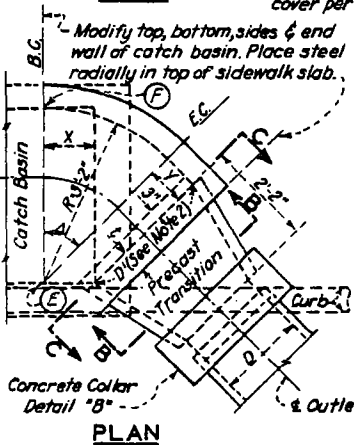
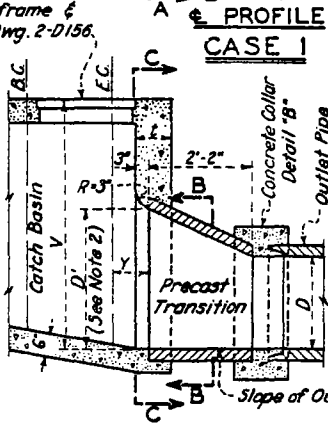


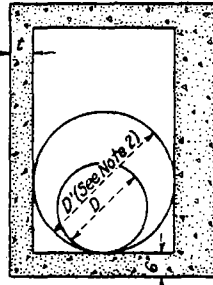
SECTION A-A



PLAN



PROFILE



SECTION C-C

TABLE A

D	Δ	X	Y
18"	30°	16"	13 1/2"
	45°	11 1/2"	8"
	60°	9 1/2"	4 1/2"
21"	30°	10"	8 1/2"
	45°	7 1/2"	5"
	60°	5 1/2"	2 1/2"
24"	30°	4"	3 1/2"
	45°	2 1/2"	2"
	60°	2 1/2"	1 1/2"
27"	30°	0	0
	45°	0	0
36"	30°	0	0
	45°	0	0

Values of X and Y calculated from the following formulas:

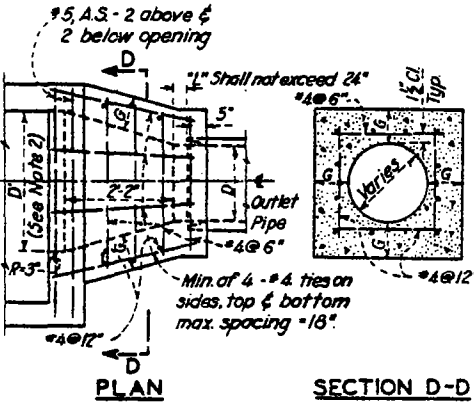
$$X = \frac{R-D'}{\sin \Delta}$$

$$Y = \frac{R-D'}{\tan \Delta}$$

CASE 2

NOTES

1. Transition may be either precast (Section B-B) or monolithic (Detail A) at contractor's option for either Case 1 or Case 2.
2. Dimensions: Catch Basin wall and slab thickness, V depth and reinforcement shall be as shown on the catch basin standard drawings or on the project drawings.
- The transition diameter shall vary uniformly from D to D'. D' shall be equal to D+12" but shall not exceed a maximum of 3'-2" unless otherwise shown on the project drawings.
- Δ may be any value 90° or less, and shall be shown on the project drawings. Where Δ or R differs from the values shown in Table A, values of X and Y as calculated from the formulas under Table A shall be shown on the project drawings.
3. Precast transition shall be reinforced for 1250-D for D+12" concrete pipe.
4. Concrete collar (Detail "B") shall be used only to join the precast transition with the outlet pipe.
5. f_c = 3000 p.s.i. at 28 days.
6. Floor of basin shall be troweled to a hard, smooth surface and shall slope from all directions to the outlet.
7. Manhole shall be placed along back wall near outlet (See Dwg. No. 2-D157).
8. Curvature of the rounded edges of the outlet and sidewalls shall be formed by curved forms and shall not be made by plastering.
9. Surface of all exposed concrete shall conform in slope, grade, color, finish and scarring to existing or proposed curb and walk adjacent to the basin.
10. Outlet pipe shall be trimmed to final shape and length before concrete is poured.
11. Transition structure (Case 2) may be constructed in any direction by rotating it about either points "E" or "F".



PLAN

SECTION D-D

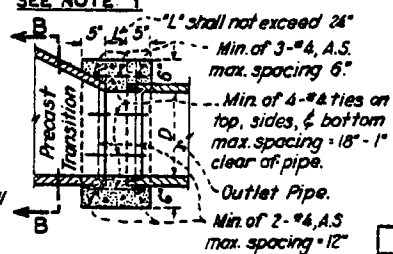
TABLE B

D	G
18"	6"
21"	6 1/2"
24"	6 1/2"
27"	7"
30"	7 1/2"
33"	7 1/2"
36"	8"

DETAIL A
MONOLITHIC TRANSITION
SEE NOTE 1



SECTION B-B



DETAIL B
SQUARE CONCRETE COLLAR

REVISIONS		
MARK	DATE	DESCRIPTION

LOS ANGELES COUNTY
FLOOD CONTROL DISTRICT

**CATCH BASIN OUTLET
TRANSITION STRUCTURE**

PLAN, SECTIONS AND DETAILS

DRAWN BY: B.C.E.	DESIGNED BY: S.W.	APPROVED BY: <i>[Signature]</i> CHIEF ENGINEER
TRACED BY: B.E.J.	SUBMITTED BY: D.M.M.	
CHECKED BY: C.W.H.	RECORDED BY: <i>[Signature]</i>	SCALE: NONE
DIVISION ENGINEER DESIGN		DATE: JULY 1958
		SHEET NO. 2-D256
		1 OF 1