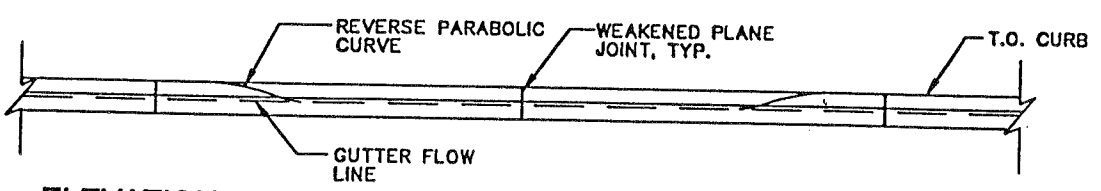


PLAN



ELEVATION

NOTES:

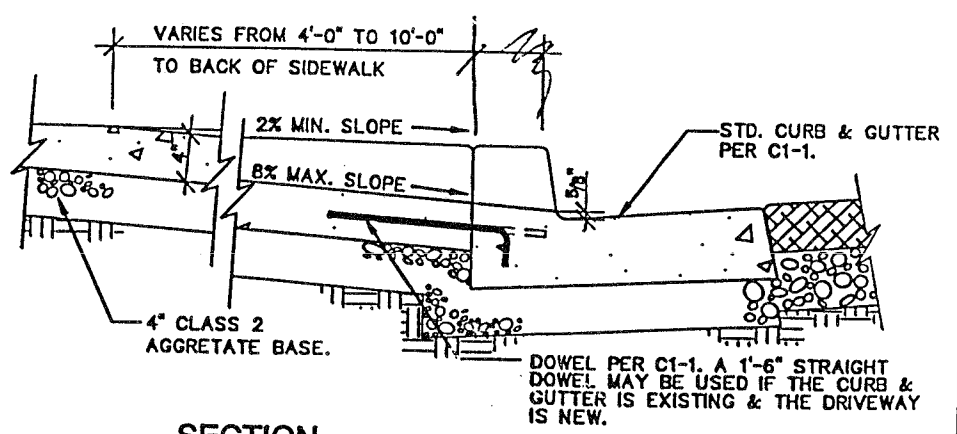
1. 90° WILL VARY IN FIELD DEPENDING ON EXACT CURVATURE OF CURB & PROPERTY LINE.
2. IF CONSTRUCTING A NEW DRIVEWAY AND THE DISTANCE BETWEEN FLARES IS LESS THAN 10'-0", CONTACT CITY ENGINEER FOR REQUIREMENTS.
3. (N) DRIVEWAYS SHALL BE INSTALLED AS FAR AS PRACTICABLE FROM THE INTERSECTION OR CURB RETURNS FOR SIGHT DISTANCE PURPOSES. CONTACT CITY TRAFFIC ENGINEER.
4. NORMAL DEPTH OF DRIVEWAY VARIES FROM 4'-0" TO 10'-0". IF CONSTRUCTING (N) DRIVEWAY & /OR SIDEWALK, CONTACT CITY ENGR FOR WIDTH REQUIREMENTS.
5. SEE C1-4 FOR LOCATION OF WEAKENED PLANE JOINTS & SCORE LINES.
6. SEE C1-4 FOR SIDEWALK CONST JOINTS.
7. EXPANSION JOINTS ARE REQUIRED EVERY 100' IN SIDEWALK.
8. WHEN REPLACING (E) CONG. SAWCUT AT NEAREST SCORE MARK, WEAKENED PLANE OR CONST JOINT, OR AS APP'D BY CITY ENGINEER.
9. TEMPERATURE OF MIXED CONCRETE MUST BE BETWEEN 50°F AND 90°F IMMEDIATELY PRIOR TO PLACING.
10. AN APPROVED CLEAR CURING COMPOUND SHALL BE SPRAYED ON THE CONCRETE AS SOON AS PRACTICABLE AFTER FINISHING.
11. CONCRETE SHALL BE CLASS "B".
12. 1 PINT/CU YD OF LAMP BLACK SHALL BE ADDED TO THE CONCRETE.
13. FINISHED CONG TO BE FREE OF GRAFFITI.
14. #4 x 1'-6" DOWELS @ 4'-0" O.C. REQ'D IF CURB AND GUTTER ARE NOT MONOLITHICALLY POURED W/ DRIVEWAY APPROACH.
15. SUBGRADE SHALL BE COMPACTED TO 90% RELATIVE COMPACTION. AGGREGATE BASE SHALL BE COMPACTED TO 95% RELATIVE COMPACTION.
16. FOR GUTTER REPLACEMENT, EXISTING ASPHALT SHALL BE SAWCUT. IF A SMOOTH EDGE IS NOT POSSIBLE, A 12" CONFORMING AREA IS REQ'D. REPLACE WITH NEW A.C.

RESIDENTIAL DRIVEWAY APPROACH

1

3/16" = 1'-0"

**SUPERCEDED**



SECTION

RESIDENTIAL DRIVEWAY

a

3/4" = 1'-0"

