



BUREAU OF ENGINEERING			DEPARTMENT OF PUBLIC WORKS			CITY OF LOS ANGELES	
<b>CLAY PIPE MANHOLE</b>					<b>STANDARD PLAN S-143-0</b>		
SUBMITTED <i>Sept 29, 1984</i> <i>Richard J. Davis</i> ENGINEER OF DESIGN DEPUTY ENGINEER			REVISIONS NO. DATE DESCRIPTION ENGR OF DESIGN CITY ENGR.			SUPERSEDES REFERENCES S-140 S-141 S-282	
APPROVED <i>Oct 19, 1984</i> <i>Donald H. Williams</i> CITY ENGINEER						VAULT INDEX NUMBER B-4019	
DESIGNED BY	DRAWN BY	CHECKED BY				SHEET 1 OF 2 SHEETS	
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## NOTES

1. EXCEPT AS MODIFIED HEREON, MANHOLES SHALL CONFORM TO STANDARD PLANS S-140, SEWER MANHOLES - GENERAL, AND S-141, BRICK MANHOLE.
2. DIMENSIONS:
  - D<sub>p</sub> - SEE PROJECT PLANS
  - H - SEE PROJECT PLANS
3. ALL PIPE FOR THE MANHOLE (RISER AND STUBS) SHALL BE VCP CONFORMING TO SECTION 207-B OF THE STANDARD SPECIFICATIONS. HOLES IN THE SHAFT FOR STUBS SHALL BE FORMED EITHER BY CUTTING THE HOLE IN THE PIPE AFTER FABRICATION AND PRIOR TO CURING, OR BY CUTTING THE HOLE IN THE PIPE AFTER CURING. THE DIAMETER OF THE HOLES IN THE SHAFT SHALL BE THE O.D. OF THE SPUR PLUS 2-1/2 INCHES PLUS OR MINUS 1/2". THE SPUR SHALL BE ATTACHED TO THE SHAFT AFTER CURING USING AN APPROVED EPOXY.
4. CONCRETE AND MORTAR 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 FURNISH A HIGHER CLASS OF CONCRETE THAN THAT REQUIRED TO MINIMIZE THE NUMBER OF DIFFERENT CLASSES OF CONCRETE USED.
5. 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.  
CONCRETE FOR THE BASE SHALL BE PLACED AGAINST UNDISTURBED EARTH.
6. INSTALL FLEXIBLE JOINTS ONTO THE STUBS AS SHOWN ON STANDARD PLAN S-141, BRICK MANHOLE.