



- NOTES ON TYPE SECTIONS**
1. THE SECTION TO BE USED WILL DEPEND ON THE GROUND CONDITIONS AND TRENCH DEPTHS AND MUST BE SHOWN ON THE LONGITUDINAL SECTIONS. GENERALLY TYPE 'A' OR 'B' SECTION OVER 1.200m AND UNDER 3.600m COVER, TYPE 'C' SECTION OVER 3.600m AND UNDER 5.500m COVER TYPE 'D' SECTION UNDER 1.200m AND OVER 5.500m COVER.
  2. TYPE 'A' SECTION TO BE USED FOR FLEXIBLE PIPES SUCH AS DUCTILE IRON AND FOR RIGID PIPES (WITH FLEXIBLE JOINTS) SUCH AS VITRIFIED CLAY AND CONCRETE PIPES IN FIRM GROUNDS.
  3. VITRIFIED CLAY PIPES WITH FLEXIBLE JOINT ARE PREFERRED.
  4. BREAK JOINTS AS SHOWN ARE TO BE FORMED IN ALL TYPE 'B', 'C', AND 'D' SECTIONS WHERE FLEXIBLE JOINT PIPES ARE USED.
  5. ALL CONCRETE IS TO BE PLACED AGAINST THE SIDES OF EXCAVATION WHEREVER POSSIBLE.

- NOTES ON MANHOLES**
1. BASES, BENCHING AND POINTING OF BRICK OR PRECAST CONCRETE MANHOLES AND THE WHOLE OF CAST-IN-SITU CONCRETE MANHOLES ARE TO BE CONSTRUCTED WITH ORDINARY PORTLAND CEMENT, UNLESS OTHERWISE STATED.
  2. BENCHINGS TO MANHOLES TO BE TROWELLED TO THE SOFFIT OF THE OUTGOING SEWER RISING BY 75mm TO THE MANHOLE WALLS, CURVED AND JUNCTION BENCHINGS TO BE FORMED TO A RADIUS ON THE CENTRE LINE OF CHANNEL OF NOT LESS THAN 400mm, FOR LARGE DEGREE BENDS AND MULTIPLE JUNCTIONS MANHOLE, SPECIAL OR ENLARGED MANHOLES ARE REQUIRED.
  3. MEDIUM DUTY MANHOLE FRAMES & COVERS ARE TO BE USED IN GARDENS AND TURFED GROUND.
  4. HEAVY DUTY MANHOLE FRAMES & COVERS ARE TO BE USED ON ALL ROADS, CAR PARKS AND WHERE VEHICULAR TRAFFIC IS EXPECTED.
  5. MANHOLE COVER SHALL BE LAID FLUSH WITH PAVED, TILED AND ROAD SURFACES. ON TURFED GROUNDS, THE MANHOLE COVER SHALL BE LAID 50mm HIGHER THAN THE SOIL LEVEL.

**NOTE ON R.C. ROOF SLABS**

ALL R.C. ROOF SLABS ARE TO BE CAST WITH MIN. 1.5mm THICK PVC OR HDPE PROTECTIVE LININGS TO THE UNDERSIDE OF SLABS, INCLUDING ALL NECESSARY SEALING BY ANGLE FILLETS, WELDING AND TESTING.