



NOTES:

1. All work shall be done in accordance with the Standard Specifications for Public Works Construction, the "GREENBOOK", the most current edition and all supplements thereto, adopted by the Southern California Chapter of the American Public Works Association and the Special Provisions (Technical Specifications) thereto adopted by the City.
2. This manhole shall be used with pipe lines from 675mm (27") to 900mm (36") in diameter.
3. Precast reinforced concrete manhole sections shall conform to current A.S.T.M. specifications; C478. Grout or mastic between joints.
4. Concrete base shall be 213-C-17 (470-C-2500, 5 sk, 25mm (1") max. aggregate, 2500 psi) cast in place. Precast bases prohibited.
5. Increase depth of collar to embed top of cone 25mm (3") min.
6. Minimum clear spacing between surfaces of concrete and reinforcing steel shall be 2" on formed surfaces and 3" on unformed surfaces except as noted.
7. No steps shall be installed in manhole.
8. Unsuitable material shall be removed when directed by the City Engineer and replaced with 300mm (12") min. of 50mm (2") Crushed Rock to provide adequate foundation for pipe bedding.
9. Utility Frame and Cover Adjustment Dwg. 222 Case 3101 shall apply.
10. All construction joints shall be keyed.
11. Extend main pipe through manhole; shape and plaster channels for incoming pipes.
12. All MH's constructed for sanitary sewerage shall have PVC T lock interior liners and/or approved epoxy coatings applied to all interior surfaces.
13. Form recess with approved metal forming ring to receive precast manhole joint. Seal with grout or mastic.

ACAD FILE NO. C3101D216 Rev1.DWG.

CITY OF SAN LEANDRO * STANDARD PLANS

NO.	REVISIONS	DATE	BY	TYPE B CONCRETE MANHOLE 675mm (27") to 900mm (36") pipe diameter	APPROVED
A	Was 450mm (18")	1/17/07	AMS		 Kenneth Joseph, City Engineer R.C.E. No.34870 Expires 9/30/09
DRAWN	GF/MLWH/VL	CHECKED	KJ/KRC	DATE	DWG. NO. 216 CASE. 3101
				May 2002	SCALE NONE SHEET 1 of 1