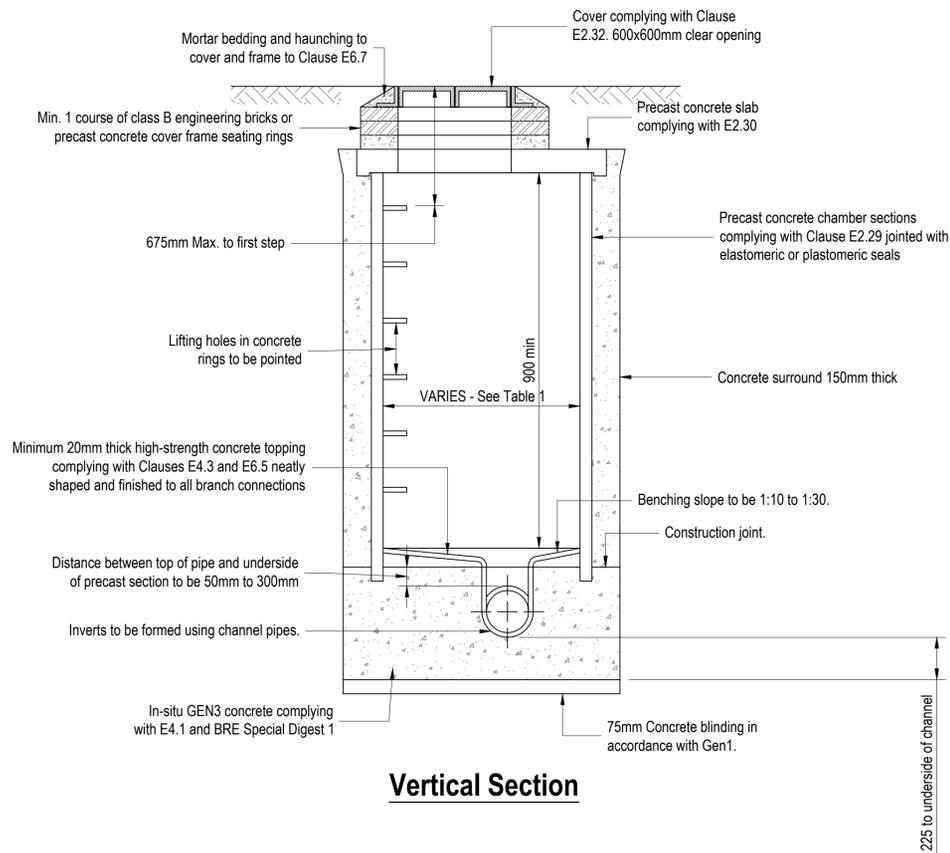


**Cross-sectional view of sewer**

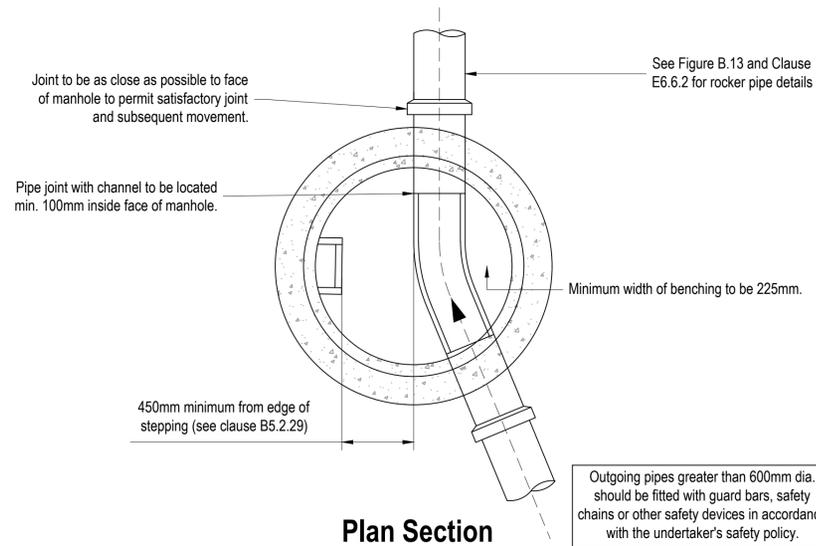
**Plan view of sewer**

**Connections to Sewer**

(Scale NTS)



