

# **City of Watsonville**

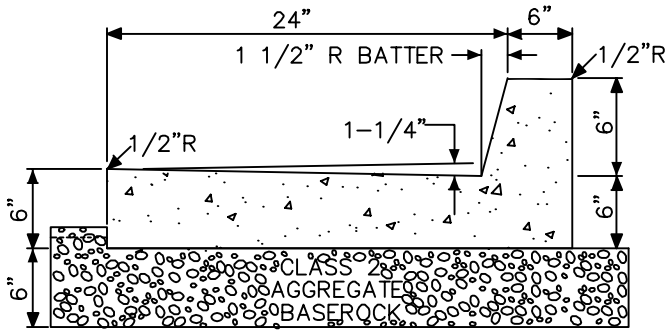
## **PUBLIC IMPROVEMENT STANDARDS**



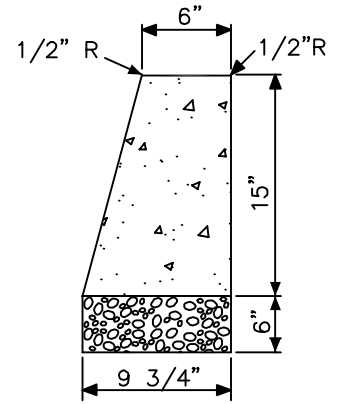
CITY OF  
WATSONVILLE

CITY OF WATSONVILLE PUBLIC WORKS & UTILITIES DEPARTMENT

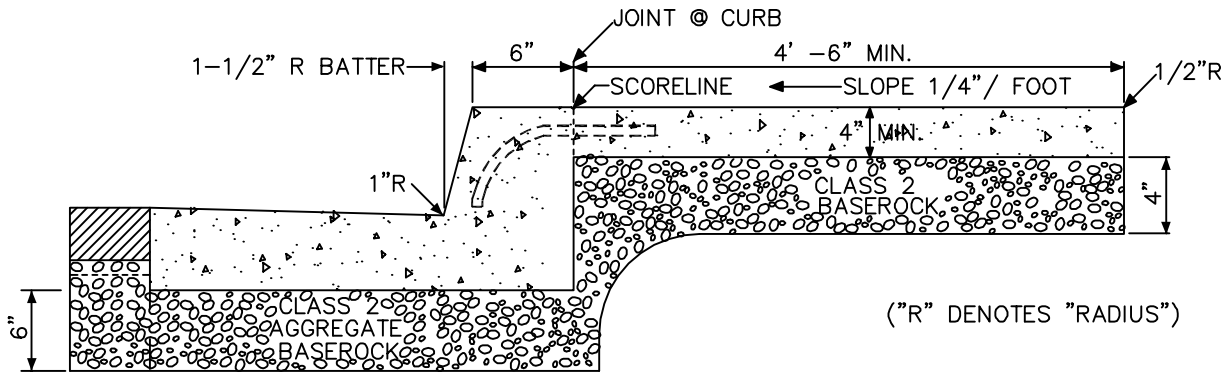
MAY 28, 2013  
RESOLUTION 76-13 (CM)



GUTTER AND CURB



CLASS B CURB



("R" DENOTES "RADIUS")

COMBINATION CURB, GUTTER & SIDEWALK

NOTES:

