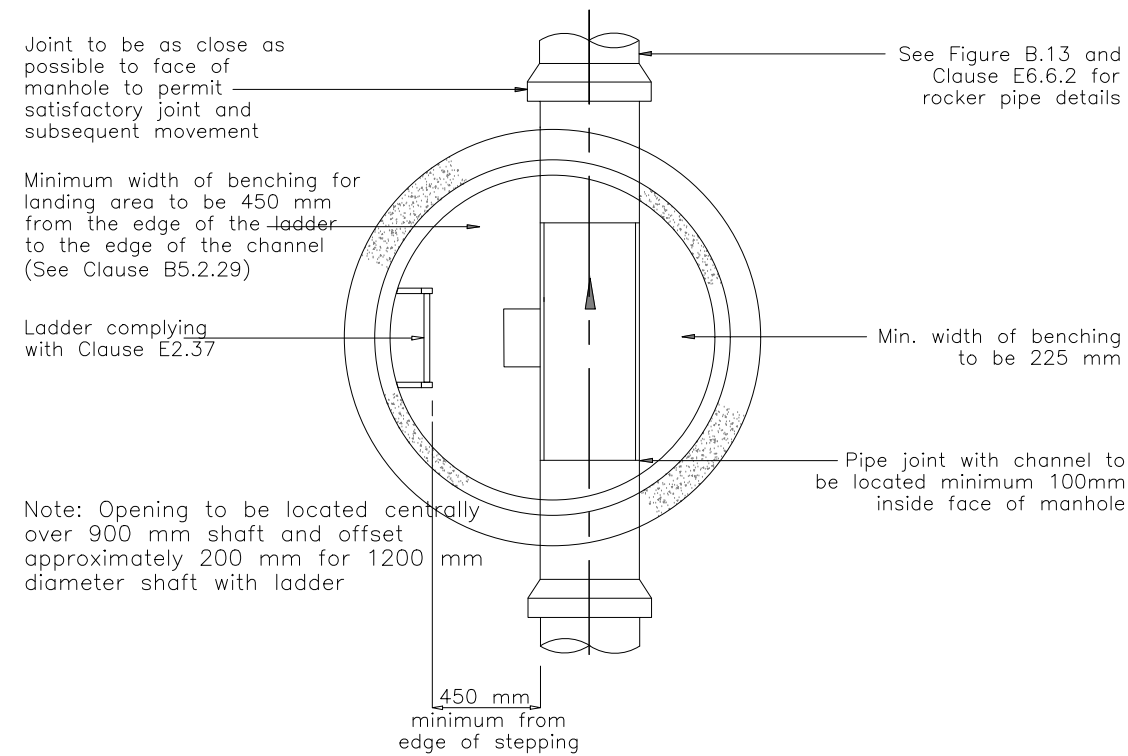
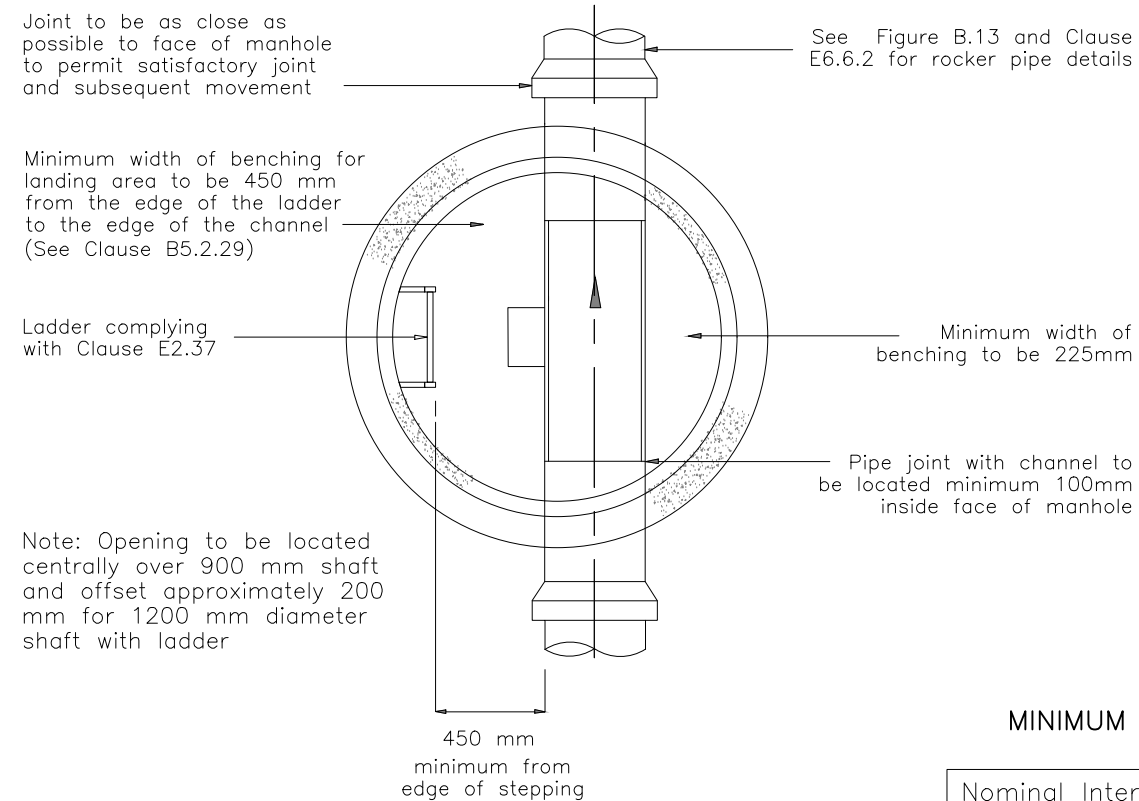


