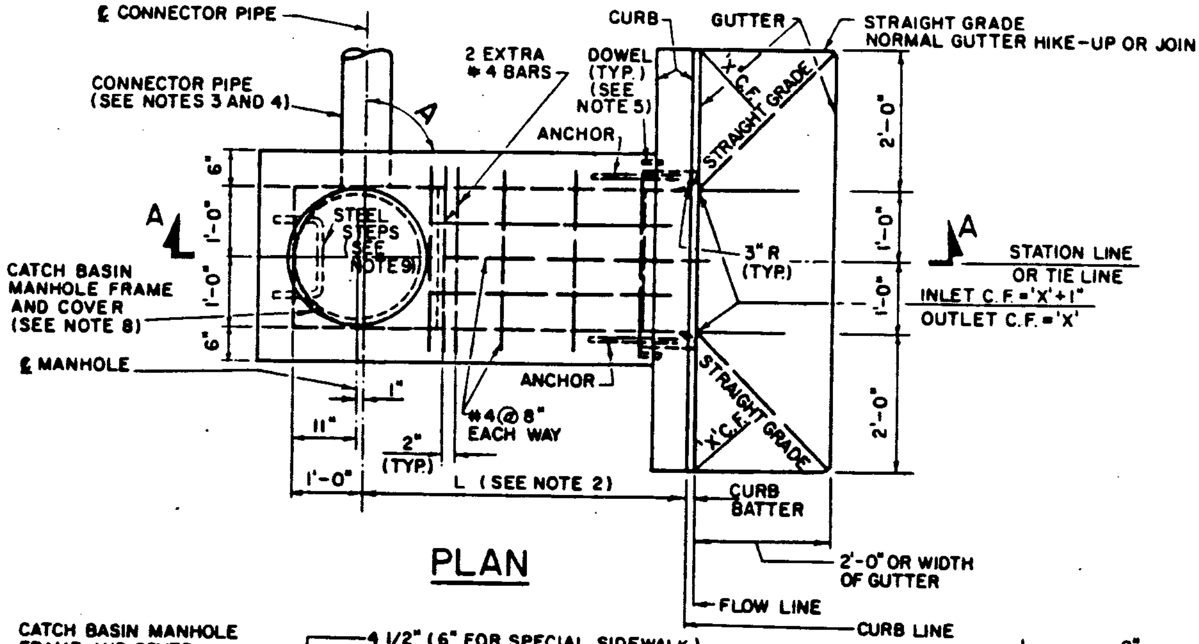
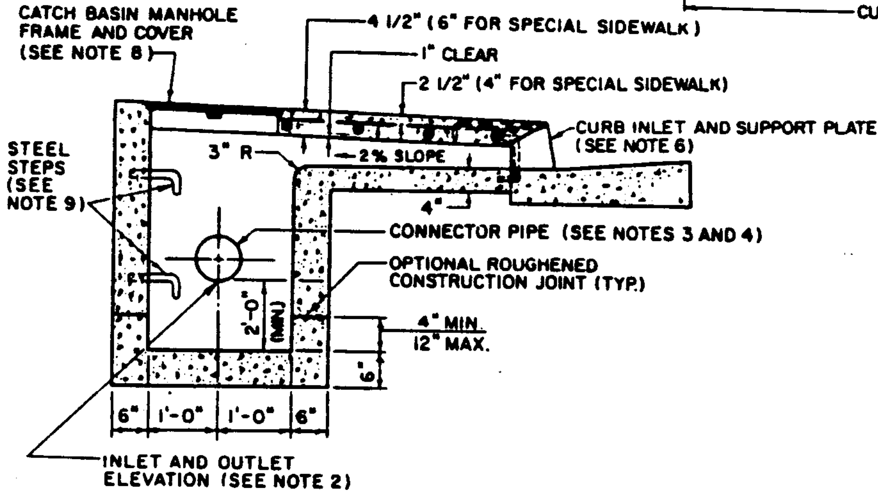
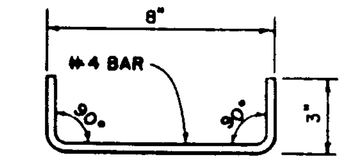


PLAN



SECTION A-A



DOWEL DETAIL

DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING — CITY OF LOS ANGELES

LOW FLOW INLET AND OUTLET STRUCTURE

STANDARD PLAN **S-323-1**

SUBMITTED ____ 1984
ENGINEER OF DESIGN
DEPUTY ENGINEER
APPROVED Sept 17 198_
CITY ENGINEER

DESIGNED BY	DRAWN BY	CHECKED BY
LIE	RGM	LJM

REVISIONS

NO	DATE	DESCRIPTION	ENG'R OF DESIGN	CITY ENG'R
1	4-1-84	DELETED ACP AS A PERMISSABLE PIPE MATERIAL IN NOTE 4.		

