

General Notes

- Where this drawing has been issued in electronic .dwg format, it has been done so in good faith. JNP Group do not take any responsibility for any inaccuracies in the electronic data, which should be checked against the paper (or .pdf) drawing issue. Any apparent discrepancies should be immediately reported to JNP Group. The electronic .dwg file should not be assumed to be to scale and should not be used for 'overlying', setting out or checking of any third party information. All dimensions should be taken from the paper (or .pdf) version of the drawing. Electronic drawings may contain third party information. JNP Group take no responsibility for this information, which should be checked against the originators paper drawing(s).
- All dimensions are millimetres (mm), and levels are in metres (m) unless noted otherwise and should be checked on site prior to construction/fabrication.
- Do not scale from this drawing. Only figured dimensions are to be relied upon. Don't hesitate to get in touch with JNP Group if additional information is required.
- Any discrepancies between drawings of different scales and between drawings and specifications, where appropriate, to be reported to JNP Group for decision.
- Copyright reserved. This drawing may only be used for The Client and location specified in the title block. It may not be copied or disclosed to any third party without the prior written consent of JNP Group.
- This drawing should only be used for construction if the drawing status is "Construction". JNP Group takes no responsibility for construction works undertaken to drawings that are not marked with this status.

Health & Safety Note

The details on this drawing have been prepared on the assumption that a competent contractor will be carrying out the works. If the contractor(s) considers that there is insufficient Health and Safety information on this drawing, this should immediately be brought to the attention of the designer.

