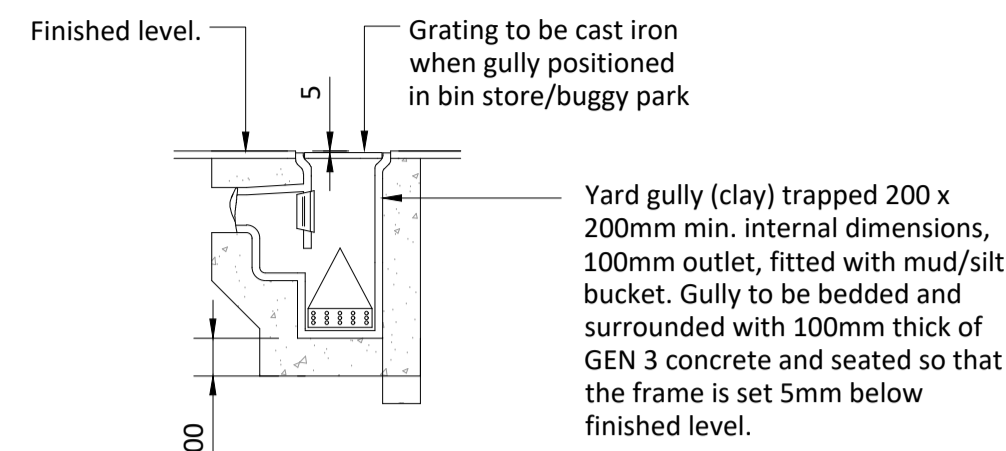
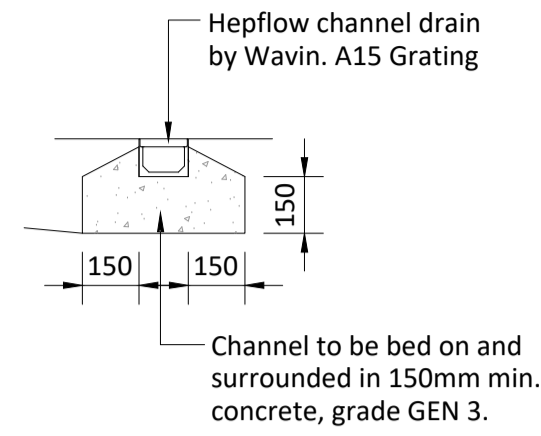


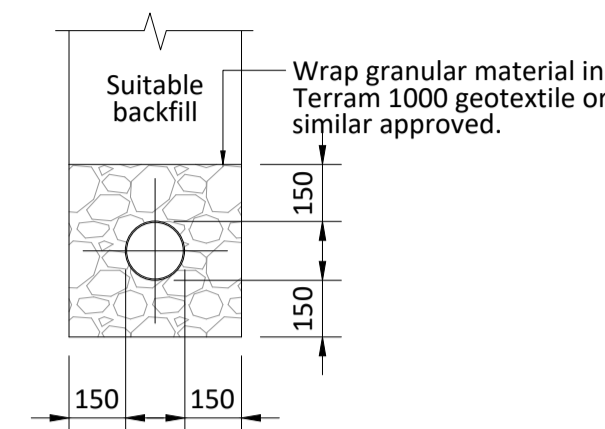
1. The design, drawings and all included information are the sole copyright of Morgan Engineering Consultants and no element shall be reproduced without consent in writing. 2. All drawings shall be read in conjunction with all Structural/Civil Engineering drawings, the MEC specification and drawings produced by the Architects, M&E Engineers, Sub-Contractors etc. 3. All setting out is to be confirmed by the Architect. 4. The Contractor is to check and confirm all setting out dimensions before commencing works. Where dimensions are shown on MEC's drawings, any discrepancies are to be reported asap. 5. Dimensions must not be scaled from MEC's drawings. 6. All dimensions are in millimeters unless noted otherwise. 7. Reference is to be made to construction and structural notes on drawing S-00 and the accompanying MEC Structural Specification.