Depth from cover level to soffit of pipe 3 m to 6 m with ladder
and reducing slab
Rigid material construction with concrete surround

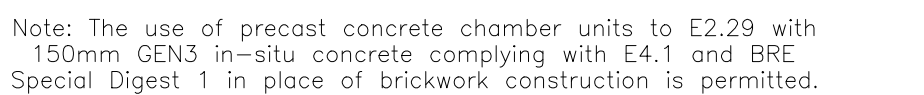


Depth from cover level to soffit of pipe 3 m to 6 m with ladder
Alternative rigid material construction with concrete surround

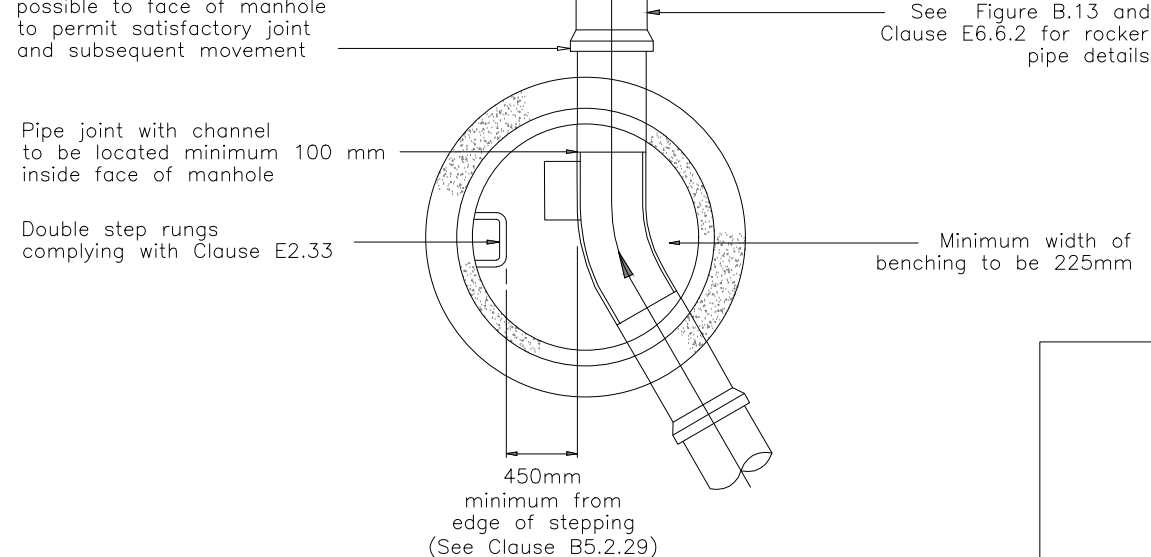


Nominal Internal Diameter of Largest Pipe in Manhole (mm)	Minimum Nominal Internal Dimension of Manhole (mm)
Less than 375	1200
375 – 450	1350
500 – 700	1500
750 – 900	1800
Greater than 900	Pipe diameter + 900

TYPICAL MANHOLE DETAIL - TYPE C



Depth from cover level to soffit of pipe 1.5 m to 3.0 m
Alternative Rigid material construction with concrete surround



Minimum 20mm thick high-strength concrete topping complying with Clauses E4.3 and E6.5 neatly shaped and finished to all branch connections

Precast concrete chamber sections complying with Clause E2.29 jointed with mortar, elastomeric or plasticomastic seals. Chamber wall to be minimum 125mm