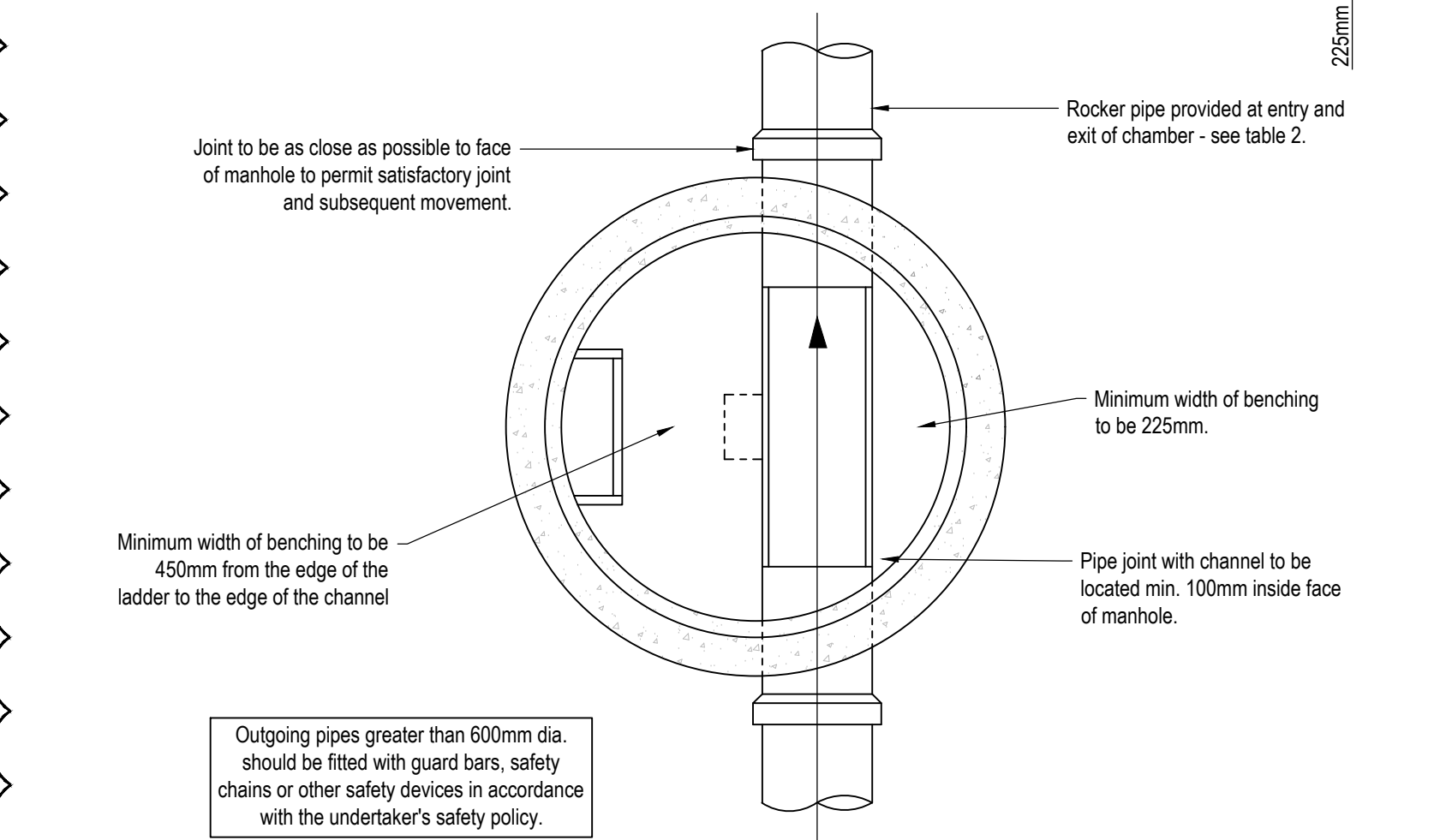
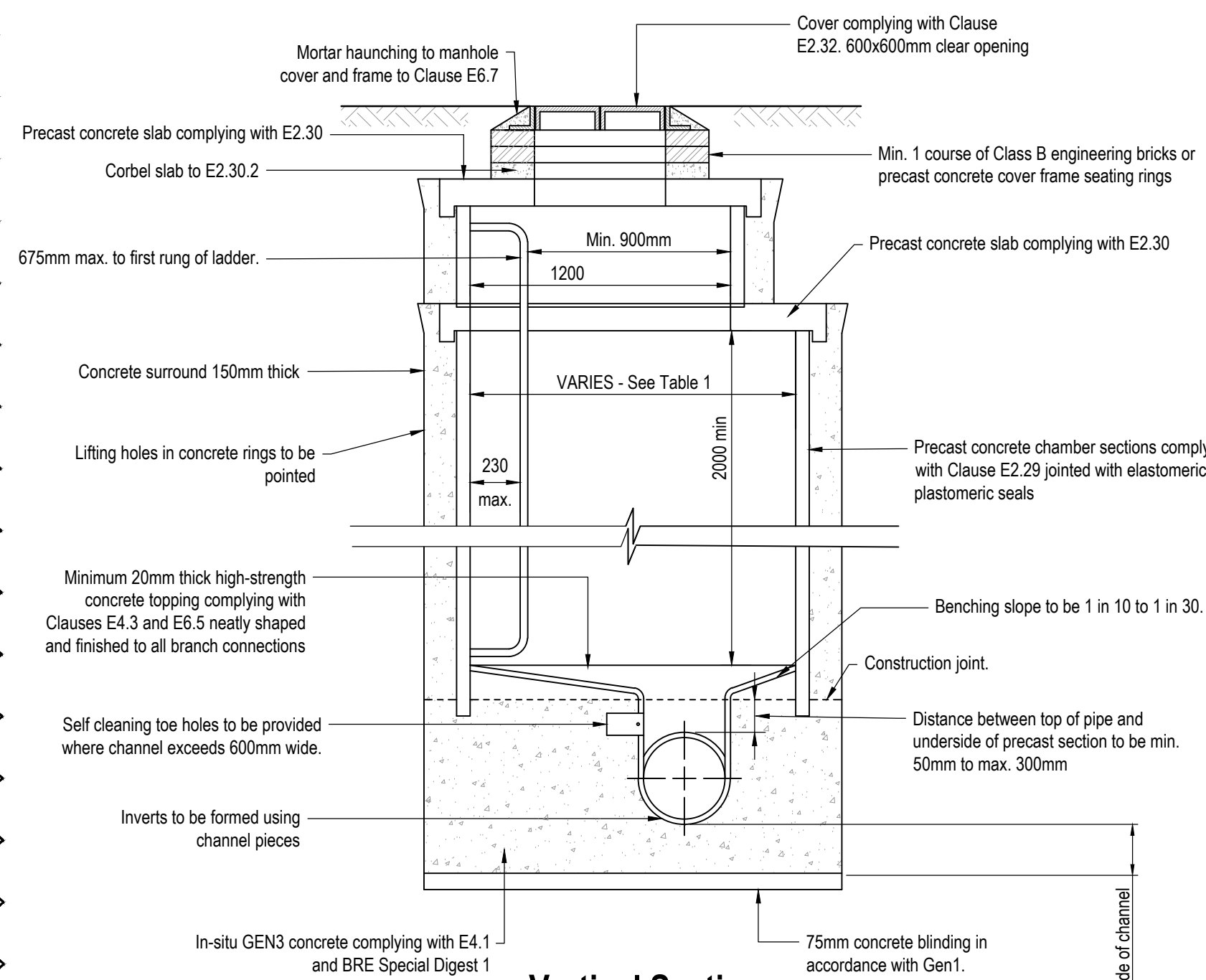
