



Technical drawing of a manhole shaft construction. The drawing shows a cross-section of the shaft with various layers and components labeled. The labels are as follows:

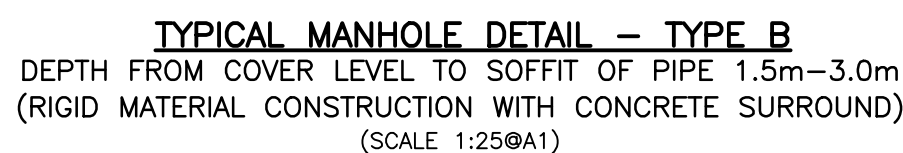
- MORTAR BEDDING AND HAUNCHING TO COVER AND FRAME TO CLAUSE E6.7
- COVER COMPLYING WITH CLAUSE E2.32
- TOPSOIL
- IF DISTANCE FROM COVER LEVEL TO SOFFIT OF PIPE IS GREATER THAN 1.0m ACCESS OPENING SHALL BE RESTRICTED TO 350mm DIAMETER OR 300mm x 300mm
- FLEXIBLE SEAL
- TEMPORARILY CAP MANHOLE SHAFT DURING CONSTRUCTION
- MINIMUM INTERNAL DIMENSIONS 450mm DIAMETER OR 450mm x 450mm
- GRANULAR BED OR GEN3 CONCRETE COMPLYING WITH E4.1 AND BRE SPECIAL DIGEST 1.

NOTE: WHERE A BEND IS USED IMMEDIATELY OUTSIDE THE MANHOLE, THIS MAY BE USED AS A ROCKER PIPE.

Diagram illustrating the construction details of a manhole assembly, showing various components and their specifications:

- MORTAR BEDDING AND HAUNCHING TO COVER AND FRAME TO CLAUSE E6.7
- MINIMUM 1 COURSE OF CLASS B ENGINEERING BRICKS OR PRECAST CONCRETE COVER FRAME SEATING RINGS
- 675mm MAXIMUM TO FIRST STEP RUNG FROM COVER LEVEL
- LIFTING EYES IN CONCRETE RINGS TO BE POINTED
- IN-SITU GEN3 CONCRETE COMPLYING WITH E4.1 AND E6 SPECIAL DIGEST 1
- MINIMUM 20mm THICK HIGH-STRENGTH CONCRETE TOPPING COMPLYING WITH CLAUSES E4.3 AND E6.5 AND NEATLY SHAPED AND FINISHED TO ALL BRANCH CONNECTIONS.
- CONSTRUCTION JOINT
- SELF-CLEANING TOE HOLES TO BE PROVIDED WHERE CHANNEL EXCEEDS 600mm WIDE.
- INVERTS TO BE FORMED USING CHANNEL PIPES
- COVER COMPLYING WITH CLAUSE E2.32 600mm x 600mm CLEAR OPENING
- PRECAST CONCRETE COVER SLAB COMPLYING WITH E2.30
- MINIMUM CLEAR ACCESS 600mm
- PRECAST CONCRETE CHAMBER SECTIONS COMPLYING WITH CLAUSE E2.29 JOINED WITH MORTAR, PLASTOMERIC OR ELASTOMERIC SEALS.
- 150mm CONCRETE SURROUND
- CHAMBER HEIGHT (NOT LESS THAN 900mm)
- BENCHING SLOPE TO BE 1:10 TO 1:30
- THE BOTTOM PRECAST MANHOLE RING TO BE BUILT INTO BASE CONCRETE MINIMUM 75mm
- DISTANCE BETWEEN TOP OF PIPE AND UNDERSIDE OF PRECAST SECTION TO BE MINIMUM 50mm TO MAXIMUM 300mm
- IN-SITU GEN3 CONCRETE COMPLYING WITH E4.1 AND E6 SPECIAL DIGEST 1
- 225mm TO UNDERSIDE OF CHANNEL
- SEE TABLE B1 (1200mm MINIMUM)

SECTION



MINIMUM MANHOLE DIAMETERS FOR TYPE A, B AND C MANHOLES SHOULD
BE IN ACCORDANCE WITH ABOVE

