1. WHERE THE BASIN IS TO BE CONSTRUCTED WITHIN THE LIMITS OF EXISTING OR PROPOSED SIDEWALK OR IS CONTIGUOUS TO SUCH SIDEWALK, THE TOP SLAB OF THE BASIN MAY BE POURED EITHER MONOLITHIC WITH SIDEWALK OR SEPARATELY, USING THE SAME CLASS OF CONCRETE AS IN THE BASIN WHOSE POUR MONOLITHICALLY. THE SIDEWALK SHALL BE PROVIDED WITH A WEAKENED PLANE OR A 1-INCH DEEP SAUCUIT CONTINUOUSLY AROUND THE EXTERNAL PERIMETER OF THE CATCH BASIN WALLS, INCLUDING ACROSS THE FULL WIDTH OF THE SIDEWALK. SURFACE OF ALL EXPOSED CONCRETE SHALL CONFORM IN SLOPE, GRADE, COLOR, FINISH, AND SCORING TO EXISTING OR PROPOSED CURB AND WALL ADJACENT TO THE BASIN.

2. ALL CURVED CONCRETE SURFACE SHALL BE FORMED BY CURVED FORMS, AND SHALL NOT BE SHAPED BY PLASTERING.

3. ONE GRATING IS REQUIRED UNLESS OTHERWISE SHOWN ON THE PROJECT PLAN.

4. FLOOR OF BASIN SHALL BE GIVEN A STEEL TROWEL FINISH AND SHALL HAVE A LONGITUDINAL AND LATERAL SLOPE OF 1:12 MINIMUM AND 1:3 MAXIMUM, EXCEPT WHERE THE GUTTER GRADE EXCEEDS 8 PERCENT, IN WHICH CASE THE LONGITUDINAL SLOPE OF FLOOR SHALL BE THE SAME AS THE GUTTER GRADE. SLOPE FLOOR FROM ALL DIRECTIONS TO THE OUTLET.

5. DIMENSIONS:
   \[ V = \text{THE DIFFERENCE IN ELEVATION FROM THE TOP OF THE CURB AND THE INVERT OF THE CATCH BASIN AT THE OUTLET} \]
   \[ V_1 = \text{THE DIFFERENCE IN ELEVATION BETWEEN THE TOP OF THE CURB AND THE INVERT OF THE INLET.} \]
   \[ H = \text{NOTED ON THE PROJECT PLANS.} \]
   \[ W = 2 \text{ FEET 11}-\frac{3}{8} \text{ INCHES FOR ONE GRATING; ADD 3 FEET 5}-\frac{3}{8} \text{ INCHES FOR EACH ADDITIONAL GRATING.} \]
   \[ A = \text{THE ANGLE, IN DEGREES, INTERCEPTED BY THE CENTERLINE OF THE CONNECTOR PIPE AND THE CATCH BASIN WALL TO WHICH THE CONNECTOR PIPE IS ATTACHED.} \]


8. DOWELS ARE REQUIRED AT EACH CORNER AND AT 7 FEET ON CENTER (MAXIMUM) ALONG THE BACKWALL.

9. FOR GENERAL NOTES AND LOCAL DEPRESSION SEE STD-304-L.

ADOPTED FROM AMERICAN PUBLIC WORKS ASSOCIATION STANDARD PLAN 302-1

CITY OF NEWPORT BEACH
PUBLIC WORKS DEPARTMENT
CURB OPENING CATCH BASIN WITH GRATING(S)

APPROVED
DIRECTOR OF PUBLIC WORKS
R.C.E. NO. 246
DATE 27/Sep 1989
SCALE N.T.S.
DRAWN MG
STD-321-L-B