THIS DETAIL ILLUSTRATES THE TYPICAL LAYOUT FOR A CIRCULAR DRIVEWAY. CIRCULAR DRIVEWAY LAYOUTS MAY BE AFFECTED, AND MAY SOMETIMES FOUND TO BE INFEASIBLE, DUE TO EXISTING SITE CONSTRAINTS INCLUDING, BUT NOT LIMITED TO, UTILITY LATERALS, STREET TREES, AND/OR UTILITY STRUCTURES PRESENT ALONG THE PROPERTY FRONTAGE.
- 3) FOR PROPERTIES LESS THAN 70' WIDE, EXCEPTIONS TO THE STANDARD DIMENSIONS MAY BE GRANTED ONLY WITH WRITTEN APPROVAL FROM THE CITY ENGINEER. AN APPLICANT MAY BE REQUIRED TO PROVIDE DRAWINGS PREPARED BY A REGISTERED CIVIL ENGINEER TO ADDRESS SITE SPECIFIC LAYOUTS AND CONDITIONS.
- 4) THE DRIVEWAY WIDTH MAY BE INCREASED TO 12' WITH WRITTEN APPROVAL FROM THE CITY ENGINEER.
- 5) THE DRIVEWAY WIDTH MAY BE INCREASED TO 18' FOR PROPERTIES GREATER THAN 70' WIDE.
- 6) THE ONSITE LAYOUT IS SUBJECT TO FRONT YARD IMPERVIOUS AREA LIMITATIONS PER CMC SECTION 19.124.030(A)(1)(e).
- 7) THE REMOVAL OF EXISTING PROTECTED AND/OR STREET TREES ARE SUBJECT TO THE CITY'S TREE REMOVAL AND REPLACEMENT REQUIREMENTS PER CMC CHAPTERS 14.12 AND 14.18.

CIRCULAR DRIVEWAY DETAIL







DETAIL

NOTES

- t. Rails fastened to posts with 5/8° galv. machine boils and cost-iron washer
- 2. Posts shall be out am per datain
- 3. Place W21-R reflector signe as shown.
- 4 Barricades shall be primed and painted with two coats of standard exterior white point
- 5. Barricades to be extended over sidewalk as required by engineer.

STANDARD STREET BARRICADE

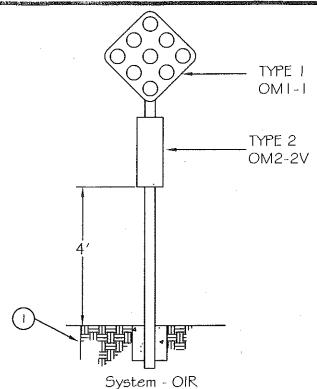
CITY OF CUPERTINO STANDARD DETAILS

APPROVED BY :

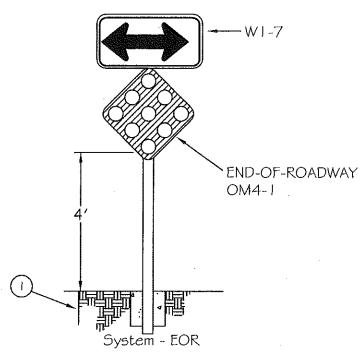
SIF ENGINEER

DATE : 2/10/29

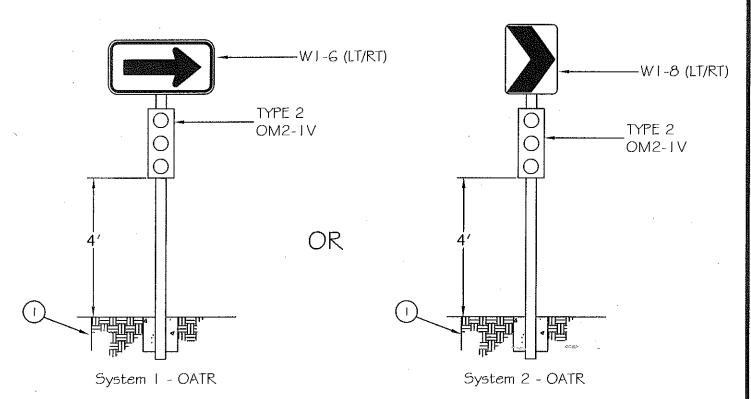
Ž−2



MARKING FOR OBJECTS IN ROADWAY



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



MARKING FOR OBJECTS ADJACENT TO ROADWAY

NOTES:

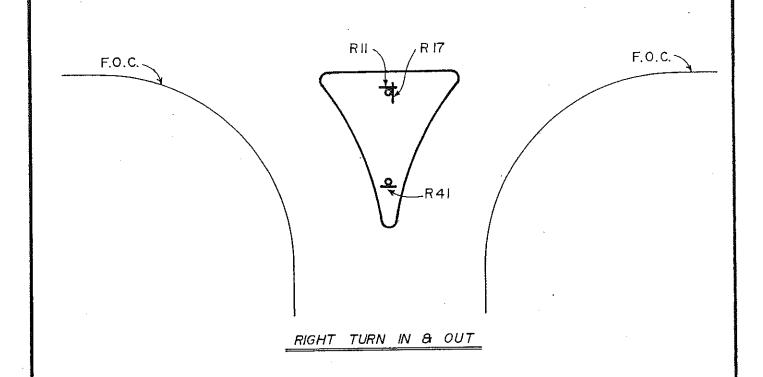
(!) SEE CITY STANDARD DETAIL 2-20 POST & FOUNDATION.

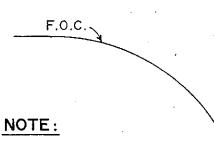
SIGN CODING IS MUTCD 2003 CALIF SUPPLIMENT ANS SUBSEQUENTIAL REVISIONS.

OBJECT MARKING DETAIL

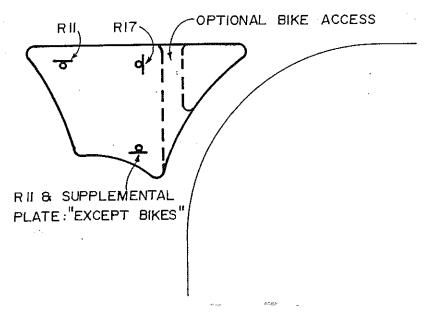
CITY OF CUPERTINO STANDARD DETAILS

APPROVED BY: City Engineer DATE: 1.8.07





- I. RII & RI7 SIGNS TO BE INSTALLED ONLY WHEN APPLICABLE.
- 2. ALL DIMENSIONS TO BE DETERMINED BY THE CITY ENGINEER.

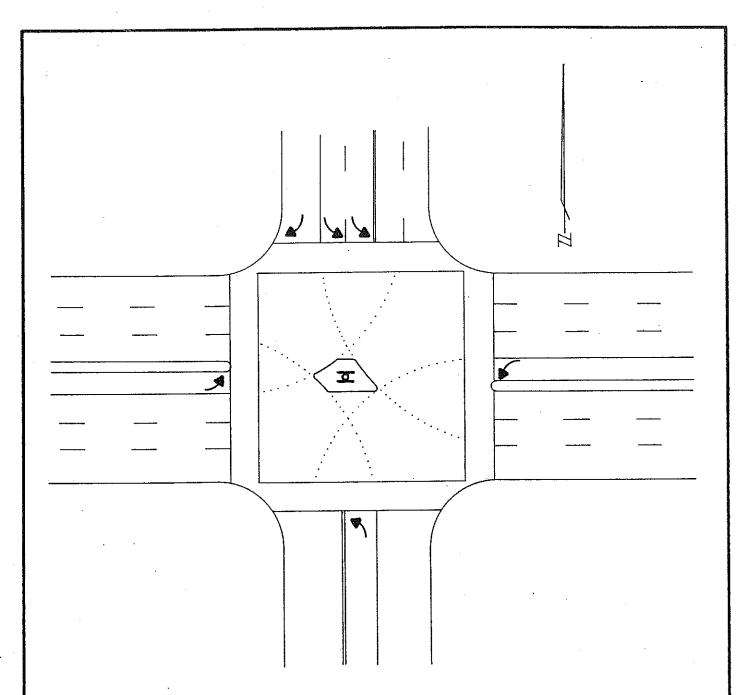


RIGHT TURN IN

ACCESS CONTROL ISLANDS

CITY OF CUPERTINO STANDARD DETAILS

APPROVED BY:



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.

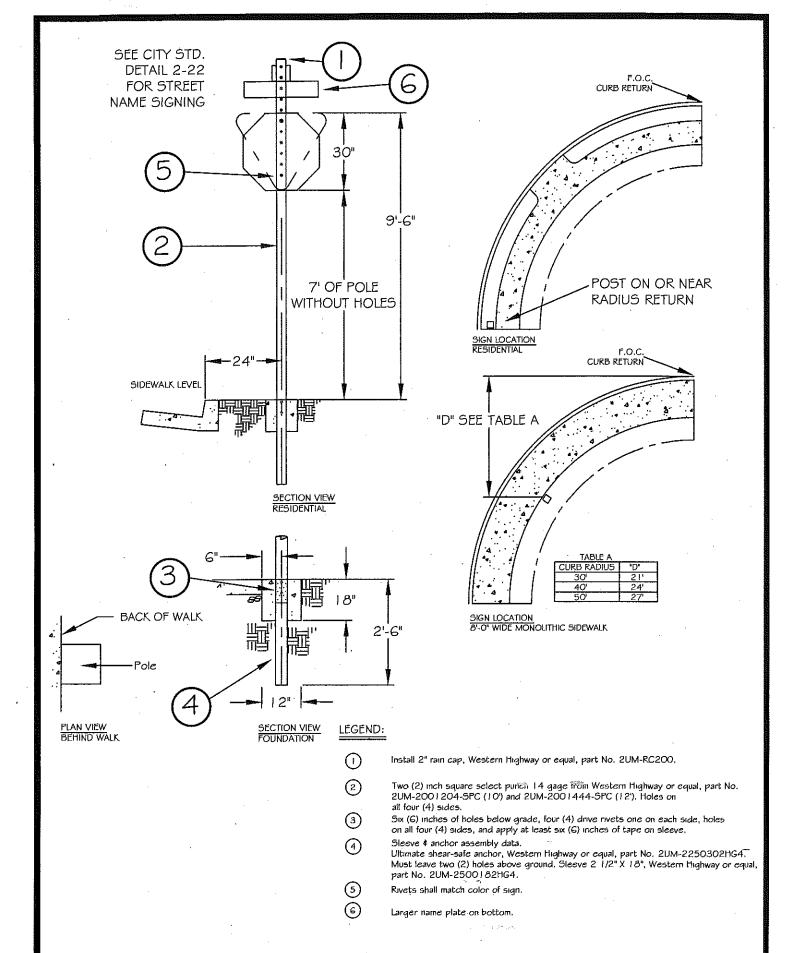
THROUGH MOVEMENT CONTROL ISLAND

CITY OF CUPERTINO STANDARD DETAILS

APPROVED BY:

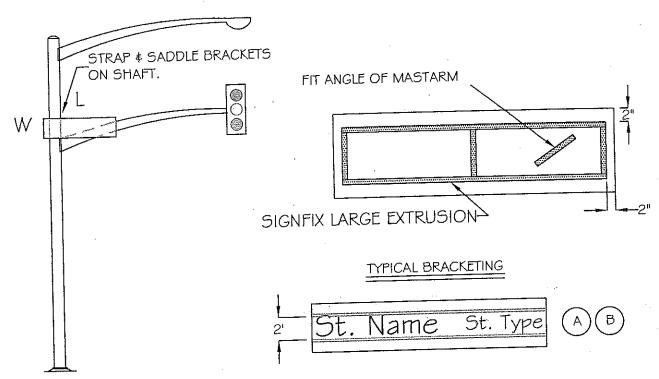
CITY ENGINEER

DATE: 8-14-89



CITY OF CUPERTINO STANDARD DETAILS

APPROVED BY: UUUS DATE: 2.9.09
City Engineer



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

SIGN SIZE: L = FIT TEXTW = 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 - I" WHITE BORDER

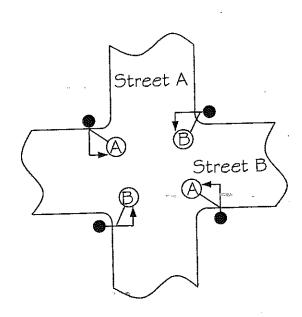
HARDWARE: SIGNFIX LARGE EXTRUSION, PART No. 5XO | 30 UNIVERSAL CHANNEL CLAMP PART NO. 5XO220

GENERAL MATERIAL & INSTALLATION FOR TRAFFIC SIGNAL POLES

• 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.

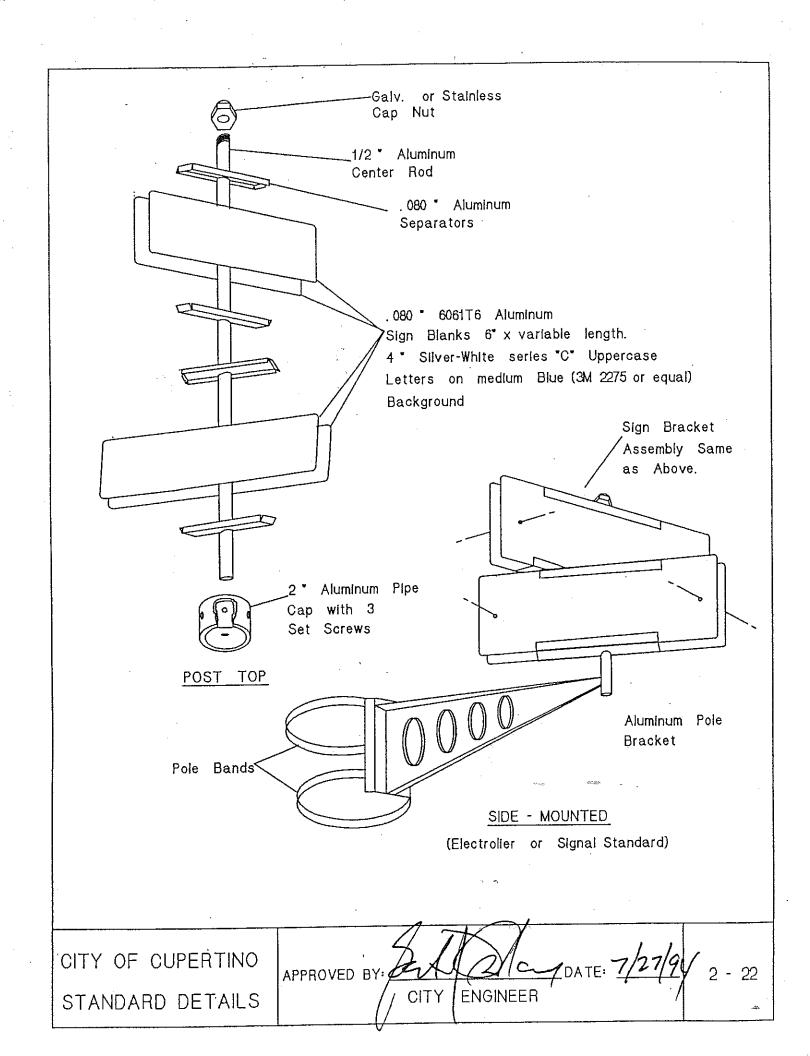
TYPICAL LETTERING



TYPICAL SIGN INSTALLATION AT SIGNALIZED INTERSECTION

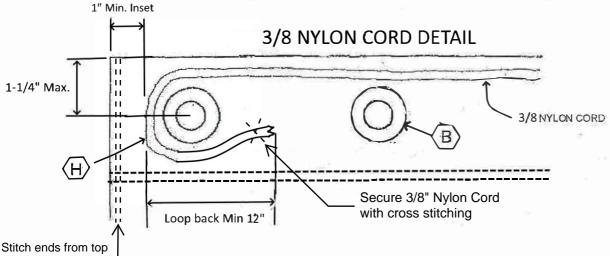
CITY OF CUPERTINO STANDARD DETAILS

APPROVED BY: Octy Engineer DATE: 7.21.03

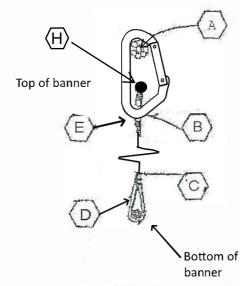


PUBLIC SERVICE BANNER Hanging cable and clips City supplied Stitch ends from top of banner to top of 4" pocket at bottom. DOUBLE STITCHED & DOUBLE WALLED 4" POCKET WIND VENTS

GROMMET INNER DIAMETER MUST BE 5/8"



Stitch ends from top of banner to top of 4" pocket at bottom.