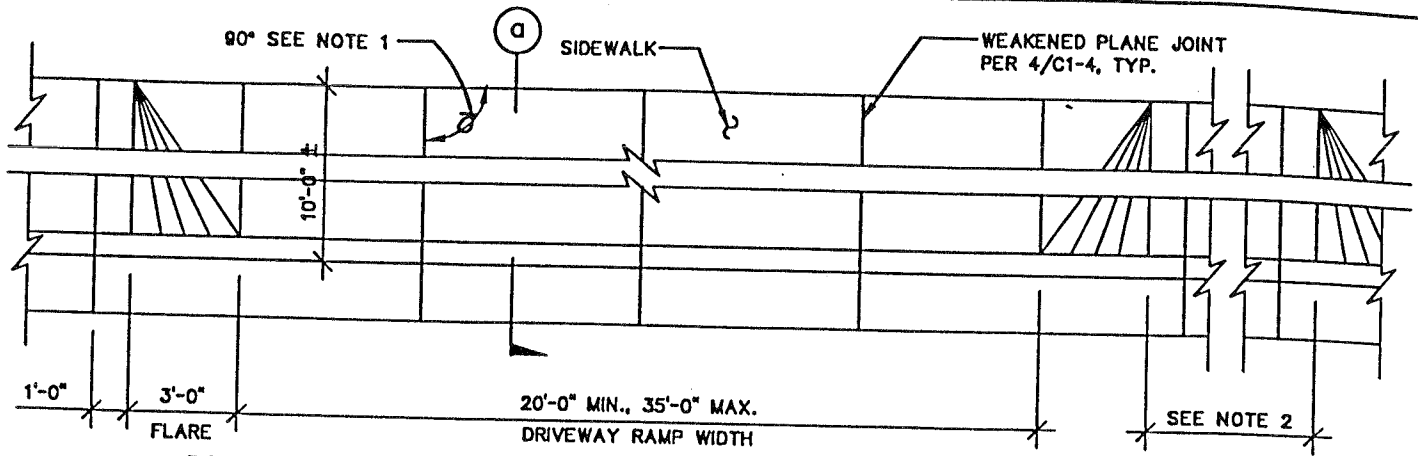


CITY OF PLEASANT HILL

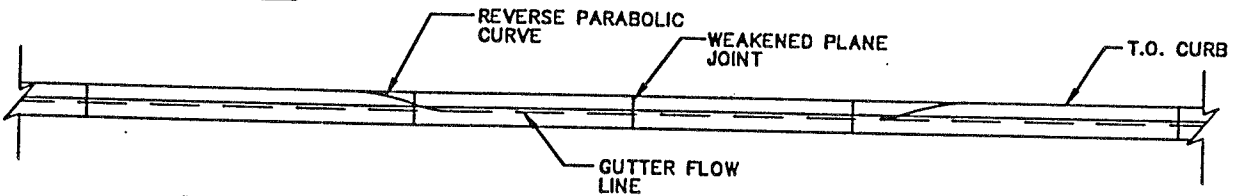
DEPARTMENT OF PUBLIC WORKS

DWG. NO.:	C1-2
DATE:	8/2/99
SCALE:	AS NOTED

RESIDENTIAL DRIVEWAY APPROACH



PLAN



ELEVATION

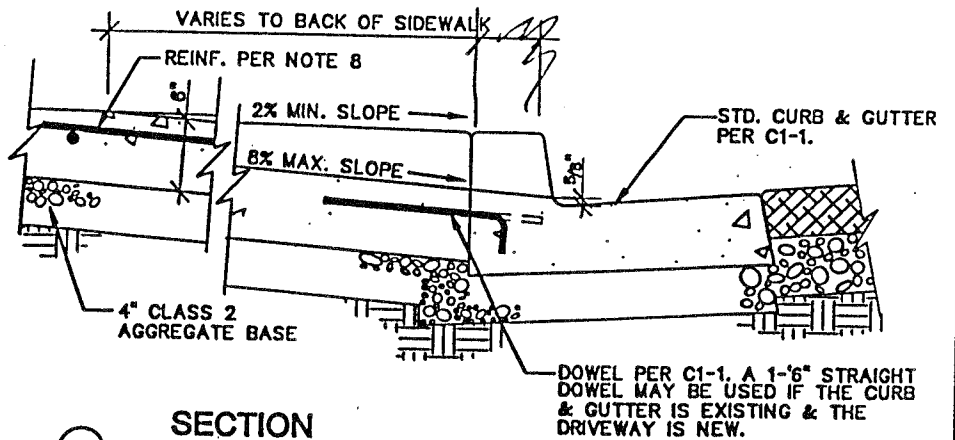
NOTES:

1. 90° WILL VARY IN FIELD DEPENDING ON EXACT CURVATURE OF CURB & PROPERTY LINE.
2. IF CONSTRUCTING A NEW DRIVEWAY AND THE DISTANCE BETWEEN FLARES IS LESS THAN 10'-0", CONTACT CITY ENGINEER FOR REQUIREMENTS.
3. (N) DRIVEWAYS SHALL BE INSTALLED AS FAR AS PRACTICABLE FROM THE INTERSECTION OR CURB RETURNS FOR SIGHT DISTANCE PURPOSES. CONTACT CITY TRAFFIC ENGINEER.
4. SEE C1-4 FOR LOCATION OF WEAKENED PLANE JOINTS & SCORE LINES.
5. SEE C1-4 FOR SIDEWALK CONST JOINTS.
6. EXPANSION JOINTS ARE REQUIRED EVERY 100' IN SIDEWALK.
7. WHEN REPLACING (E) CONC, SAWCUT AT NEAREST SCORE MARK, WEAKENED PLANE OR CONST JOINT, OR AS APP'D BY CITY ENGINEER.
8. TEMPERATURE OF MIXED CONCRETE MUST BE BETWEEN 50°F AND 90°F IMMEDIATELY PRIOR TO PLACING.
9. AN APPROVED CLEAR CURING COMPOUND SHALL BE SPRAYED ON THE CONCRETE AS SOON AS PRACTICABLE AFTER FINISHING.
10. CONCRETE SHALL BE CLASS "B".
11. 1 PINT/CU YD OF LAMP BLACK SHALL BE ADDED TO THE CONCRETE.
12. FINISHED CONC TO BE FREE OF GRAFFITI.
13. COMMERCIAL DRIVEWAYS SHALL HAVE #4s @ 18" O.C. EACH WAY.
14. #4 x 1'-6" DOWELS @ 4'-0" O.C. REQ'D IF CURB AND GUTTER ARE NOT MONOLITHICALLY POURED W/ DRIVEWAY APPROACH.
15. SUBGRADE SHALL BE COMPACTED TO 90% RELATIVE COMPACTION. AGGREGATE BASE SHALL BE COMPACTED TO 95% RELATIVE COMPACTION.
16. FOR GUTTER REPLACEMENT, EXISTING ASPHALT SHALL BE SAWCUT. IF A SMOOTH EDGE IS NOT POSSIBLE, A 12" CONFORMING AREA IS REQ'D. REPLACE WITH NEW A.C.