Typical Yard Gully
Scale 1-20

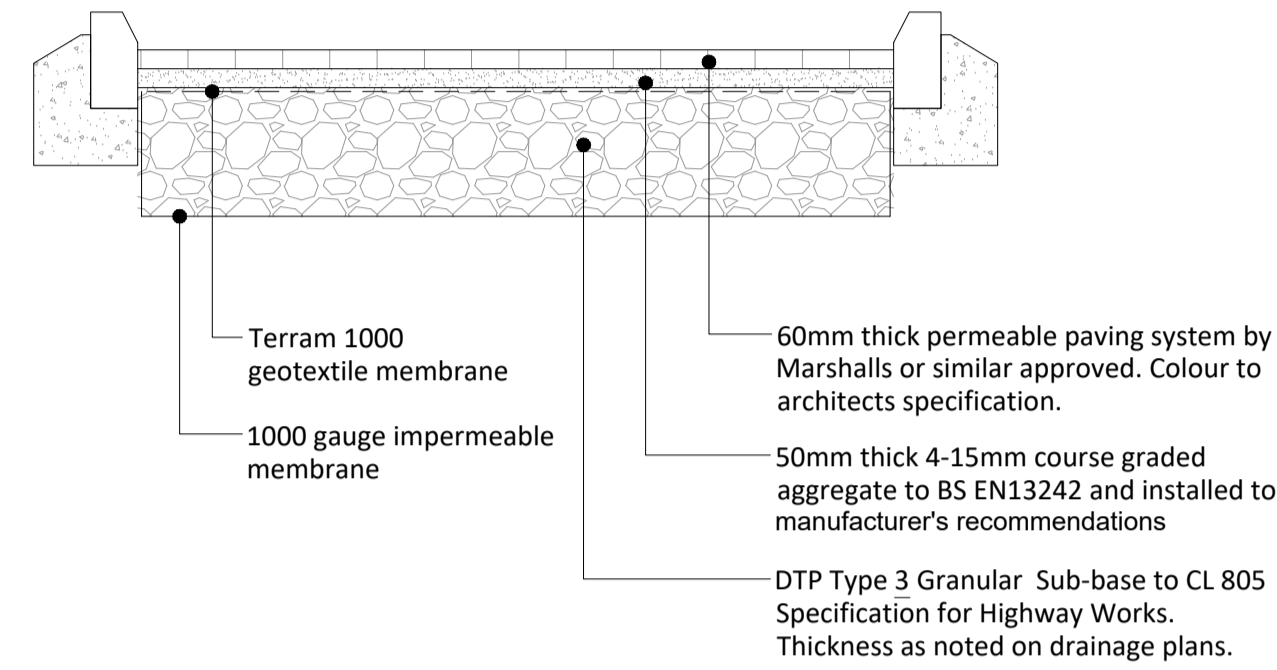


Typical Channel Drain
MD100 by ACO
Scale 1-20

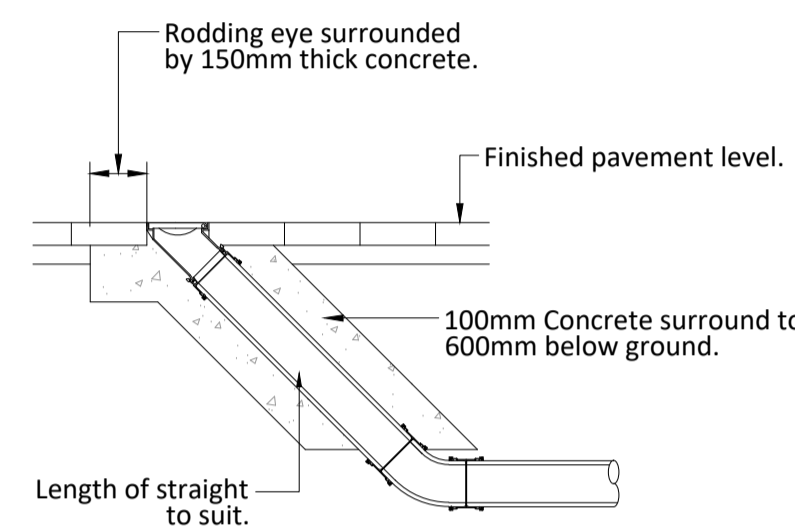


Minimum bed and surround thickness shall be the greater of 150mm or pipe OD / 4

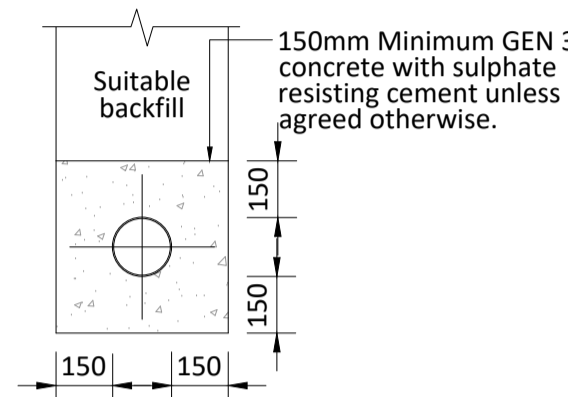
Type S Bedding
Granular Bed and Surround
(Depth to soffit >1.2m)
Scale 1-20



