



BUREAU OF ENGINEERING		DEPARTMENT OF PUBLIC WORKS		CITY OF LOS ANGELES	
PRESSURE MANHOLE FRAME AND COVER				STANDARD PLAN S-284-2	
SUBMITTED <i>Jan 22 1981</i> <i>Robert J. Egan</i> ENGINEER OF DESIGN <i>Robert J. Egan</i> DEPUTY ENGINEER		REVISIONS NO. DATE DESCRIPTION ENGR OF DESIGN CITY ENGR 1 9/10/82 CHANGED ANCHOR BOLT CALLOUT <i>A. J. Egan</i> <i>Phil Keegan</i>		SUPERSEDES B-1842 B-4011 B-4029	REFERENCES S-283
APPROVED <i>Jan 31 1981</i> <i>Robert J. Egan</i> CITY ENGINEER					
DESIGNED BY DRAWN BY CHECKED BY LIE RGM LJM				VAULT INDEX NUMBER B-4050 SHEET 1 OF 2 SHEETS	

NOTES:

1. EXCEPT AS OTHERWISE INDICATED HEREON, THE MANHOLE FRAME AND COVER SHALL CONFORM TO STANDARD PLAN S-283, MANHOLE FRAME AND COVER, 30 INCH. THE WEIGHT REQUIREMENT FOR THE FRAME INDICATED ON STANDARD PLAN S-283 SHALL NOT APPLY.
2. MANHOLE FRAME AND COVER SHALL BE CAST IRON CONFORMING TO SECTION 206-3 OF THE STANDARD SPECIFICATIONS.
3. THE PRESSURE PLATE SHALL BE STEEL CONFORMING TO ASTM A-36, AND SHALL BE GALVANIZED AFTER FABRICATION, BUT BEFORE INSTALLATION OF ANY HARDWARE.
4. CAP SCREWS AND EYEBOLTS, INCLUDING WASHERS AND NUTS ATTACHED THERETO, SHALL BE FABRICATED FROM ANY SERIES 300 STAINLESS STEEL.
5. UNLESS OTHERWISE INDICATED, ALL STEEL HARDWARE SHALL CONFORM TO SECTION 206-1.2 OF THE STANDARD SPECIFICATIONS.
6. ALL STEEL, EXCEPT STAINLESS STEEL, SHALL BE GALVANIZED IN CONFORMANCE WITH SECTION 210-3 OF THE STANDARD SPECIFICATIONS AFTER FABRICATION.
7. ALL HOLES IN CAST IRON SHALL BE DRILLED AFTER CASTING OR PLUGGED PRIOR TO CASTING. THEY SHALL NOT BE PUNCHED.
8. ALL IRON CASTINGS SHALL RECEIVE AN ASPHALTIC COATING AFTER FABRICATION, CONFORMING TO SECTION 206-3.6 OF THE STANDARD SPECIFICATIONS.
9. GASKET MATERIAL SHALL BE 1/16 INCH THICK NEOPRENE RUBBER MEETING THE REQUIREMENTS OF SECTION 210-2.3.3 OF THE STANDARD SPECIFICATIONS. PRESSURE PLATE GASKET SHALL BE 2'-7-1/4" O.D.
10. ALL NUTS AND BOLTS SHALL BE TIGHTENED TO A MINIMUM TORQUE OF 25 FOOT-POUNDS.
11. MANHOLE FRAME AND COVER AND PRESSURE PLATE ASSEMBLY SHALL BE TESTED FOR ACCURATE FIT PRIOR TO DELIVERY TO JOBSITE AND MARKED IN SETS.