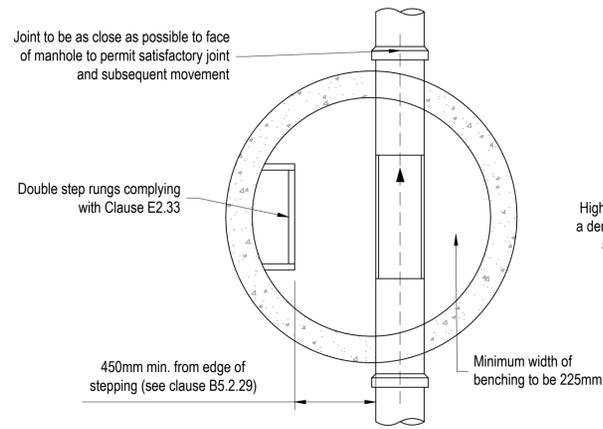
**Vertical Section**



**Plan Section**

**Typical Manhole Detail - Type "B"**  
**Depth from cover level to soffit of pipe 1.5m - 3.0m**  
**Rigid material construction with concrete surround**

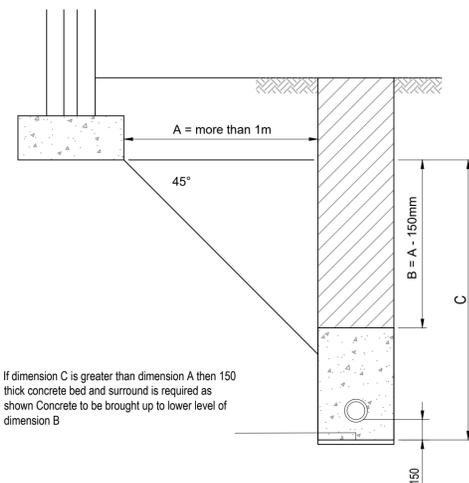
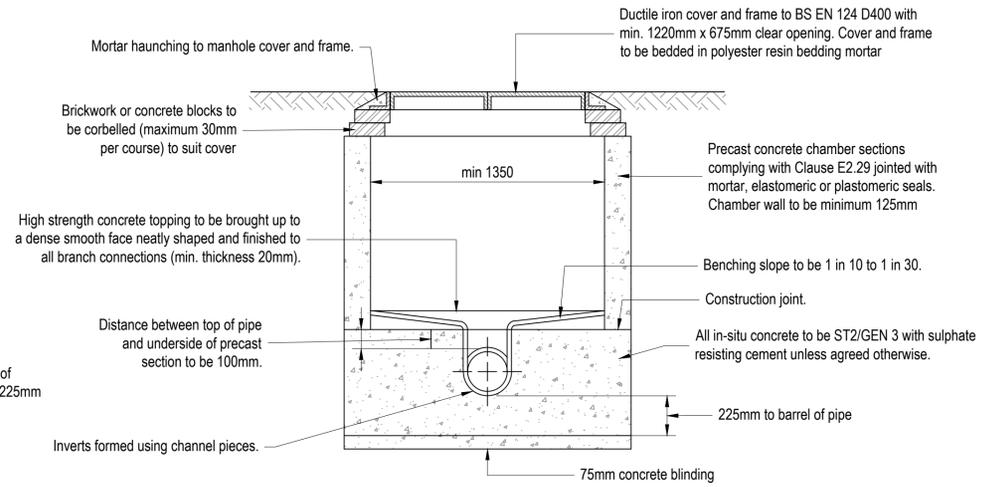
(Scale 1:25)



Internal dimensions of manhole normally 1350mm but manhole diameter should be increased for pipes larger than 450mm diameter to give 225mm benching in accordance with B5.2.29

