

Building and site dimensions, levels and sewer invert levels at connection points and details that they are to be constructed to. The Contractor is to comply in all respects with current building regulations, British Standard Specifications, Building Regulations etc., whether or not specifically stated on the drawings.

Contracted any works of foundation to exist structures which do not accord with the stipulated conditions of the contract. Any support that ground or ground contaminants on or within the ground should be further investigated further by a suitable geotechnical expert. Special advice for ground only and Where existing trees are shown to be retained they should be subject to a full Arborescent inspection and a tree preservation order (TPO) should be obtained from the local authority. A foundation is to be provided to accommodate the proposed free lifting, where applicable.

GENERAL NOTES

1. All drawings to be referred for additional under Section 104 of the Uniform Building Act 1991 shall be constructed in accordance with Schedules for Adoption (for Edition 8) Thames Water requirements.

2. Pipes to have a Class S bed and surround where depths from cover to pipe soffit are greater than 1.2m.

3. Where the manhole cover to pipe soffit is less than 1.2m then concrete protection is to be provided.

4. Day pipes should be extra strength vitrified clay with slipclay and socket flange joints to BS EN 285.

5. Concrete pipes should be concrete with slipclay and socket flange joints to BS EN 11.

6. All concrete and concrete products to be sulphate resisting.

7. Plastics are not acceptable for any pipes or fittings forming part of the public sewer system, including fittings forming any part of any connection to the public sewer.