SECTION A-A

GENERAL NOTES

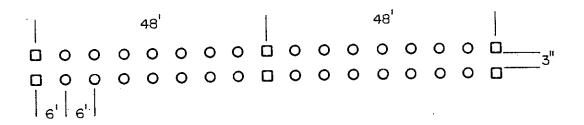
- A. 1/2" diameter support cable with attachment clips (by City).
- B. 5/8" interior diameter grommet >NO SUBSTITUTIONS<
 2'- 0" O.C. (17 ea.)
- C. Double thickness material; 20 oz.
- D. Double walled reinforced 4" pocket double stitch with # 12 dacron thread:
- E. Reinforced grommet and cord pocket. Double stitch with #12 dacron thead pocket sized to fit cord and grommets.
- F. Minimum Letter size 4" high. High Contrast coloring is suggested with bold font.
- G. Wind vents cut across banner -(Minimum of 9, approx. 6" x 6", evenly spaced)
- H. 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

CITY OF CUPERTINO STANDARD DETAILS

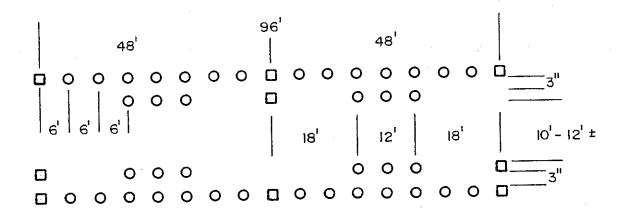
APPROVED BY:



DATE: 5/6/2021



DETAIL 23C



DETAIL 33C

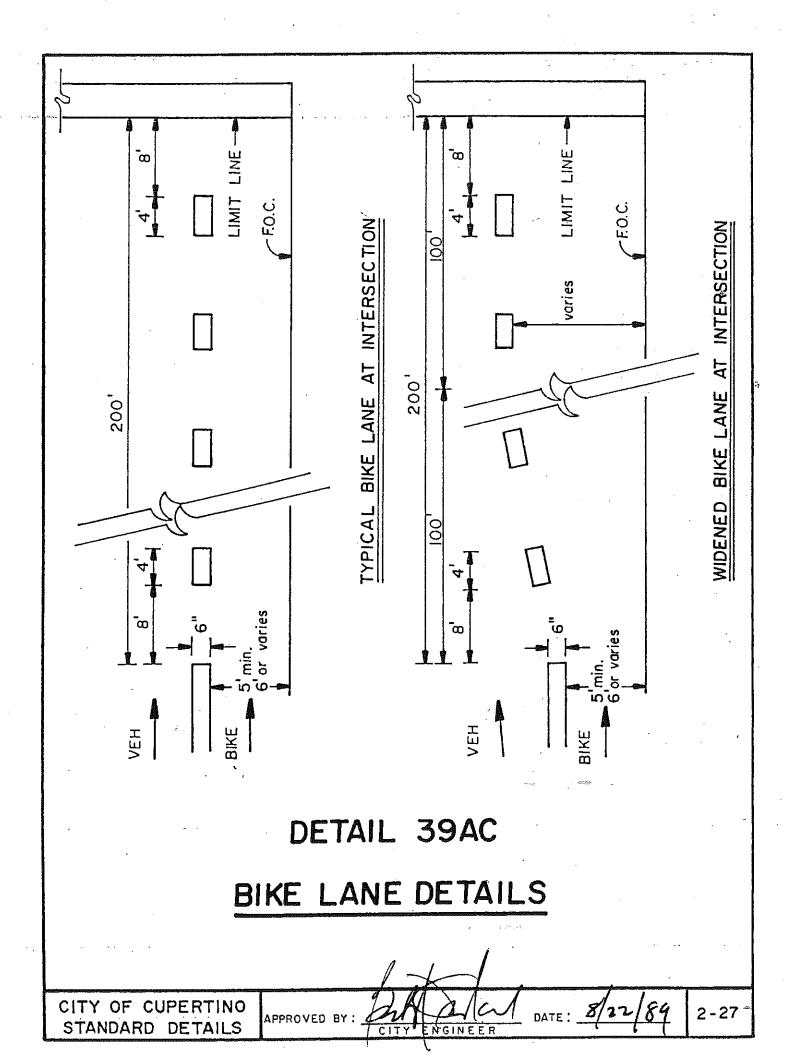
LEGEND

- ☐ TWO-WAY YELLOW REFLECTIVE MARKER
- O NON-REFLECTIVE YELLOW MARKER

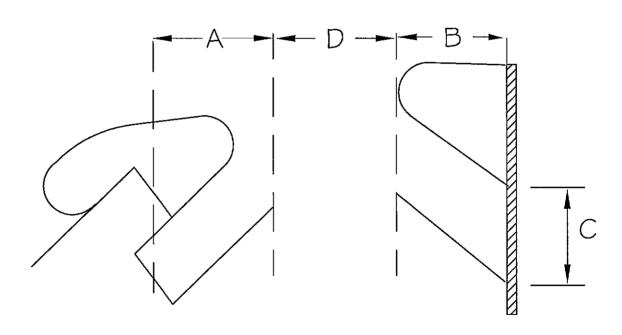
CITY OF CUPERTINO STANDARD DETAILS

APPROVED BY :

DICL DATE: 2/10/89



| Angle | | Stall Depth | Stall Depth | Curb Length | Aisle Width "D" | |
|-----------|-------------|-------------|-------------|-------------|-----------------|---------|
| (Degrees) | Stall Width | "A" | "B" | "C" | 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

CITY OF CUPERTINO STANDARD DETAILS APPROVED BY:





DATE: 11/26/12

| Œ. | 1 |
|----------|---|
| | L |
| - | |
| - | , |
| 受 | |
| C |) |
| Ć | |
| | |
| | |
| | |
| | |

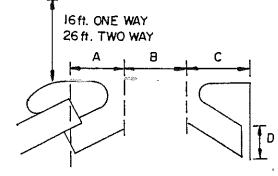
STANDARD

| ANGLE DEGREE | DEPTH "A" | AISLE WIDTH "B" | DEPTH @WALL "C" | LENGTI "D" | I A+B+A | A+B+Ç | | DEFTH | WIDTH B" | "G" | LENGTI "D" | A+B+A | A+B+C | |
|-----------------|--------------|-----------------------|-----------------------|---------------|--------------|-------|------|----------------|-------------|------|---------------|--------------|--------------|------|
| 0 | 8.0 | 18.0 | В.О | 18.0 | N/A | N/A | N/A | 8.0 | 18.0 | 8.0 | 18.0 | N/A | N/A | N/A |
| 30 | | | 14.7 | | | | | 11.4 | | | | | 44.5 | |
| 35 | 12.2 | | 15.4 | 13.9 12.4 | 42.3 44.1 | 47.1 | | 12.4 13.2 | | | | 42.7 44.4 | 46.2 47.7 | |
| 40 45 | 13.0 13.8 | | 16.1 16.6 | 11.3 | 46.1 | | | 14.0 | | | | _ | 48.9 | |
| .50 | 14.4 | 19.0 | | 10.4 | 47.9 | 50.5 | | 14.6 | | | | | | |
| 55 | 15.0 | | 17.3 | | 49.5 | 51.8 | | 15.1 | | | 10.4 | | | |
| 60 | 15.4 | 20.0 | | 9.2 | | 52 B | | 15.5 | | | | | | |
| 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 | | | | 54.6 | | [16.0 | | | | 53.0 | | |
| 85 | | | | | 54.1 | | | 15.8 | | | | | | |
| 90 | 15.5 | 23.0 | .15.5 | | | | | 15.5 | | | | 53.0 | | 53.0 |

| | | WIDTH | | _ | TWO-V | AY AI | SLE | STALL | WIDTH | 9.50 | Feet 7 | * TWO- | WAY AIS | SLE |
|-----------------|-------|----------------|----------------|----------------|-------|-------|-------|-------|-------|-------|--------|--------|---------|-------|
| ANGLE DEGREE | STALL | AISLE WIDTH | GANTT GANTT | CURB LENGT! | | A+B+C | C+B+G | DEPTH | чBч | @WALL | LENGT: | A+B+A | | C+B+C |
| 0 | 8.0 | 18.0 | 8.0 | 22.0 | N/A | N/A | • | 8.0 | • | • | • | • | | 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 |
| 8.5 | 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 |

| | | STALL | WIDTH | 10.00 | Feat 7 | * TWO-1 | VAY AIS | SLE |
|-------|----|-------|--------------|-----------------------|---------------|---------|---------|-------|
| ANGLE | | DEPTH | WIDTH "B" | DEPTH @WALL "C" | LENGTI "D" | A+B+A | A+B+G | G+B+G |
| 1 | 0 | 8 | 18.0 | | | | N/A | N/A |
| j 3 | 30 | 13,3 | 18.0 | 17.7 | 20.0 | 44.7 | 49.0 | 53.3 |
| į 3 | 35 | 14.4 | 18.0 | 18.5 | 17.4 | 46.8 | 50.9 | 55,0 |
| 4 | ŧ0 | 15.4 | 18.0 | 19.2 | 15.6 | 48.8 | 52.6 | 56.5 |
| j 4 | 15 | 16.3 | 18.0 | 19.8 | 14.1 | 50.5 | 54.1 | 57.6 |
| 1 5 | 50 | 17.0 | 18.0 | 20.2 | 13.1 | 52.0 | 55.2 | 58.4 |
| 1 5 | 55 | 17,6 | 18.0 | 20.5 | 12.2 | 53.2 | 56.1 | 59.0 |
| 6 | 60 | 18.1 | 18.0 | | 11.5 | | | |
| 6 | 55 | 18.4 | 18.0 | 20.5 | 11.0 | | | |
| 1 7 | 70 | 18.6 | 19.0 | 20,3 | 10.6 | | | |
| 1 7 | 75 | 18.7 | 20.0 | 20.0 | | | | |
| 8 | 30 | 18.6 | 21.0 | | | | | |
| 1 8 | 15 | 18.4 | 22.0 | | | | | |
| 1 9 | 70 | 18.0 | 23.0 | 18.0 | 10.0 | 59.0 | 59.0 | 59.0 |

