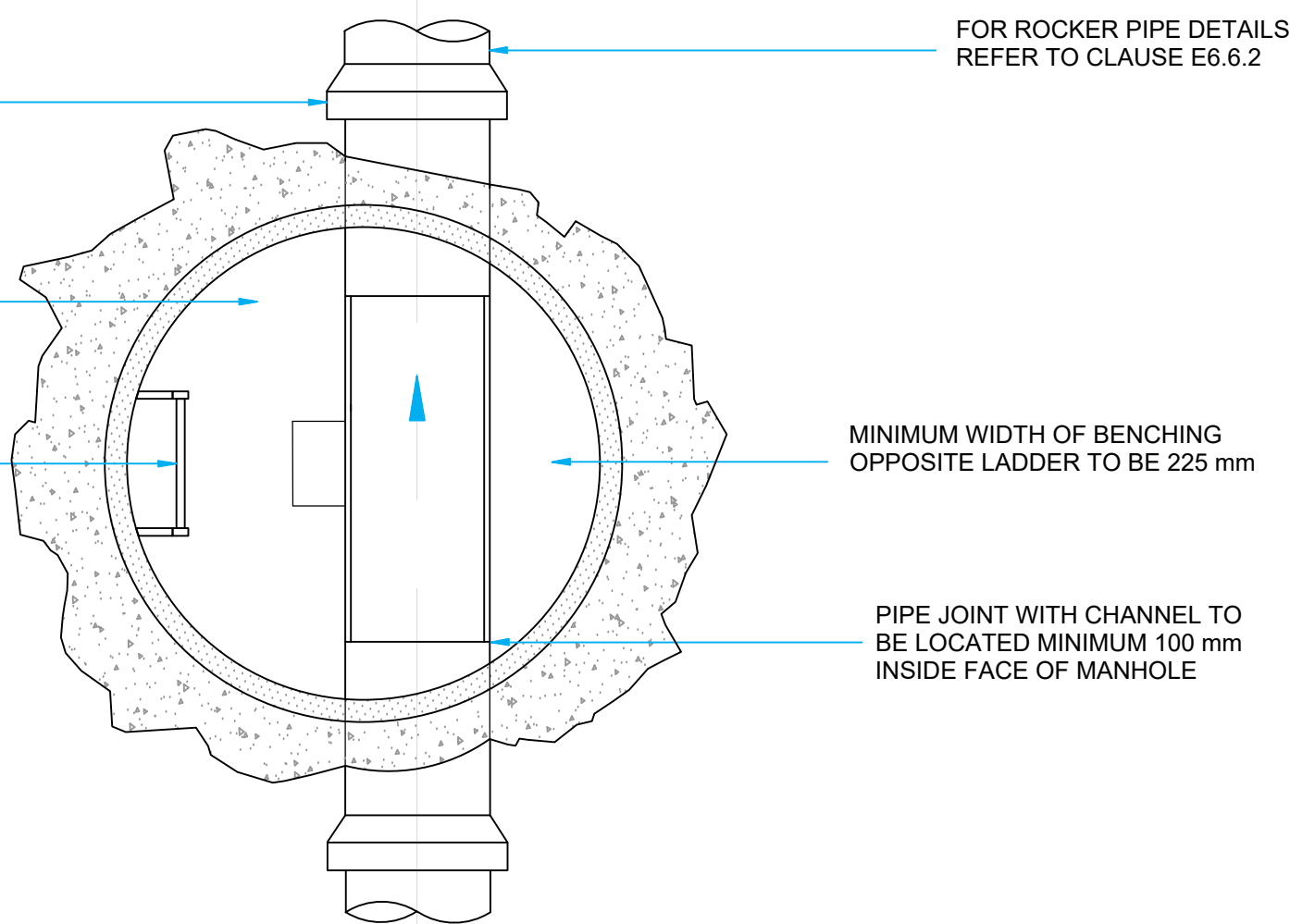




675x675 COVER

675x675 OPENING IN COVER SLAB

2-4 COURSES OF CLASS B ENGINEERING BRICKS, CONCRETE BLOCKS OR PRECAST CONCRETE COVER FRAME SEATING RINGS

PRECAST CONCRETE CHAMBER SECTIONS AND COVER SLAB

REFER TO MH SCHEDULE

GEN3 CONCRETE SURROUND 150 THICK

HIGH STRENGTH CONCRETE TOPPING TO BE BROUGHT UP TO A DENSE SMOOTH FACE NEATLY SHAPED & FINISHED TO ALL BRANCH CONNECTIONS (MINIMUM THICKNESS 20mm)