8. All work to be completed in accordance with the relevant standards and specifications.

FOR CONSTRUCTION

Subject to Section 38 & 104 approval

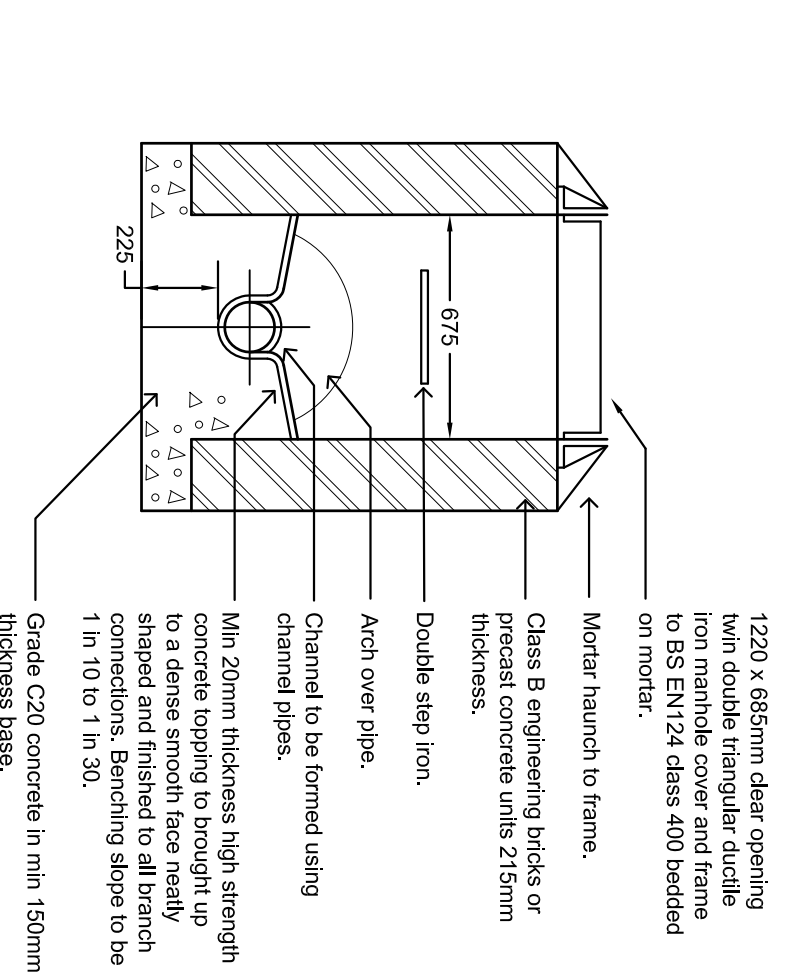
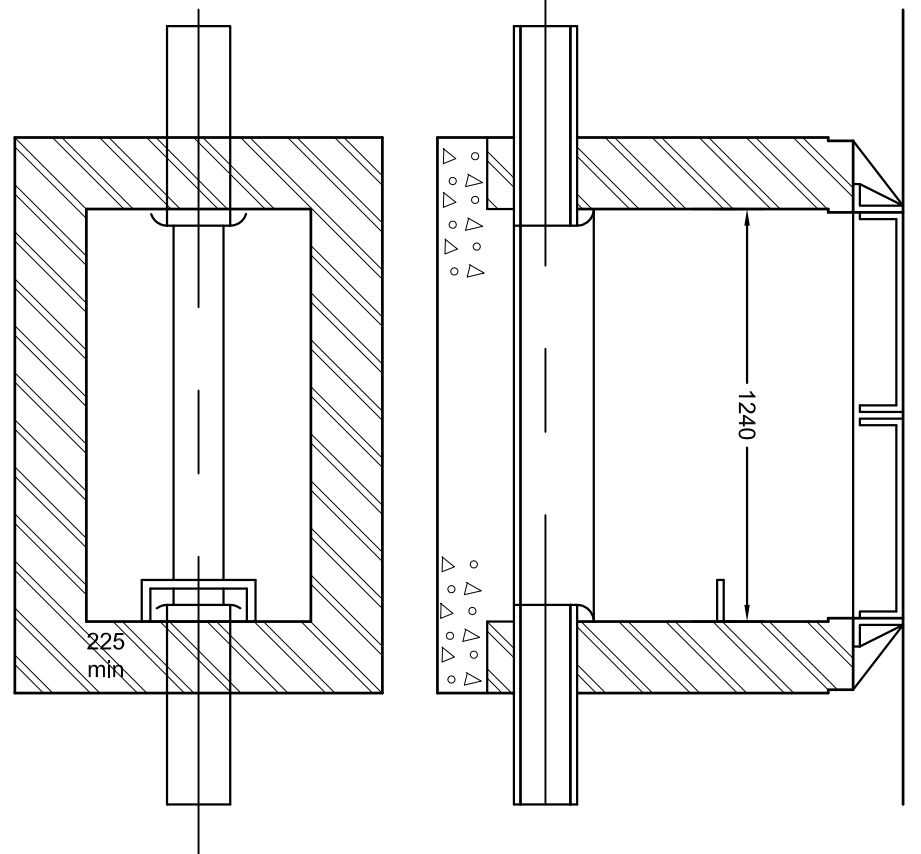
Rev.	Description	Date	By
A	Drawings issued complete for Construction	26/06/15	GB
1	Pre-release	15/07/15	AB

