1. All precast manholes must conform to ASTM C478.
2. Poured in place concrete shall have 28 days compressive strength 27.5 MPa. Benching to utilize Type 50 cement.
3. An O-ring rubber gasket or butyl rubber sealant (or respective approved alternate) is to be installed at each barrel joint in accordance with manufacturer's recommendations.
4. All barrel joints are to be mortared on the outside.
5. Form flow through in partially set concrete and trowel smooth.
6. All dimensions given in millimetres.
7. Max. dist. from rim to top rung is 700 mm.
8. Backfill manhole with select native material or imported granular material.
9. Slab tops shall be used when the distance from the bottom of the rings to the WH base is less than 2.2 m.
10. Safety platform required if manhole over 6 m deep.
11. In situations where grade rings exceed max. 450 mm, a barrel section is to be used.
12. Access to manhole to be located over main inlet.
13. First section of pipe (at interface of manhole) to be 300–600 mm in length.

NOTE:
All pipes to be grouted flush with inside of manhole wall.

TYPICAL MANHOLE DETAIL

DATE: OCTOBER, 2020