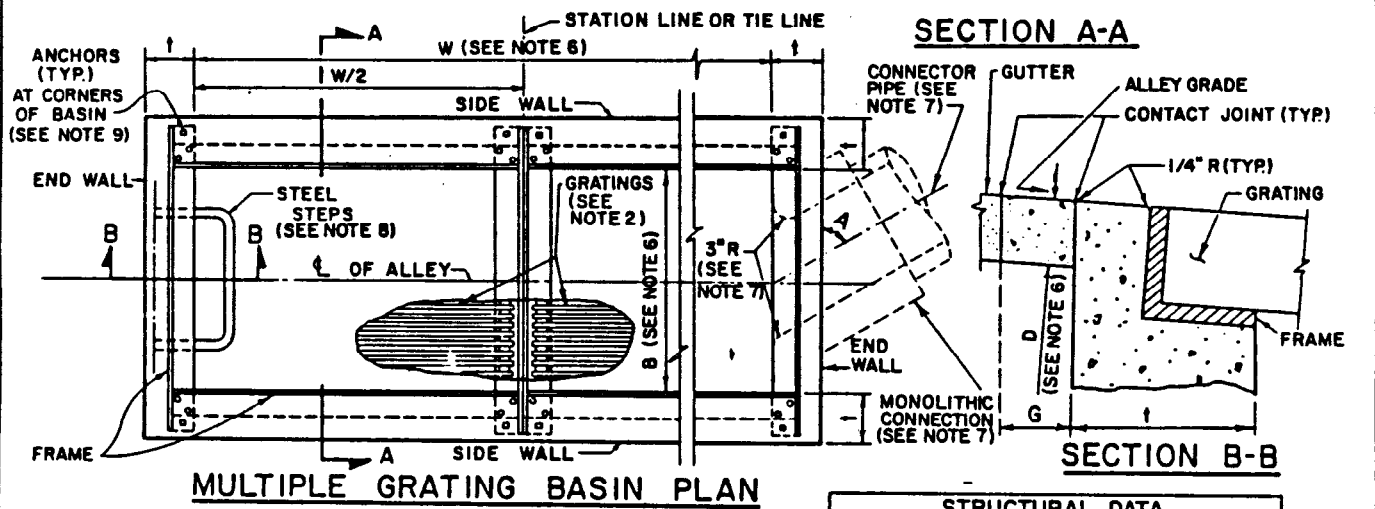
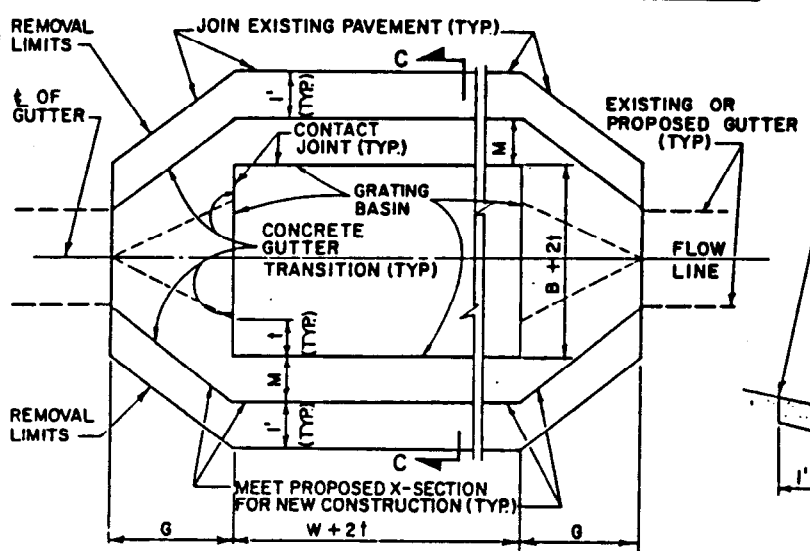


**SINGLE GRATING BASIN PLAN**



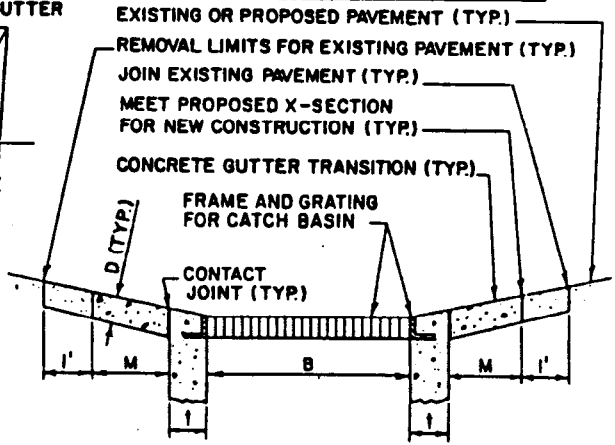
**MULTIPLE GRATING BASIN PLAN**



**GUTTER TRANSITION AND PAVEMENT REMODELING**  
(SEE NOTES 2, 3, 6, 10 & 12)

STRUCTURAL DATA			
MAX. "W"	MAX. "V"	↑	REINF.
7'	6'	6"	NONE
7'	12'	8"	NONE

FOR "W" > 7' OR "V" > 12' SEE PROJECT PLANS



**SECTION C-C**  
(SEE NOTES 2, 3, 6, 10 & 12)

DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

CITY OF LOS ANGELES

**ALLEY GRATING BASIN**

**STANDARD PLAN  
S-355-0**

SUBMITTED JUNE 19, 1979  
*Clifford M. Allright*  
 ENGINEER OF DESIGN  
*Robert S. Dean*  
 DEPUTY ENGINEER  
 APPROVED JUNE 22, 1979  
*Ernest A. Thomas*  
 CITY ENGINEER  
 DESIGNED BY \_\_\_\_\_ DRAWN BY \_\_\_\_\_ CHECKED BY \_\_\_\_\_