Colefield Farm  
Bodicote

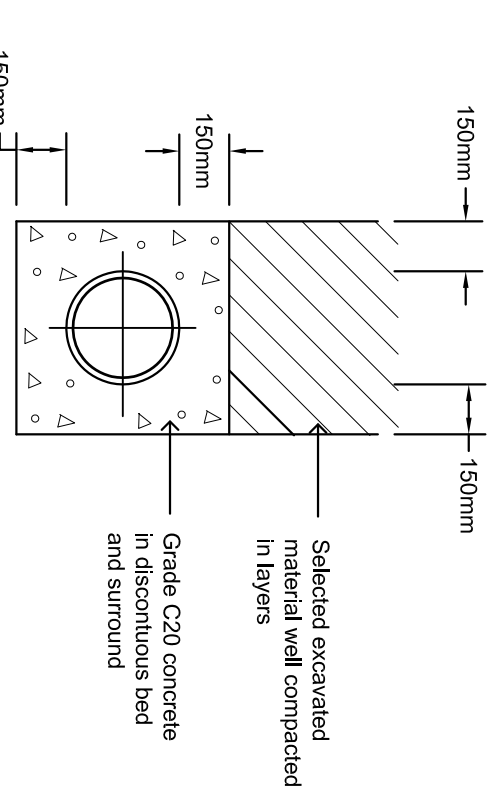
Adaptable Drainage Construction Details

Scale	NTS	Drawn	CF
Date	June 2015	Checked	JB
File		Drawing	15031-310 A

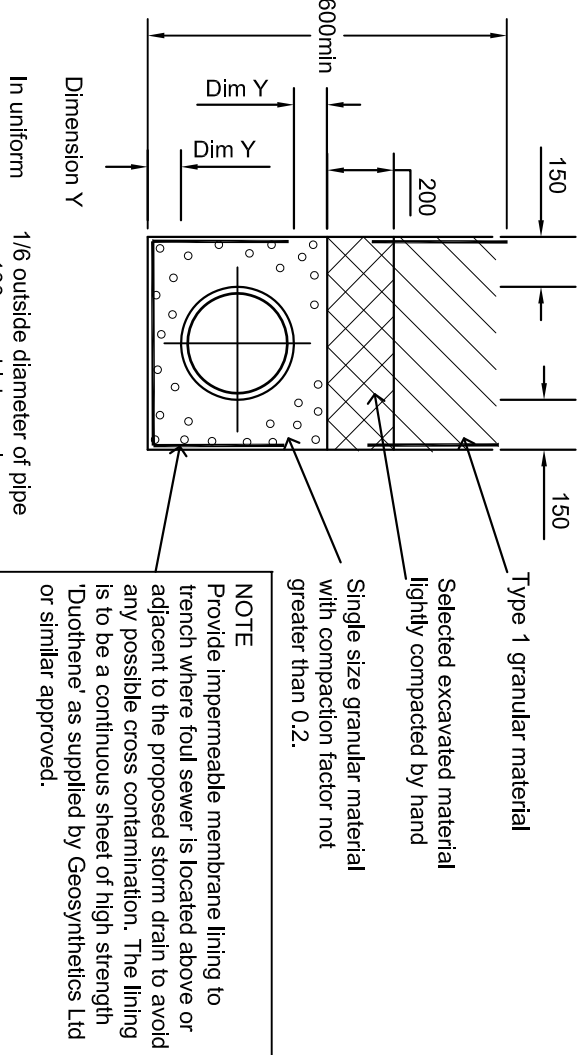
CIVIL STRUCTURAL & ARCHITECTURAL DESIGN SERVICES  
10-11 Birmingham Street, Halesowen, West Midlands B63 3HN  
Tel: 0121 687 1500 Fax: 0121 687 1501  
Email: mail@barnesga.com



