



SEE ADDITIONAL INFORMATION ON SHEET 2

APPROVED: DATE: 2/24/03

*Raymond L. Bush*

CITY OF SANTA ANA  
 PUBLIC WORKS AGENCY



DATE	REVISION
2/19/03 AF	STEPS REMOVED

SEWER MANHOLE

STD. PLAN NUMBER  
 1201

**NOTES**

1. MANHOLE FRAME AND COVER SHALL BE CAST IRON AND SHALL CONFORM TO A.S.T.M. A-48, CLASS 30.
2. THE IDENTIFYING WORD "SEWER" SHALL APPEAR ON ALL SANITARY SEWER MANHOLE COVERS.
3. ELEVATION OF THE COVER TO BE DETERMINED BY THE ENGINEER.
4. ALL CONCRETE SHALL BE 560-C-3250 PER STANDARD SPECIFICATIONS, (CURRENT EDITION).
5. BACKFILL MATERIAL TO SUBGRADE SHALL BE SAND, PLACED A MINIMUM OF 2 FEET Laterally AROUND STRUCTURE.
6. WHERE MANHOLE HAS 1 OR 2 INLETS AND 1 OUTLET, PLACE THE COVER DOWNSTREAM AND AWAY FROM PIPES.
7. THE TOP SURFACE OF THE SHELVES SHALL BE SLOPED DOWNWARD TOWARD THE CENTER OF MANHOLE AT THE RATE OF 1 INCH PER FOOT. THE HIGHEST ELEVATION OF THE SHELVES SHALL BE 6" MINIMUM ABOVE THE TOP OF PIPE OF THE MAIN SEWER LINE. CHANNELS SHALL HAVE A SMOOTH STEEL TROWEL FINISH.
8. MANHOLES SHALL BE PRECAST NONREINFORCED CONCRETE EXCEPT THAT THE CONTRACTOR, AT HIS OPTION AND EXPENSE, MAY FURNISH REINFORCED PRECAST MANHOLES CONFORMING TO SECTION 70-1.02H OF THE STATE STANDARD SPECIFICATIONS, (CURRENT EDITION).
9. SOFFIT OF MAIN LINE BRANCHES SHALL MATCH SOFFIT OF TRUNK SEWER.
10. RIGHT ANGLE TURN OF MANHOLE'S CHANNEL SHALL HAVE A MINIMUM DROP OF 0.20 FEET.
11. MAINTAIN THE SLOPE OF THE SEWER MAIN IN THE MANHOLE'S WITH STRAIGHT THROUGH CHANNEL, IF NO INLET-OUTLET ELEVATIONS ARE SHOWN ON THE PLANS.



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