STANDARD



CITY OF CUPERTINO STANDARD DETAILS

APPROVED BY

Part Alch

DATE: 8/18/89

STALL WIDTH 9.00 Feet * ONE-WAY AISLE SINGLE HANDICAP STALL * SPACE ONE SIDE

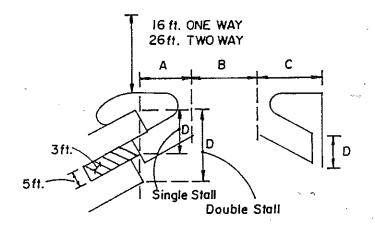
STALL WIDTH 9.00 Feet * TWO-WAY AISLE

DOUBLE HANDICAP STALL * SPACE CENTERED

| (|) |
|---|---|
| C | ב |
| 4 | 7 |
| | Ĺ |
| | |
| | |
| | |

| }— |
|---------------|
| S |
| |
| \supset |
| |
| |
| Z |
| <u>permud</u> |

| | STATT. | AISLE | DEPTH | CURB | | | , | STALL | AISLE | DEPTH | CURB | | | |
|---|--|--|--|--|---|---|--|---|---|---|---|---|--|--|
| ANGLE DEGREE | DEPTH "A" | WIDTH "B" | "C" | LENGTH | A+B+A | | C+B+G | DEPTH "A" | WIDTH "B" | @WALL | LENGTH | A+B+A | A+B+C | |
| 0 | 8.0 | 10.0 | 8.0 | 48(2) | N/A | N/A | N/A | 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 | 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 | 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 | 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 | 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 | 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 | 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 | 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 | | 20.0 | 20.1 | 25.4 | 56.4 | | 60.2 |
| 70 | 18.5 | 19.0 | 20.0 | 14.9 | 55.9 | 57.4 | | 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 | | 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 | 18.5 | | 19,3 | 23,4 | 60.0 | 60.B | 61.6 |
| 85 | 18.3 | 23.5 | 18.7 | 14.1 | 60.1 | 60.5 | | • | | 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 | 18.0 | 25.0 | 18.0 | 23.0 | 61.0 | 61.0 | 61.0 |
| | STALL | WIDTH | 8.67 | Feet ' | • ONE-1 | IA YAI | sle | | | | Feet 7 | | AY AI | SLE |
| | + | WIDTH | | | • ONE-1 | IA YAI | SLE + | + | AISLE | DEPTH | CURB | | LA YA | SLE + |
| ANGLE | STALL | AISLE | DEPTH | CURB LENGTI | | | + | + STALL DEPTH | AISLE WIDTH | DEPTH @WALL | CURB LENGT | | | + |
| | STALL | AISLE | DEPTH | CURB LENGTI | | | SLE + C+B+C | + STALL DEPTH | AISLE | DEPTH | CURB | | A+B+C | + |
| | STALL DEPTH | AISLE WIDTH | DEPTH @WALL "C" | CURB LENGTI | H A+B+A H | A+B+C N/A | + C+B+C N/A | STALL DEPTH | AISLE WIDTH "B" | DEPTH @WALL "C" | CURB LENGTI "D" | I A+B+A N/A | A+B+C + | C+B+C |
| DEGREE | STALL DEPTH "A" 8.0 | AISLE WIDTH "B" 10.0 | DEPTH @WALL "C" 8.0 16.5 | CURB LENGTI "D" 48(2) 17.3 | N/A 35.5 | A+B+C N/A 39.3 | C+B+C N/A 43.0 | STALL DEPTH MA" | AISLE WIDTH "B" 18.0 | DEPTH @WALL "C" 8 | GURB LENGTI "D" 48(2) 17.3 | H A+B+A N/A 43.5 | A+B+C + N/A 47.3 | C+B+C N/A 51.0 |
| DEGREE 0 30 35 | STALL DEPTH "A" 8.0 12.8 13.9 | AISLE WIDTH "B" 10.0 10.0 | DEPTH @WALL "C" 8.0 16.5 | CURB LENGTI "D" 48(2) 17.3 15.1 | N/A 35.5 37.7 | A+B+C N/A 39.3 41.3 | C+B+C N/A 43.0 44.8 | + STALL DEPTH "A" 8 12.8 13.9 | AISLE WIDTH "B" 18.0 18.0 18.0 | DEPTH @WALL "C" 8 16.5 | GURB LENGTI "D" 48(2) 17.3 15.1 | N/A 43.5 45.7 | A+B+C N/A 47.3 49.3 | C+B+C N/A 51.0 52.8 |
| 0 30 35 40 | STALL DEPTH "A" 8.0 12.8 13.9 14.9 | AISLE WIDTH "B" 10.0 10.0 10.0 10.5 | DEPTH @WALL "C" 8.0 16.5 17.4 18.2 | CURB LENGTI "D" 48(2) 17.3 15.1 13.5 | N/A 35.5 37.7 40.3 | A+B+C N/A 39.3 41.3 43.6 | C+B+C N/A 43.0 44.8 46.9 | + STALL DEPTH "A" 8 12.8 13.9 14.9 | AISLE WIDTH "B" 18.0 18.0 18.0 18.0 | DEPTH @WALL "C" 8 16.5 17.4 18.2 | GURB LENGTI "D" 48(2) 17.3 15.1 13.5 | N/A 43.5 45.7 47.8 | A+B+C N/A 47.3 49.3 51.1 | C+B+C N/A 51.0 52.8 54.4 |
| DEGREE 0 30 35 40 45 | STALL DEPTH "A" 8.0 12.8 13.9 14.9 15.8 | AISLE WIDTH "B" 10.0 10.0 10.5 12.0 | DEPTH @WALL "C" 8.0 16.5 17.4 18.2 18.9 | CURB LENGTI "D" 48(2) 17.3 15.1 13.5 12.3 | N/A 35.5 37.7 40.3 43.6 | A+B+C N/A 39.3 41.3 43.6 46.6 | C+B+C N/A 43.0 44.8 46.9 49.7 | STALL DEPTH "A" 8 12.8 13.9 14.9 15.8 | AISLE WIDTH "B" 18.0 18.0 18.0 18.0 | DEPTH @WALL "C" 8 16.5 17.4 18.2 18.9 | GURB LENGTI "D" 48(2) 17.3 15.1 13.5 12.3 | N/A 43.5 45.7 47.8 49.6 | A+B+C N/A 47.3 49.3 51.1 52.6 | C+B+C N/A 51.0 52.8 54.4 55.7 |
| 30 35 40 45 50 | STALL DEPTH "A" 8.0 12.8 13.9 14.9 15.8 16.6 | AISLE WIDTH "B" 10.0 10.0 10.5 12.0 13.5 | DEPTH @WALL "C" 8.0 16.5 17.4 18.2 18.9 | CURB LENGTH "D" 48(2) 17.3 15.1 13.5 12.3 11.3 | N/A 35.5 37.7 40.3 43.6 46.6 | A+B+C N/A 39.3 41.3 43.6 46.6 49.4 | C+B+C N/A 43.0 44.8 46.9 49.7 52.2 | STALL DEPTH "A" 8 12.8 13.9 14.9 15.8 16.6 | AISLE WIDTH "B" 18.0 18.0 18.0 18.0 18.0 | DEPTH @WALL "C" 8 16.5 17.4 18.2 18.9 19.4 | GURB LENGTI "D" 48(2) 17.3 15.1 13.5 12.3 11.3 | N/A 43.5 45.7 47.8 49.6 51.1 | A+B+C N/A 47.3 49.3 51.1 52.6 53.9 | C+B+C N/A 51.0 52.8 54.4 55.7 56.7 |
| 0 30 35 40 45 50 | STALL DEPTH "A" 8.0 12.8 13.9 14.9 15.8 16.6 | AISLE WIDTH "B" 10.0 10.0 10.5 12.0 13.5 15.0 | BEPTH @WALL "C" 8.0 16.5 17.4 18.2 18.9 19.4 19.7 | CURB LENGTH "D" 48(2) 17.3 15.1 13.5 12.3 11.3 10.6 | N/A 35.5 37.7 40.3 43.6 46.6 49.5 | A+B+C N/A 39.3 41.3 43.6 46.6 49.4 51.9 | C+B+C N/A 43.0 44.8 46.9 49.7 52.2 54.4 | + STALL DEPTH "A" | AISLE WIDTH "B" 18.0 18.0 18.0 18.0 18.0 | DEPTH @WALL "C" 8 16.5 17.4 18.2 18.9 19.4 | GURB LENGTI "D" 48(2) 17.3 15.1 13.5 12.3 11.3 10.6 | N/A 43.5 45.7 47.8 49.6 51.1 53.0 | A+B+C N/A 47.3 49.3 51.1 52.6 53.9 55.4 | C+B+C N/A 51.0 52.8 54.4 55.7 56.7 |
| 0 30 35 40 45 50 55 | STALL DEPTH "A" 8.0 12.8 13.9 14.9 15.8 16.6 17.2 17.8 | AISLE WIDTH "B" 10.0 10.0 10.5 12.0 13.5 15.0 16.5 | 8.0 16.5 17.4 18.2 18.9 19.4 19.7 | 48(2) 17.3 15.1 13.5 12.3 11.3 10.6 | N/A 35.5 37.7 40.3 43.6 46.6 49.5 | A+B+C N/A 39.3 41.3 43.6 46.6 49.4 51.9 54.2 | C+B+C N/A 43.0 44.8 46.9 49.7 52.2 54.4 56.3 | STALL DEPTH "A" | AISLE WIDTH "B" 18.0 18.0 18.0 18.0 18.0 18.0 18.0 19.5 | DEPTH @WALL "C" 8 16.5 17.4 18.2 18.9 19.4 19.7 | CURB LENGTI "D" 48(2) 17.3 15.1 13.5 12.3 11.3 10.6 10.0 | N/A 43.5 45.7 47.8 49.6 51.1 53.0 55.0 | A+B+C N/A 47.3 49.3 51.1 52.6 53.9 55.4 | C+B+C N/A 51.0 52.8 54.4 55.7 56.7 57.9 |
| 0 30 35 40 45 50 55 60 | STALL DEPTH "A" 8.0 12.8 13.9 14.8 16.6 17.2 17.8 18.1 | AISLE WIDTH "B" 10.0 10.0 10.0 10.5 12.0 13.5 15.0 16.5 18.0 | B.0 16.5 17.4 18.9 19.4 19.7 19.9 20.0 | CURB LENGTI "D" 48(2) 17.3 15.1 13.5 12.3 11.3 10.6 10.0 9.6 | A+B+A N/A 35.5 37.7 40.3 43.6 46.6 49.5 52.0 54.3 | A+B+C N/A 39.3 41.3 43.6 46.6 49.4 51.9 54.2 56.1 | C+B+C N/A 43.0 44.8 46.9 49.7 52.2 54.4 56.3 58.0 | + STALL DEPTH "A" | AISLE WIDTH "B" 18.0 18.0 18.0 18.0 18.0 18.0 19.5 20.5 | DEPTH @WALL "C" 8 16.5 17.4 18.2 18.9 19.4 19.7 19.9 20.0 | GURB LENGTI "D" 48(2) 17.3 15.1 13.5 12.3 11.3 10.6 10.0 9.6 | N/A 43.5 45.7 47.6 51.1 53.0 55.0 | A+B+G N/A 47.3 49.3 51.6 52.6 53.9 55.4 57.2 58.6 | C+B+C N/A 51.0 52.8 55.7 56.7 57.9 59.3 60.5 |
| 0 30 35 40 45 50 55 60 65 | STALL DEPTH "A" 8.0 12.8 13.9 14.9 15.8 16.6 17.2 17.8 18.1 18.4 | AISLE WIDTH "B" 10.0 10.0 10.5 12.0 13.5 15.0 16.0 19.5 | DEPTH @WALL "C" 8.0 16.5 17.4 18.9 19.4 19.7 19.9 20.0 19.9 | CURB LENGTI "D" 48(2) 17.3 15.1 13.5 12.3 11.3 10.6 10.0 9.6 9.2 | N/A 35.5 37.7 40.3 43.6 46.6 49.5 52.0 54.3 56.3 | A+B+C N/A 39.3 41.3 43.6 46.6 49.4 51.9 54.2 56.1 57.8 | C+B+C N/A 43.0 44.8 46.9 49.7 52.2 54.4 56.3 58.0 59.3 | + STALL DEPTH "A" 12.8 13.9 14.9 15.8 16.6 17.2 17.2 18.1 | AISLE WIDTH "B" 18.0 18.0 18.0 18.0 18.0 18.0 20.5 20.5 | DEPTH @WALL "C" 8 16.5 17.4 18.2 18.9 19.4 19.7 19.9 20.0 19.9 | GURB LENGTI "D" 48(2) 17.3 15.1 13.5 12.3 11.3 10.6 9.6 9.2 | N/A 43.5 45.7 47.8 49.6 51.1 53.0 55.0 56.8 58.3 | A+B+C N/A 47.3 49.3 51.1 52.6 53.9 55.4 57.2 58.6 59.8 | C+B+C N/A 51.0 52.8 54.4 55.7 56.7 57.9 59.3 60.5 |
| 0 30 35 40 45 50 55 60 65 70 | STALL DEPTH "A" 8.0 12.8 13.9 14.9 15.8 16.6 17.2 17.8 18.1 18.4 18.5 | AISLE WIDTH "B" 10.0 10.0 10.5 12.0 13.5 15.0 16.5 18.0 19.5 21.0 | DEPTH @WALL "C" 8.0 16.5 17.4 18.2 18.9 19.4 19.7 19.9 20.0 19.9 19.6 | CURB LENGTI "D" 48(2) 17.3 15.1 13.5 12.3 11.3 10.6 10.0 9.6 9.2 9.0 | N/A 35.5 37.7 40.3 43.6 46.6 49.5 52.0 54.3 56.3 | A+B+C N/A 39.3 41.3 43.6 46.6 49.4 51.9 54.2 56.1 57.8 59.1 | C+B+C N/A 43.0 44.8 46.9 49.7 52.2 54.4 56.3 58.0 59.3 60.3 | + STALL DEPTH "A" 12.8 12.8 13.9 14.9 15.8 16.6 17.2 17.8 18.1 | AISLE WIDTH "B" 18.0 18.0 18.0 18.0 18.5 19.5 20.5 21.5 22.5 | DEPTH @WALL "C" 8 8 16.5 17.4 18.2 18.9 19.4 19.7 19.9 20.0 19.9 19.6 | GURB LENGTY "D" 48(2) 17.3 15.1 13.5 12.3 11.3 10.6 10.6 9.6 9.2 9.0 | N/A 43.5 45.7 47.8 49.6 51.1 53.0 55.0 56.8 58.3 | A+B+C N/A 47.3 49.3 51.1 52.6 53.9 55.4 57.2 58.6 60.6 | C+B+C N/A 51.0 52.8 54.4 55.7 56.7 57.9 59.3 60.5 61.3 |
| 0 30 35 40 45 50 55 60 65 70 | STALL DEPTH "A" 8.00 12.8 13.9 14.9 15.8 16.6 17.2 17.8 18.1 18.4 18.5 18.5 | AISLE WIDTH "B" 10.0 10.0 10.5 12.0 13.5 15.0 16.5 18.0 19.5 21.0 22.5 | B.Q 8.Q 16.5 17.4 18.2 18.9 19.4 19.7 19.9 20.0 19.9 19.6 | CURB LENGTI "D" 48(2) 17.3 15.1 13.5 12.3 11.3 10.6 10.0 9.6 9.2 9.0 8.8 | N/A 35.5 37.7 40.3 43.6 46.6 49.5 52.0 54.3 56.3 56.3 59.5 | N/A 39.3 41.3 43.6 46.6 49.4 51.9 54.2 56.1 57.8 59.1 60.2 | C+B+C N/A 43.0 44.8 46.9 49.7 52.2 54.4 56.3 58.0 59.3 60.3 61.0 | + STALL DEPTH | AISLE WIDTH "B" 18.0 18.0 18.0 18.0 18.0 20.5 20.5 21.5 22.5 | DEPTH @WALL "C" 8 8 16.5 17.4 18.2 18.9 19.4 19.7 19.9 20.0 19.9 19.6 19.2 | GURB LENGTI "D" 48(2) 17.3 15.1 13.5 12.3 11.3 10.6 10.0 9.6 9.2 9.0 8.8 | HA+B+A N/A 43.5 45.7 47.8 49.6 51.1 53.0 55.0 56.8 58.3 59.5 | A+B+C N/A 47.3 51.1 52.6 53.9 55.4 57.2 58.6 60.6 61.2 | C+B+C N/A 51.0 52.8 54.4 55.7 56.7 57.9 59.3 60.5 61.8 62.0 |
| 0 30 35 40 45 50 55 60 65 70 | STALL DEPTH "A" 8.0 12.8 13.9 14.9 15.8 16.6 17.2 17.8 18.1 18.4 18.5 | AISLE WIDTH "B" 10.0 10.0 10.5 12.0 13.5 15.0 16.5 18.0 19.5 21.0 | DEPTH @WALL "C" 8.0 16.5 17.4 18.2 18.9 19.4 19.7 19.9 20.0 19.9 19.6 | 48(2) 17.3 15.1 10.6 10.0 9.6 9.2 9.0 8.7 | N/A 35.5 37.7 40.3 43.6 49.5 52.0 54.3 56.3 58.0 59.5 60.6 | N/A 39.3 41.3 43.6 46.6 49.4 51.9 54.2 56.1 57.8 59.1 60.2 61.0 | C+B+C N/A 43.0 44.8 46.9 49.7 52.2 54.4 56.3 58.0 59.3 60.3 61.0 61.4 | + STALL DEPTH "A" 12.8 13.9 14.9 15.8 16.6 17.2 17.8 18.1 18.1 18.5 18.5 18.3 | AISLE WIDTH "B" 18.0 18.0 18.0 18.0 18.5 19.5 20.5 21.5 22.5 | DEPTH @WALL "C" 8 8 16.5 17.4 18.2 18.9 19.4 19.7 19.9 20.0 19.9 19.6 | GURB LENGTY "D" 48(2) 17.3 15.1 13.5 12.3 11.3 10.6 10.6 9.6 9.2 9.0 | N/A 43.5 45.7 47.8 49.6 51.1 53.0 55.0 56.8 58.3 | A+B+C N/A 47.3 51.1 52.6 53.9 55.4 57.2 58.6 60.6 61.2 61.5 | C+B+G N/A 51.0 52.8 54.4 55.7 56.7 57.9 59.3 60.5 61.3 62.0 61.9 |



