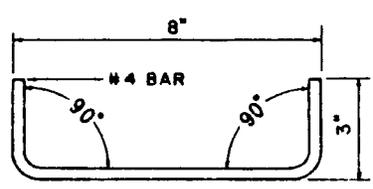
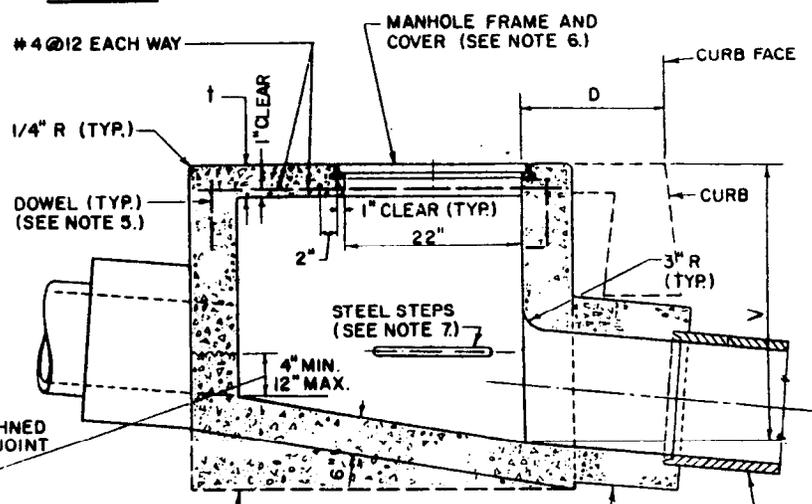


PLAN



DOWEL DETAIL



SECTION C-C

DEPARTMENT OF PUBLIC WORKS

BUREAU OF ENGINEERING

CITY OF LOS ANGELES

JUNCTION STRUCTURE "A"

STANDARD PLAN
S-300-1

SUBMITTED - 1981	REVISIONS				SUPERSEDES	REFERENCES
	NO	DATE	DESCRIPTION	ENGR OF DESIGN		
<i>Robert E. Smith</i> ENGINEER OF DESIGN					B-2869	S-331 S-345 S-346 S-348
<i>Robert E. Smith</i> DEPUTY ENGINEER	10-1-81		REDEFINE "B", CHANGE THICKNESS TO "F"	<i>Robert E. Smith</i>	B-4009	
APPROVED - 1981						
<i>Donald C. Callahan</i> CITY ENGINEER						
DESIGNED BY	DRAWN BY	CHECKED BY				VAULT INDEX NUMBER B-4024
LIE	RGM	LJM				SHEET 1 OF 2 SHEETS

NOTES

1. CONCRETE SHALL BE CLASS 560-C-3250 PER SECTION 201 OF THE STANDARD SPECIFICATIONS. WHERE THE JUNCTION STRUCTURE IS TO BE CONSTRUCTED WITHIN THE LIMITS OF OR IS CONTIGUOUS TO A PROPOSED SIDEWALK, THE TOP SLAB OF THE JUNCTION STRUCTURE SHALL BE PLACED MONOLITHIC WITH THE SIDEWALK, AND THE SIDEWALK SHALL BE PROVIDED WITH A WEAKENED PLANE OR A CONTINUOUS 1-INCH DEEP SAW CUT AROUND THE EXTERNAL PERIMETER OF THE JUNCTION 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 SIDEWALK ADJACENT TO THE JUNCTION STRUCTURE.
2. ALL CURVED CONCRETE SURFACES SHALL BE FORMED BY CURVED FORMS, AND SHALL NOT BE SHAPED BY PLASTERING.
3. THE FLOOR OF THE JUNCTION STRUCTURE SHALL BE GIVEN A STEEL TROWEL FINISH AND SHALL HAVE A SLOPE OF 1:12 IN EACH DIRECTION AND SLOPED TO THE OUTLET.
4. CONNECTOR PIPES SHALL BE PLACED AS INDICATED ON THE PROJECT PLANS. THE CONNECTOR PIPE CENTER LINE SHALL INTERSECT THE MIDPOINT OF THE INSIDE FACE OF THE INDICATED JUNCTION STRUCTURE WALL, OR IF INDICATED AT A CORNER, IT SHALL INTERSECT THE INSIDE CORNER. PIPE MAY BE CUT AND TRIMMED AT A SKEW NECESSARY TO INSURE MINIMUM 3-INCH EMBEDMENT, ALL AROUND, WITHIN THE JUNCTION STRUCTURE WALLS, 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 JUNCTION STRUCTURE WHENEVER ANGLE "A" IS LESS THAN 70 DEGREES OR GREATER THAN 110 DEGREES, OR WHENEVER THE CONNECTOR PIPE IS LOCATED AT 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.
5. DOWELS SHALL BE REQUIRED AT EACH CORNER WHEN THE TOP SLAB IS NOT PLACED MONOLITHICALLY WITH A SIDEWALK. WHEN THE TOP SLAB IS PLACED MONOLITHIC WITH ADJACENT SIDEWALK, THE DOWELS MAY BE OMITTED.
6. THE MANHOLE FRAME AND COVER SHALL CONFORM TO STANDARD PLAN S-346, EXCEPT THAT, WHERE THE PROJECT PLANS INDICATE SPECIAL SIDEWALK, SQUARE MANHOLE FRAME AND PAN COVER AND IDENTIFICATION PLATE CONFORMING TO STANDARD PLAN S-345 SHALL BE INSTALLED. THE FRAME AND COVER SHALL BE INSTALLED IN A CORNER AS SHOWN HEREFON, AND IN SUCH A MANNER THAT THE INSIDE OF THE FRAME SHALL BE FLUSH WITH THE INSIDE OF TWO WALLS, ONE OF WHICH SHALL CONTAIN THE OUTLET PIPE CONNECTION.
7. STEPS SHALL CONFORM TO STANDARD PLAN S-348 AND SHALL BE DIRECTLY BELOW THE MANHOLE FRAME AND COVER.
8. THE INTERSECTION OF THE CENTER LINES OF THE STRUCTURE SHALL BE CONSTRUCTED AT THE LOCATION INDICATED ON THE PROJECT PLANS. WHEN THE STRUCTURE IS CONSTRUCTED ADJACENT TO A CURB ON A CURVE, ONE OF THE STRUCTURE CENTER LINES SHALL BE RADIAL TO THE CURVE.
9. DIMENSIONS:
 - B = 3'-0", L = 3'-0"
 - F = 6"
 - V = 3'-6"
 - D = 1'-6"
 - A = THE ANGLE, IN DEGREES, FORMED BY THE CENTER LINE OF THE CONNECTOR PIPE AND THE JUNCTION STRUCTURE WALL TO WHICH THE CONNECTOR PIPE IS ATTACHED. (SEE PROJECT PLANS.)
 - t = 4-1/2" FOR STANDARD SIDEWALK, AND 6" FOR SPECIAL SIDEWALK. (SEE PROJECT PLANS.)