1 COMMERCIAL DRIVEWAY APPROACH

3/16" = 1'-0"

**SUPERCEDED**



SECTION

2 COMMERCIAL DRIVEWAY

3/4" = 1'-0"



CITY OF PLEASANT HILL

DEPARTMENT OF PUBLIC WORKS

DWG. NO.: C1-3

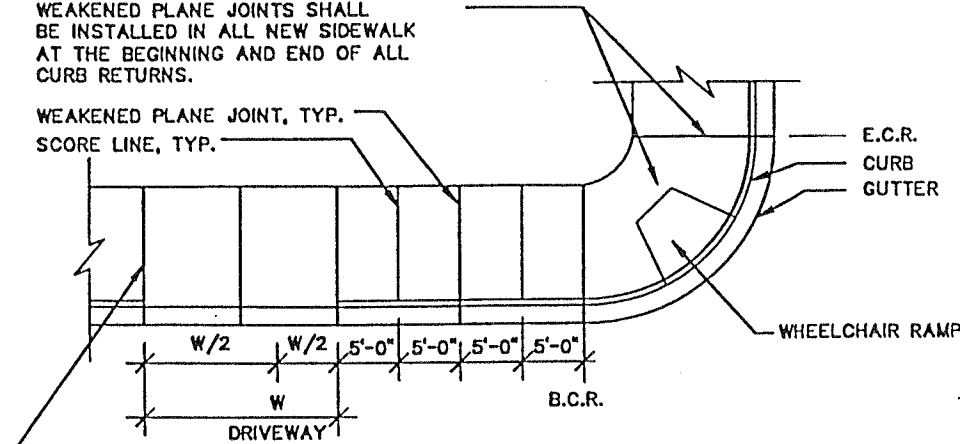
DATE: 8/2/99

SCALE: AS NOTED

COMMERCIAL DRIVEWAY APPROACH

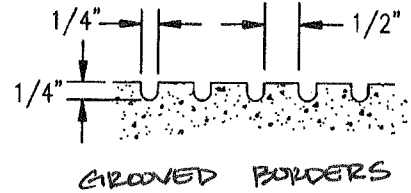
WEAKENED PLANE JOINTS SHALL BE INSTALLED IN ALL NEW SIDEWALK AT THE BEGINNING AND END OF ALL CURB RETURNS.

WEAKENED PLANE JOINT, TYP.  
SCORE LINE, TYP.



**DRAFT**

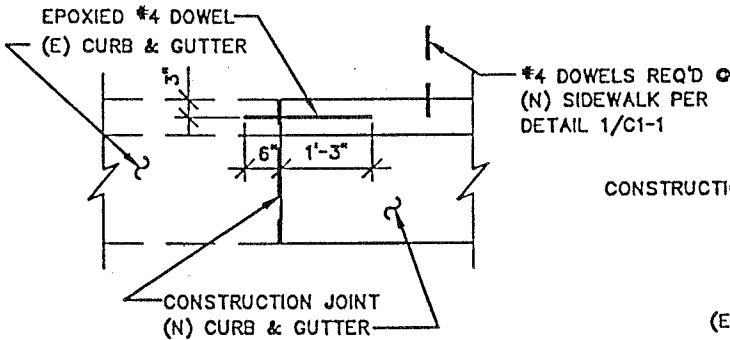
WEAKENED PLANE JOINTS SHALL BE INSTALLED AT EACH END AND THE CENTER OF ALL DRIVEWAY APPROACHES.



1

**WEAKENED PLANE JOINTS AND SCORE LINES**

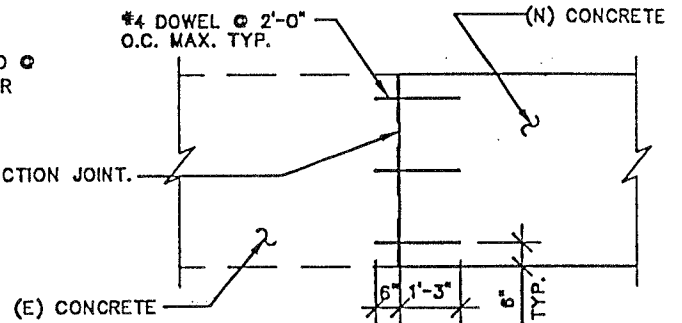
1/16" = 1'-0"



2

**(N) & (E) CURB & GUTTER**

3/8" = 1'-0"



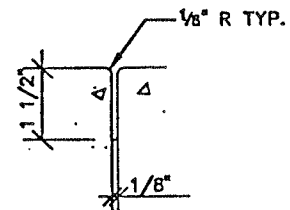
3

**(N) & (E) CONCRETE**

1/4" = 1'-0"

**NOTES**

1. WEAKENED PLANE JOINTS SHALL BE PLACED EVERY 10'-0" MAX. AND SHALL EXTEND FROM BACK OF SIDEWALK TO GUTTER LIP.
2. TOOL SCORE LINES 1/4" DEEP SHALL BE PLACED EVERY 10'-0" EXTENDING ACROSS SIDEWALK ONLY, EXCEPT WHEN ADJACENT TO AN (E) DRIVEWAY OR SIDEWALK, IN WHICH CASE THEY SHALL CORRESPOND TO (E) LINES. LONGITUDINAL SCORE LINES WILL BE REQ'D IN SIDEWALK 6'-0" OR MORE IN WIDTH AT CENTER OF WALK.
3. CONSTRUCTION JOINTS SHALL BE REQ'D IN CURB, GUTTER, SIDEWALK, DRIVEWAY AND VALLEY GUTTER WORK WHENEVER (N) CONCRETE IS TO BE POURED AGAINST (E) CONCRETE.
4. ALL DOWELS SHALL HAVE MIN. 1 1/2" COVER.