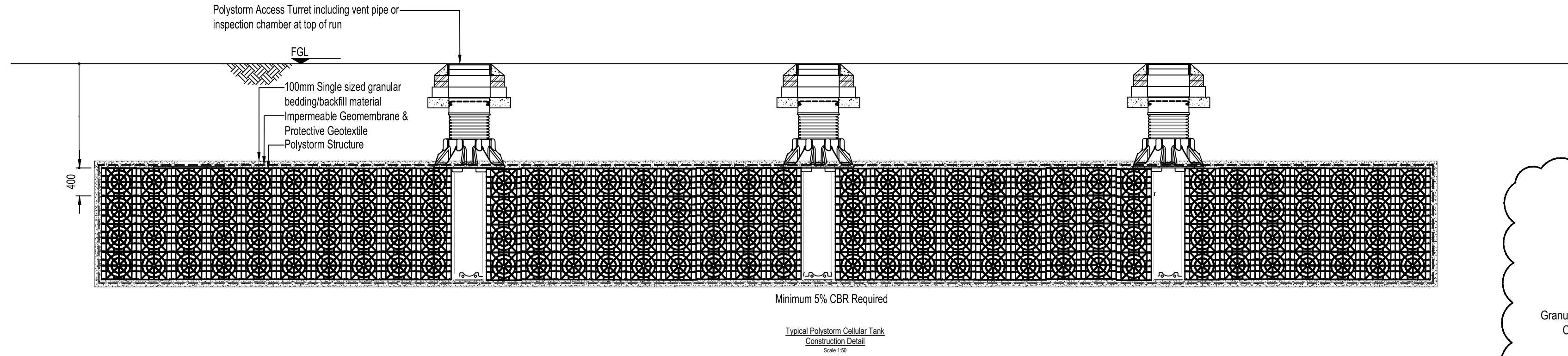
HAZARD IDENTIFICATION BOX