Lowest ring to be embedded in to the in-situ base by 75 mm

Construction joint with hydrophobic seal

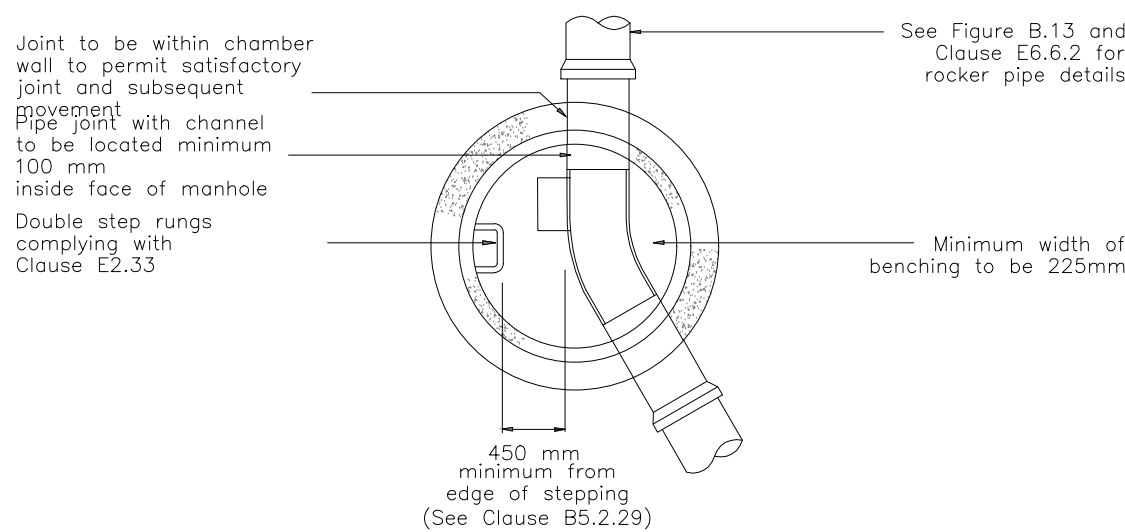
Distance between top of pipe and underside of precast section to be min. 50mm to max. 300mm

225mm to underside of channel

150mm

Self-cleaning toe holes to be provided where channel exceeds 600mm wide. Inverts to be formed using channel pieces