LIFTING EYES IN CONCRETE RINGS TO BE POINTED

BENCHING SLOPE TO BE 1 IN 10 TO 1 IN 30

BOTTOM PRECAST CONCRETE RING TO BE BUILT INTO BASE CONCRETE MIN 75mm

DISTANCE BETWEEN TOP OF PIPE AND UNDERSIDE OF PC CHAMBER TO BE 50mm MIN, 300 MAX

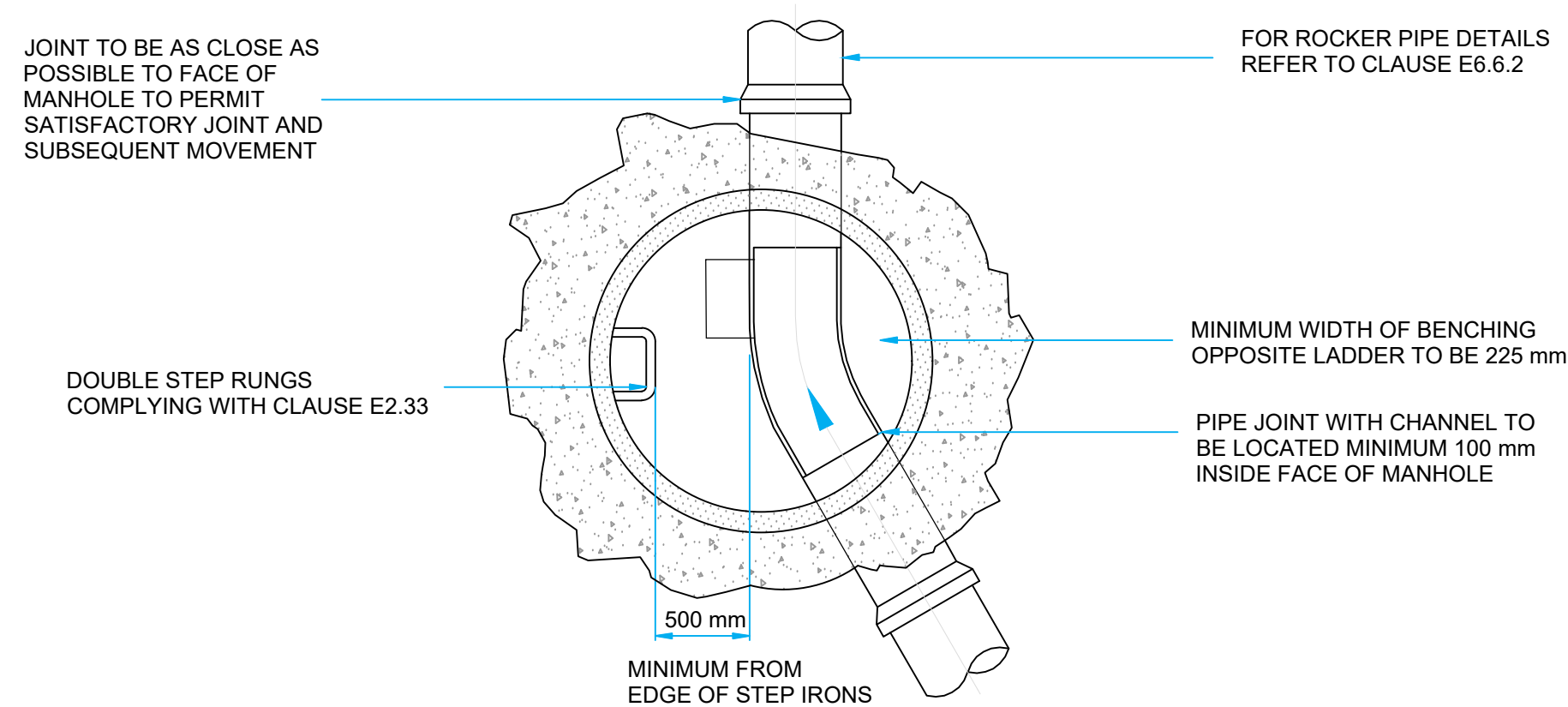
225mm TO BARREL OF PIPE

ALL IN SITU CONCRETE TO BE GEN3 WITH SULPHATE RESISTING CEMENT UNLESS OTHERWISE AGREED

INVERTS FORMED USING CHANNEL PIPES

THE USE OF PRECAST RECTANGULAR CONCRETE MANHOLE UNITS WITH 150 GEN3 CONCRETE SURROUND SHALL BE PERMITTED WHERE ACCEPTED BY THE ENGINEER AND THE UNDERTAKER.

www.dyse.com @DYSEstructural



CROSS-SECTION VIEW

- MORTAR BEDDING & HAUNCHING TO COVER AND FRAME TO CLAUSE E6.7
- SURFACE COURSE
- BINDER COURSE
- BASE COURSE
- PRECAST CONCRETE SLAB OR IN-SITU CONCRETE SLAB TO SUPPORT COVER AND FRAME
- FLEXIBLE SEAL
- TEMPORARILY CAP SHAFT DURING CONSTRUCTION
- COVER COMPLYING WITH CLAUSE E.2.32. 600x600 CLEAR OPENING
- ACCESS OPENING RESTRICTED TO 350 MM DIAMETER OR 300 MM X 300 MM IF DEPTH OF CHAMBER TO INVERT IS > 1 M
- MINIMUM 1 COURSE OF CLASS B ENGINEERING BRICKS OR PCC SEATING RINGS
- TYPE 1 SUB BASE (THICKNESS VARIES)
- MINIMUM INTERNAL DIMENSIONS 450 MM DIAMETER OR 450 MM X 450 MM

PLAN VIEW

- JOINTS BETWEEN BASE AND SHAFT AND BETWEEN SHAFT COMPONENTS TO BE FITTED WITH WATERTIGHT SEALS