HAZARD IDENTIFICATION BOX			
This table is provided to assist the Principal Contractor to fulfil their obligations under the CDM Regulations 2015			
Hazard Ref	Hazard Type (Construction/Maintenance/ Clearing/Obstruction/Deposits)	Hazard Description	Mitigation Measures/ Residual Risk
⚠			

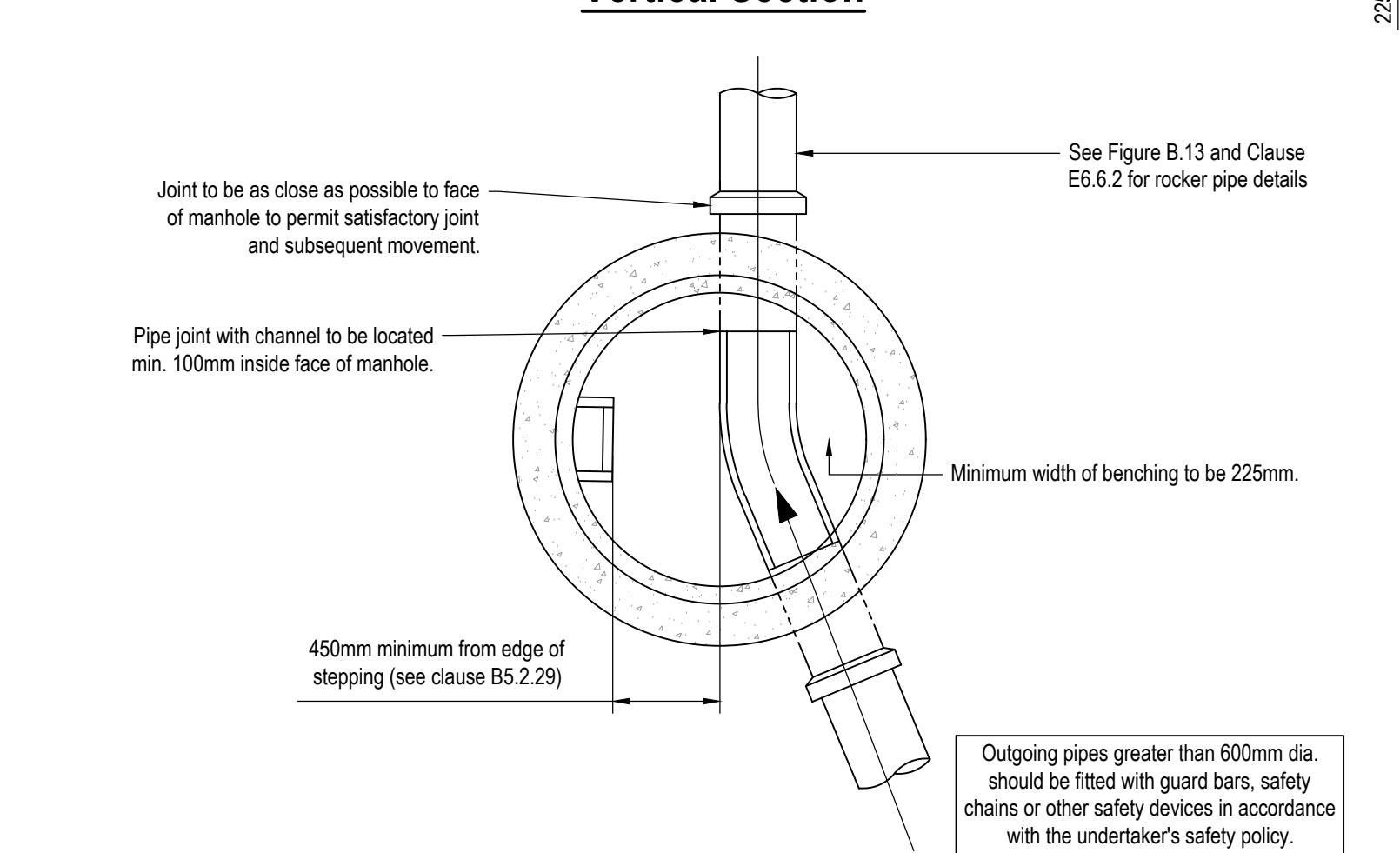
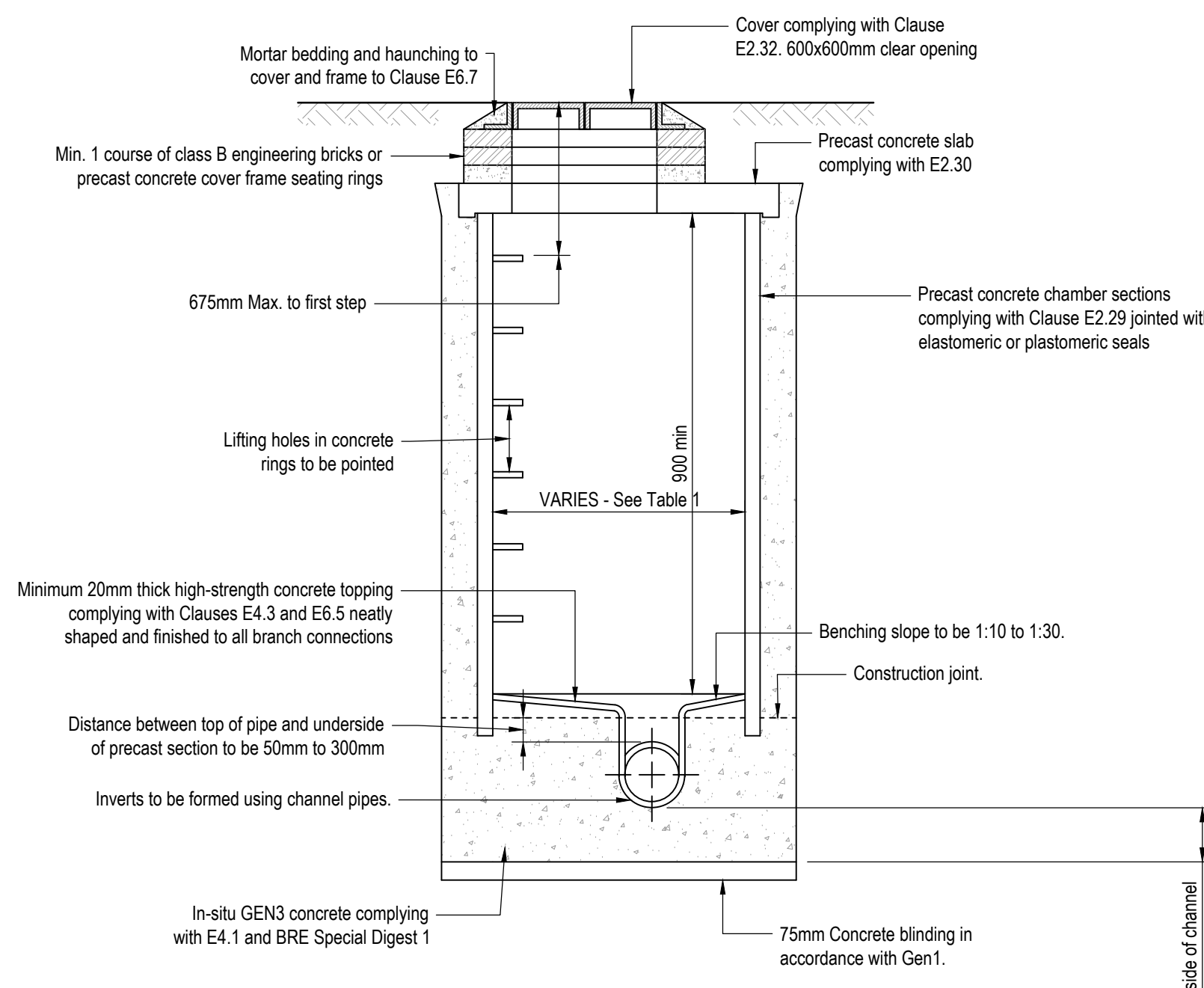
** Construction is subject to the following statutory approvals:

- S38
- S104
- S106
- S185
- Building Regulations

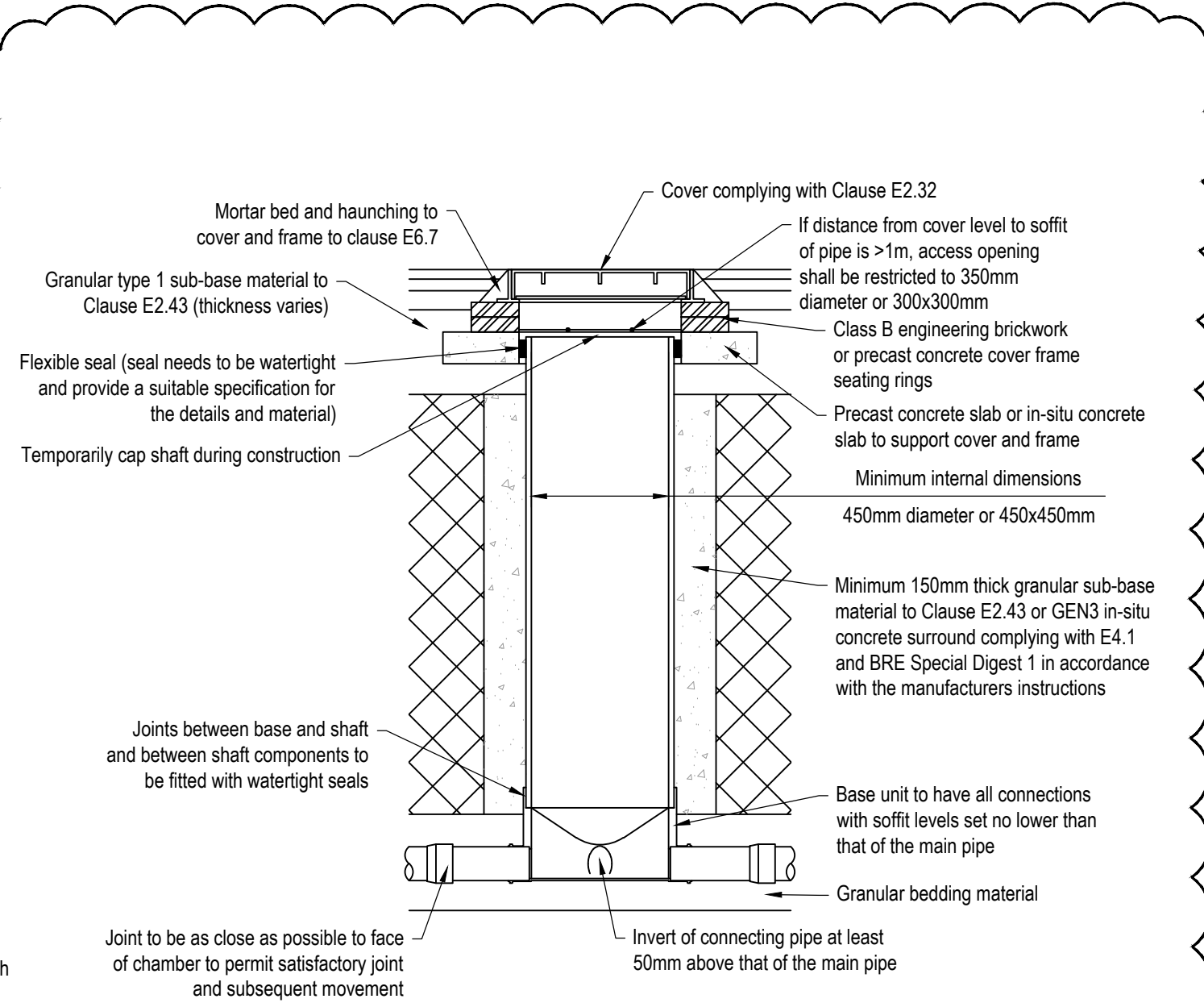
All construction works prior to the above approvals shall be at the Contractor's risk.



Typical Manhole Detail - Type "A"
Depth from cover level to soffit of pipe 3m to 6m with ladder and reducing slab
Rigid material construction with concrete surround
(Scale 1:25)



