



NOTES:

1. PROVIDE AND PLACE PER APWA SECTION 31 23 23. COMPACT PER APWA SECTION 31 32 26 TO A MODIFIED PROCTOR DENSITY OF 95% OF GREATER. MAXIMUM LIFT THICKNESS IS 8 INCHES BEFORE COMPACTION.
2. CONCRETE CLASS 4000 PER APWA SECTION 03 30 04. PLACE CONCRETE PER APWA SECTION 03 30 10. CURE PER APWA SECTION 03 39 00.
3. FOR SEWERS UNDER 12" DIAMETER, BUILD A 4 FEET DIAMETER MANHOLE. FOR SEWERS 12" AND LARGER, AND WHEN 3 OR MORE PIPES INTERSECT IN THE MANHOLE, BUILD A 5 FEET DIAMETER MANHOLE.
4. GROUT AROUND ALL PIPE OPENINGS WITH 2:1 SAND/CEMENT MORTAR
5. PLACE FLEXIBLE GASKET-TYPE SEALANT IN ALL MANHOLE JOINTS
6. PLACE INVERT COVERS OVER THE TOP OF THE PIPE IN ALL MANHOLES DURING CONSTRUCTION. SEE APWA PLAN No. 412.
7. INSTALL RUBBER WATER-STOP ON ALL PLASTIC PIPES WHEN CONNECTING PLASTIC PIPES TO MANHOLES. HOLD WATER-STOP IN PLACE WITH STAINLESS STEEL BANDS.