HANDICAP

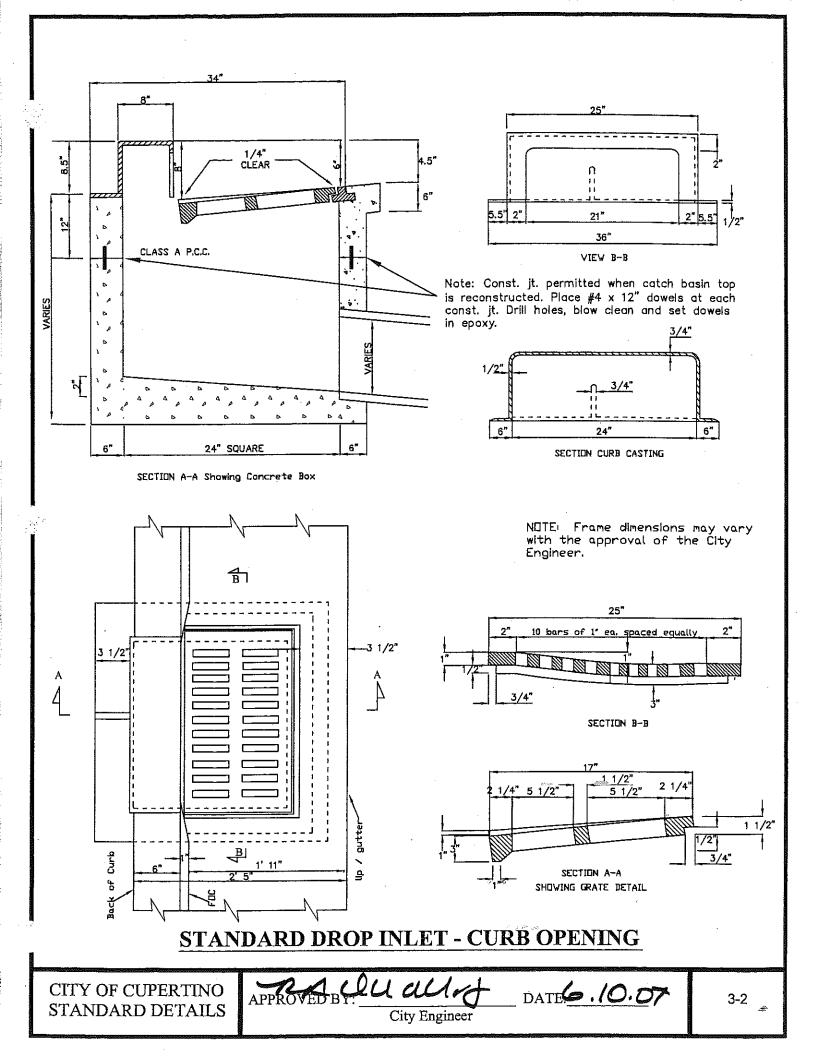
INDUSTRIAL

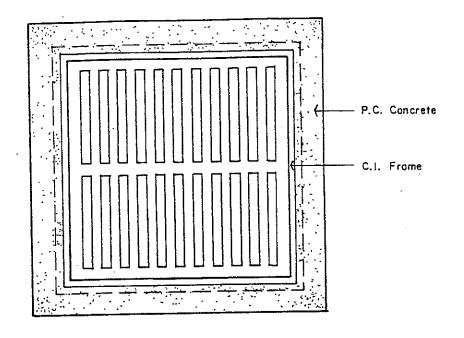
CITY OF CUPERTINO STANDARD DETAILS

APPROVED BY:

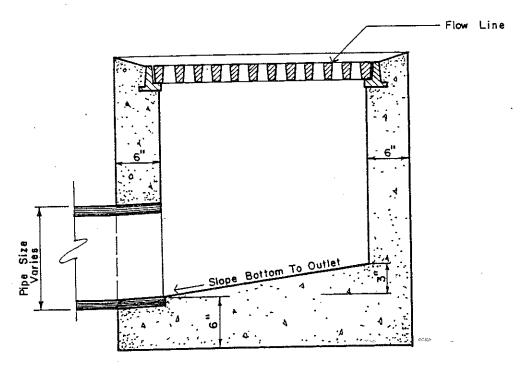
CITY ENGINEER

DATE: 8/18/89





PLAN



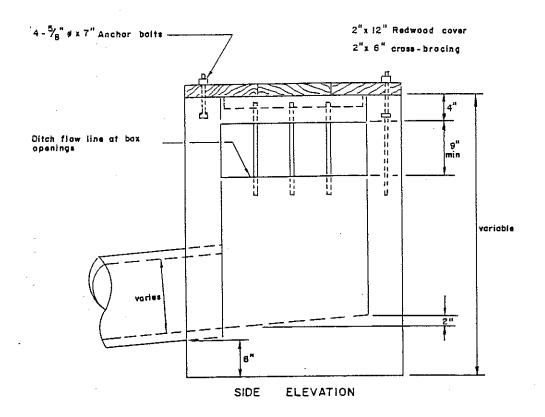
SECTION

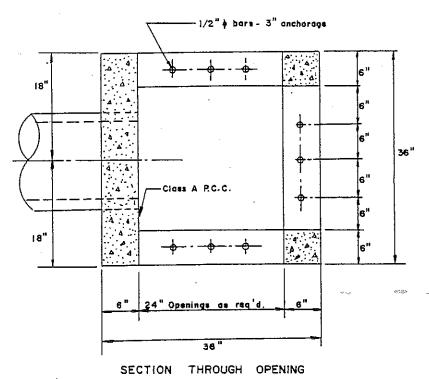
STANDARD 24" FLAT GRATE DROP INLET

CITY OF CUPERTINO STANDARD DETAILS

APPROVED BY:

CITY ENGINEER DATE: 2/10/89



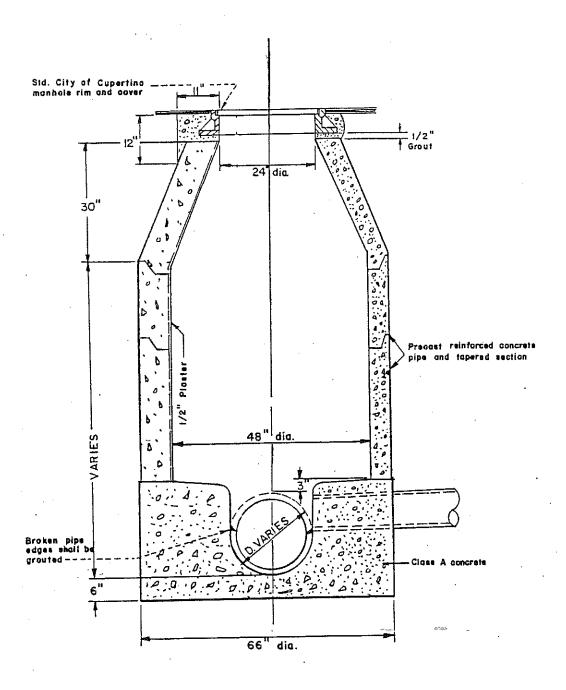


FIELD INLET - SIDE OPENING

STANDARD DETAILS APPROVED BY : CITY ENGINEER 2/10/69 3-8

CONCENTRIC MANHOLE

8" to 33" PIPE



NOTES:

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

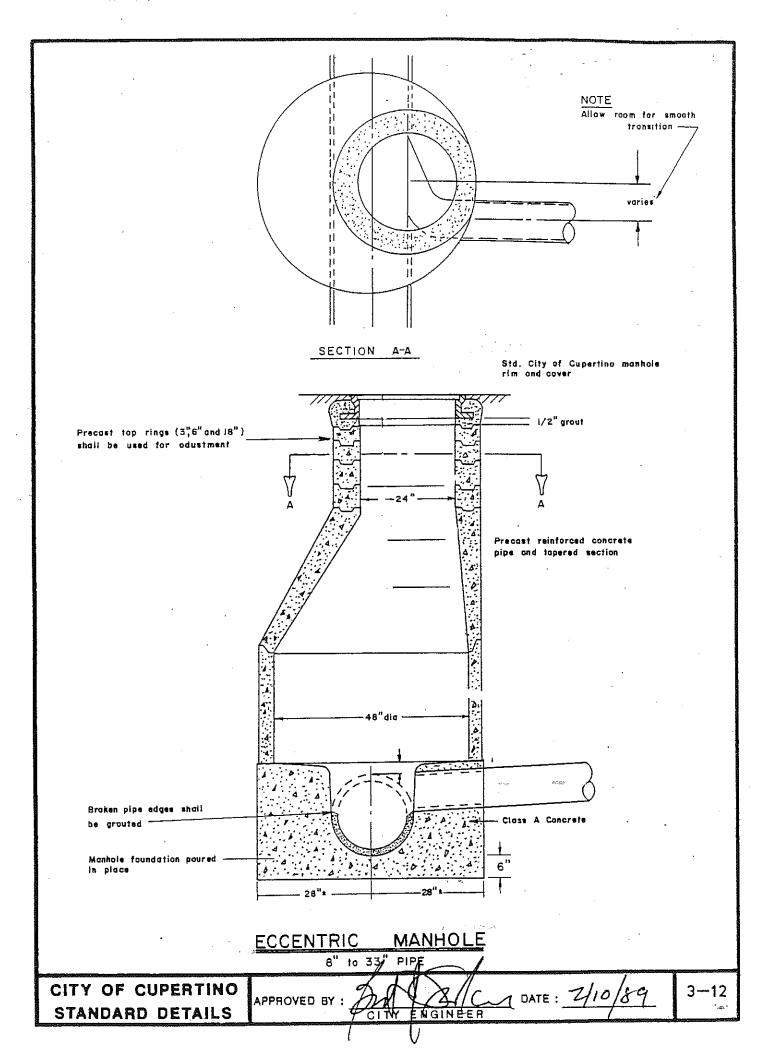
Monhole foundation poured in place.

CITY OF CUPERTINO STANDARD DETAILS

APPROVED BY :

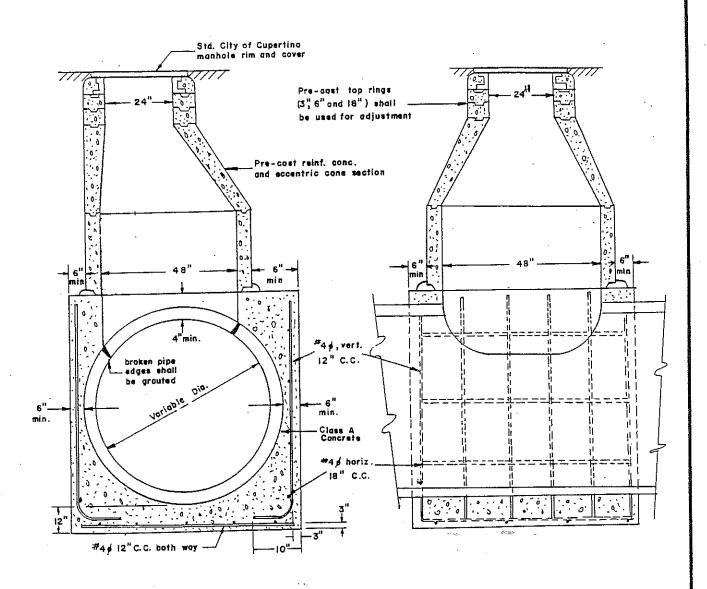


2/10/89



ECCENTRIC MANHOLE

36"- 48" DIA. PIPE



END ELEVATION

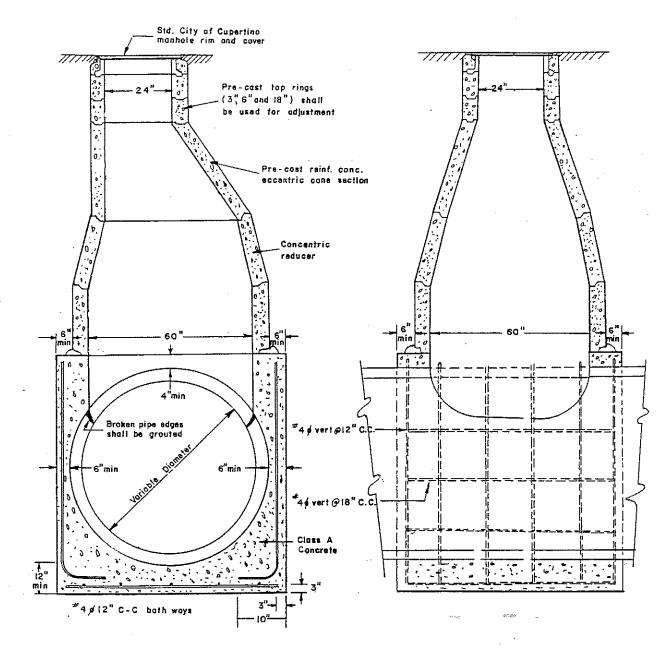
SIDE ELEVATION

CITY OF CUPERTINO STANDARD DETAILS

APPROVED BY:

CITY ENGINEER

1 DATE: 2/10/89



END VIEW

SIDE VIEW

ECCENTRIC MANHOLE

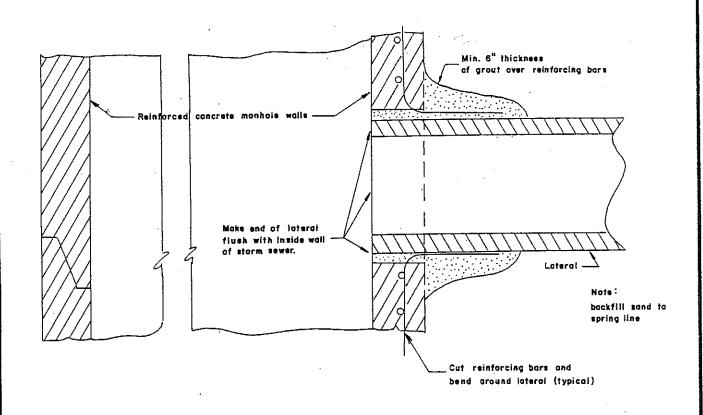
51" PIPE OR LARGER

CITY OF CUPERTINO STANDARD DETAILS

APPROVED BY :



2/10/89



STANDARD CONNECTION TO MANHOLE WALL

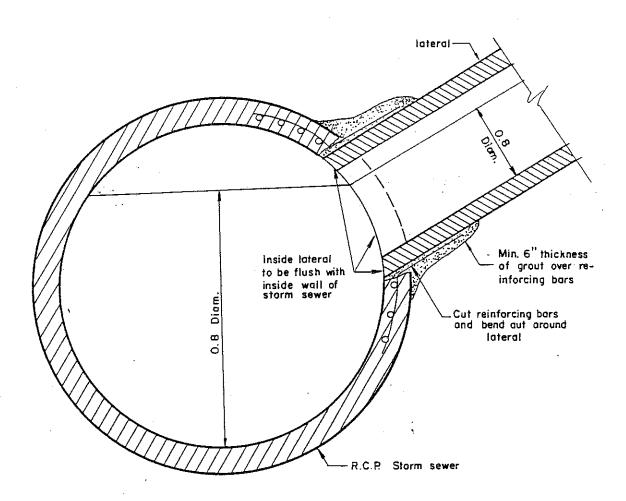
CITY OF CUPERTINO STANDARD DETAILS

APPROVED BY :

CITY ENGINEER

DATE : 2/10/89

Nate: 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.

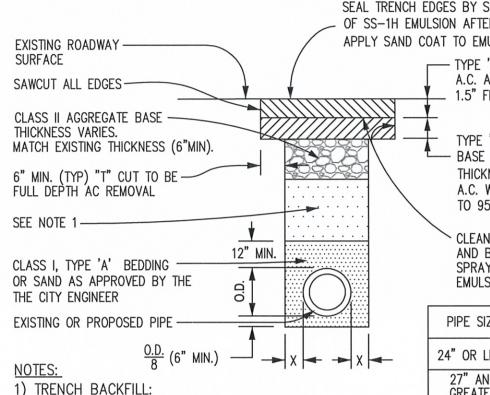
STANDARD CONNECTION TO REINFORCED CONCRETE
PIPE - 48" R.C.P. and LARGER

CITY OF CUPERTINO STANDARD DETAILS

APPROVED BY

AL ENGINEER

DATE : 2/10/84



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.

SEAL TRENCH EDGES BY SPRAY APPLICATION OF SS—1H EMULSION AFTER FINISH ROLLING. APPLY SAND COAT TO EMULSION AFTER PLACEMENT.

TYPE 'A' - 1/2" MEDIUM CLASS A.C. AT 95% COMPACTION. 1.5" FINAL TOP LIFT THICKNESS

TYPE 'A' - 3/4" MEDIUM CLASS BASE COURSE. MATCH EXISTING AC THICKNESS (1.5" MIN, SEE NOTE 3). A.C. WHEEL ROLLED AND TAMPED TO 95% COMPACTION.