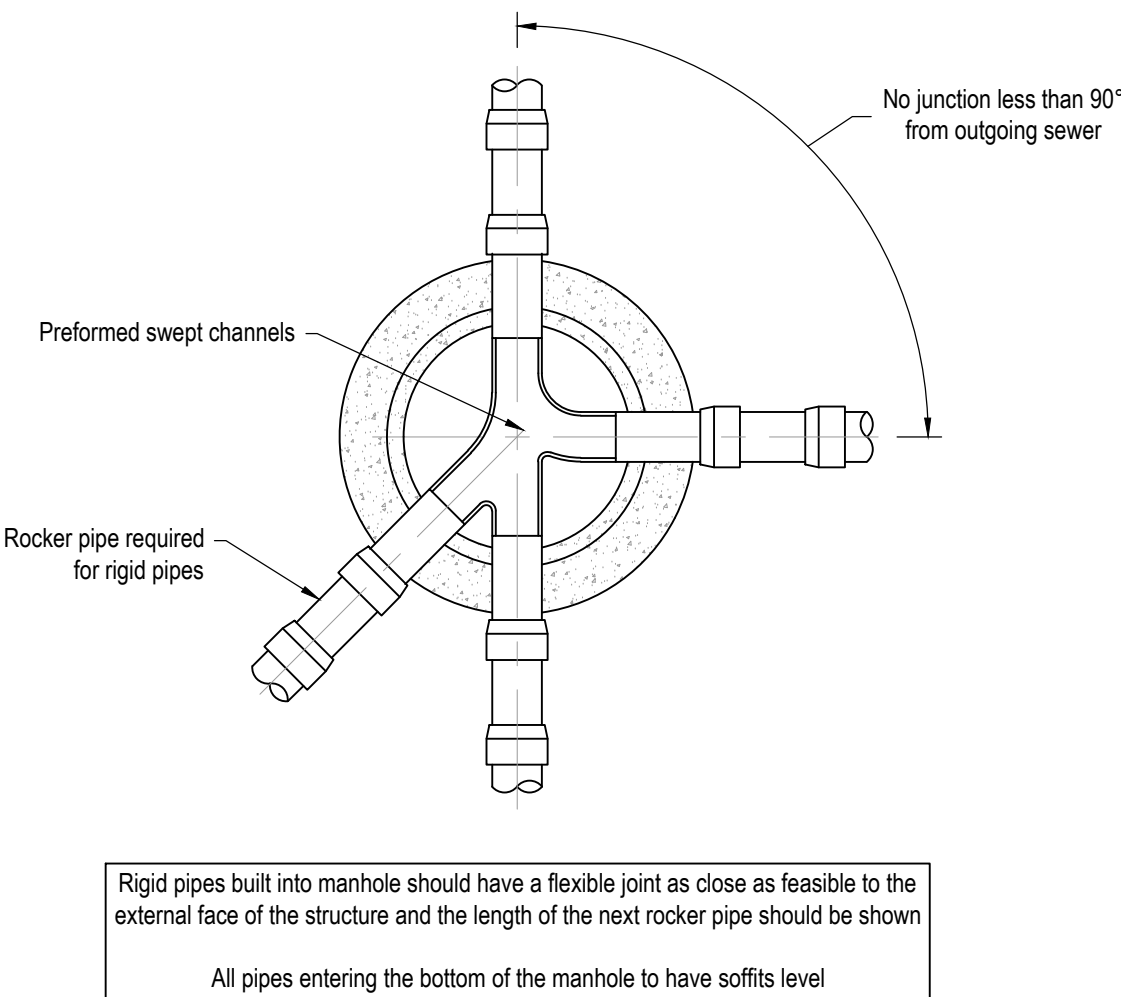
Typical Manhole Detail - Type "B"
Depth from cover level to soffit of pipe 1.5m - 3.0m
Rigid material construction with concrete surround
(Scale 1:25)



Typical Inspection Chamber Detail - Type D
Depth from cover level to soffit of pipe up to 3m
(Scale 1:20)

Table 1 - Manhole diameter	
Diameter of largest pipe in manhole (mm)	Internal diameter of manhole (mm)
Less than 375	1200
375 to 700	1500
750 to 900	1800

Sizes shown are the minimum. Where 2 or more pipes enter a manhole, the manhole size should be sufficient to accommodate adequate benching.



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)

Rev.	Date	Description	Dim / Chk / Appd
C02	12/09/2022	Added manhole construction details and S38 notes.	ZS/BD/-
C01	09/06/2022	Updated revision status	ZS/BD/BD
P01	31/01/2022	Issued for information	SG/ZS/BD

A5 - Approved/Stage Complete

JNP GROUP
CONSULTING ENGINEERS

Chesham • Brighouse • Bristol • Glasgow
• Hartlepool • Leamington Spa • Sheffield

www.jnpgroup.co.uk

Client: Reading Borough Council

Address: Wensley Road, Reading

Title: S.38-S.278 Construction Details
Sheet 5of5

Classification: FL_60_20
Scale @ A1: As Shown

Project: Originator - Volume/System - Level/Location - Type - Discipline - Number
M43794 - JNP - 90 - XX - DR - C - 3007

Reason: C02