



STRUCTURAL DATA		
W	A-BARS	B-BARS
2'-0"	#4 @ 8"	#4 @ 6"
2'-6"		#4 @ 6"
3'-0"		#4 @ 5"
3'-6"		#4 @ 5"
4'-0"	#4 @ 8"	#4 @ 4"

BUREAU OF ENGINEERING		DEPARTMENT OF PUBLIC WORKS				CITY OF LOS ANGELES	
SIDEWALK OUTLET STRUCTURE					STANDARD PLAN S-320-0		
SUBMITTED <i>Nov 10</i> 1984 <i>Robert S. Davis</i> ENGINEER OF DESIGN APPROVED <i>Nov 16</i> 1984 <i>Donald H. Mast</i> CITY ENGINEER		REVISIONS				SUPERSEDES	REFERENCES
NO.	DATE	DESCRIPTION	ENGR OF DESIGN	CITY ENGR	B-2584	S-331 S-340 S-345 S-346	
DESIGNED BY	DRAWN BY	CHECKED BY			VAULT INDEX NUMBER B-4028		
LIE	RGM	LJM			SHEET 1 OF 2 SHEETS		

## NOTES

1. CONCRETE SHALL BE THE CLASS SPECIFIED IN SECTION 201 OF THE STANDARD SPECIFICATIONS FOR CATCH BASINS 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 IN THE SIDEWALK.
2. THE SURFACE OF ALL EXPOSED CONCRETE SHALL CONFORM IN SLOPE, GRADE, FINISH, AND SCORING TO EXISTING OR PROPOSED CURB, GUTTER AND WALK ADJACENT TO THE STRUCTURE.
3. CURVATURE OF CONCRETE SURFACE SHALL BE SHAPED BY CURVED FORMS AND SHALL NOT BE SHAPED BY PLASTERING.
4. THE INVERT OF THE STRUCTURE SHALL BE GIVEN A STEEL TROWELED FINISH AND CONSTRUCTED ON A STRAIGHT GRADE FROM POINT C' TO POINT A'. THE V-SECTION OF THE INVERT SHALL EXTEND FROM POINT C' TO A POINT THREE FEET FROM POINT A'. WARP THE INVERT FROM THE END OF THE V-SECTION TO JOIN THE GUTTER FLOW LINE AT POINT A'. THE SLOPE BETWEEN POINT A' AND POINT C' SHALL BE CONSTANT. THE SOFFIT OF THE STRUCTURE SHALL BE FREE OF CORRUGATIONS.
5. DIMENSIONS (UNLESS OTHERWISE INDICATED ON THE PROJECT PLANS):
  - AB =  $5/3$  CD = 5'-0"
  - BC = 3'-6"
  - CD = 3'-0"
  - EF =  $\frac{2}{3}$  W = 3'-4"
  - W = 2'-0"
  - A = THE ANGLE, IN DEGREES, INTERCEPTED BY THE CENTERLINE OF THE CONNECTOR PIPE WITH THE STRUCTURE WALL TO WHICH THE CONNECTOR PIPE IS ATTACHED.
6. 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 AN ANGLE 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 THE CONNECTOR PIPE IS LESS THAN 12-INCHES IN DIAMETER, USE STRUCTURAL DATA FOR 12-INCH PIPE.
7. DOWELS SHALL BE REQUIRED AT EACH CORNER AND AT 7 FEET O.C. (MAX.) WHEN THE TOP SLAB IS POURED SEPARATELY. WHEN THE TOP SLAB IS POURED MONOLITHIC WITH ADJACENT SIDEWALK, THE DOWELS MAY BE OMITTED.
8. INSTALL CURB INLET, SUPPORT PLATE AND ANCHORS AT THE OUTLET OF THE STRUCTURE IN CONFORMANCE WITH STANDARD PLAN NUMBER S-340.
9. 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.