1. ALL CONCRETE SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE TO THE PROVISIONS OF SECTION 73, "CONCRETE CURBS AND SIDEWALKS" OF THE CALTRANS STANDARD SPECIFICATIONS.
2. RELATIVE COMPACTION OF NOT LESS THAN 95% SHALL BE OBTAINED FOR SUBGRADE SOILS AND CLASS 2 AGGREGATE BASE BELOW CURBS AND GUTTERS. RELATIVE COMPACTION OF NOT LESS THAN 90% SHALL BE OBTAINED FOR SUBGRADE SOILS AND CLASS 2 AGGREGATE BASE BELOW SIDEWALKS.
3. LIMITS OF REMOVAL OF ALL CURBS, GUTTERS, SIDEWALKS AND APPROACHES SHALL BE SAWED ALONG EXISTING JOINTS AND SCORE LINES.
4. NEW CONCRETE IMPROVEMENTS SHALL BE JOINED TO EXISTING BY DOWELLING #4 REBAR 6" INTO EXISTING CONCRETE AND 12" INTO NEW CONCRETE EVERY 2'.
5. CONCRETE WHICH HAS BEEN MARKED OR SCRATCHED SHALL BE REMOVED AND REPLACED.
6. USE 1/4" RADIUS JOINTER FOR ALL SCORELINES. LINES SHALL BE STRAIGHT, TRUE TO ALIGNMENT AND DEPTH. PLACE 1/2" SCORELINES EVERY 4', WITH EVERY OTHER SCORELINE BEING A 3/4" DEEP SCORE.
7. 3/4" DEEP SCORE RUNS CONTINUOUSLY THROUGH SIDEWALK AND CURB AND GUTTER.
8. SCORELINES FOR SIDEWALKS WIDER THAN 5' SHALL INCLUDE A 1/2" LONGITUDINAL CENTERED SCORELINE.
9. PLACE EXPANSION JOINTS EVERY 60'.

CITY OF WATSONVILLE PUBLIC WORKS & UTILITIES DEPARTMENT

NOT TO SCALE



CITY OF WATSONVILLE

STANDARD DRAWING FOR  
**CURB, GUTTER &  
SIDEWALK**

*Maria Esther Rodriguez*

MARIA ESTHER RODRIGUEZ, CITY ENGINEER

DRAWN:  
6/97

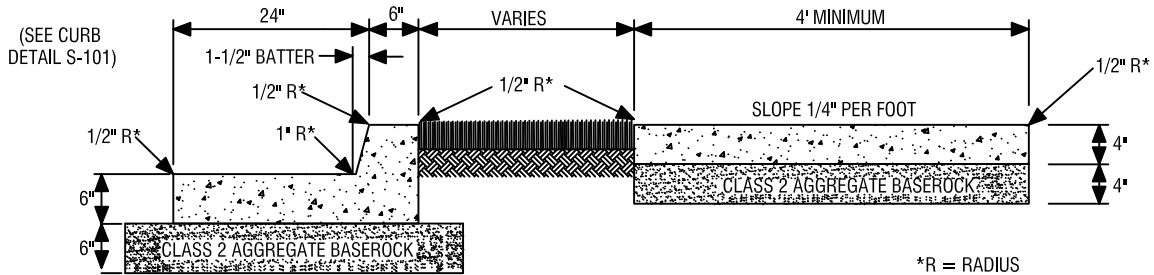
REV.:  
12/12

RESOLUTION No.  
76-13 (CM)

DRAWING No.  
**S-101**

DRAWN BY:  
P.A.C.

CHECKED BY:  
T.S.