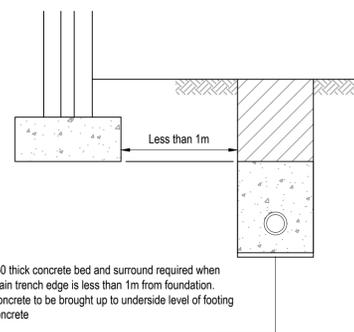
**Typical Manhole Detail - Type C**  
**Depth from cover level to soffit of pipe less than 1.5m Maximum pipe size 450mm diameter (Rigid material construction)**

(Scale 1:25)



**Drain trench edge more than 1m. from footing/foundation edge**

(Scale 1:20)

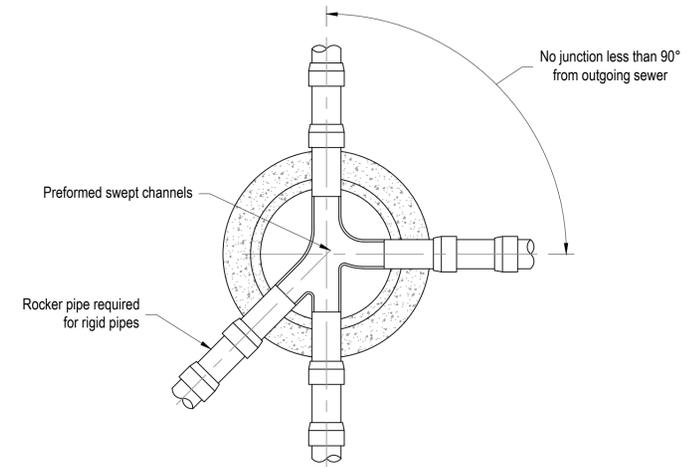


150 thick concrete bed and surround required when drain trench edge is less than 1m from foundation. Concrete to be brought up to underside level of footing concrete

Note: Concrete bed and surround to be discontinued at every pipe joint using compressible filler to be 18mm thick for pipework upto 450mm diameter

**Drain trench edge less than 1m. from footing/foundation edge**

(Scale 1:20)



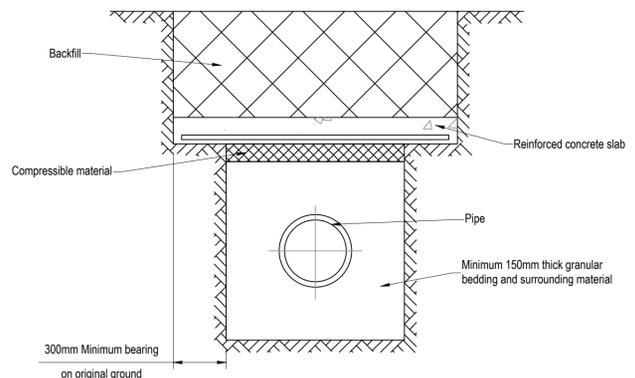
Rigid pipes built into manhole should have a flexible joint as close as feasible to the external face of the structure and the length of the next rocker pipe should be shown

All pipes entering the bottom of the manhole to have soffits level

Nominal diameter (mm)	Maximum effective length (m)
150-600	0.600
601-750	1.000
over 750	1.250

**Typical arrangement of pipe junctions within manholes**

(Scale NTS)



**Protection of pipes laid at shallow depths**

(Scale NTS)

Rev	Details	JSM 26/09/2025 Author & Date	MA 26/09/2025 Checked & Date	MA 26/09/2025 Approved & Date
P01	FIRST ISSUE	JSM 26/09/2025	MA 26/09/2025	MA 26/09/2025

Client  
PPJ Developments

Project Name  
Land rear of 23-43 Moor Lane, Gomersal, Cleckheaton, BD19 4LF

Drawing Title  
Drainage Construction Details Sheet 1

Purpose  
S3 - For Comment

Scale	Drawn	Checked	Approved
As shown	JSM	MA	MA
Original Size	Date	Date	Date
A1	25/09/2025	26/09/2025	26/09/2025

Drawing Number  
PV2511-APP-92-XX-DR-C-3400

Rev.  
P01