

MANHOLE FRAME & COVER
 PATTERN TO BE APPROVED
 STREET GRADE
 150 MIN/450 MAX. FROM FINISHED GRADE TO TOP OF CONE OR SLAB TOP. 1
 No. 1" GRADE RING PERMITTED PER MANHOLE ASSEMBLY.

POLYPROPYLENE STEEL
 REINFORCED OR 20Ø
 GALVANIZED STEEL
 (GALVANIZED AFTER
 FABRICATION) CAST IN WALL
 OF BARREL SPACED AT 400

CONICAL TOP/SLAB TOP AS
 DIRECTED BY THE ENGINEER

PRECAST REINFORCED
 CONCRETE BARREL

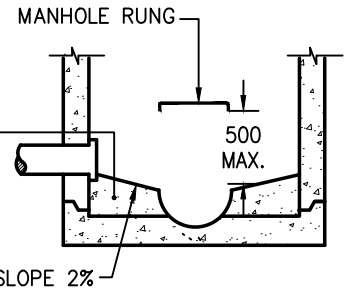
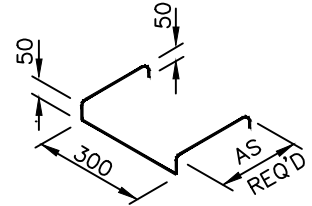
POURED IN PLACE OR
 PRECAST CONCRETE
 BASE WITH "O" RING
 SEAL AND BENCHING

150mm DEPTH OF
 COMPACTED BEDDING
 MATERIAL (TYP.)

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

BOTTOM OF TROUGH
 TOP OF TROUGH

**SAFETY TYPE
 MANHOLE RUNG**

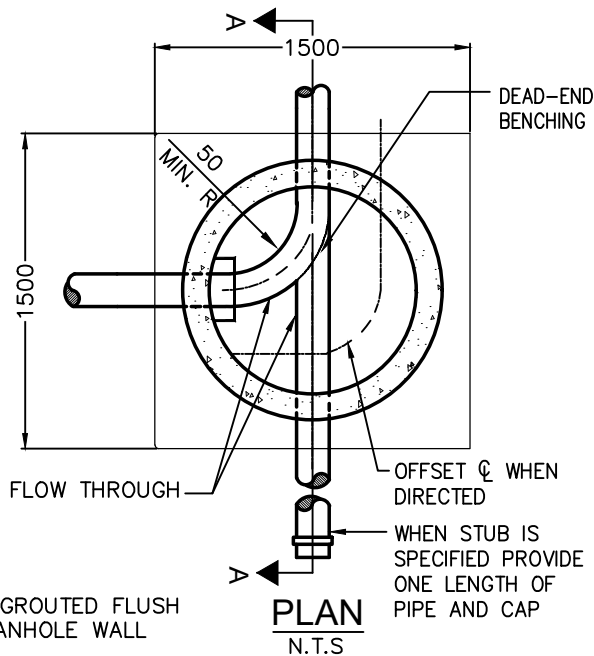


SECTION 'B-B'
 N.T.S

PLAN

PLAN

SECTION 'A-A'
 N.T.S



NOTE:
 ALL PIPES TO BE GROUTED FLUSH
 WITH INSIDE OF MANHOLE WALL

NOTES:

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 700mm.
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 MH BASE IS LESS THAN 2.2 m.
10. SAFETY PLATFORM REQUIRED IF MANHOLE OVER 6m DEEP.
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.



Engineering
 Department

DATE: OCTOBER, 2020

TYPICAL MANHOLE DETAIL

STD DWG

A4.0