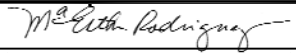


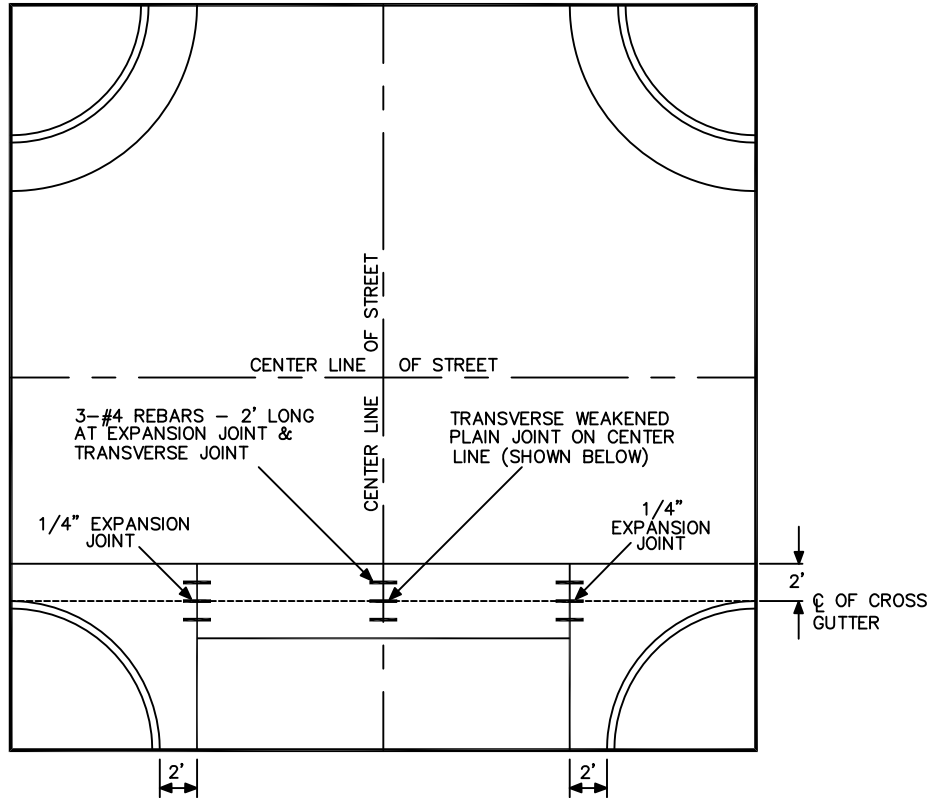
CURB & GUTTER WITH DETACHED SIDEWALK

NOTES:

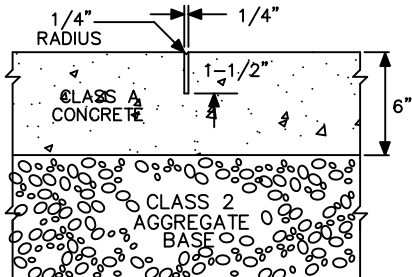
1. ALL CONCRETE SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE TO THE PROVISIONS OF SECTION 73, "CONCRETE CURBS AND SIDEWALKS", OF THE CALTRANS STANDARD SPECIFICATIONS.
2. RELATIVE COMPACTION OF NOT LESS THAN 95% SHALL BE OBTAINED FOR SUBGRADE SOILS AND CLASS 2 AGGREGATE BASE BELOW CURBS AND GUTTERS. RELATIVE COMPACTION OF NOT LESS THAN 90% SHALL BE OBTAINED FOR SUBGRADE SOILS AND CLASS 2 AGGREGATE BASE BELOW SIDEWALKS.
3. LIMITS OF REMOVAL OF ALL CURBS, GUTTERS, SIDEWALKS AND APPROACHES SHALL BE SAWED ALONG EXISTING JOINTS AND SCORE LINES.
4. CONCRETE WHICH HAS BEEN MARKED OR SCRATCHED SHALL BE REMOVED AND REPLACED.
5. SEE PUBLIC IMPROVEMENT STANDARD S-101 FOR SCORING AND JOINTING REQUIREMENTS.

CITY OF WATSONVILLE PUBLIC WORKS & UTILITIES DEPARTMENT

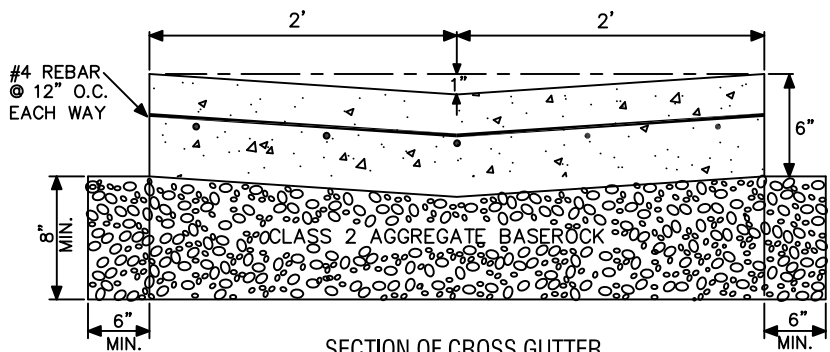
NOT TO SCALE	 <p>CITY OF WATSONVILLE</p>	<p>STANDARD DRAWING FOR <b>CURB, GUTTER AND SEPARATED SIDEWALK</b></p>	DRAWN: 6/97	REV.: 12/12
DRAWN BY: P.A.C.			RESOLUTION No. 76-13 (CM)	
CHECKED BY: T.S.		 <p>MARIA ESTHER RODRIGUEZ, CITY ENGINEER</p>	DRAWING No. <b>S-102</b>	