Type C Manhole  
Depth from ground level to soffit:  
of pipe 1.0m to 1.5m



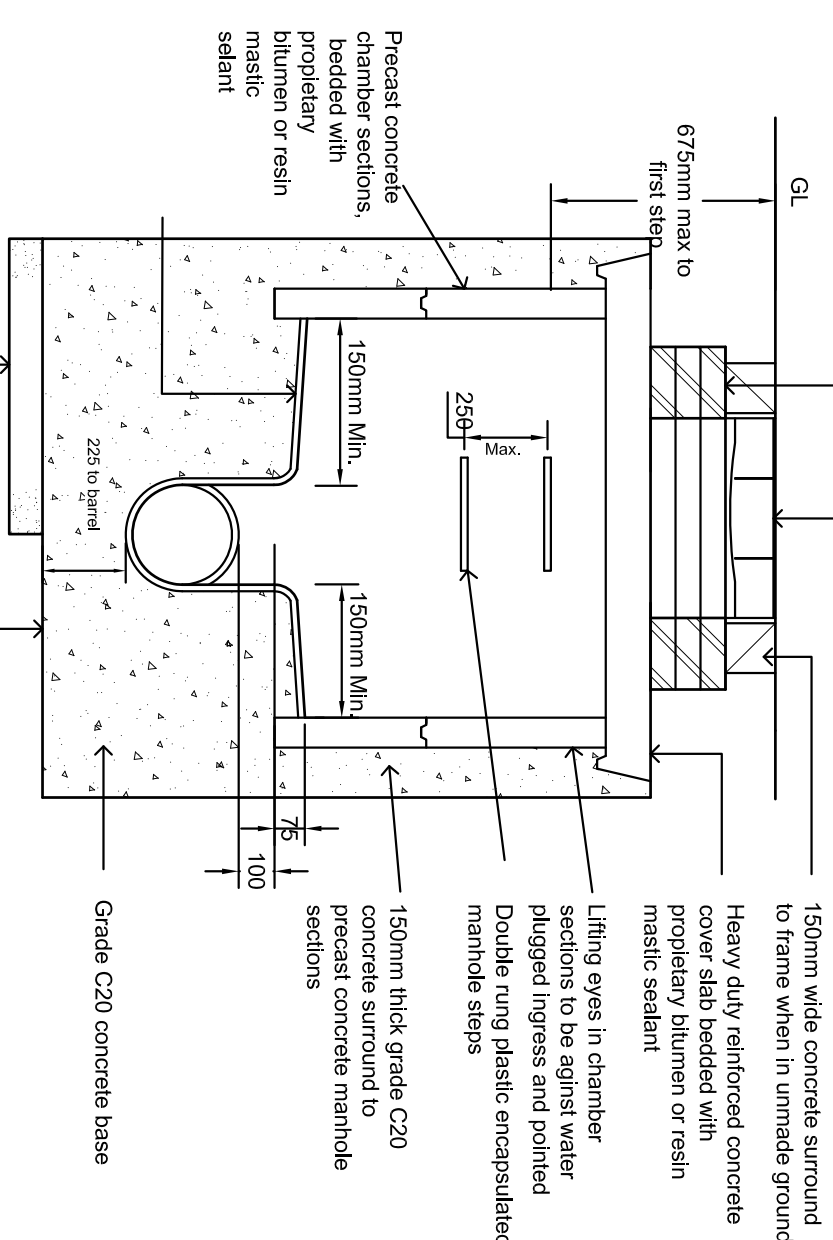
Concrete Protection  
Concrete protection shall be  
interrupted at each pipe joint  
by shaped compressible filler



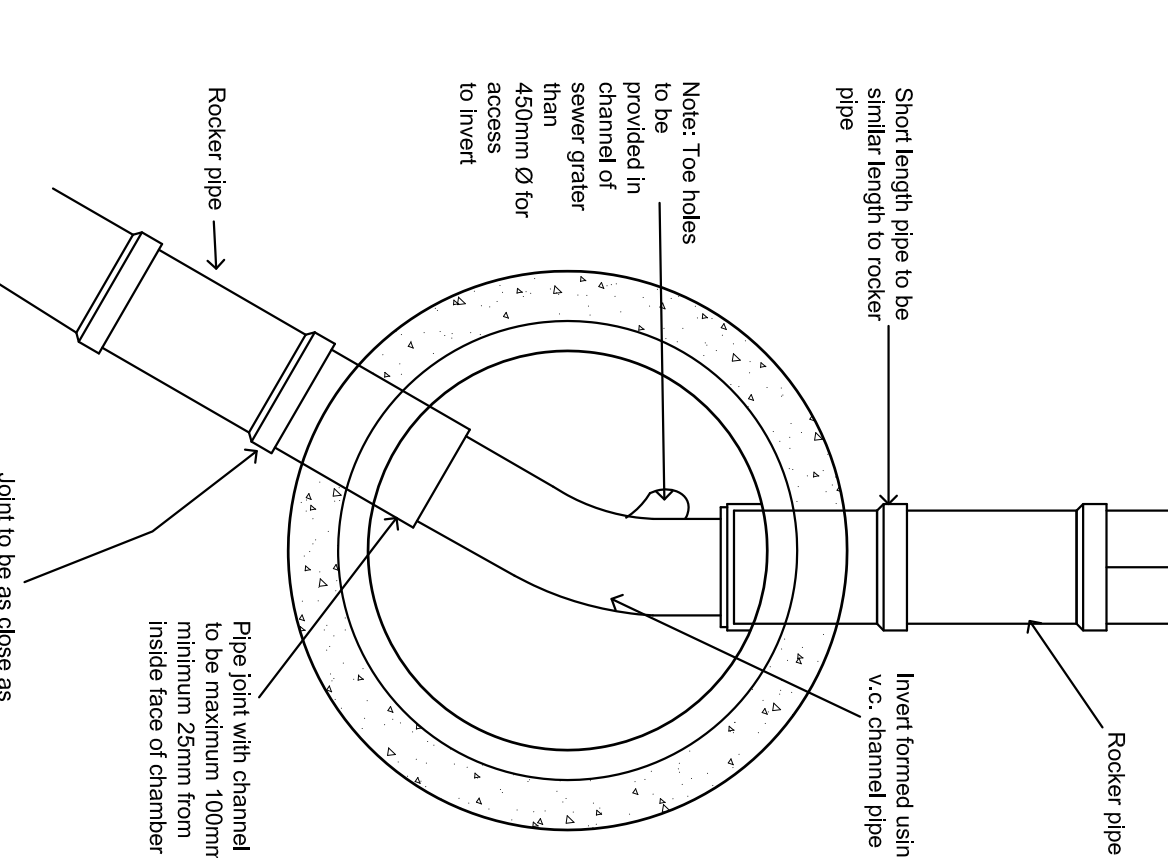
NOTE  
Provide impermeable membrane lining to trench where foul sewer is located above or adjacent to the proposed storm drain to avoid any possible cross contamination. The lining should be supplied by Geosynthetics Ltd or similar approved.