- JOINT TO BE AS CLOSE AS POSSIBLE TO FACE OF CHAMBER TO PERMIT SATISFACTORY JOINT AND SUBSEQUENT MOVEMENT
- TYPE 1 SUB BASE (THICKNESS VARIES) OR CONCRETE SURROUND
- BASE UNIT TO HAVE ALL CONNECTIONS WITH SOFFIT LEVELS SET NO LOWER THAN THAT OF THE MAIN PIPE
- GRANULAR BEDDING MATERIAL
- FOR CONNECTING PIPES OF 100 mm OR LESS THE INVERT OF CONNECTING PIPE SHALL BE AT LEAST 50 MM ABOVE THAT OF THE MAIN PIPE

The diagram illustrates a four-way roundabout with a central circular island. Four main roads enter and exit the roundabout, indicated by arrows and the text "MAIN FLOW". Four short, steep branch roads connect to the main roads. Two of these branches are shown with a 45-degree bend at the connection point, labeled with a blue line and the text "BENDS UP TO 45° ANGLE CAN BE USED ON ANY INLET". The other two branches are shown with a straight connection, labeled with a blue line and the text "SHORT STEEP BRANCH CONNECTIONS SHOULD PREFERABLY BE CONNECTED VIA 45° INLET, USING A BEND WHERE NECESSARY".

ACCESS OPENING RESTRICTED TO 350 MM DIAMETER OR 300 MM X 300 MM IF DEPTH OF CHAMBER TO INVERT IS > 1 M

COVER AND FRAMES SHALL COMPLY WITH BE EN 124, BS7903 AND CLAUSE E2.32

MORTAR BEDDING & HAUNCHING TO COVER AND FRAME TO CLAUSE E6.7

150 mm DEEP CONCRETE COLLAR

TEMPORARILY CAP SHAFT DURING CONSTRUCTION

FLEXIBLE SEAL

ISO A1 (594x841mm) Do Not Scale © Copyright DYSE Ltd 2021