CLEAN & TACK SIDES OF EXCAVATION AND BETWEEN COURSES.
SPRAY AN APPLICATION OF SS-1H EMULSION BEFORE PLACING A.C.

| PIPE SIZE | LIMITS | S OF X |
|--------------------|---------|-----------------------|
| TIL SIZE | MINIMUM | MAXIMUM |
| 24" OR LESS | 4" | $4" + \frac{0.D.}{4}$ |
| 27" AND GREATER | 6" | $6" + \frac{0.D.}{4}$ |

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

EXISTING STREET TRENCH RESTORATION

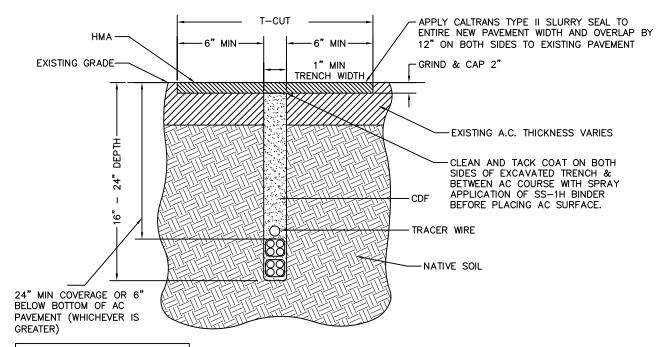
TO BE USED FOR ALL PUBLIC STORM DRAIN PIPE

REV 2/6/17

CITY OF CUPERTINO STANDARD DETAILS APPROVED BY: _

CITY ENGINEER

DATE: 2/13/17



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 MICROTRENHC 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.

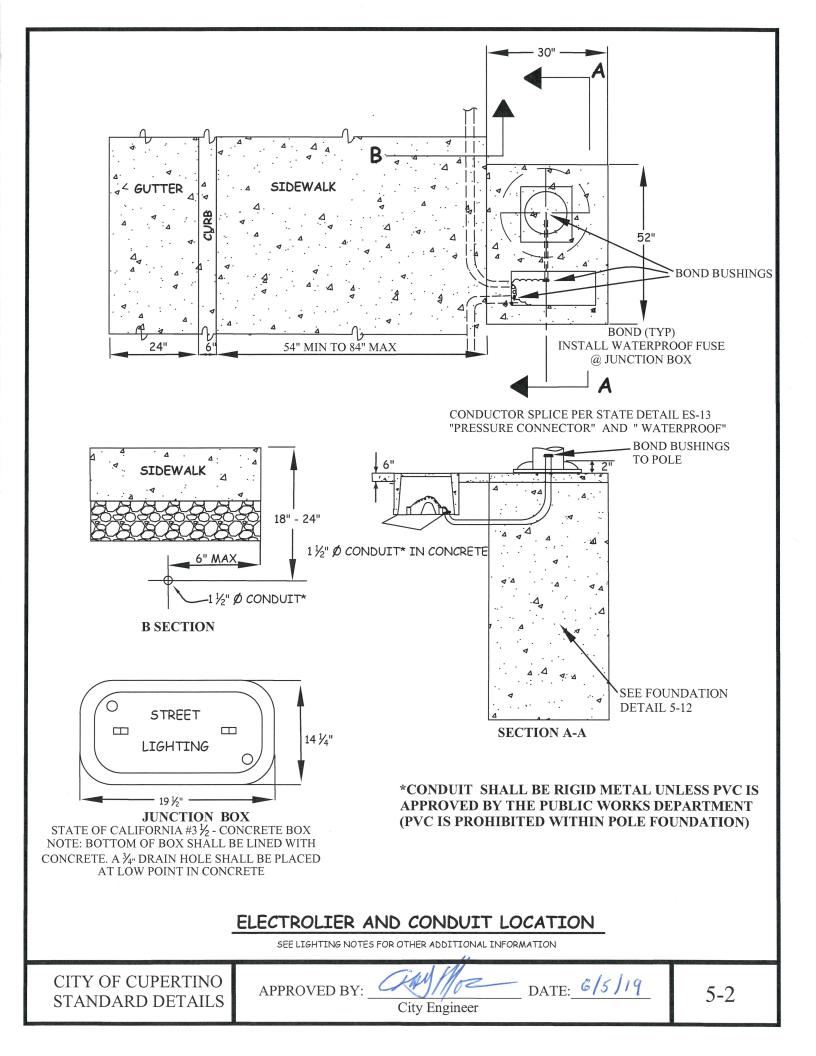
VAULTS AND SERVICE CONNECTORS

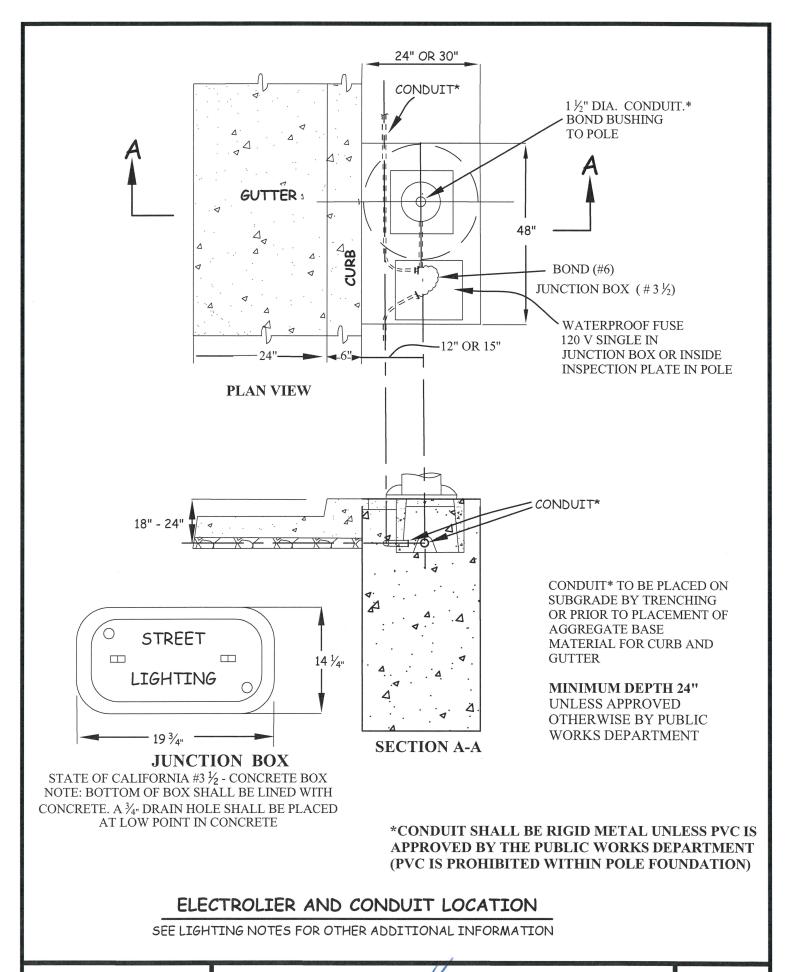
1. CONNECTION TO SERVICE LATERALS, JUNCTION BOXES, ETC., SHALL BE DONE SUCH THAT THE CURB AND GUTTER IS NOT DISTURBED, SETTLED, OR DAMAGED. REMOVAL LIMITS OF SIDEWALK SHALL FOLLOW APPLICABLE STANDARD AND REQUIREMENTS AS APPROVED BY THE CITY ENGINEER.

MICROTRENCHING - DETAIL AND SPECIFICATIONS

CITY OF CUPERTINO STANDARD DETAILS

APPROVED BY: City/Engineer DATE: 11/29/2022



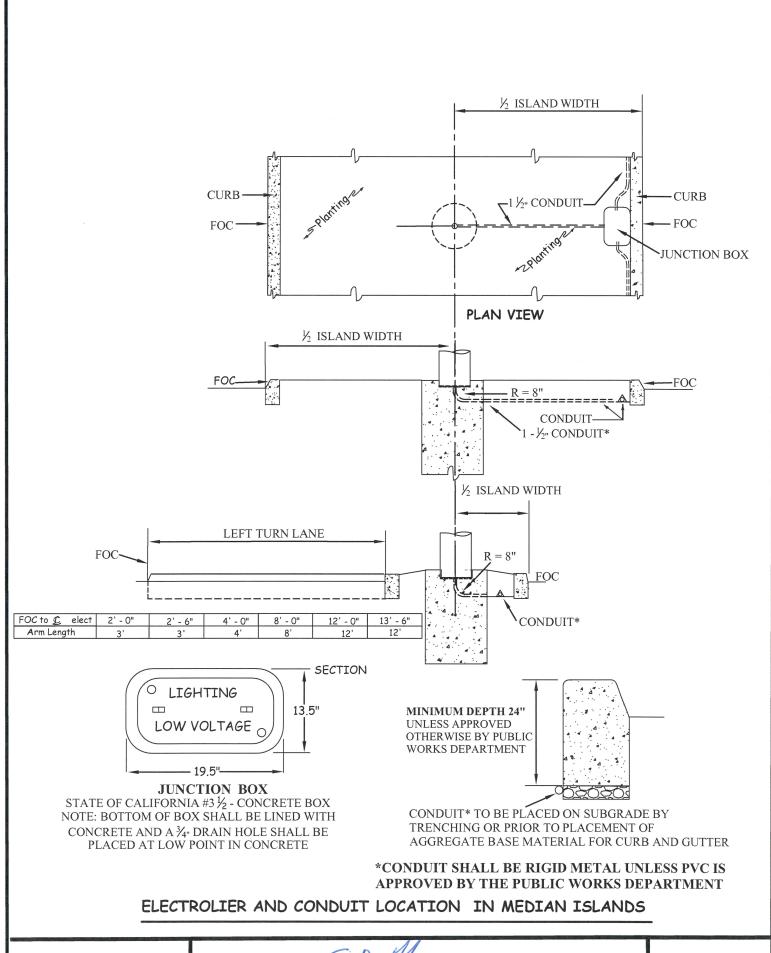


CITY OF CUPERTINO STANDARD DETAILS

APPROVED BY:

City Engineer

DATE: 6/5/19

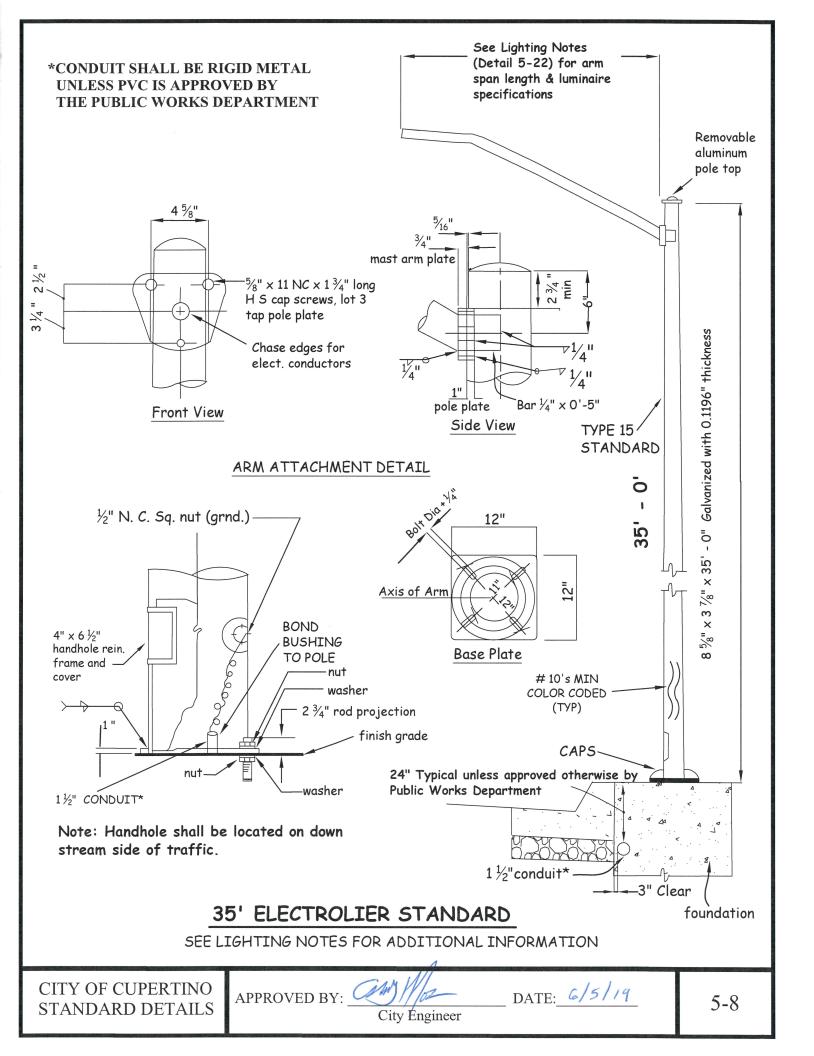


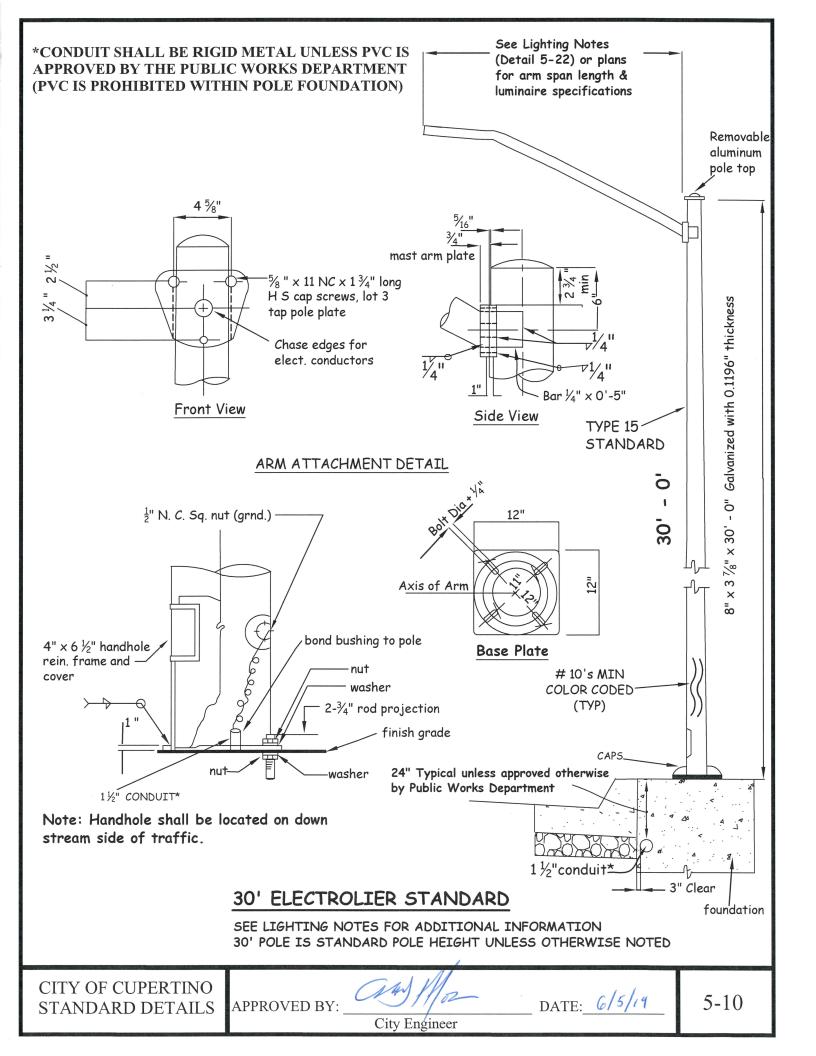
CITY OF CUPERTINO STANDARD DETAILS

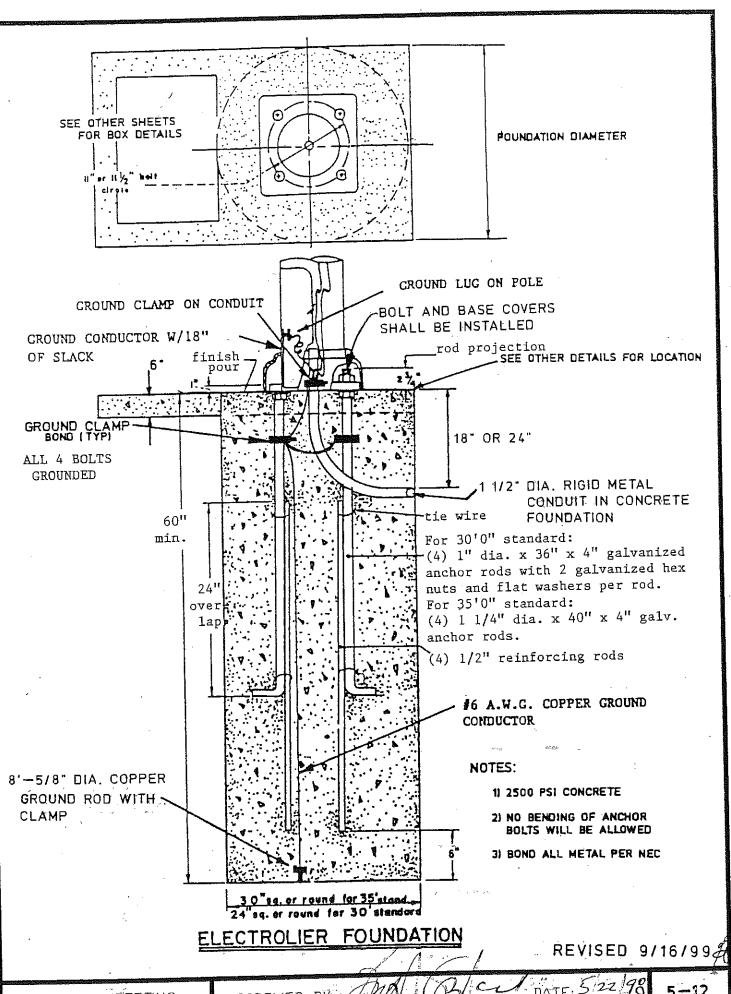
APPROVED BY:

City Engineer

DATE: 6/5/19

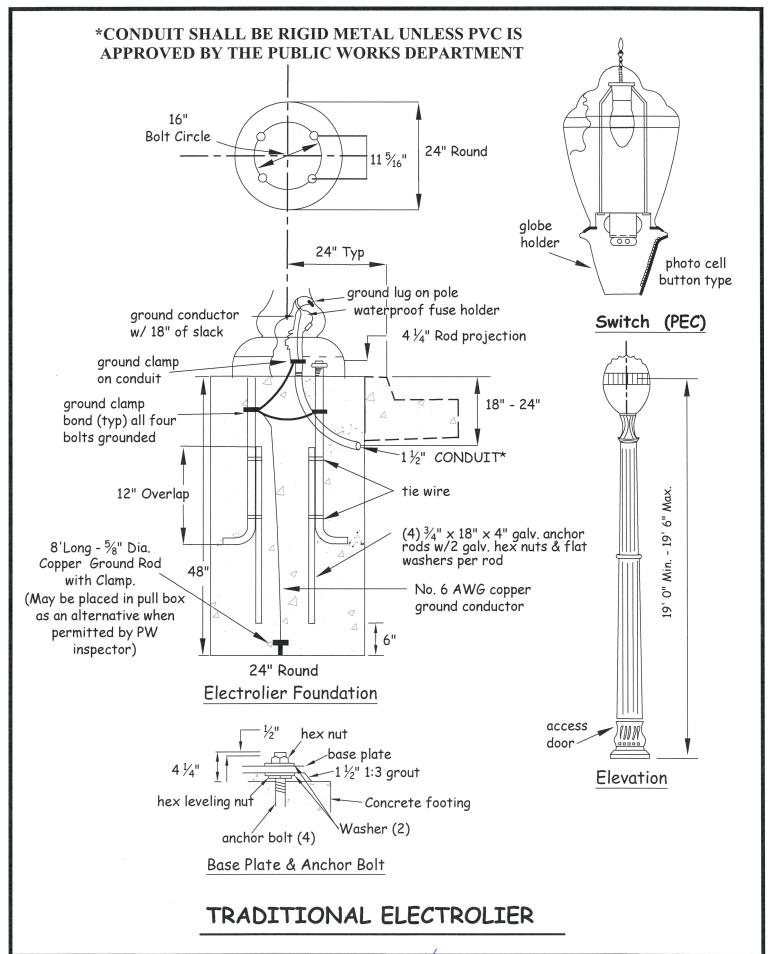






CITY OF CUPERTINO STANDARD DETAILS

APPROVED BY



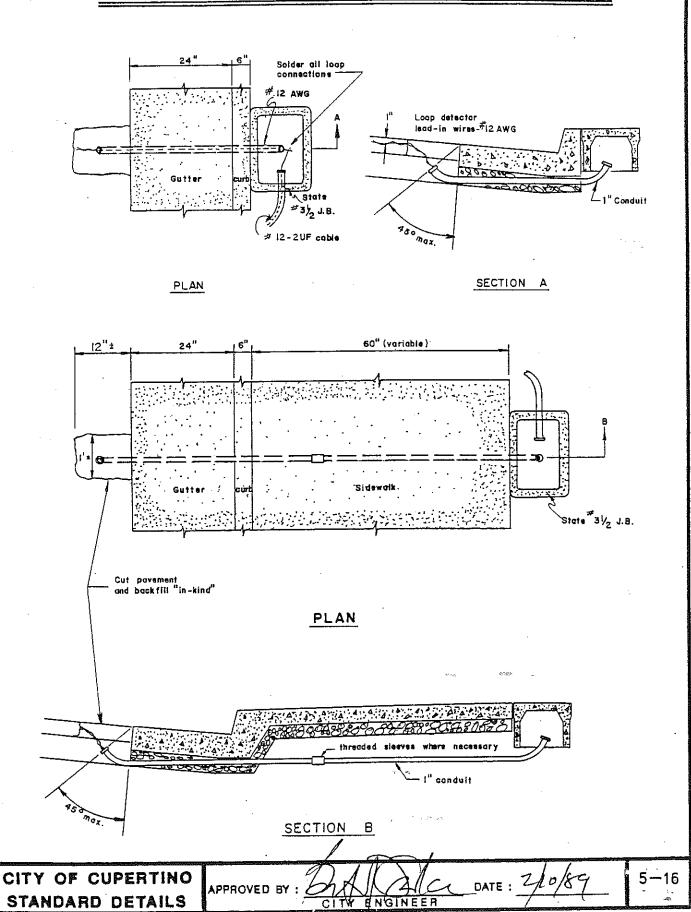
CITY OF CUPERTINO STANDARD DETAILS

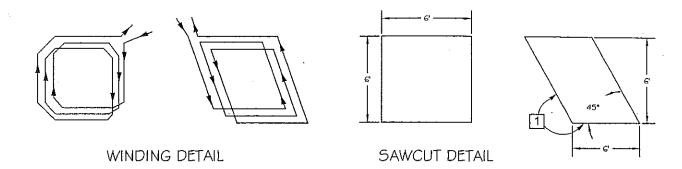
APPROVED BY:

City Engineer

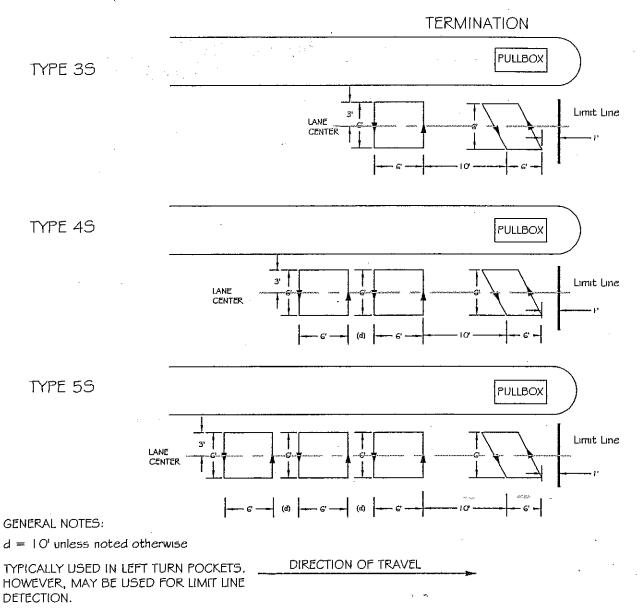
DATE: 6/5/19

CONDUIT DETAIL LOOP DETECTOR LEAD-IN WIRES





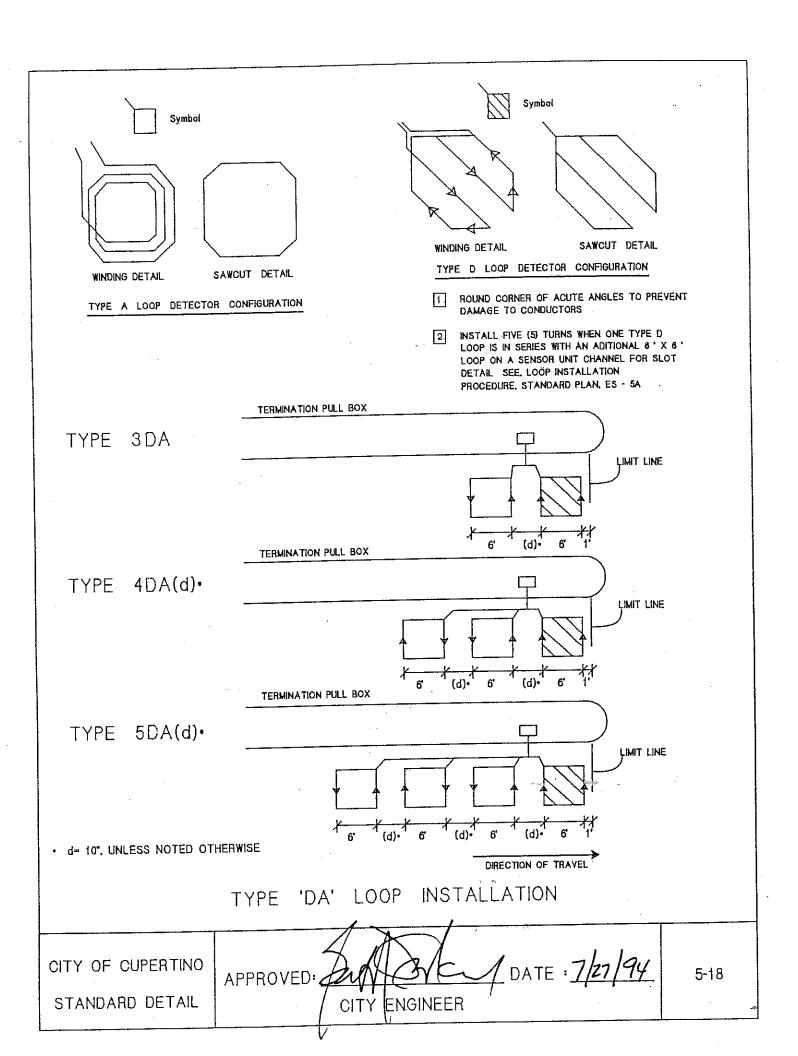
ROUND CORNERS OF ACUTE ANGLES TO PREVENT DAMAGE TO CONDUCTORS.

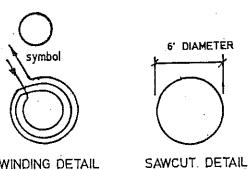


TYPE 'S A' LOOP INSTALLATION

CITY OF CUPERTINO STANDARD DETAILS



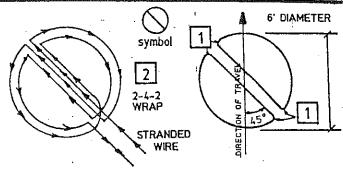




WINDING DETAIL SAWCU

CIRCULAR LOOP DETECTOR

CONFIGURATION

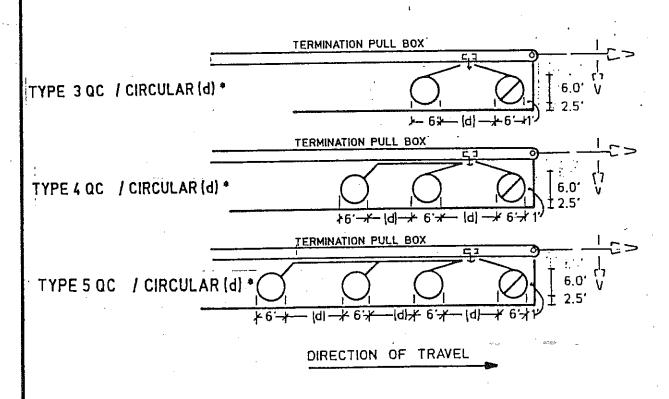


WINDING DETAIL

SAWCUT DETAIL

QC LOOP DETECTOR
CONFIGURATION

- ROUND CORNERS OF ACUTE ANGLES TO PREVENT DAMAGE TO CONDUCTORS
- 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 QC / CIRCULAR LOOP INSTALLATION

*d = 10' Unless noted otherwise

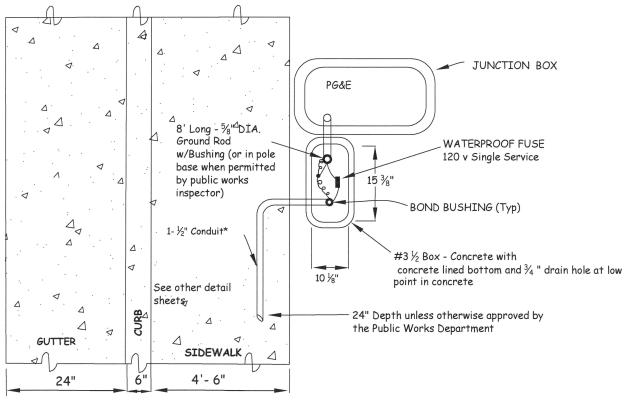
STANDARD DETAILS

APPROVED BY :

CITY ENGINEER

DATE: 5/1/92

*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' $\frac{5}{8}$ " 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 STANDARD DETAILS

APPROVED BY:

City Engineer

DATE: 6/5/19

 $\frac{6/5/19}{5-20}$

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.