PLAN OF TYPICAL INTERSECTION WITH CROSS GUTTER



SECTION OF TRANSVERSE GROOVE JOINT



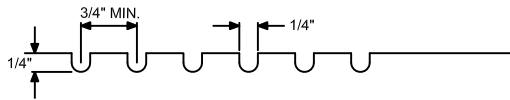
SECTION OF CROSS GUTTER

**NOTES:**

1. ALL CONCRETE SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE TO THE PROVISIONS OF SECTION 73, "CONCRETE CURBS AND SIDEWALKS", OF THE CALTRANS STANDARD SPECIFICATIONS.
2. RELATIVE COMPACTION OF NOT LESS THAN 95% SHALL BE OBTAINED FOR SUBGRADE SOILS AND CLASS 2 AGGREGATE BASE BELOW THE CROSS GUTTER.
3. NEW CONCRETE IMPROVEMENTS SHALL BE JOINED TO EXISTING BY DOWELLING #4 REBAR 6" INTO EXISTING CONCRETE AND 12" INTO NEW CONCRETE EVERY 2'.
4. CONCRETE WHICH HAS BEEN MARKED OR SCRATCHED SHALL BE REMOVED AND REPLACED.
5. WEAKENED PLANE JOINTS CONSTRUCTED AT 20' SPACING.

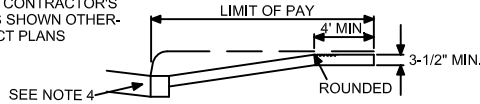
CITY OF WATSONVILLE PUBLIC WORKS & UTILITIES DEPARTMENT STANDARD DRAWING

NOT TO SCALE		STANDARD DRAWING FOR <b>4' STANDARD CROSS GUTTER</b>	DRAWN: 7/97	REV.: 12/12
			RESOLUTION 76-13 (CM)	
DRAWN BY: P.A.C.	CITY OF WATSONVILLE	 MARIA ESTHER RODRIGUEZ, CITY ENGINEER	DRAWING No. <b>S-103</b>	
CHECKED BY: T.S.				

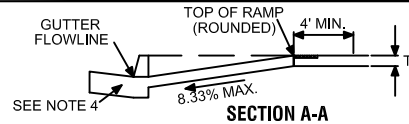


**GROOVING DETAIL**

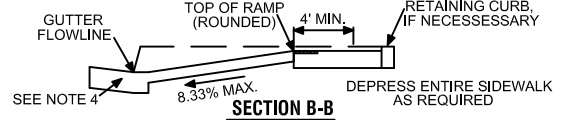
REMOVAL AND REPLACEMENT OF CURB APRON AT CONTRACTOR'S OPTION, UNLESS SHOWN OTHERWISE ON PROJECT PLANS