4

**WEAKENED PLANE JOINT**

3" = 1'-0"



**CITY OF PLEASANT HILL**

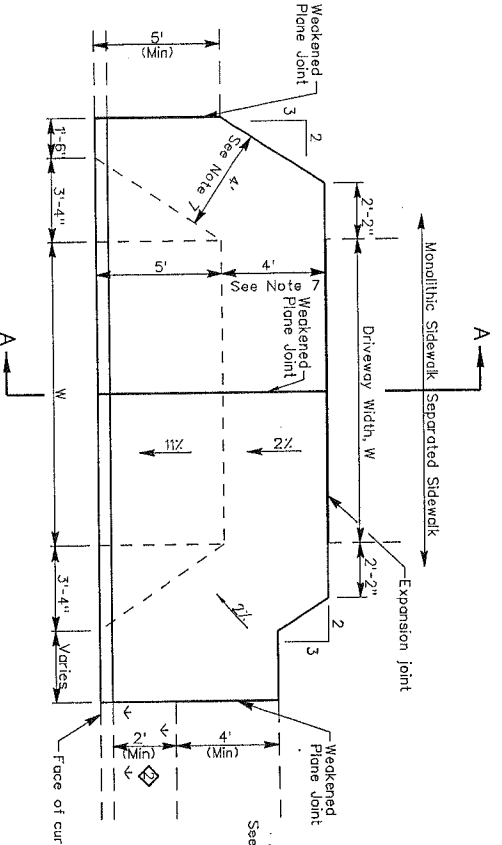
DEPARTMENT OF PUBLIC WORKS

DWG. NO.: C1-4

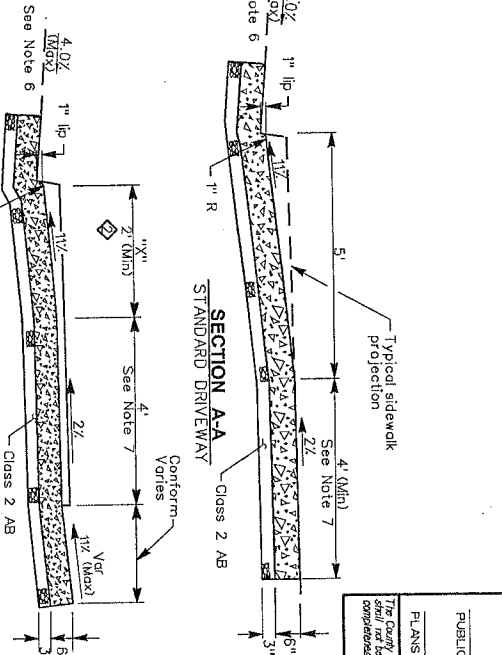
DATE: 7/29/99

SCALE: AS NOTED

**CURB, GUTTER & SIDEWALK  
CONSTRUCTION DETAILS**



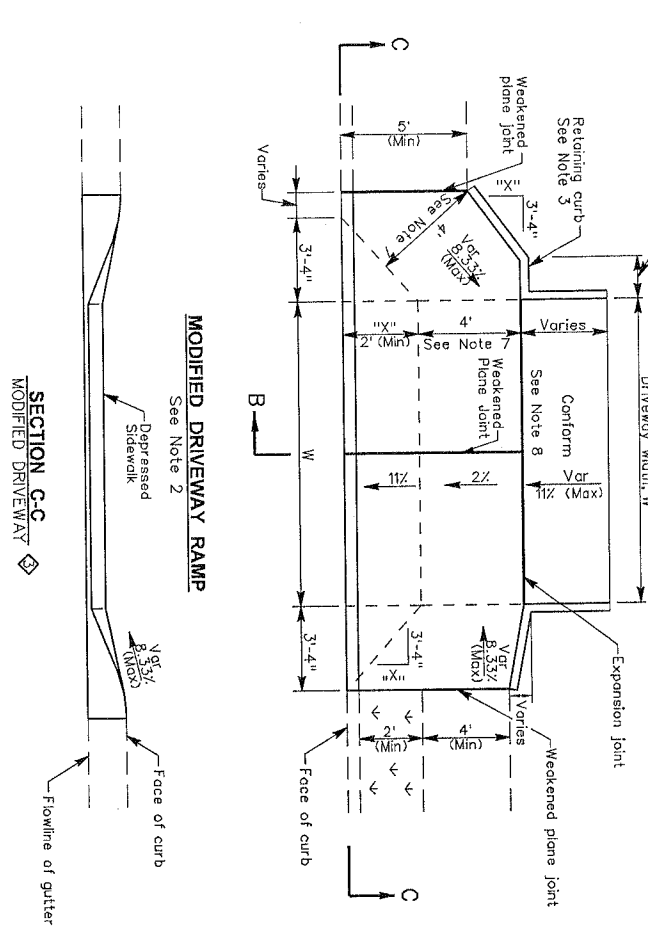
**STANDARD DRIVEWAY RAMP**



**SECTION B-B**  
MODIFIED DRIVEWAY  
See Note 4

**SECTION A-A**  
STANDARD DRIVEWAY

- NOTES:**
1. New depressed curb and driveway ramps shall be constructed monolithically.
  2. The modified driveway may be used when approved by the Public Works Department. "X" shall be as large as possible.
  3. Retaining curbs and driveway conformers as required by the Public Works Department.
  4. For depressed driveways (Section B-B) the sidewalk shall be a minimum of 35/64" (7/16"-2") above the gutter flowline grade. Depth of gutter flows shall be calculated and compared to proposed depressed sidewalk elevations during design.
  5. See Standard Plan CA701 for weakened plane joint expansion joint, and scoremark details.
  6. If pavement cross slope exceeds 4.0%, the modified driveway shall be placed with the slope of the driveway ramp reduced such that the difference in slope of the driveway ramp and the slope of a line between the gutter and a point on the roadway 5' from gutter flowline shall not exceed 15%. Reduce driveway ramp slope, not the gutter slope. Other dimensions shall be modified as approved by the Public Works Department.
  7. Minimum width of clear passage shall be 4' with a 2% cross slope. Where right of way restrictions, reduced clear width or restrictions create an unreasonable hardship, the clear width may be reduced to 3' with a 2% cross slope, with approval of the Public Works Department.
  8. Acquisition of construction easement may be necessary where right of way is limited to construct conform.
  9. Dimension is 18" for a sidewalk width of 4', 23" for a sidewalk width of 5', and 14" for a sidewalk width of 3'.