Typical Permeable Construction
Rigid Construction Parking Area - NON INFILTRATION
Design 3% < CBR < 4%
Scale 1-20

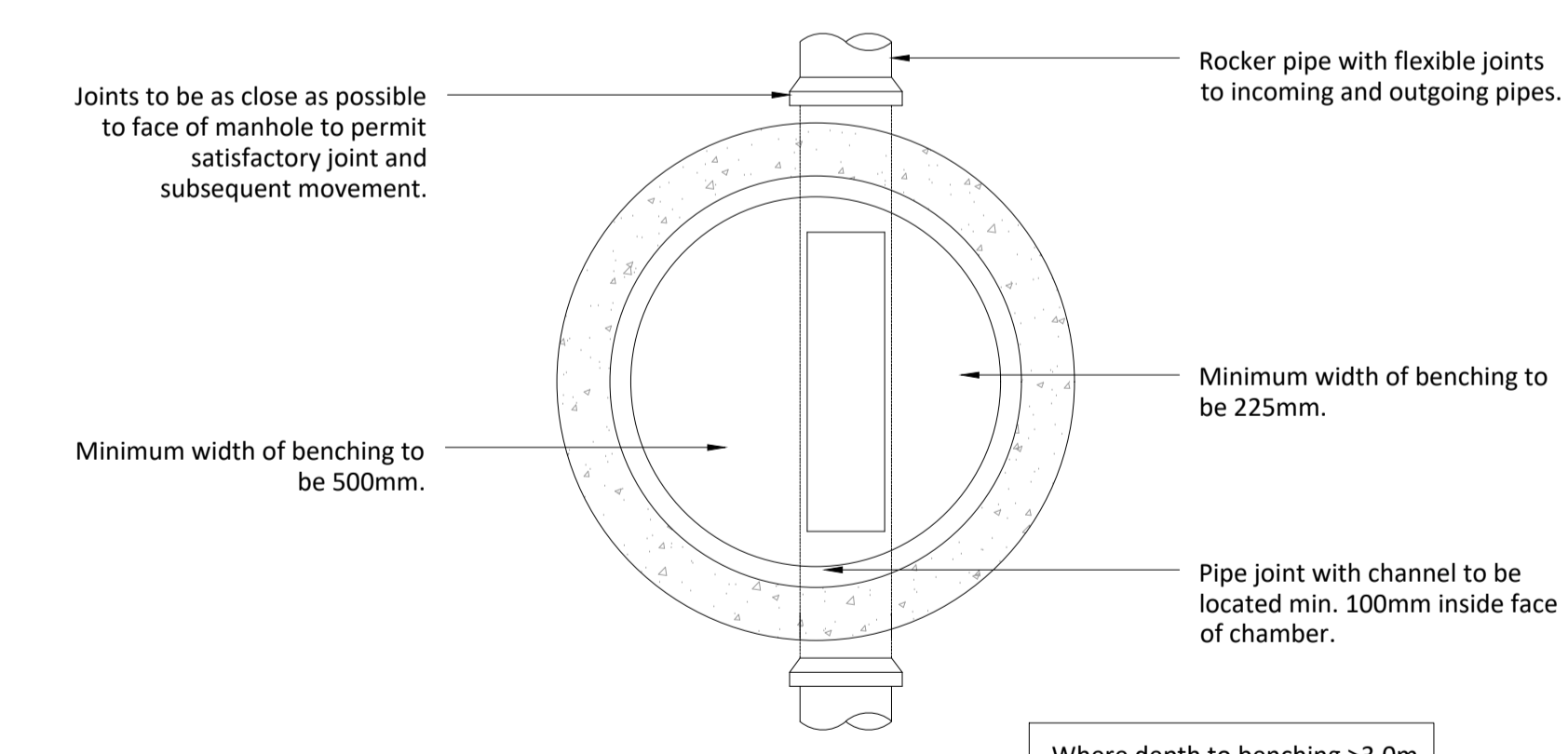
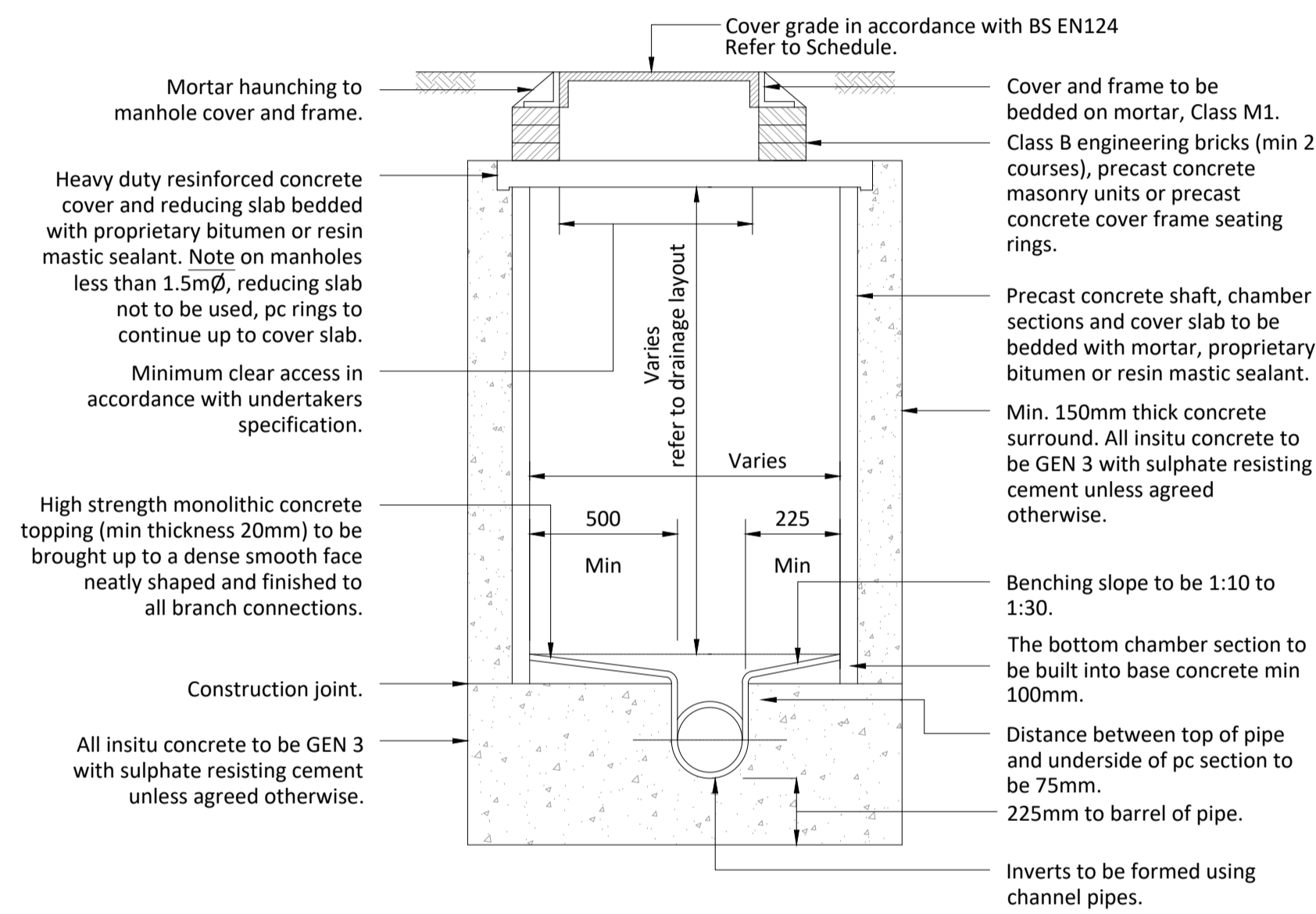


