



APPROVED *Robert C. Walker* DATE *11/9/32*  
 PUBLIC WORKS DIRECTOR - R.C.E. 18793

△	Added slope to grate support	<i>11/23/32</i>

CITY OF RIVERSIDE  
 PUBLIC WORKS DEPT. - ENGINEERING DIV.

CATCH BASIN

STANDARD DRAWING NO.

**408**

Sheet 1 of 2

**Notes:**

1. CONCRETE shall be 560-C-3250 Portland Cement Concrete.
2. BASIN shall have one grating unless otherwise specified on plans.
3. CURVATURE of the end-walls at the curb opening shall be formed by curved forms and shall not be made by plastering.
4. DIMENSIONS:  
 t=6" if V is 4' or less  
 t=8" if V is between 4' and 8'  
 t=10" if V is 8' or more  
 V shall be as specified on plans  
 W=2'11 3/8" for one grating. Add 3'-5 3/8" per additional grating
5. PIPES shall be trimmed to the final shape and length before concrete is poured.
6. CHANNEL shall be constructed in catch basins having inlet pipes. Where V minus shelf height is less than 2½' the channel may be omitted. See Standard Drawing No. 405 for channel detail.
7. SURFACE of all exposed concrete in basin shall conform in slope, grade, color, finish and scoring to existing or proposed curb and walk adjacent to the basin and shall be free from protruding wires and nails. Floor of channel shall be given a steel-trowled finish.
8. FRAME shall be Alhambra Foundry A-1540 or equal approved by city; grate shall be A-1546 or equal approved by city.
9. TOP OF BASIN shall slope 2% toward curb except when otherwise shown on the plan or to fit existing sidewalk. To be poured monolithic with sidewalk if curb sidewalk is used.
10. STEP SPACING:  
 If V is 3½' or less, no steps are required  
 If V is more than 3½' and not more than 4', install one step 12" above the floor  
 If V is more than 4', install steps 12" apart with the top step 20" to 24" below the top surface of the basin  
 When the basin has a channel use V minus shelf height to determine step spacing.
11. CENTER SUPPORT ASSEMBLY shall be used when two or more gratings are specified.
12. ½" MACHINE BOLTS shall be used to join two or more frames together and to the H beam.
13. METAL PARTS shall be structural grade steel and all exposed metal parts shall be galvanized.
14. ½" x 8" BOLTS with square heads and nuts shall be placed at outside corners of basin.

APPROVED <i>[Signature]</i> DATE <i>11/19/82</i> PUBLIC WORKS DIRECTOR - R.C.E. 18793	<b>CITY OF RIVERSIDE</b> PUBLIC WORKS DEPT. - ENGINEERING DIV.																				
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