**MODIFIED DRIVEWAY RAMP**

**SECTION C-C**  
MODIFIED DRIVEWAY

NO.	DATE	REVISION DESCRIPTION
1	2-02	Supersedes Standard Plan CA72
2	5-02	Revised Dimension 3 to 2 & linework
3	8-02	Added Section C-C

SCALE: NO SCALE	DATE: 2-02
DRAWN BY: H.HUSSEY	PLAN NO. CA721
CHECKED BY: K.HOLMESWORTH	

**DRIVEWAY RAMP DETAILS**

COUNTY OF CONTRA COSTA  
PUBLIC WORKS DEPARTMENT  
MARTINEZ, CALIFORNIA  
STANDARD PLAN

PUBLIC WORKS DIRECTOR

PLANS APPROVAL DATE

REGISTERED PROFESSIONAL ENGINEER  
MAURICE M. SHU  
No. 23204  
Exp. 12/31/05  
STATE OF CALIFORNIA

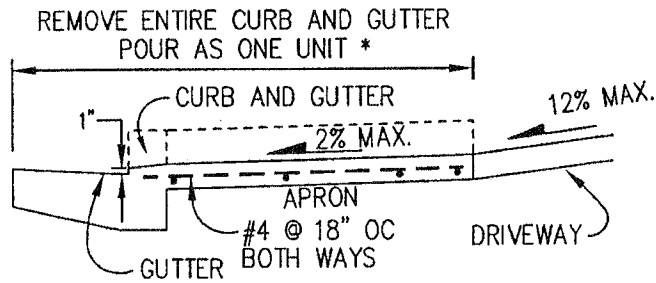
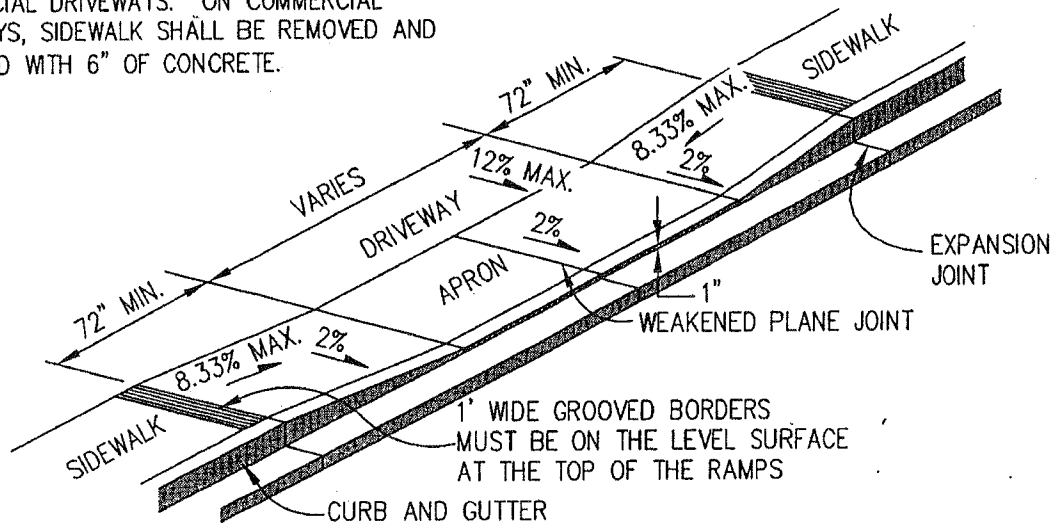
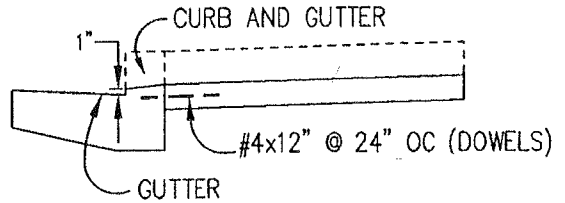
The County of Contra Costa or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.

**NOTES**

1. DRIVEWAY WIDTH SHALL BE 20' MAX. FOR RESIDENTIAL AND 35' MAX. FOR COMMERCIAL.
2. WEAKENED PLANE JOINTS REQUIRED ON CENTERLINE FOR DRIVEWAYS 10' TO 20' WIDE. DRIVEWAYS 22' TO 35' WIDE SHALL HAVE TWO WEAKENED PLANE JOINTS EVENLY SPACED AT 1/3 AND 2/3 POINTS.
3. ALL CONSTRUCTION AND MATERIALS IN CONFORMANCE WITH CITY STANDARD SPECIFICATIONS.
4. THICKNESS OF APRONS SHALL BE 6" ON RESIDENTIAL DRIVEWAYS AND 6" ON COMMERCIAL DRIVEWAYS. ON COMMERCIAL DRIVEWAYS, SIDEWALK SHALL BE REMOVED AND REPLACED WITH 6" OF CONCRETE.