Class S Bedding  
In rock:  
greater.

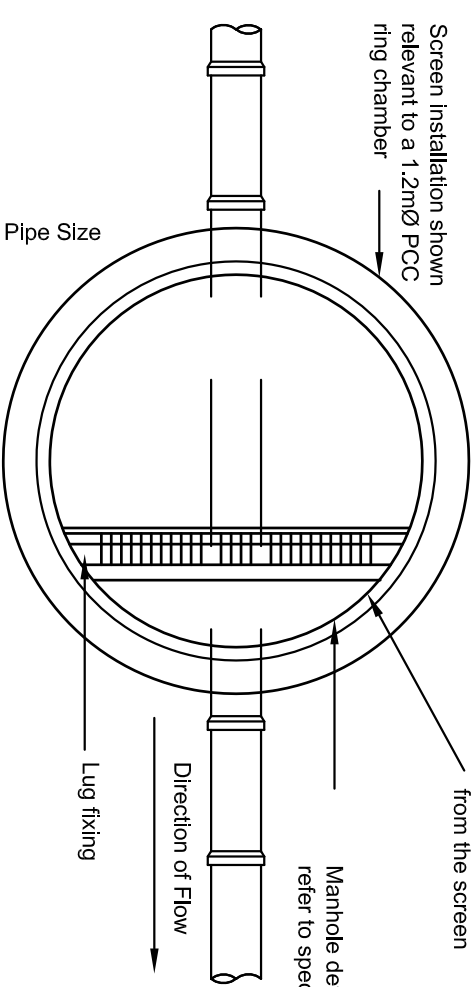
2-4 courses of class 'B' engineering bricks laid in highways or class M1 mortar in ground