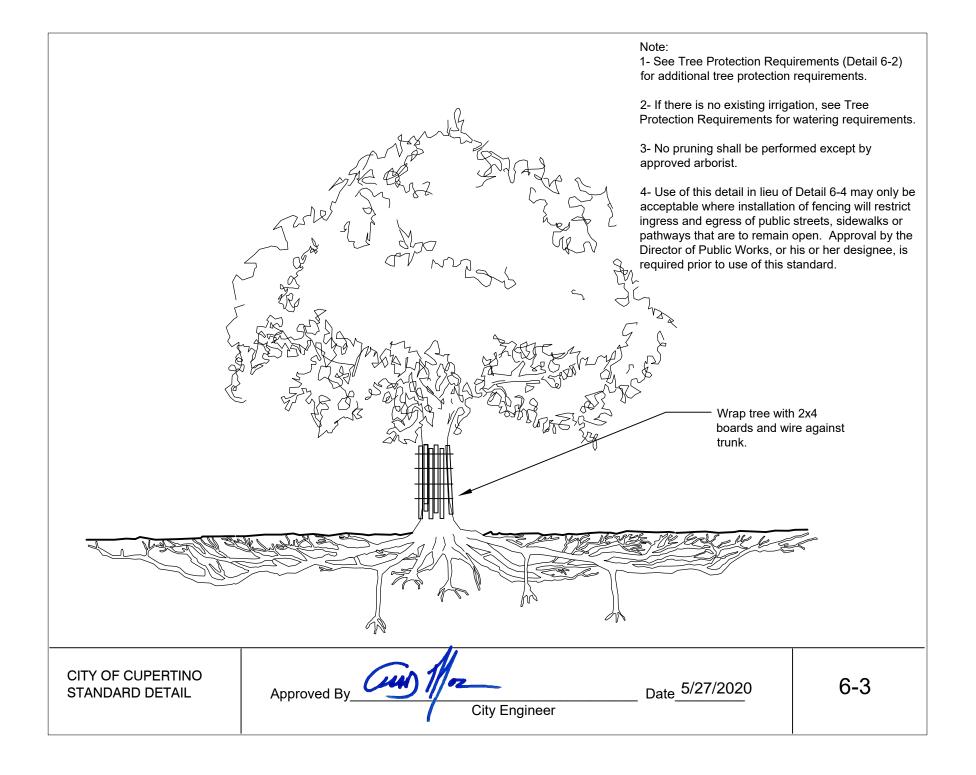
| APPROVED BY: | CITY ENGINEER | DATE: 6/5/19 | 5-22 |
|--------------|-----------------|--------------|------|
| | CITT LIVORVLLIC | | |

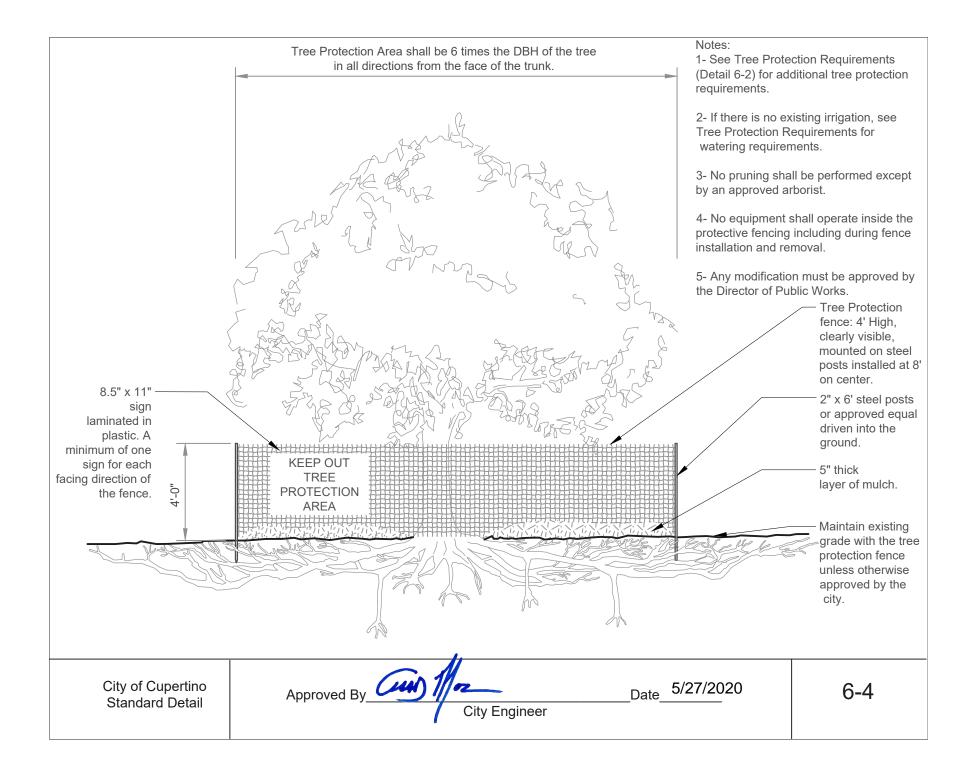
CITY OF CUPERTINO STANDARD DETAILS

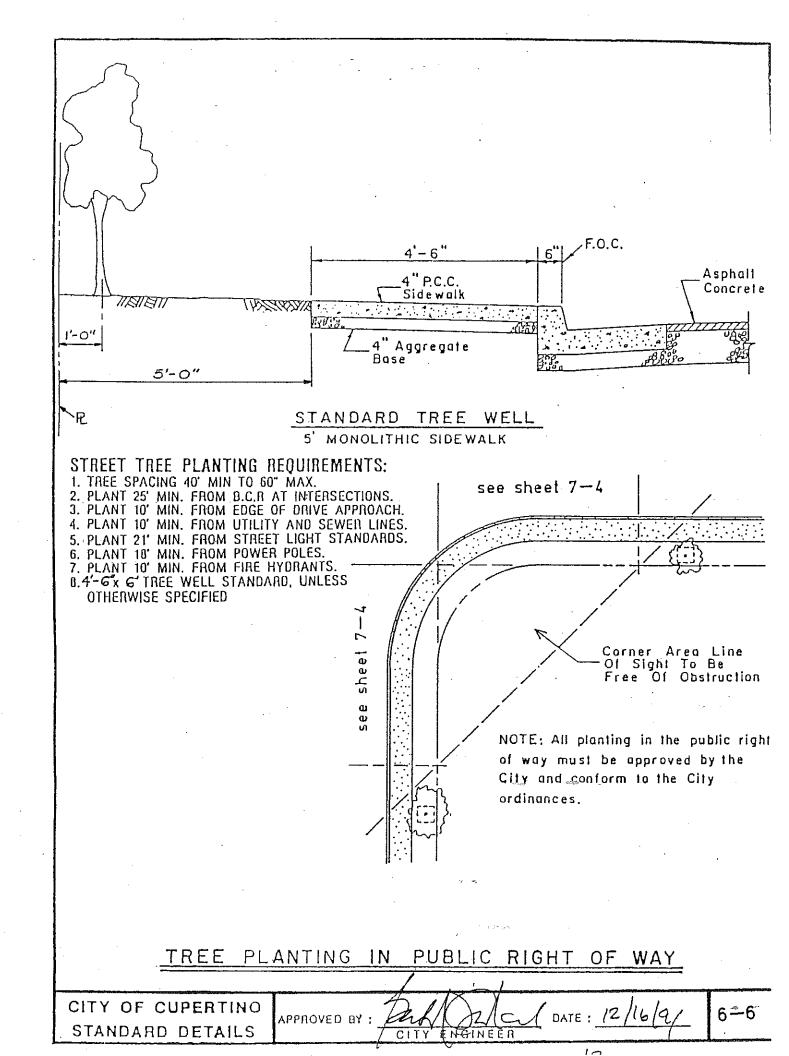
CITY OF CUPERTINO TREE PROTECTION REQUIREMENTS:

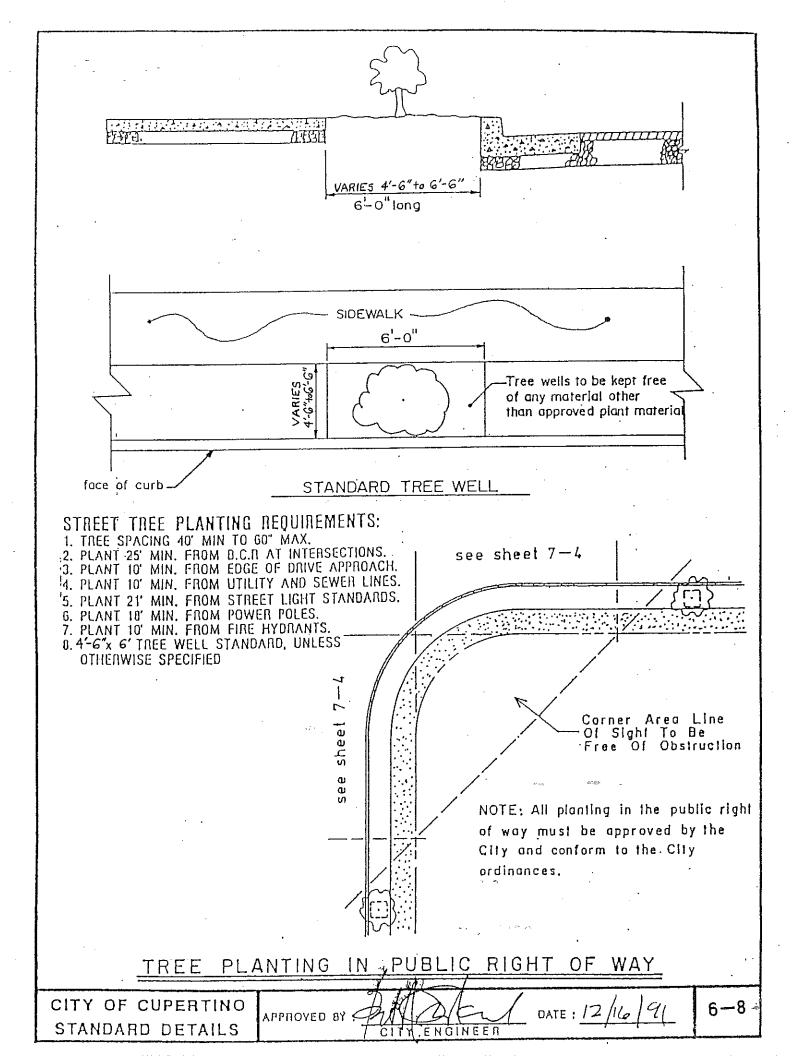
- 1. Prior to any construction operations contractor shall construct and maintain, for each protected tree on a construction site, protective fencing which encircles the outer limits of the Tree Protection Zone (TPZ). The TPZ is calculated to be a radius of 6 times the diameter of the tree's trunk measured 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.
- 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.

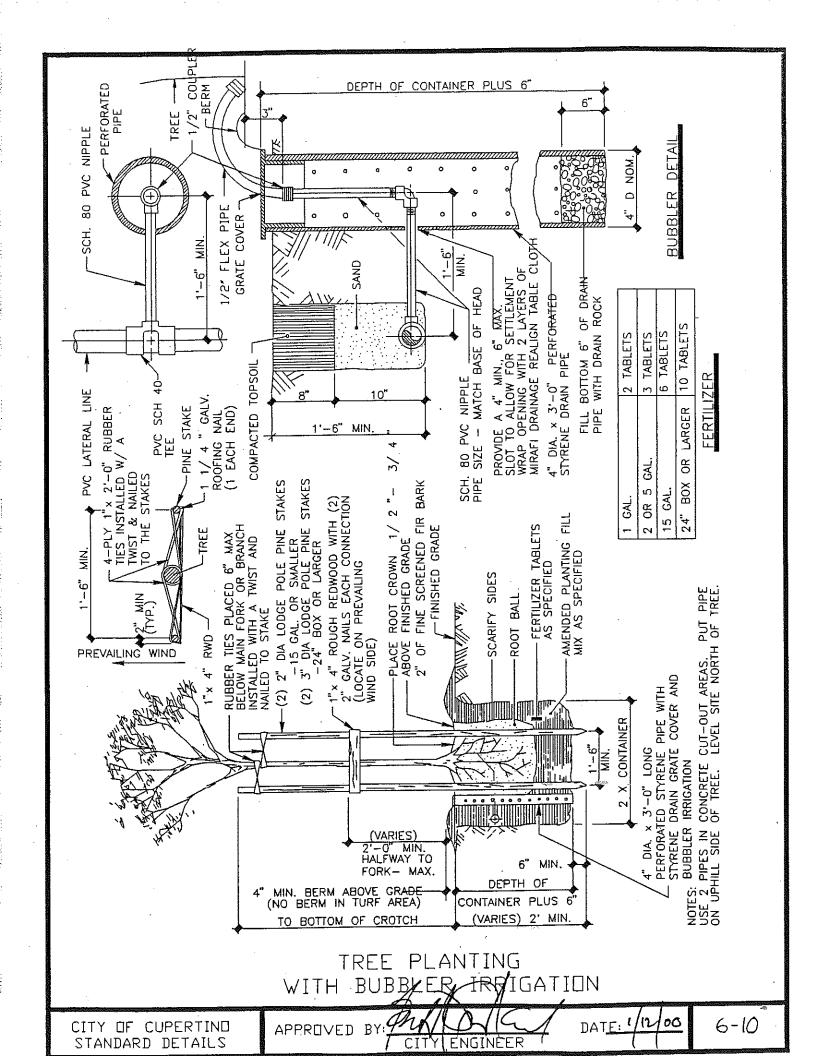
APPROVED BY: DATE: 5/27/2020



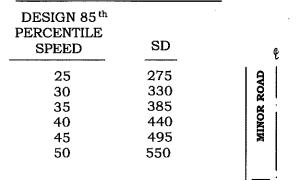






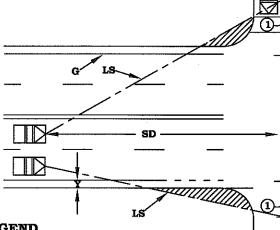






SET BACK FROM EDGE OF TRAVEL WAY

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



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.

MAJOR ROAD

LEGEND

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

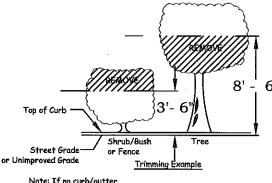
LS = Line of sight

SD = Sight distance

G = Edge of travelway

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 measuement is 3' from existing grade.