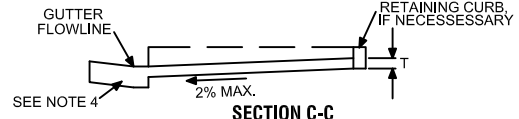
**RETROFIT DETAIL**



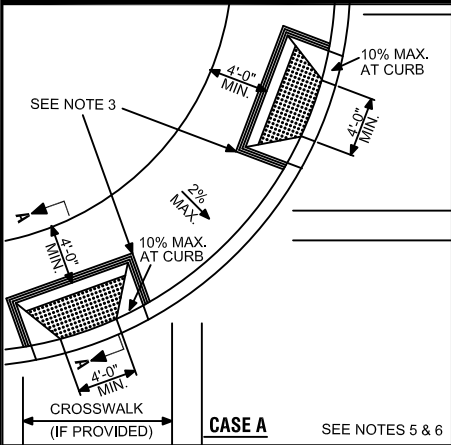
**SECTION A-A**



**SECTION B-B**

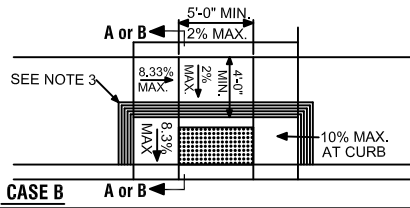


**SECTION C-C**

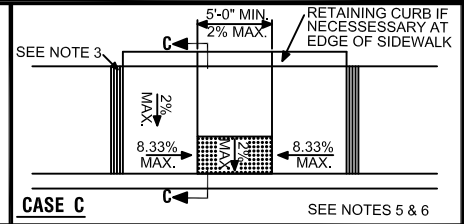


**CASE A**

SEE NOTES 5 & 6

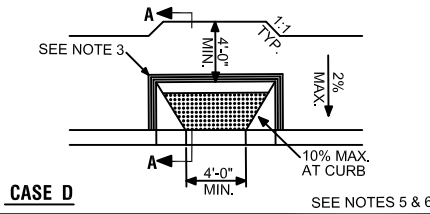


**CASE B**



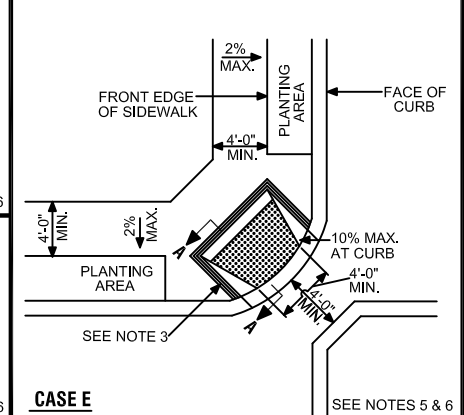
**CASE C**

SEE NOTES 5 & 6



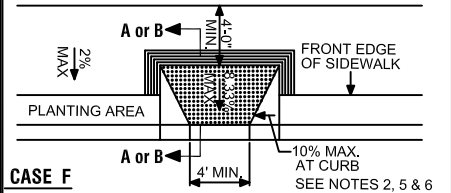
**CASE D**

SEE NOTES 5 & 6



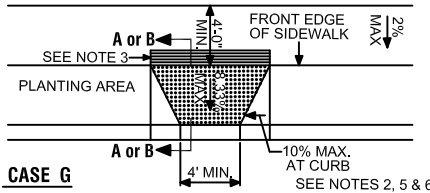
**CASE E**

SEE NOTES 5 & 6



**CASE F**

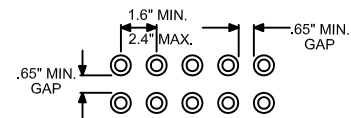
SEE NOTES 2, 5 & 6



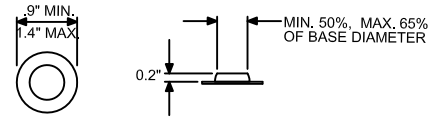
**CASE G**

SEE NOTES 2, 5 & 6

**DETECTABLE WARNING SURFACE DETAILS**



**RAISED TRUNCATED DOME PATTERN (IN-LINE)**



**RAISED TRUNCATED DOME**

**NOTES:**

- 1) IF THE DISTANCE FROM CURB TO BACK OF SIDEWALK IS TOO SHORT TO ACCOMODATE RAMP AND 4'-0" PLATFORM AS IN CASE "A", THE SIDEWALK MAY BE DEPRESSED LONGITUDINALLY AS IN CASE "B" OR "C", OR MAY BE WIDENED AS IN CASE "D".
- 2) FOR CASES "F" AND "G", THE LONGITUDINAL PORTION OF THE SIDEWALK MAY NEED TO BE DEPRESSED, AS IN CASE "B".
- 3) THE RAMP SHALL HAVE A 12" WIDE BORDER WITH 1/4" GROOVES APPROX. 3/4" ON CENTER. SEE "GROOVING DETAIL".
- 4) MAXIMUM SLOPES OF ADJOINING GUTTERS, THE ROAD SURFACE IMMEDIATLY ADJACENT TO THE CURB RAMP AND CONTINUOUS TO THE CURB RAMP SHALL NOT EXCEED 5% WITHIN 4'-0" OF THE TOP OR BOTTOM OF THE CURB RAMP.
- 5) CURB RAMPS SHALL HAVE A DETECTABLE WARNING SURFACE THAT EXTENDS THE FULL WIDTH AND 3'-0" DEPTH OF THE CURB RAMP. DETECTABLE WARNING SURFACES SHALL CONFORM TO THE DETAILS ON THIS PLAN AND THE REQUIREMENTS IN THE SPECIAL PROVISIONS
- 6) THE EDGE OF THE DETECTABLE WARNING SURFACE NEAREST THE STREET SHALL BE BETWEEN 6" AND 8" FROM THE GUTTER FLOW LINE.

ACCESSIBILITY STANDARDS & DETAILS ARE SUBJECT TO CHANGE TO COMPLY WITH THE MOST CURRENT FEDERAL REGULATIONS SET FORTH BY THE ACCESS BROAD "AMERICANS WITH DISABILITIES ACT GUIDELINES".