**LEGEND**

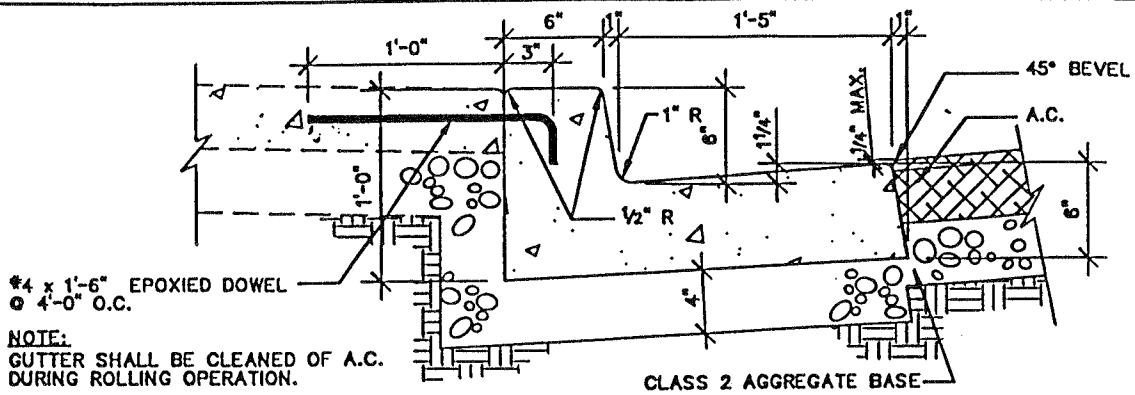
- \* IF CURB AND GUTTER ARE POURED SEPARATE OF APRON THEN DOWELS ARE REQUIRED AT BACK OF CURB. 3" IN CURB AND 9" IN CENTER OF APRON. SEE DETAIL BELOW.



**SECTION A-A**

DRAFT ADA COMPLIANT DRIVEWAY

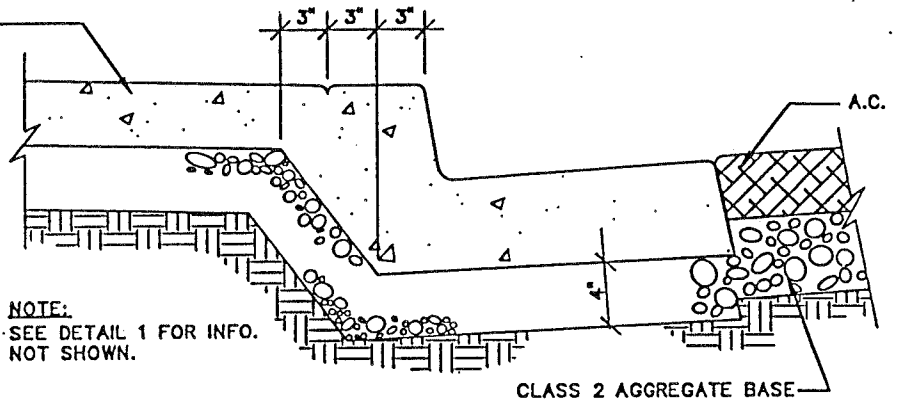
**DRAFT**



### STANDARD CURB AND GUTTER

1

SIDEWALK PER  
C1-2 AND C1-3.



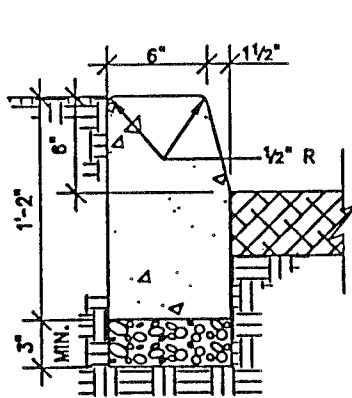
### MONOLITHICALLY POURED

### CURB, GUTTER & SIDEWALK

2

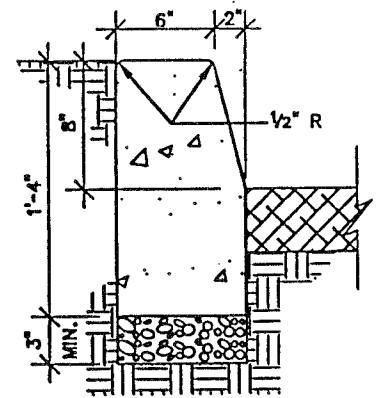
**NOTES:**

1. EXISTING CONCRETE SHALL BE REMOVED TO THE NEAREST SCORE MARK OR CONSTRUCTION JOINT.
2. WEAKENED PLANE JOINTS SHALL BE CONSTRUCTED AT ENDS OF CURB RETURNS, CURB INLETS & OTHER STRUCTURES @ 10'-0" O.C. OR MATCH EXISTING.
3. CONCRETE SHALL BE CLASS "B" WITH A LIGHT BROOM FINISH.
4. AN APPROVED CLEAR CURING COMPOUND SHALL BE SPRAYED ON THE CONCRETE AS SOON AS PRACTICABLE AFTER FINISHING.
5. 1 PINT/CU YD OF LAMP BLACK SHALL BE ADDED TO THE CONC.
6. TEMPERATURE OF MIXED CONC. MUST BE BETWEEN 50°F & 90°F IMMEDIATELY PRIOR TO PLACING.
7. FINISHED CONCRETE SHALL BE FREE OF GRAFFITI.
8. WHEN SIDEWALK AND CURB ARE NOT MONOLITHIC, DOWELS SHALL BE PLACED IN CURB @ 4'-0" O.C.
9. ALL DOWELS SHALL HAVE MIN. 1 1/2" CONCRETE COVER.
10. SUBGRADE SHALL BE COMPACTED TO 90% RELATIVE COMPACTION. AGGREGATE BASE SHALL BE COMPACTED TO 95% RELATIVE COMPACTION.
11. FOR GUTTER REPLACEMENT, EXISTING ASPHALT SHALL BE SAWCUT. IF A SMOOTH EDGE IS NOT POSSIBLE, A 12" CONFORMING AREA IS REQ'D. REPLACE WITH NEW A.C.