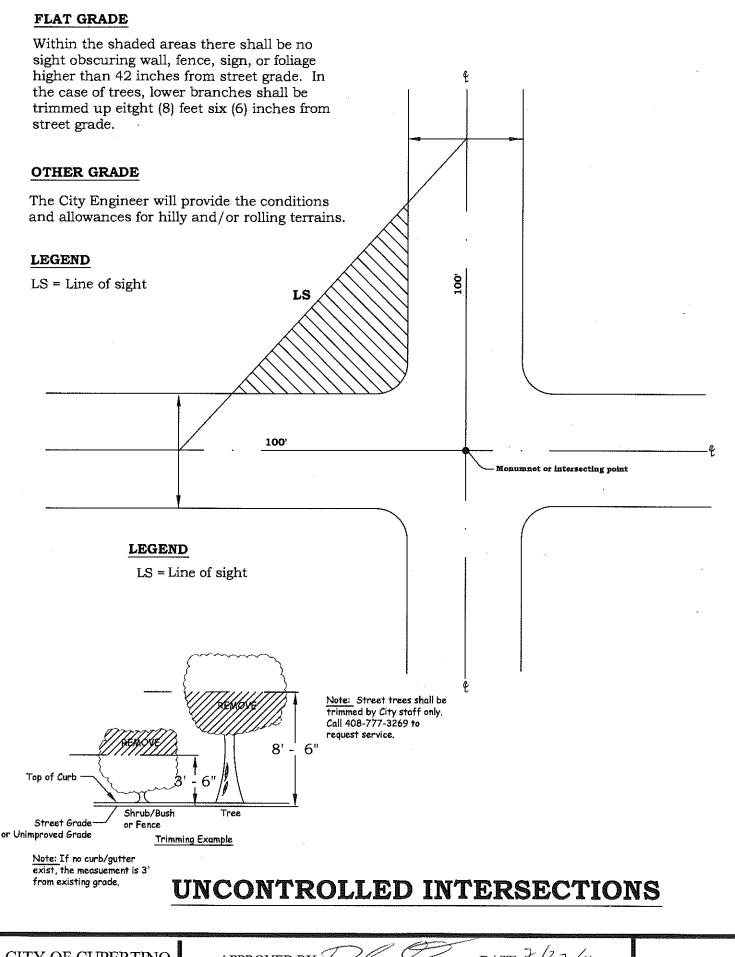
CONTROLLED INTERSECTIONS

CITY OF CUPERTINO STANDARD DETAILS

APPROVED BY:

City Engineer

DATE: 7/24/4

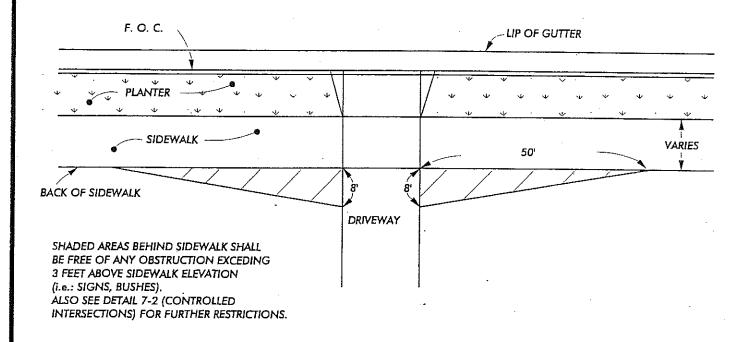


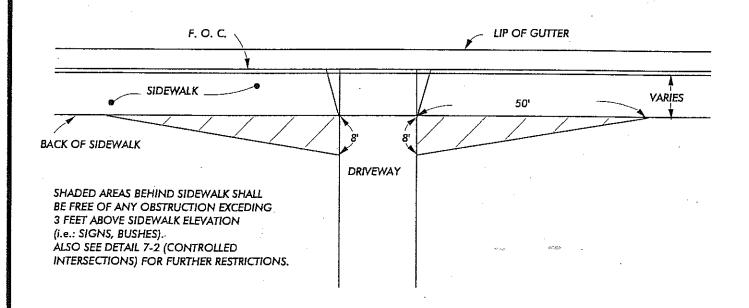
CITY OF CUPERTINO STANDARD DETAILS

APPROVED BY: 7

City Engineer DA

DATE: 7/27/11





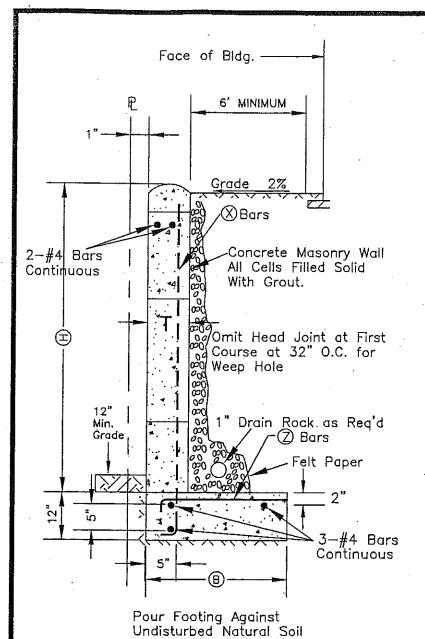
SIDEWALK CLEARANCE AT DRIVEWAYS

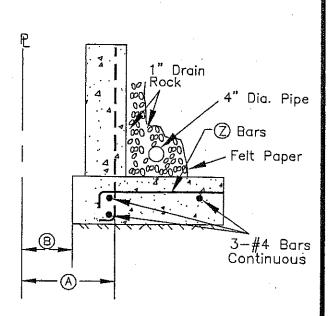
CITY OF CUPERTINO STANDARD DETAILS

APPROVED BY:

DATE:

2/13/95





NOTE: Drains are required on ALL walls.

| | Α | В |
|----------------------|-----|-----|
| PUBLIC R/W | 3 | 1.5 |
| ADJACENT PROPERTY | 1.5 | 0.5 |

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

| (H) | 1 | ⅎ | ⊗ | | | Ø | |
|------------|----|--------|-------|-----|----|----|-----|
| 3'max. | 6" | 1'-10" | #4 at | 18" | #4 | at | 48" |

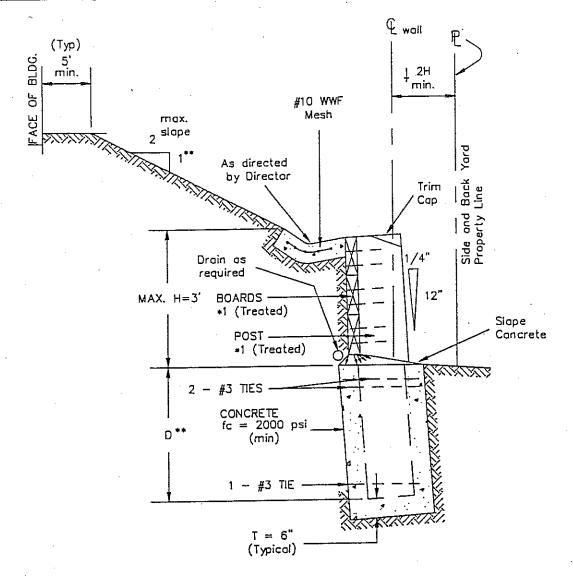
1. Contact Public Works Deportment for Permit Requirements. Plans indicating Top of Wall (T.W.) Elevation, Existing and Finished Grades are required on all Retaining Wall Permits. SPECIFICATIONS: GRADE "N" MASONRY UNITS TYPE = "M" or "S" GROUT GRADE = 40 STEEL E.F.P. $= 30 \text{ } \#/\text{FT}^3$ LATERAL SIDING = .35

CONCRETE BLOCK RETAINING WALLS

REVISED 7/5/00

CITY OF CUPERTINO STANDARD DETAILS

APPROVED BY:



CROSS SECTION

| Н | D** | POSTS | MAX. | BOARDS | |
|-----|-----|---------|---------|----------|--|
| FŤ. | FT | SIZE | SPACING | SIZE | |
| 3 | 3 | 8" x 8" | 6' | 2' x 12" | |
| 2 - | 2 | 6" × 6" | 6' | 2' x 12" | |
| 1 | i | 6 "x 6" | 6' | 2' x 12" | |

NOTES:

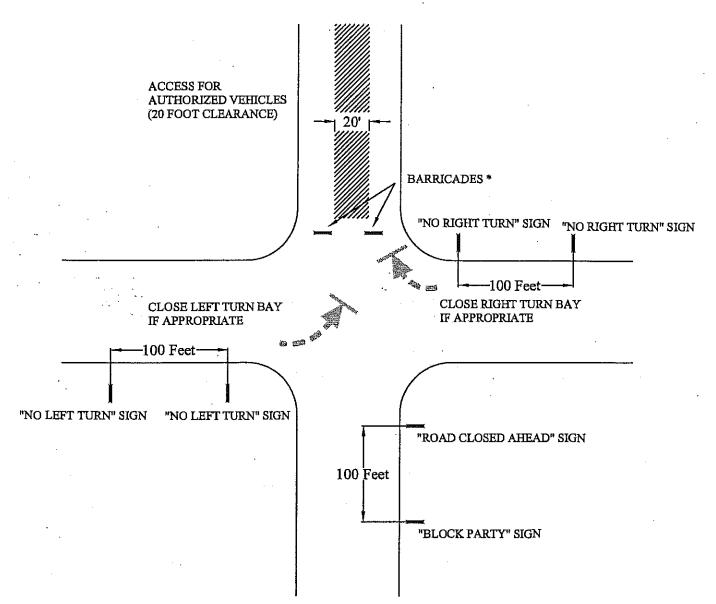
- *1. PRESERVATIVE TREATMENT (CREOSOTE OF EQUAL) IN ACCORDANCE WITH SECTION 58, STANDARD SPECIFICATIONS (STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, CURRENT EDITION).
- **2. IF CERTIFIED BY SOILS ENGINEER.
- \$\frac{1}{2}\$. BLOCK WALL IS REQUIRED IF WALL IS WITHIN 2 x H FROM PROPERTY LINE (P).

TIMBER RETAINING WALL

APPROVED BY:

At Michiel 10

ATE: <u>\$30/95</u>



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

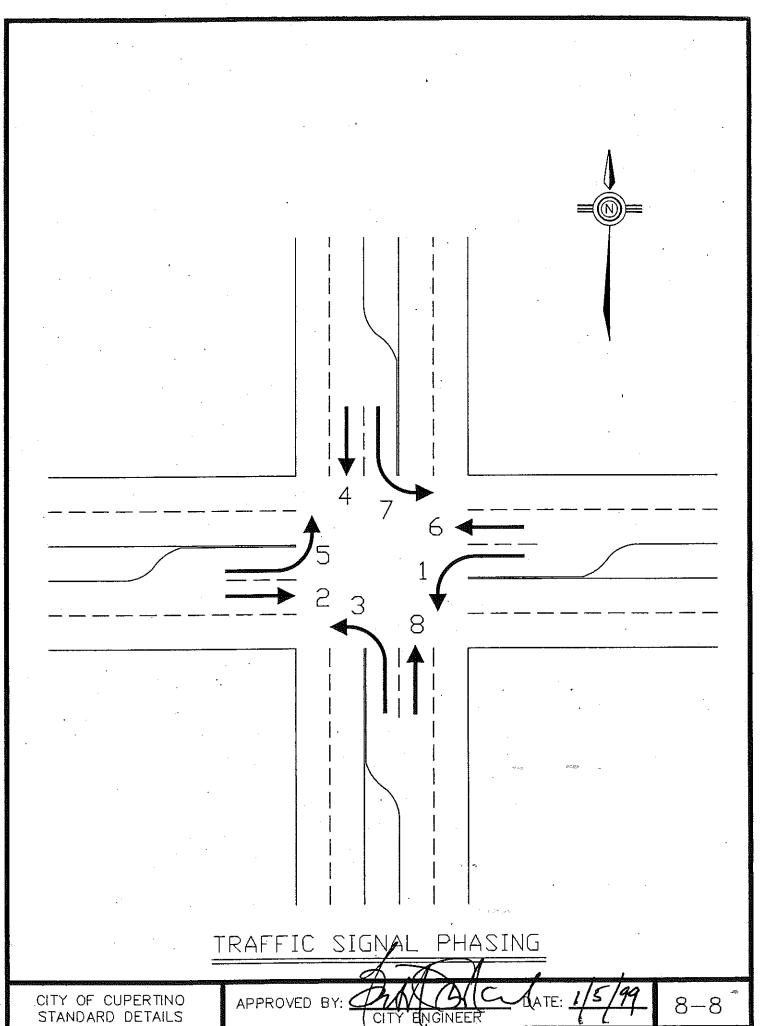
NOTES:

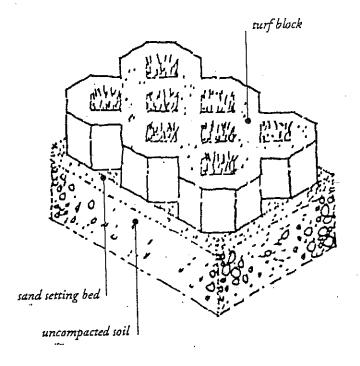
- 1. CITY SHALL FURNISH ALL BARRICADES AND SIGNS.
- 2. BLOCK PARTY PERMITTEE SHALL MAINTAIN A 20 FOOT CLEARANCE PATH IN THE TRAVEL WAY AT ALL TIMES.

LEGEND:

BARRICADE W/SIGN

TYPICAL CLOSING OF BLOCK





NOTES:

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

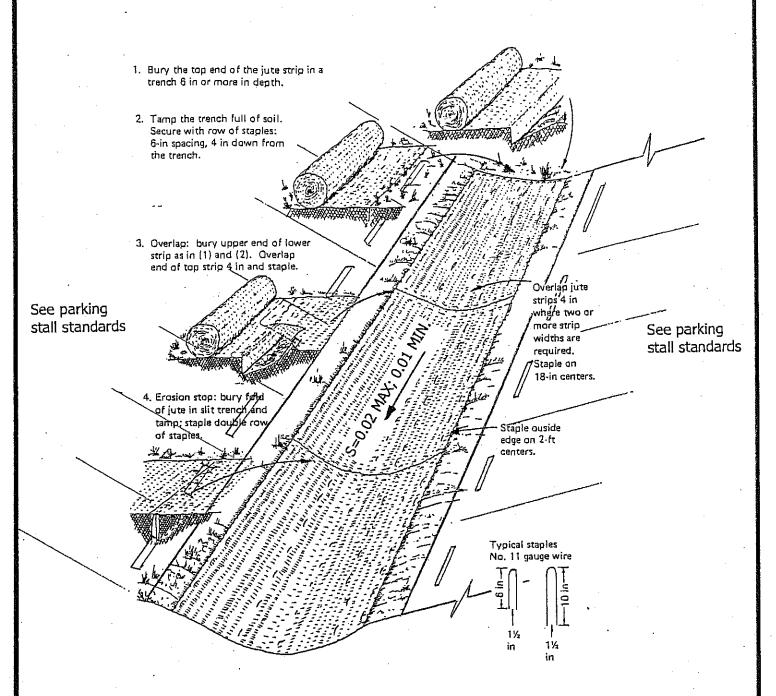
TURF BLOCK

CITY OF CUPERTINO STANDARD DETAILS

APPROVED BY:

DAY COL C

DATE: (DE)(DIT)



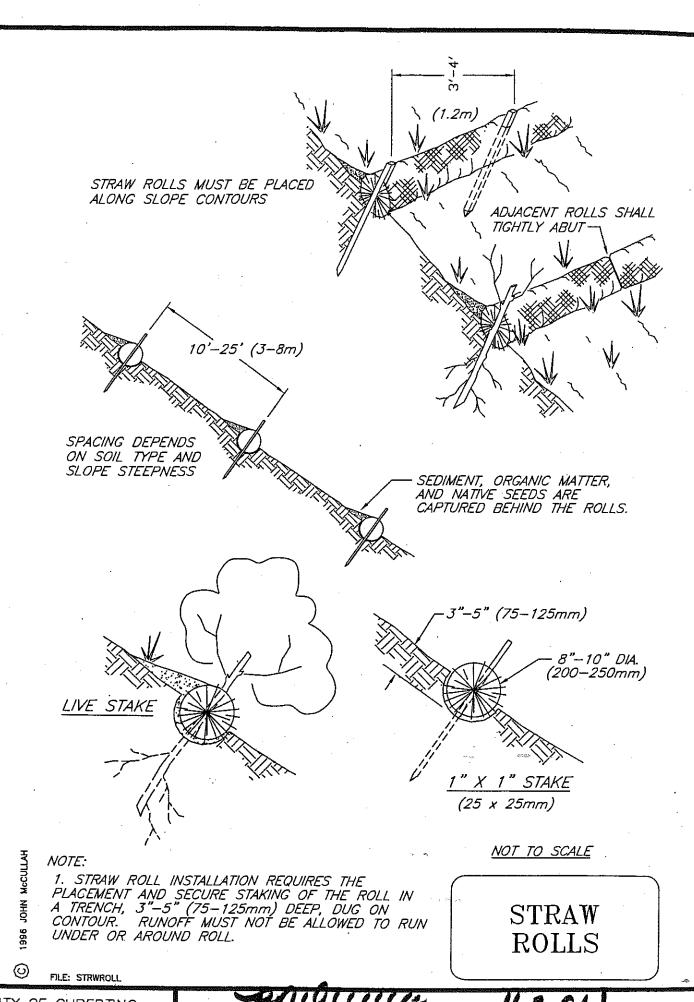
Tree planting is required at 25' o.c.

- 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

APPROVED BY:

DATE: 8/23/2002)



CITY OF CUPERTINO STANDARD DETAILS

APPROVED ST. CITY ENG

DATE 2.01