In-situ GBN3 concrete complying with E4.1 and BRE Special Digest 1

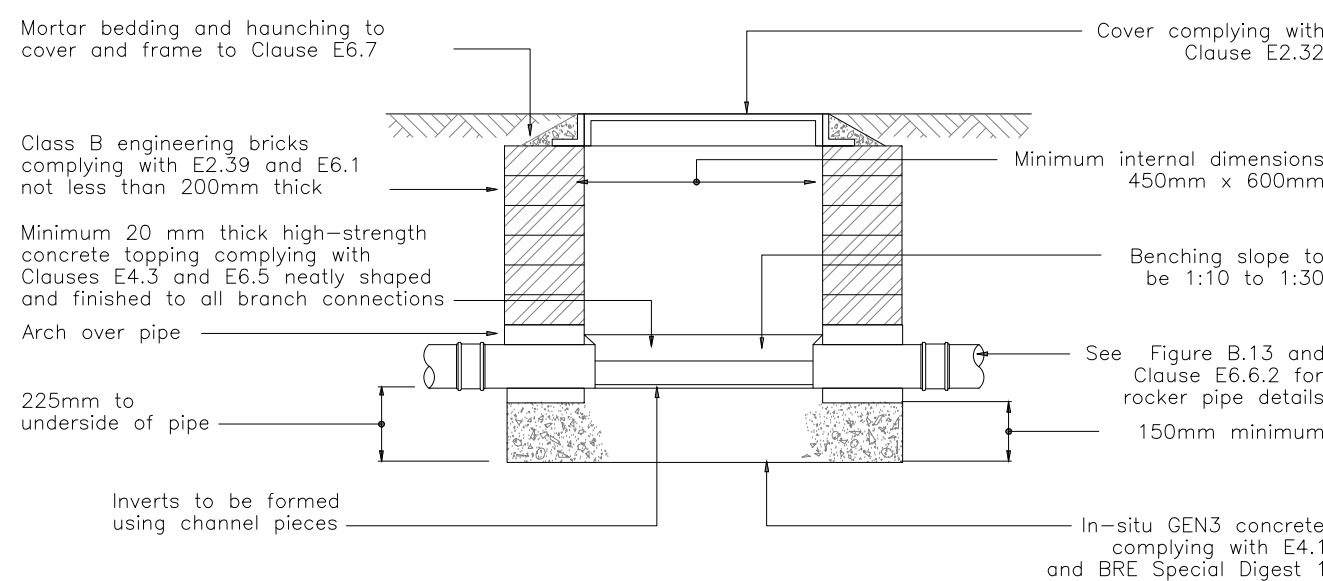


A detailed sectional plan of a manhole. The diagram shows a vertical shaft with a horizontal branch pipe entering from the right. The main shaft continues downwards. A circular area in the center represents the manhole opening. Arrows indicate the flow direction: downwards in the main shaft and into the horizontal branch pipe. Labels include: "No junction lies from outgoing" pointing to the horizontal pipe; "Preformed swept channels" pointing to the sloped areas leading to the main shaft; and "Rocker pipe required for rigid pipes" pointing to a pipe section at the bottom left. The bottom of the diagram is labeled "Sectional Plan".

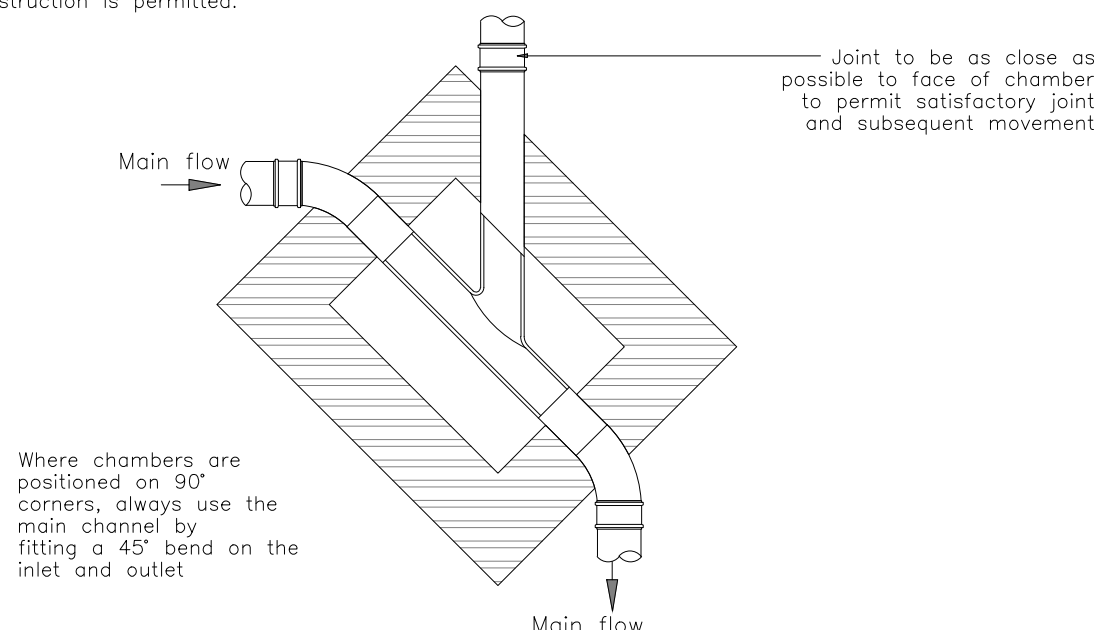
Nominal diameter (mm)	Maximum effective length (m)
150 – 600	0.6
601 – 750	1.00
over 750	1.25

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

Depth from cover level to soffit of pipe up to 1m
Rigid material construction



Note: The use of precast concrete chamber units to E2.29 with 150mm GEN3 in-situ concrete surround complying with E4.1 and BRE Special Digest 1 in place of brickwork construction is permitted.



Note: Where the access chamber is in the highway (including any footway), the highway authority can have specific requirements.

C1	21.03.22	Construction Issue.	TC	TC
P2	21.01.22	Details updated in response to latest S104 comments.	WJ	TC
P1	25.06.21	First issue, preliminary.	JW	TC
REV. No.	DATE	DESCRIPTION	DRAWN	CHECKED

Client	Vistry Group 		
Project	Boorley Green, Parcel C6 Ipsum Court, 24 The Quadrant, Abingdon Science Park, Abingdon Oxon, OX14 3YS Tel: 01235 555173 Email: mail@mjaconsulting.co.uk		
Title	Adoptable Drainage Details Scale: AS SHOWN @ A1 Status: CONSTRUCTION Drawn: JW Project Engineer: TC MJA Project No: 6470 Date: 06/2021 Drawing Number: B1015-MJA-P6-XX-DR-C-201 Rev: C1		