REVISIONS					SUPERSEDES	REFERENCES
NO	DATE	DESCRIPTION	ENGR OF DESIGN	CITY ENGR.		
					B-2034	S-331 S-342 S-348

VAULT INDEX NUMBER B-3976

NOTES FOR ALLEY GRATING BASIN

1. THE BASIN SHALL BE CONSTRUCTED WITH ONE GRATING UNLESS OTHERWISE INDICATED ON THE PROJECT PLANS.
2. INSTALL FRAME AND GRATING AT THE GRADE OF THE GUTTER. FRAMES AND GRATINGS SHALL CONFORM TO STANDARD PLAN S-342. WHEN MORE THAN ONE GRATING IS SPECIFIED ON THE PROJECT PLANS, INSTALL A CENTER SUPPORT ASSEMBLY CONFORMING TO STANDARD PLAN S-342 BETWEEN ADJACENT FRAMES.
3. CONCRETE SHALL BE THE CLASS SPECIFIED IN SECTION 201 OF THE STANDARD SPECIFICATIONS. SURFACE OF ALL EXPOSED CONCRETE SHALL CONFORM IN SLOPE, GRADE, COLOR, AND FINISH TO ANY EXISTING OR PROPOSED CONCRETE ADJACENT TO THE BASIN.
4. ALL CURVED CONCRETE SURFACES SHALL BE FORMED BY CURVED FORMS AND SHALL NOT BE SHAPED BY PLASTERING.
5. THE FLOOR OF THE BASIN SHALL BE GIVEN A STEEL TROWEL FINISH AND SHALL HAVE A LONGITUDINAL AND LATERAL SLOPE OF 1:12, EXCEPT WHERE THE ALLEY GRADE EXCEEDS 8 PERCENT, IN WHICH CASE THE LONGITUDINAL SLOPE OF THE FLOOR SHALL BE THE SAME AS THE ALLEY GRADE. SLOPE FLOOR FROM ALL DIRECTIONS TO THE OUTLET.
6. DIMENSIONS:
  - W = 2 FEET 11-3/8 INCHES FOR ONE GRATING. ADD 3 FEET 5-3/8 INCHES FOR EACH ADDITIONAL GRATING.
  - B = 2 FEET 1-1/2 INCHES
  - V = 4.5 FEET. WHERE CATCH BASINS ARE IN SERIES, "V<sub>0</sub>" SHALL BE THE DEPTH TO THE INVERT OF THE INLET PIPE, AND "V" SHALL BE THE DEPTH TO THE INVERT OF THE OUTLET PIPE.
  - M = 1 FOOT
  - G = 3 FEET
  - D = 8 INCHES
  - I - SEE STRUCTURAL DATA HEREON.
  - A = THE ANGLE, IN DEGREES, INTERCEPTED BY THE CENTERLINE OF THE CONNECTOR PIPE AND THE CATCH BASIN WALL TO WHICH THE CONNECTOR PIPE IS ATTACHED.
7. PLACE CONNECTOR PIPES AS INDICATED ON THE PROJECT PLANS. UNLESS OTHERWISE DETAILED ON THE PROJECT PLANS, A CONNECTOR PIPE CENTERLINE SHALL INTERSECT THE MID POINT OF THE INSIDE FACE OF THE INDICATED CATCH BASIN WALL, OR IF INDICATED AT A CORNER, IT SHALL INTERSECT THE INSIDE CORNER. THE PIPE MAY BE CUT AND TRIMMED AT A SKEW NECESSARY TO INSURE MINIMUM 3 INCH PIPE EMBEDMENT, ALL AROUND, WITHIN THE CATCH BASIN WALL, AND 3 INCH RADIUS OF ROUNDING OF STRUCTURE CONCRETE, ALL AROUND, ADJACENT TO PIPE ENDS. A MONOLITHIC CONNECTION PER STANDARD PLAN S-331 SHALL BE USED TO JOIN THE CONNECTOR PIPE TO THE CATCH BASIN WHENEVER ANGLE "A" IS LESS THAN 70 DEGREES OR GREATER THAN 110 DEGREES, OR WHENEVER THE CONNECTOR PIPE IS LOCATED IN A CORNER. THE OPTIONAL USE OF A MONOLITHIC CONNECTION IN ANY CASE IS PERMITTED. MONOLITHIC CONNECTIONS MAY BE EXTENDED UP TO 4 FEET IN LENGTH TO AVOID CUTTING STANDARD LENGTHS OF PIPE. CONNECTOR PIPE MAY NOT BE CUT FOR ANY REASON EXCEPT TO AVOID CONSTRUCTION OF A MONOLITHIC CONNECTION.
8. STEPS SHALL CONFORM TO STANDARD PLAN S-348.
9. ANCHORS SHALL CONFORM TO STANDARD PLAN S-342, AND SHALL BE INSTALLED AS SHOWN HEREON.
10. CONSTRUCT CONCRETE GUTTER TRANSITIONS AS SHOWN HEREON.
11. ALL CONSTRUCTION JOINTS SHALL HAVE ROUGH SURFACES. (SEE SECTION 303-1.8.6 OF THE STANDARD SPECIFICATIONS.)
12. REMOVE EXISTING PAYEMENT WITHIN REMOVAL LIMITS SHOWN HEREON AND RECONSTRUCT IN CONFORMANCE WITH SECTION 306-1.5 OF THE STANDARD SPECIFICATIONS.