CITY OF WATSONVILLE PUBLIC WORKS & UTILITIES DEPARTMENT

**NOT TO SCALE**

**DRAWN BY:**  
P.A.C.

**CHECKED BY:**  
M.E.C.R.



STANDARD DRAWING FOR  
**CURB RAMP**

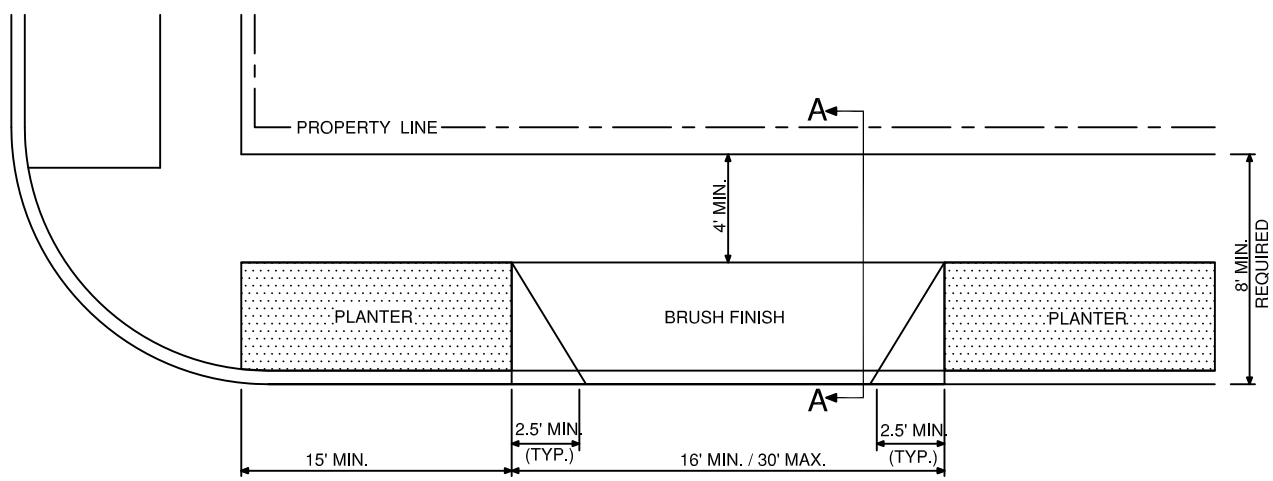
MARIA ESTHER RODRIGUEZ, CITY ENGINEER

**DRAWN:**  
9/97

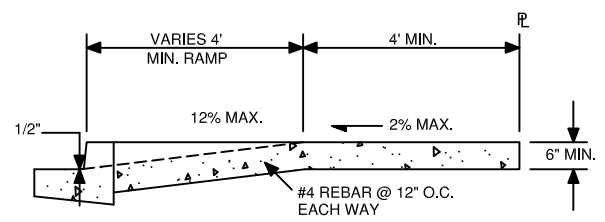
**REV.:**  
11/12

**RESOLUTION:**  
76-13 (CM)

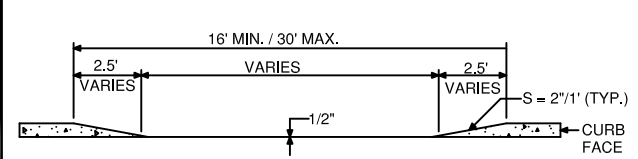
**DRAWING No.**  
**S-104**



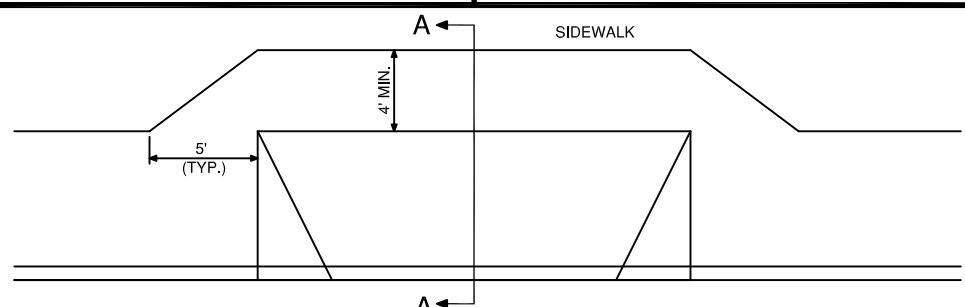
**PLAN**  
**TYPE "A" DRIVEWAY WITH PLANTER STRIP**  
**AND 8' OR WIDER SIDEWALK**



**SECTION A-A**



**TYPICAL ELEVATION**  
**TYPE "A" & "B" DRIVEWAY**



**PLAN**  
**TYPE "B" DRIVEWAY**

**NOTES:**

- 1) ALL CONCRETE SHALL BE FURNISHED AND INSTALLED IN ACCORDANCE TO THE PROVISIONS OF SECTION 73, "CONCRETE CURBS AND SIDEWALKS" OF THE CALTRANS STANDARD SPECIFICATIONS.