SUPERSEDES	REFERENCES
D-22470 B-4017	S-331 S-340 S-345 S-346 S-348 S-349 S-351

VAULT INDEX NUMBER B-4072

SHEET 1 OF 2 SHEETS

NOTES

1. EXCEPT AS OTHERWISE INDICATED HEREON, THIS STRUCTURE SHALL CONFORM TO STANDARD PLAN S-351, SIDE OPENING CATCH BASIN. CONCRETE SHALL BE THE CLASS SPECIFIED FOR CATCH BASIN IN SECTION 201 OF THE STANDARD SPECIFICATIONS, EXCEPT, WHERE THE STRUCTURE IS TO BE CONSTRUCTED WITHIN THE LIMITS OF A PROPOSED SIDEWALK OR IS CONTIGUOUS TO SUCH A SIDEWALK, THE TOP SLAB OF THE STRUCTURE SHALL BE POURED MONOLITHIC WITH THE SIDEWALK, USING THE SAME CLASS OF CONCRETE AS FOR THE SIDEWALK. THE SIDEWALK SHALL BE PROVIDED WITH A WEAKENED PLANE OR A ONE-INCH DEEP SAWCUT CONTINUOUSLY AROUND THE EXTERNAL PERIMETER OF THE STRUCTURE WALLS, INCLUDING ACROSS THE FULL WIDTH OF THE SIDEWALK. THE SURFACE OF ALL EXPOSED CONCRETE SHALL CONFORM IN SLOPE, GRADE, COLOR, FINISH, AND SCORING TO EXISTING OR PROPOSED CURB, GUTTER AND WALK ADJACENT TO THE STRUCTURE. CURVATURE OF CONCRETE SURFACE SHALL BE SHAPED BY CURVED FORMS AND SHALL NOT BE SHAPED BY PLASTERING. FLOOR OF STRUCTURE SHALL BE GIVEN A STEEL TROWELED FINISH.

2. DIMENSIONS
   INLET & OUTLET ELEVATION - SEE PROJECT PLAN.
   L - SEE PROJECT PLAN.
   X - SEE PROJECT PLAN.
   A - THE ANGLE, IN DEGREES, INTERCEPTED BY THE CENTERLINE OF THE CONNECTOR PIPE WITH THE STRUCTURE WALL TO WHICH THE CONNECTOR PIPE IS ATTACHED.

3. PLACE CONNECTOR PIPE CONSISTENT WITH THE PROJECT PLANS. A MONOLITHIC CONNECTION PER STANDARD PLAN S-331 SHALL BE USED TO JOIN THE CONNECTOR PIPE TO THE STRUCTURE 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 OTHER CASE IS PERMITTED. MONOLITHIC CONNECTIONS MAY BE EXTENDED UP TO 4 FEET IN LENGTH TO AVOID CUTTING STANDARD LENGTHS OF PIPE. WHERE MONOLITHIC CONNECTIONS ARE NOT USED, THE PIPE SHALL BE CUT AND TRIMMED AT A SKEW NECESSARY TO INSURE MINIMUM 3-INCH PIPE EMBEDMENT WITHIN THE STRUCTURE WALL, AND 3-INCH RADIUS OF ROUNDING OF STRUCTURE CONCRETE ADJACENT TO PIPE ENDS. WHEN CONNECTOR PIPE IS LESS THAN 12-INCH, USE STRUCTURAL DATA FOR 12-INCH PIPE.

1 4. UNLESS OTHERWISE INDICATED ON THE PROJECT PLANS, CONNECTOR PIPE SHALL BE 10" I.D. AND SHALL BE ANY OF THE FOLLOWING:

TYPE/MATERIAL	STRUCTURAL CLASS	STANDARD SPECIFICATION SECTION
NONREINFORCED CONCRETE	EXTRA STRENGTH	207-1
REINFORCED CONCRETE	2000-D	207-2
VCP	---	207-8
CAST IRON	---	207-9
DUCTILE IRON	---	207-9
CORRUGATED STEEL	0.064" THICK	207-11

5. DOWELS SHALL BE REQUIRED AT EACH CORNER WHEN THE TOP SLAB IS POURED SEPARATELY. WHEN TOP SLAB IS POURED MONOLITHIC WITH ADJACENT SIDEWALK, THE DOWELS MAY BE OMITTED.

6. INSTALL CURB INLET, SUPPORT PLATE AND ANCHORS CONFORMING TO STANDARD PLAN NUMBER S-340.

7. INSTALL PROTECTION BAR AND SUPPORTS CONFORMING TO STANDARD PLANS NUMBERS S-340 AND S-349.

8. INSTALL CATCH BASIN MANHOLE FRAME AND COVER CONFORMING TO STANDARD PLAN S-346 EXCEPT WHERE THE TOP SLAB INDICATES SPECIAL SIDEWALK, IN WHICH CASE CATCH BASIN SQUARE MANHOLE FRAME AND PAN COVER CONFORMING TO STANDARD PLAN S-345 SHALL BE INSTALLED. THE FRAME AND COVER SHALL BE INSTALLED AS SHOWN HEREON, AND IN SUCH MANNER THAT THE INSIDE FACE OF THE FRAME SHALL BE IN FLUSH WITH THE INSIDE OF THE BACK WALL OF THE STRUCTURE.

9. INSTALL STEPS CONFORMING TO STANDARD PLAN NUMBER S-348 DIRECTLY BELOW THE MANHOLE FRAME AND COVER.

10. ALL COLD CONSTRUCTION JOINTS SHALL HAVE ROUGH SURFACES.