### PARKING AND LANDSCAPING CURB

3



### STREET MEDIAN CURB

4



CITY OF PLEASANT HILL

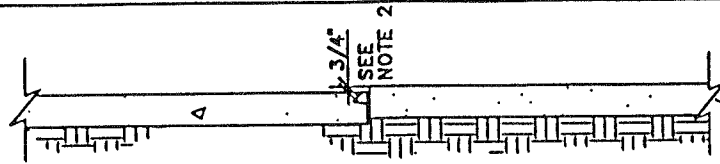
DEPARTMENT OF PUBLIC WORKS

DWG. NO.: C1-1

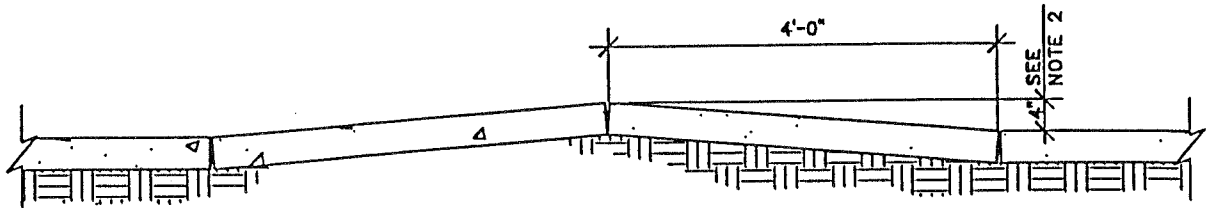
DATE: 7/29/99

SCALE: 1" = 1'-0"

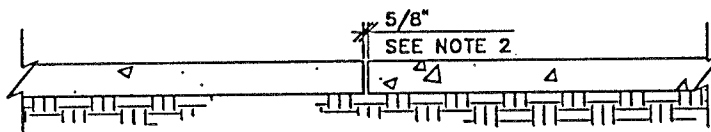
STANDARD CURB, GUTTER,  
AND SIDEWALK



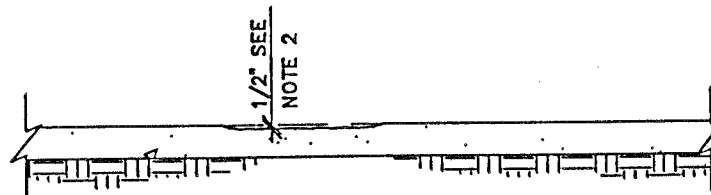
① **SIDEWALK SEPARATION**



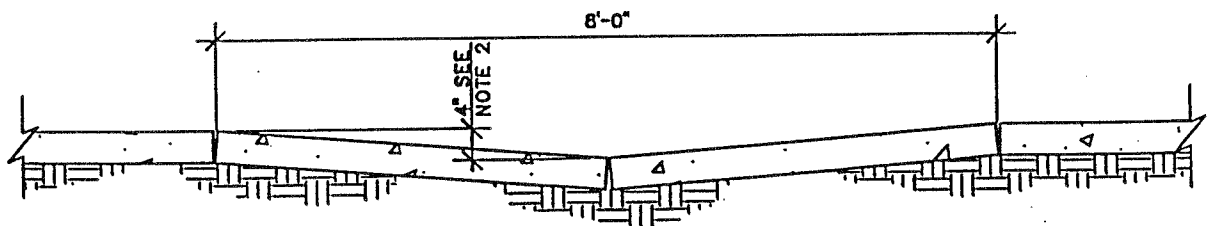
② **RAISED SIDEWALK**



③ **OPENING IN SIDEWALK**



④ **SURFACE SPALLING**



⑤ **SUNKEN SIDEWALK**

**NOTES**  
 1. REPAIR CRITERIA INCLUDES CONCRETE SIDEWALK, ASPHALT PATH, CURB & GUTTER.  
 2. VALUES LISTED ARE MINIMUM VALUES.



**CITY OF PLEASANT HILL**

DEPARTMENT OF PUBLIC WORKS

DWG. NO.: C2-1.DWG

DATE: 6/7/99

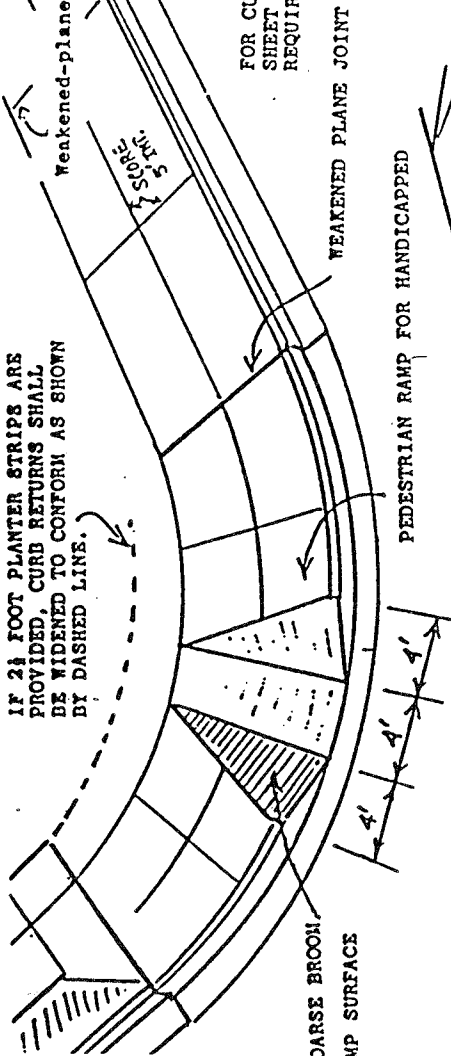
SCALE: 1/2" = 1'-0"

**SIDEWALK, CURB & GUTTER  
 REPAIR CRITERIA**

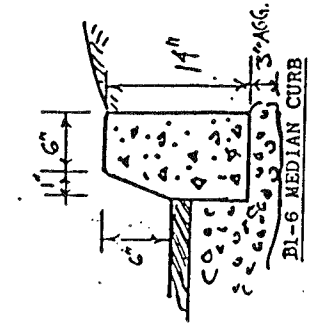
IF 24 FOOT PLANTER STRIPS ARE PROVIDED, CURB RETURNS SHALL BE WIDENED TO CONFORM AS SHOWN BY DASHED LINE.

Weakened-plane joints on 20-foot centers.

SCORE  
5 MIN.

