**SECTION A-A**

Precast eccentric cone manhole, see standard Plan CD30. Where clearance between the top of the manhole and finish grade is less than 3'-6", use a Type C invert with frame and cover per Standard Plan CD22, or see project construction plans.

**NOTES:**
1. For Manhole General Notes and Details, see Standard Plan CD35.
2. Soil parameters used for design are limited to the following:
   - Active equivalent fluid pressure of 45 lbs./sq. ft. up to saturated condition of 62 lbs./sq. ft.
   - Passive equivalent fluid pressure of 300 lbs./sq. ft.
   - Slope of 1:1.5
   - Slope of 1:2
   - Slope not exceeding 1:2.5
   These characteristics shall be designed by a licensed professional engineer under consultation with a licensed geotechnical engineer.
3. Minimum Strength:
   - Steel: f_y = 60,000 psi
   - PCC: f_c = 3000 psi
4. Reinforcing steel placement shall be as directed in American Concrete Institute, Building Code and Commentary 318-11.
5. Inlet and outlet pipes shall not intercept a manhole base through a corner. If skew angle is too great to permit the opening to be made through a single wall, a special design will be required.

**SECTION B-B**

**SECTION C-C**

**NOTES:**

**DETAIL D**

At locations where pipes enter manhole:
- For manhole frame and cover, see standard Plan CD30.