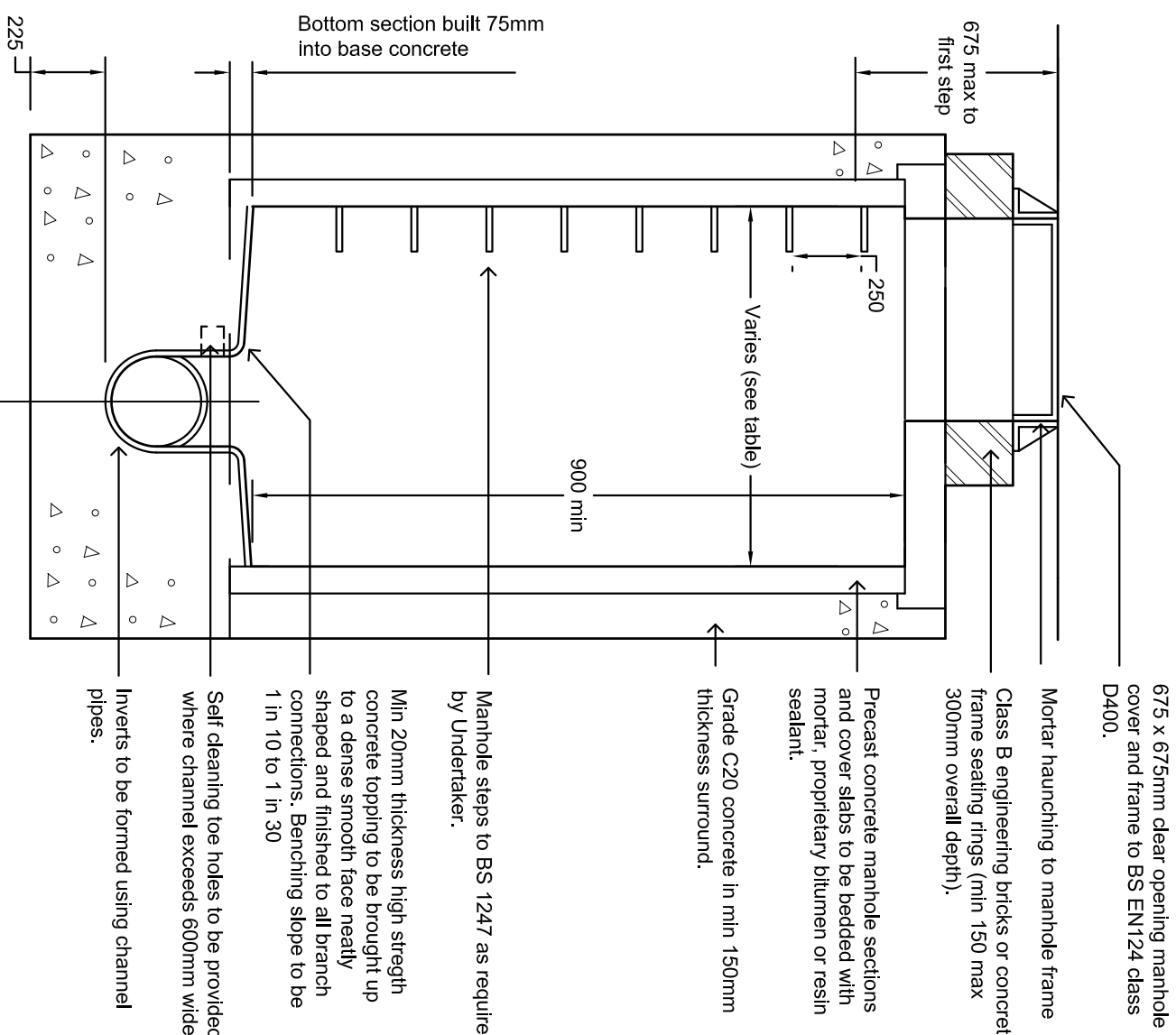
Type E Manhole  
Depth from ground level to soffit:  
of pipe 1.0m to 1.5m (Max Pipe Size 575mm)



