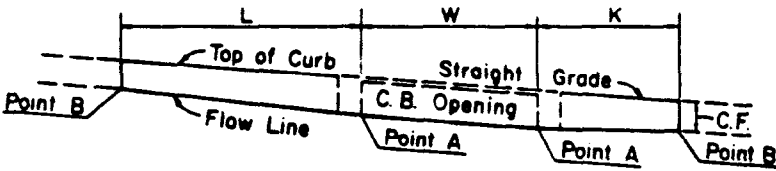
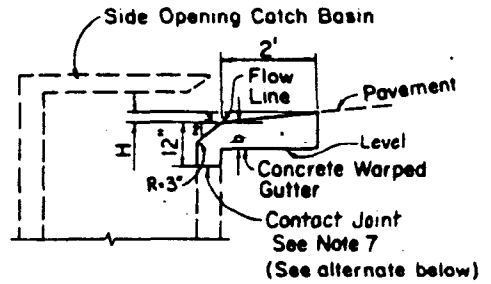


PLAN

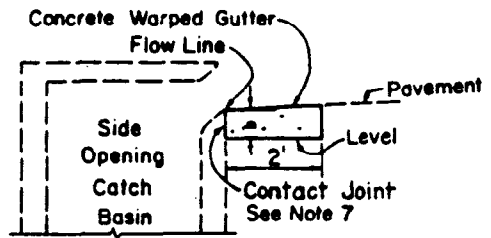


FLOW LINE PROFILE

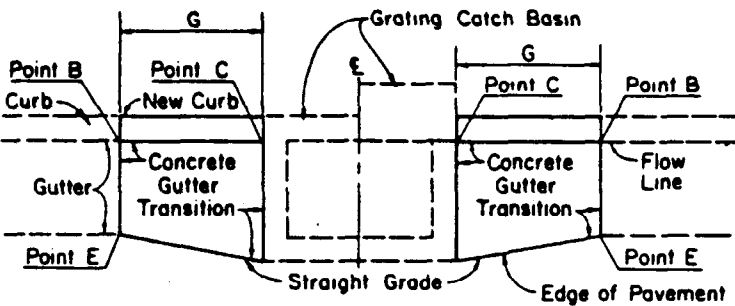
CASE I



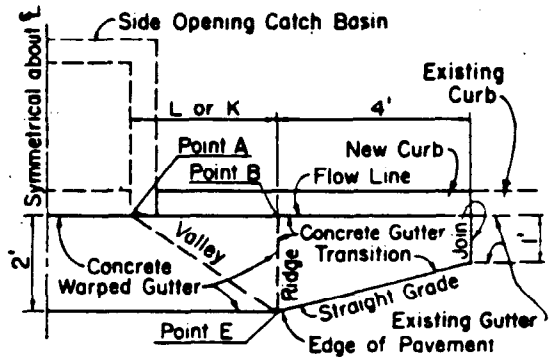
SECTION A-A



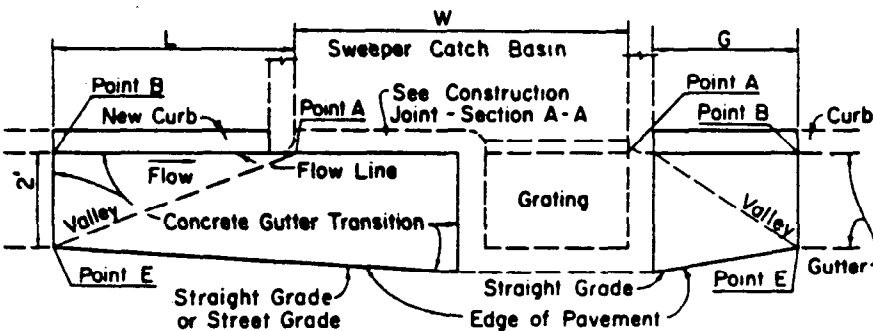
ALTERNATE CONTACT JOINT



CASE II



CASE IV



CASE III

BUREAU OF ENGINEERING DEPARTMENT OF PUBLIC WORKS CITY OF LOS ANGELES

WARPED GUTTER AT CATCH BASINS

STANDARD PLAN S-311-0

SUBMITTED August 1, 1972 <i>Clifford H. Albright</i> ENGINEER OF DESIGN	REVISIONS				SUPERSEDES	REFERENCES
	NO.	DATE	DESCRIPTION	ENG'R OF DESIGN		
APPROVED August 3, 1972 <i>Clifford H. Albright</i> CITY ENGINEER						
DESIGNED BY J.D.R.	CHECKED BY A.E.F.					

VAULT INDEX NUMBER B-3910  
SHEET 1 OF 2 SHEETS

## NOTES

1. WARPED GUTTERS AND GUTTER TRANSITIONS SHALL BE CONSTRUCTED OF CLASS 520-C-2500 PORTLAND CEMENT CONCRETE. WARPED GUTTERS CONSTRUCTED INTEGRAL WITH CONCRETE PAVEMENT SHALL BE THE SAME CLASS OF CONCRETE AS THE PAVEMENT.
2. DIMENSIONS: (UNLESS OTHERWISE SPECIFIED ON THE PLANS.)
  - A. L = 5 FEET UNLESS OTHERWISE SPECIFIED.
  - B. K = 3 FEET.
  - C. G = 3 FEET (G = 6 FEET WHEN JOINING EXISTING 1 FOOT GUTTER.)
  - D. GRADEBREAK AT POINT 'B' SHALL BE 6% OR LESS. L, K, AND G SHALL BE LENGTHENED TO MEET THIS REQUIREMENT.
  - E. GUTTER WIDTH 'B' - 'E' SHALL BE 2 FEET.
  - F. H = 2-1/2 INCHES.
  - G. W PER PLAN.
  - H. B = 8 INCHES.
3. CURB FACE DIMENSIONS: (UNLESS OTHERWISE SPECIFIED ON THE PLANS.)
  - A. POINT 'A' = 9 INCHES.
  - B. POINT 'B' IS EXISTING OR PROPOSED CURB FACE.
  - C. POINT 'C' IS EXISTING OR PROPOSED CURB FACE.
4. POINT 'E' SHALL BE 1-1/2 INCHES ABOVE POINT 'B', JOIN EXISTING PAVEMENT OR SPECIFIED ON THE PLANS.
5. THE CURB FACE BETWEEN SIDE-OPENING CATCH BASINS IN SERIES SHALL BE EQUAL TO THE CURB FACE AT POINT 'A'.
6. THE CURB FACE BETWEEN GRATING BASINS IN SERIES SHALL BE EQUAL TO THE CURB FACE AT POINT 'C'. THE EDGE OF GUTTER BETWEEN GRATING BASINS IN SERIES SHALL BE THE OUTER EDGE OF THE BASIN.
7. WARPED GUTTER AND/OR GUTTER TRANSITION SHALL BE POURED MONOLITHIC WITH THE CURB. SEE STANDARD PLAN S-410.
8. THE CONTACT JOINT SHOWN BETWEEN THE WARPED GUTTER AND THE FRONT WALL OF THE CATCH BASIN SHALL BE CONSTRUCTED, AT THE OPTION OF THE CONTRACTOR, WITH EITHER A 2 INCH BY 2 INCH CONTINUOUS KEYWAY OR NO. 4 DOWELS 12 INCHES LONG AND 18 INCHES ON CENTER.