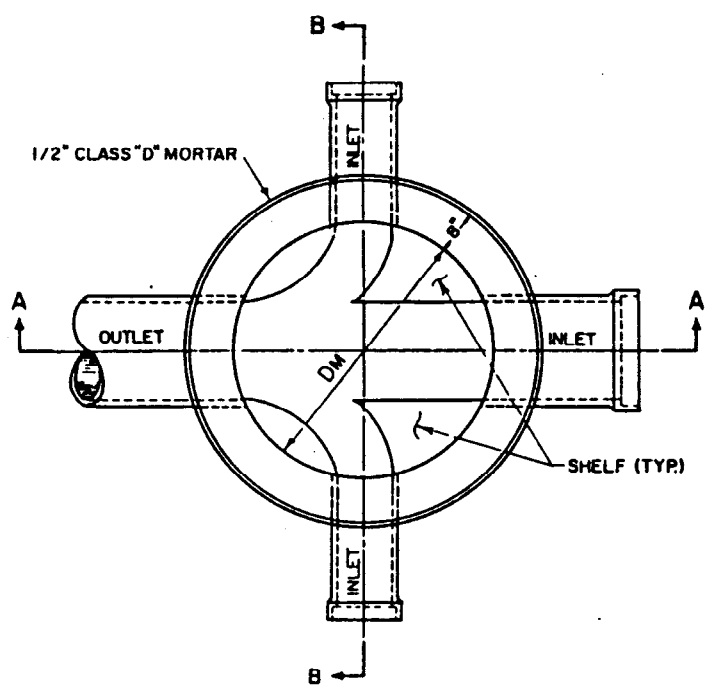


SECTION A-A

SECTION B-B



SECTION C-C

BUREAU OF ENGINEERING		DEPARTMENT OF PUBLIC WORKS			CITY OF LOS ANGELES	
SHALLOW SEWER MANHOLE					STANDARD PLAN S-144-0	
SUBMITTED <i>August 28, 1981</i> <i>Robert Z. Luce</i> ENGINEER OF DESIGN <i>Robert S. Davis</i> DEPUTY ENGINEER APPROVED <i>Sept 1, 1981</i> <i>Donald J. Larson</i> CITY ENGINEER		REVISIONS			SUPERSEDES	REFERENCES
NO.	DATE	DESCRIPTION	ENGR OF DESIGN	QTY ENGR	B-3460	S-140 S-141 S-282
DESIGNED BY	DRAWN BY	CHECKED BY			VAULT INDEX NUMBER B-4015	
LIE	RGM	LJM			SHEET 1 OF 2 SHEETS	

NOTES

1. EXCEPT AS INDICATED HEREON OR ON THE PROJECT PLANS, MANHOLES SHALL CONFORM TO STANDARD PLANS S-140, SEWER MANHOLES - GENERAL, AND STANDARD PLAN S-141, BRICK MANHOLE.
2. ALL SEWER PIPE SHALL, UNLESS OTHERWISE INDICATED ON THE PROJECT PLANS, BE ANY OF THE FOLLOWING:
 - A. VCP CONFORMING TO SECTION 207-8 OF THE STANDARD SPECIFICATIONS.
 - B. ABS SOLID WALL PIPE CONFORMING TO SECTION 207-14 OF THE STANDARD SPECIFICATIONS.
 - C. ABS COMPOSITE PIPE CONFORMING TO SECTION 207-15 OF THE STANDARD SPECIFICATIONS.
 - D. PVC PIPE CONFORMING TO SECTION 207-16 OF THE STANDARD SPECIFICATIONS.
3. DIMENSIONS:
 - H - SEE PROJECT PLANSUNLESS OTHERWISE INDICATED ON THE PROJECT PLANS,
 - $D_p = 8$ INCHES
 - $D_M = 3'-6"$
 - T - SEE STANDARD PLAN S-140, SEWER MANHOLES - GENERAL
4. CONCRETE SHALL CONFORM TO SECTION 201 OF THE STANDARD SPECIFICATIONS, AND SHALL BE:
 - CLASS 660-B-3750 FOR THE INNER BASE,
 - CLASS 560-B-3250 FOR THE BASE,
 - CLASS 420-C-2000 FOR BACKFILL AND PIPE ENCASEMENT.THE CONTRACTOR MAY, AT HIS OPTION, FURNISH A HIGHER CLASS OF CONCRETE FOR THE BASE AND/OR BACKFILL AND PIPE ENCASEMENT TO MINIMIZE THE NUMBER OF DIFFERENT CLASSES OF CONCRETE USED. THE CONCRETE FOR THE INNER BASE AND THE SHELVES MAY BE PLACED MONOLITHICALLY WITH THE OUTER BASE. WHERE THE BASES ARE PLACED SEPARATELY, A ROUGHENED CONSTRUCTION JOINT SHALL BE PROVIDED BETWEEN THE SEPARATE PLACEMENTS OF THE CONCRETE.