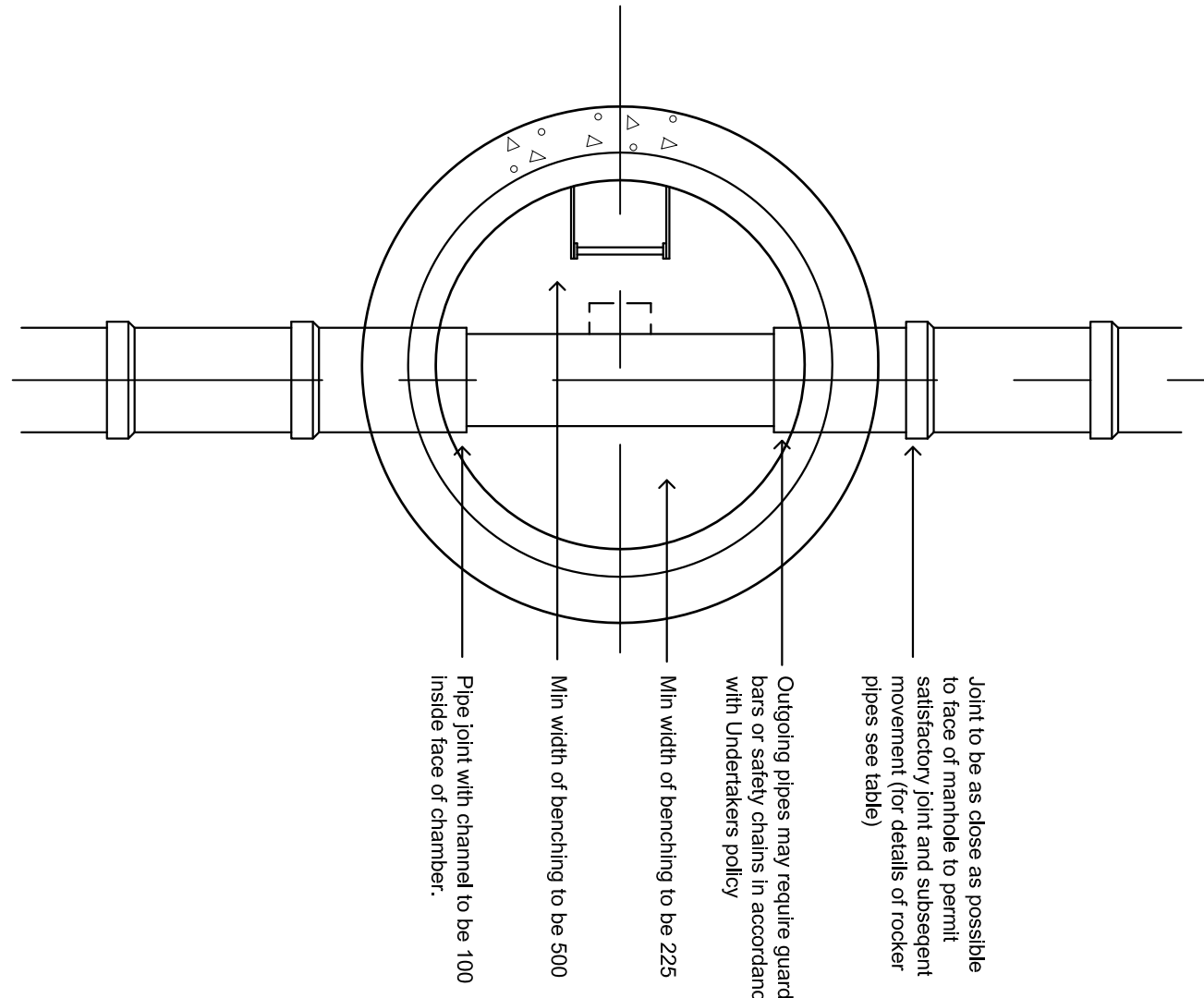
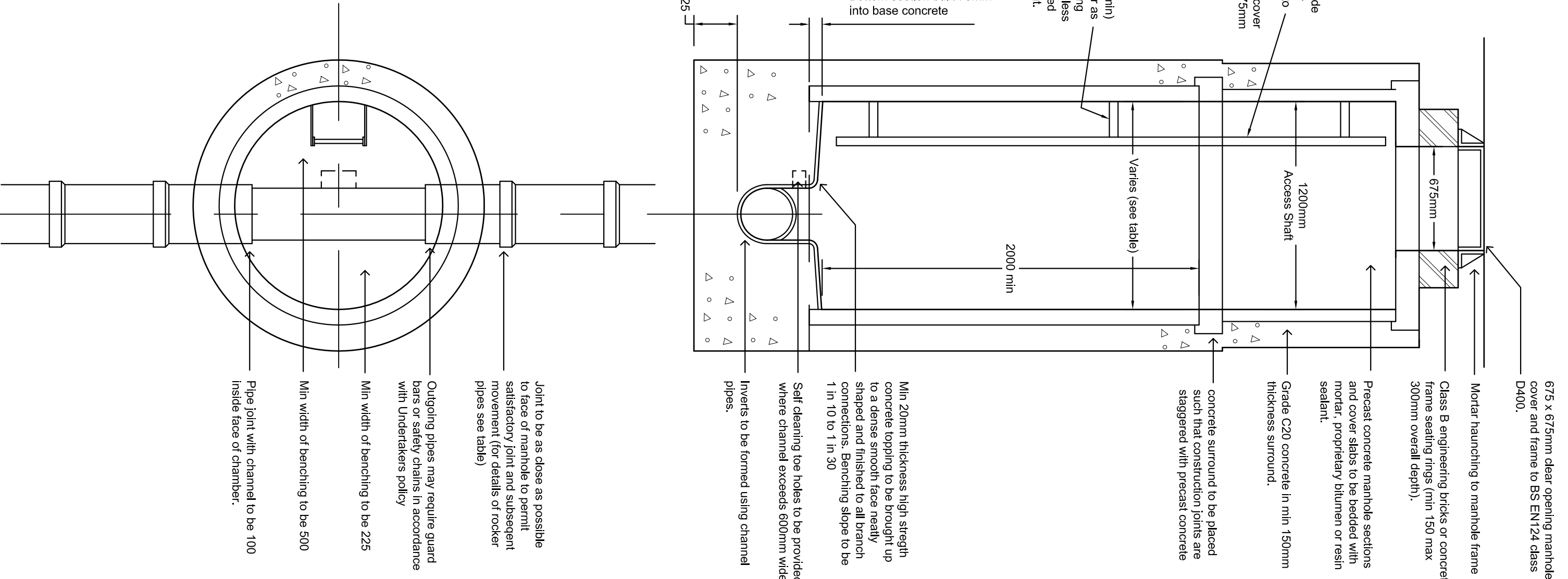
Type E Manhole  
Depth from ground level to soffit:  
of pipe 1.0m to 1.5m (Max Pipe Size 575mm)



