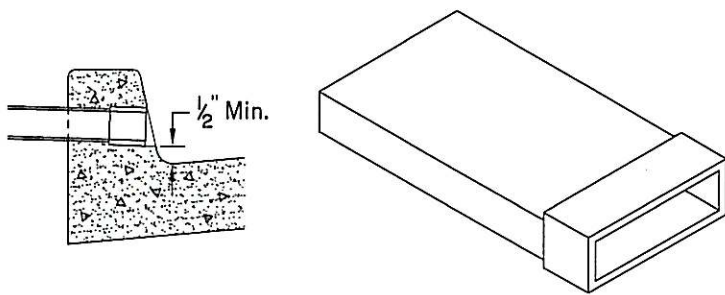


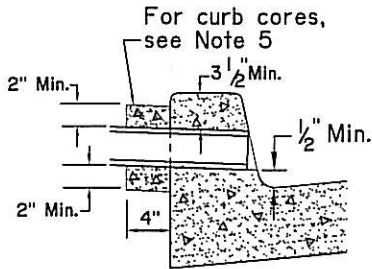
## TYPE 1 - Rectangular Conduit



SIZE	OUTSIDE DIMENSION	INSIDE DIMENSION	ROUND PIPE EQUIVALENT
#1	5 1/2" x 3 3/4"	5" x 3"	4"
#2	8 1/2" x 4 1/4"	8" x 3 1/2"	6"
#3	15 7/8" x 4 1/2"	15 1/8" x 3 1/2"	8"

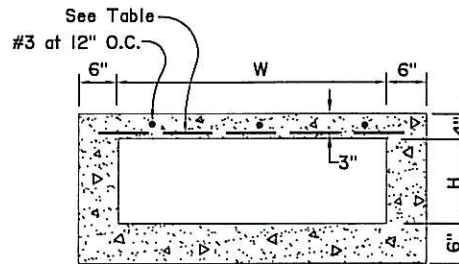
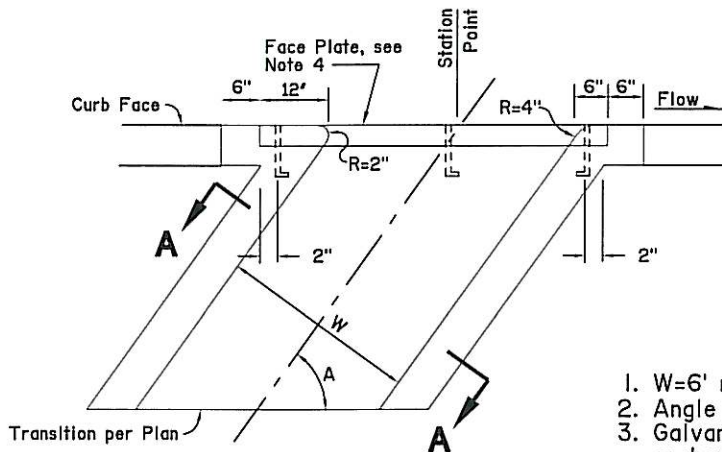
See notes under Type 3 for concrete and installation requirements.

## TYPE 2 - Circular Conduit



1. Drain pipe shall be 4" max. inside diameter cast iron pipe, P.V.C. schedule 40, or A.B.S. equivalent, laid at 1/4" per foot slope through curb, sidewalk, and parkway area.
2. Sidewalk shall be saw cut along nearest score lines on each side of pipe to a minimum depth of 2" and removed. Curb and Gutter shall be saw cut and removed a minimum of 4' on each side of the pipe.
3. Curb and sidewalk shall be rebuilt per Standard Drawing I20 and I22, and shall conform to original finish and color.
4. As an option to removal, existing curb may be core drilled and sidewalk may be jack bored or tunneled under where allowed by the Director of Engineering.
5. Where no sidewalk exists directly behind the curb and the drain is installed through a curb core, the pipe shall have a 2" min. encasement extending 4" behind the back of curb. The encasement shall not extend above the top of the curb.

## TYPE 3 - Reinforced Concrete Rectangular Box



**SECTION A-A**

WIDTH	SIZE	SPACING	LENGTH
2'-6"	#3	10"	3'-4"
3'-0"	#3	10"	3'-10"
3'-6"	#3	10"	4'-4"
4'-0"	#3	9"	4'-10"
4'-6"	#3	7"	5'-4"
5'-0"	#3	5"	5'-10"
5'-6"	#3	4 1/2"	6'-4"
6'-0"	#3	4"	6'-10"

1. W=6' maximum. For wider openings, special design required.
2. Angle A = 75° Max., 40° Min.
3. Galvanized steel face angle: 3 1/2" x 3 1/2" x 3/8", with anchors. Batter 4:12.
4. H=4" min. When H is greater than 4", the curb face on either side of box shall transition from normal curb height at box at 1/2" per foot.
5. Top of box to be finished and scored to match adjacent sidewalk.
6. Reinforcing steel shall have a covering of at least one inch of concrete at all points.
7. Lap all steel splices twenty diameters.
8. Floor of boxes to be troweled smooth.
9. Concrete Class = 560-C-3250, 1" rock, 4" max. slump.
10. All curb drains must be designed to prevent discharge from flowing beyond the lip of the gutter onto street pavement.

REVISED DATE <u>4/28/09</u>	<b>CITY OF FULLERTON</b> <b>ENGINEERING DEPARTMENT</b>	DRAWN <u>PLS.</u> DATE <u>8/1/95</u>
<h1 style="margin: 0;">STANDARD CURB DRAINS</h1>		<b>STD. NO.</b>  <h1 style="margin: 0;">127</h1>
APPROVED <u><i>[Signature]</i></u> DIRECTOR OF ENGINEERING		DATE <u>5-12-09</u>