



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 only with pipe lines having 600mm (24") diameter or less.
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 base prohibited.
5. Increase depth of collar to embed top of cone 75mm (3") min.
6. Minimum clear spacing between surfaces of concrete and reinforcing steel shall be 50mm (2") on formed surfaces and 75mm (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, except solely residential sewerage mains at 300mm (12") diameter or less.
13. Form recess with approved metal forming ring to receive precast manhole joint. Seal with grout or mastic.

ACAD FILE NO. C3101D214 Rev1.DWG.

CITY OF SAN LEANDRO * STANDARD PLANS

NO.	REVISIONS	DATE	BY	TYPE A CONCRETE MANHOLE 600mm (24") maximum pipe diameter			APPROVED	 Kenneth Joseph, City Engineer R.C.E. No.34870 Expires 9/30/09
▲	Was 450mm (18")	1/17/07	AMS				DWG. NO. <u>214</u> CASE. <u>3101</u>	
DRAWN GF/MLWH/VL		CHECKED KJ/KRC	DATE May 2002	SCALE NONE	SHEET 1 OF 1			