Type B Manhole  
Maximum depth from ground level  
to soffit of pipe 3m



Type B Manhole  
Maximum depth from ground level  
to soffit of pipe 3m



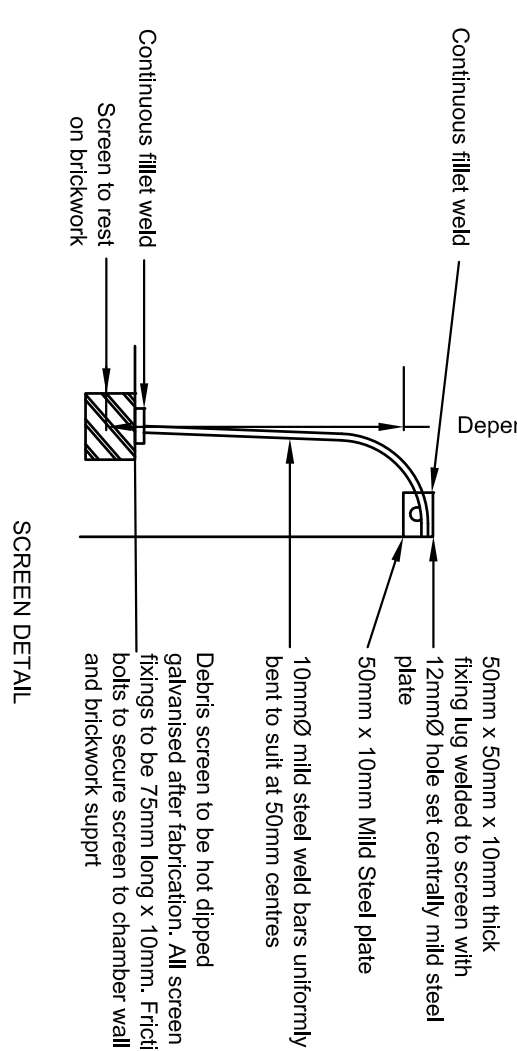
Type A Manhole  
Depth from ground level to  
soffit of pipe 3m to 6m

Pipe diameter (mm)	Effective length (m)
150-600	0.60m
675-900	1.00m
825 and over	1.25m

Diameters of manholes

Diameter of largest pipe in manhole (mm)	Internal diameter of manhole (mm)
Less than 375	1200
375-700	1500
750-900	1800
Greater than 900	Consult Undertaker

Debris Screen Detail  
Manhole size & type varies



SCREEN DETAIL