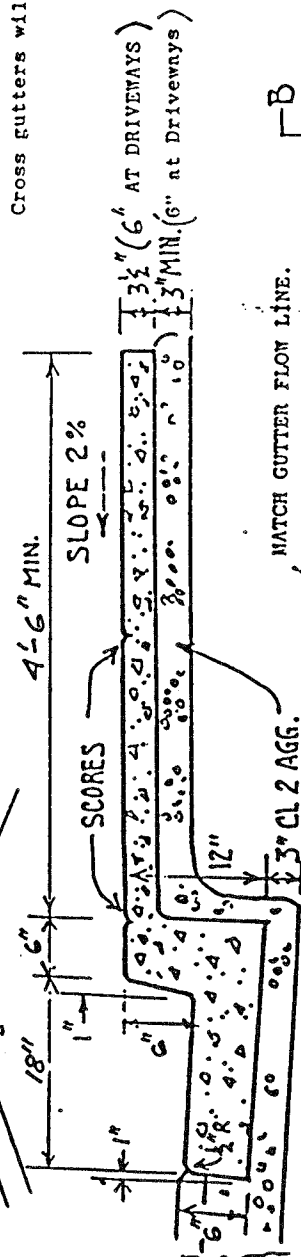
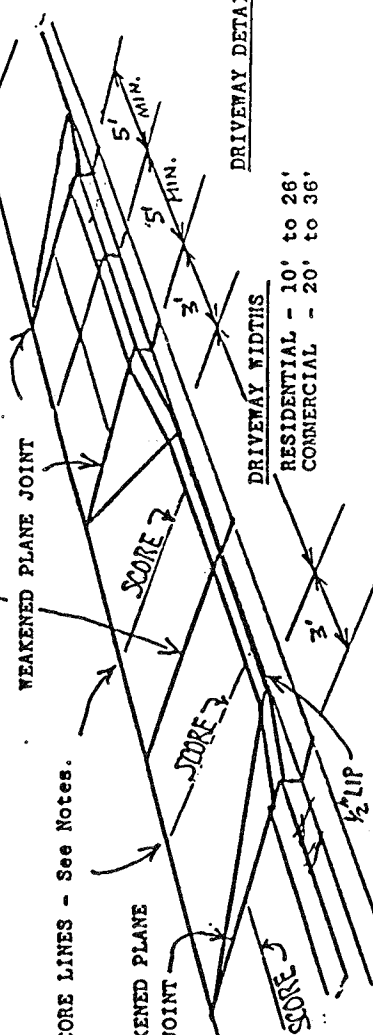


FOR CURB RETURN RADII, SEE SHEET 3 OF "TENTATIVE MAP REQUIREMENTS"

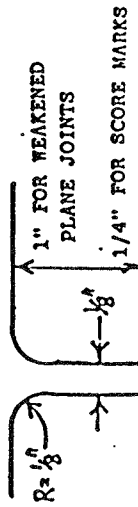


DRIVEWAY DETAILS

RESIDENTIAL - 10' to 26'  
COMMERCIAL - 20' to 36'

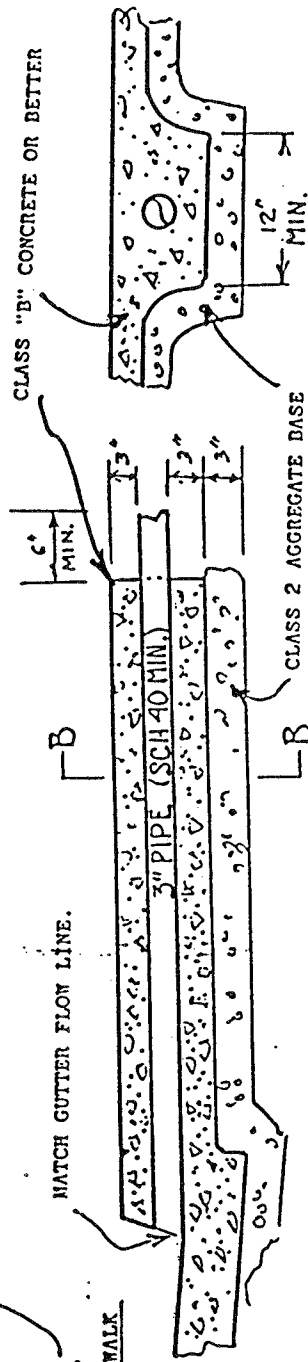


TYPICAL MONOLITHIC CURB, GUTTER AND SIDEWALK



JOINT OR SCORE DETAILS

SIDEWALK DRAIN DETAIL



NOTES

1. TRANSVERSE SCORE MARKS SHALL BE MADE AT 5-FOOT INTERVALS IN SIDEWALKS. LONGITUDINAL SCORE MARKS SHALL BE MADE ALONG THE CENTER LINE OF ALL SIDEWALKS THAT ARE MORE THAN 8 FEET WIDE.
2. WEAKENED PLANE JOINTS SHALL BE MADE EVERY 10 FEET ACROSS CURB, GUTTER AND SIDEWALKS INCLUDING IN DRIVEWAYS AS SHOWN. CLASS "B", OR BETTER, CONCRETE SHALL BE USED FOR ALL WORK SHOWN ON THIS STREET.
3. THICKNESS OF CONCRETE IN HANDICAPPED RAMP SHALL BE 3 1/2 INCHES.
4. S1-6 STANDARD CURB AND GUTTER SHALL ALWAYS BE USED UNLESS OTHERWISE APPROVED.

CURBS EXTRUDED ON TOP OF ASPHALT ARE NOT ACCEPTABLE.

Cut or fill slope.

Cross gutters will not be allowed.

Standard Asphalt Bdrm.

CLASS "B" CONCRETE OR BETTER

CLASS 2 AGGREGATE BASE

SIDEWALK DRAIN DETAIL

JOINT OR SCORE DETAILS

SECTION B - B

**CITY OF PLEASANT HILL  
PUBLIC WORKS STANDARDS**