- 2) CURBS, GUTTERS AND SIDEWALK APPROACHES SHALL BE UNDERLAIN WITH 6" CLASS 2 AGGREGATE BASE.
- 3) RELATIVE COMPACTION OF NOT LESS THAN 95% SHALL BE OBTAINED FOR SUBGRADE SOILS AND CLASS 2 AGGREGATE BASE BELOW CURBS, GUTTERS AND DRIVEWAY APPROACHES.
- 4) THE DRIVEWAY APPROACH SHALL BE REINFORCED WITH #4 REBAR PLACED AT 12" ON CENTER EACH WAY.
- 5) LIMITS OF REMOVAL OF ALL CURBS, GUTTERS, SIDEWALKS AND APPROACHES SHALL BE SAWS ALONG EXISTING JOINTS AND SCORELINES.
- 6) CONCRETE WHICH HAS BEEN MARKED OR SCRATCHED SHALL BE REMOVED AND REPLACED.
- 7) SEE PUBLIC IMPROVEMENT STANDARD S-101 FOR SCORING AND JOINTING REQUIREMENTS.

CITY OF WATSONVILLE PUBLIC WORKS & UTILITIES DEPARTMENT

NOT TO SCALE  DRAWN BY: P.A.C.  CHECKED BY: M.E.C.R.	 CITY OF WATSONVILLE	STANDARD DRAWING FOR <b>DRIVEWAY          APPROACH</b>		DRAWN: <b>8/11</b>	REV.: <b>12/12</b>
		 MARIA ESTHER RODRIGUEZ, CITY ENGINEER		RESOLUTION: 76-13 (CM)	
		<b>S-105</b>			