CONCRETE LINED DITCH 4" thick no reinforcement			
Type	W	R	D
A	24"	20"	4"
B	30"	26"	5"
C	36"	30"	6"

DRIVEWAY CONNECTION 6" thick 6" X 6" 10Ga wire mesh			
Type	W	R	D
A	36"	63"	3"
B	48"	72"	4"
C	60"	90"	5"

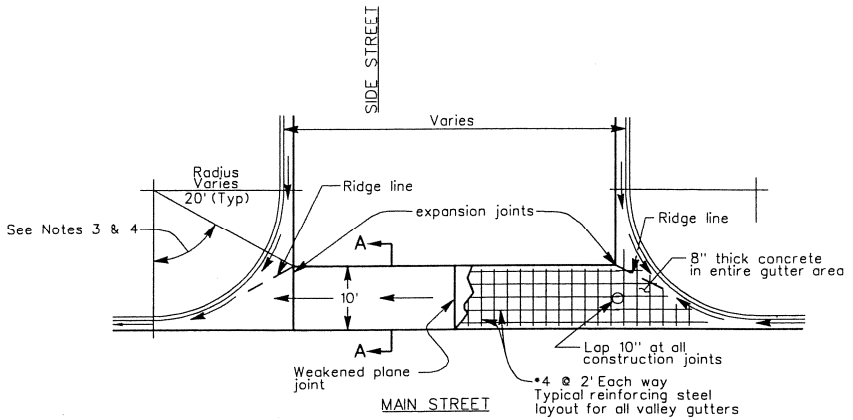
PUBLIC WORKS DIRECTOR

11/27/2002

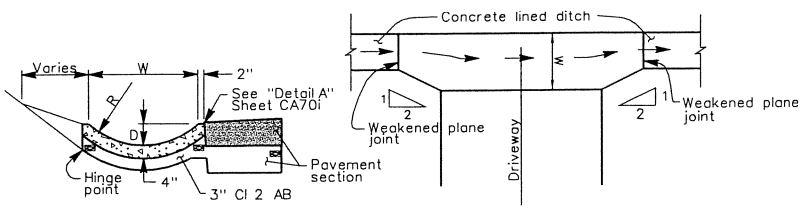
PLANS APPROVAL DATE

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.

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



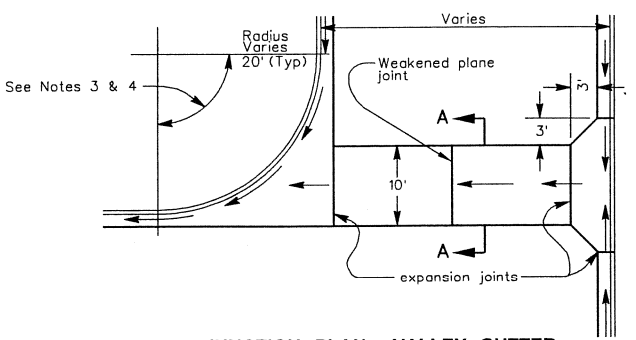
TYPICAL PLAN - VALLEY GUTTER



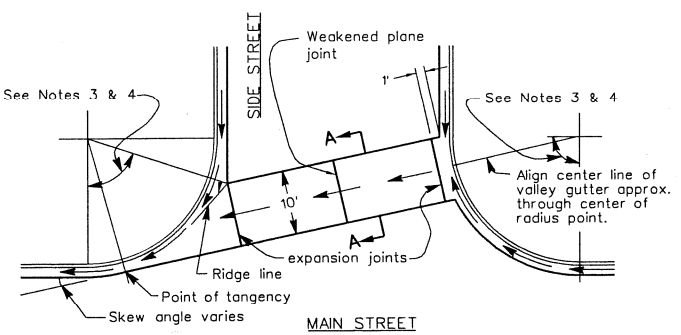
DITCH SECTION

DRIVEWAY SECTION

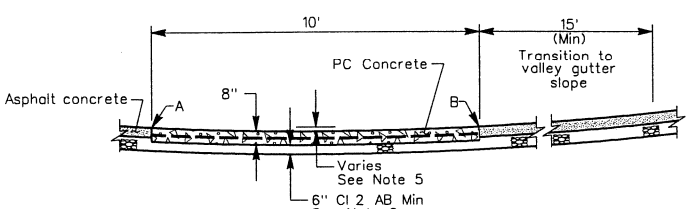
CONCRETE LINED DITCH



JUNCTION PLAN - VALLEY GUTTER



SKEWED JUNCTION - VALLEY GUTTER



Points A & B shall be at the same elevation.

SECTION A-A

NOTES:

1. Class 2 Portland Cement Concrete (590 lb PC per cu. yard, 3/4" maximum aggregate) shall be used for all construction detailed on this plan. ②
2. Weakened plane joints shall be provided at 10' intervals in curbs and concrete lined ditches.
3. The curb return profile within limits shown must conform to the main street profile.
4. Height of curb face around curb returns shall not exceed 6".
5. Depth of valley gutter shall be 1 1/8" when main street grade is 2% or less, 2 3/4" when main street grade exceeds 2%. In areas with curb ramps valley gutter cross slope shall not exceed 2%.
6. If total pavement thickness of side street exceeds 14", aggregate base thickness shall be increased to match total side street pavement thickness.
7. For weakened plane joint and expansion joint details see Standard Plan CA70i "Detail C".
8. Use skewed junction configuration to minimize flooding of main street caused by excessive runoff originating on side street. Divert major portion of side street flow to upstream end of valley gutter when possible.
9. Valley gutters shall only be used on local roads or roads with a low volume of traffic.

NO.	DATE	REVISION DESCRIPTION	BY
①	2-02	Supersedes Standard Plan CA73 dated 11-99	P.W.
②	7-02	Concrete Spec. Revision	HH

COUNTY OF CONTRA COSTA
PUBLIC WORKS DEPARTMENT
MARTINEZ, CALIFORNIA

STANDARD PLAN

CONCRETE VALLEY GUTTER AND CONCRETE LINED DITCH DETAILS

SCALE: NO SCALE | DATE: 7-02
DRAWN BY: H. HUSSEY | PLAN NO. CA73i
CHECKED BY: M. HOLLINGSWORTH

STD. PLAN CA73i