150 MIN / 450 MAX FROM FINISHED GRADE TO TOP OF CONE OR SLAB TOP. 1 NO. 1" GRADE RING PERMITTED PER MANHOLE ASSEMBLY.

FRAME & COVER PATTERN TO BE APPROVED

CONICAL TOP/SLAB TOP AS DIRECTED BY ENGINEER

PRECAST REINFORCED CONCRETE BARREL

POLYPROPYLENE STEEL REINFORCED OR 20ø GALVANIZED STEEL CAST IN WALL OF BARREL SPACED AT 400

MIN. 150mm DEPTH OF COMPACTED 20mm GRANULAR UNDER ALL MANHOLE BASES

NOTES:
1. ALL PRECAST MANHOLES MUST CONFORM TO ASTM C478.
2. POURED IN PLACE CONCRETE SHALL HAVE 28 DAYS COMpressive STRENGTH 27.5 MPa 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 & TROWEL SMOOTH.
6. ALL DIMENSIONS ARE IN MILLIMETRES.
7. MAX. DISTANCE FROM RIM TO TOP RUNG IS 700mm
8. SLAB TOPS SHALL BE USED WHEN THE DISTANCE FROM THE BOTTOM OF THE RINGS TO THE MH BASE IS LESS THAN 2.2 m
9. SLAB TOPS SHALL BE USED WHEN THE DISTANCE FROM THE BOTTOM OF THE RINGS TO THE MH BASE IS LESS THAN 2.2 m
10. BACKFILL WITH SELECT NATIVE OR GRANULAR MATERIAL
11. IN SITUATIONS WHERE GRADE RINGS EXCEED MAX. 450mm 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 300~600mm IN LENGTH.
14. CATCH BASIN LEADS TO BE INSTALLED AT MIN. 1% GRADE.