Typical Rodding Eye Access
Scale 1-20



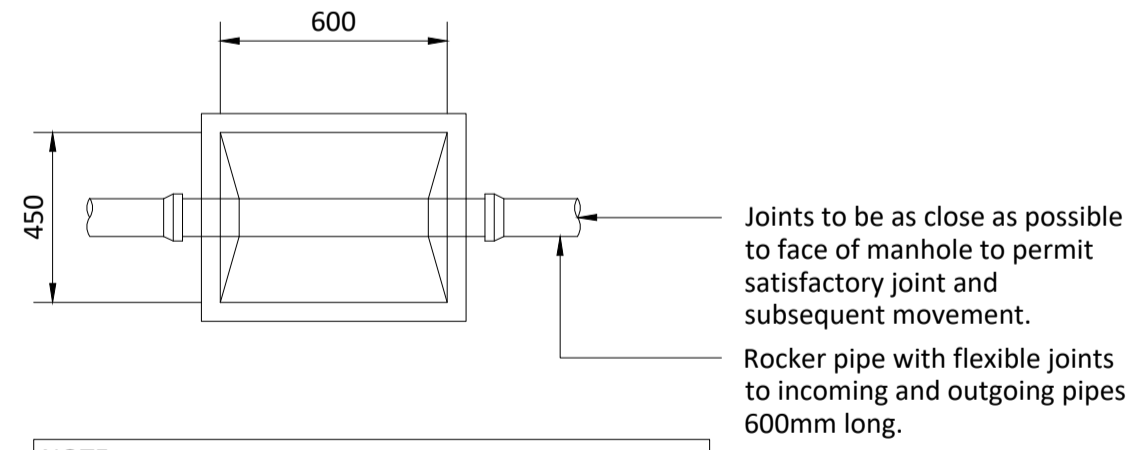
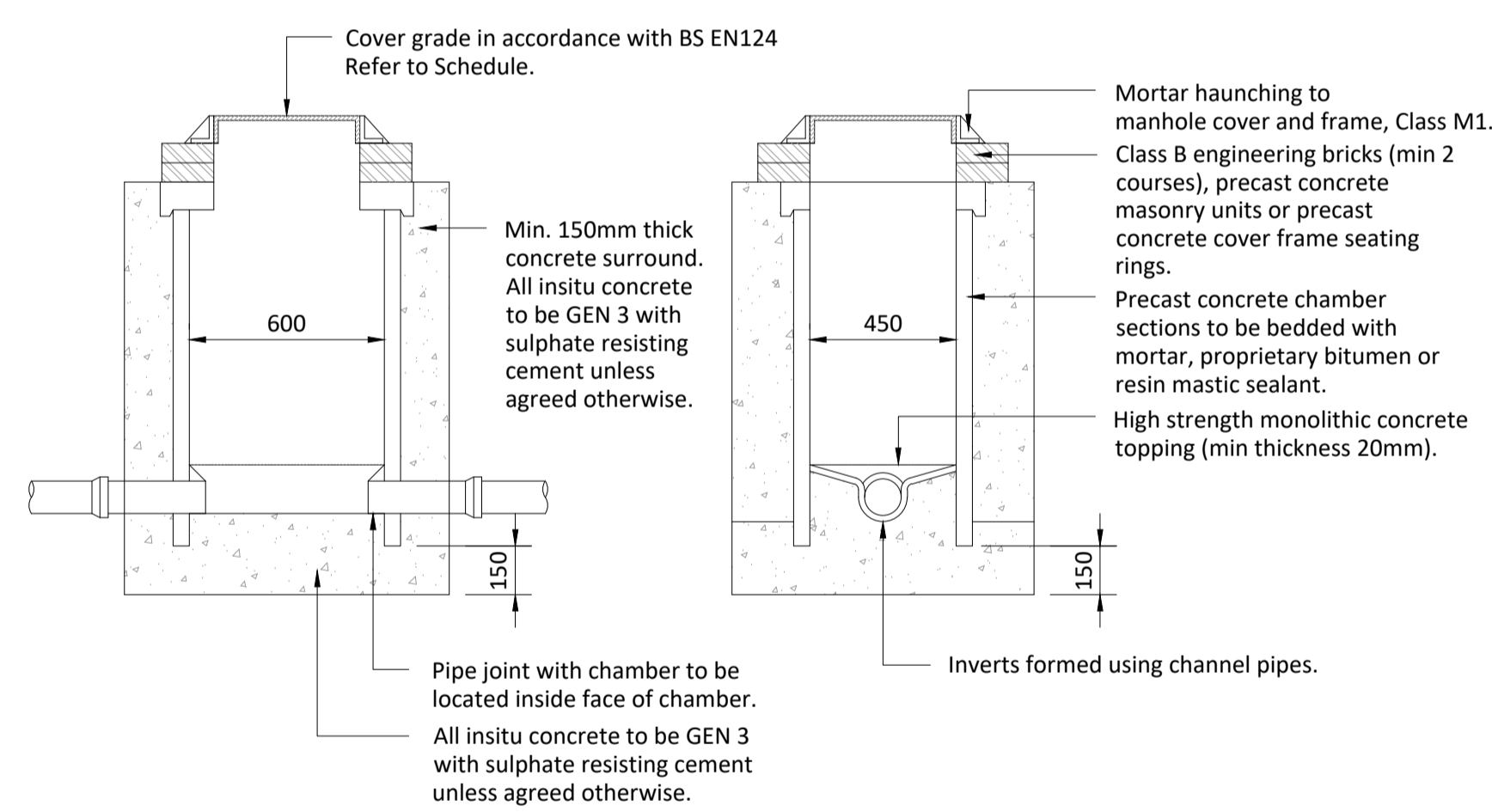
Minimum bed and surround thickness shall be the greater of 150mm or pipe OD / 4

Type Z Bedding
Concrete Bed and Surround
(Depth to soffit <1.2m)
Scale 1-20



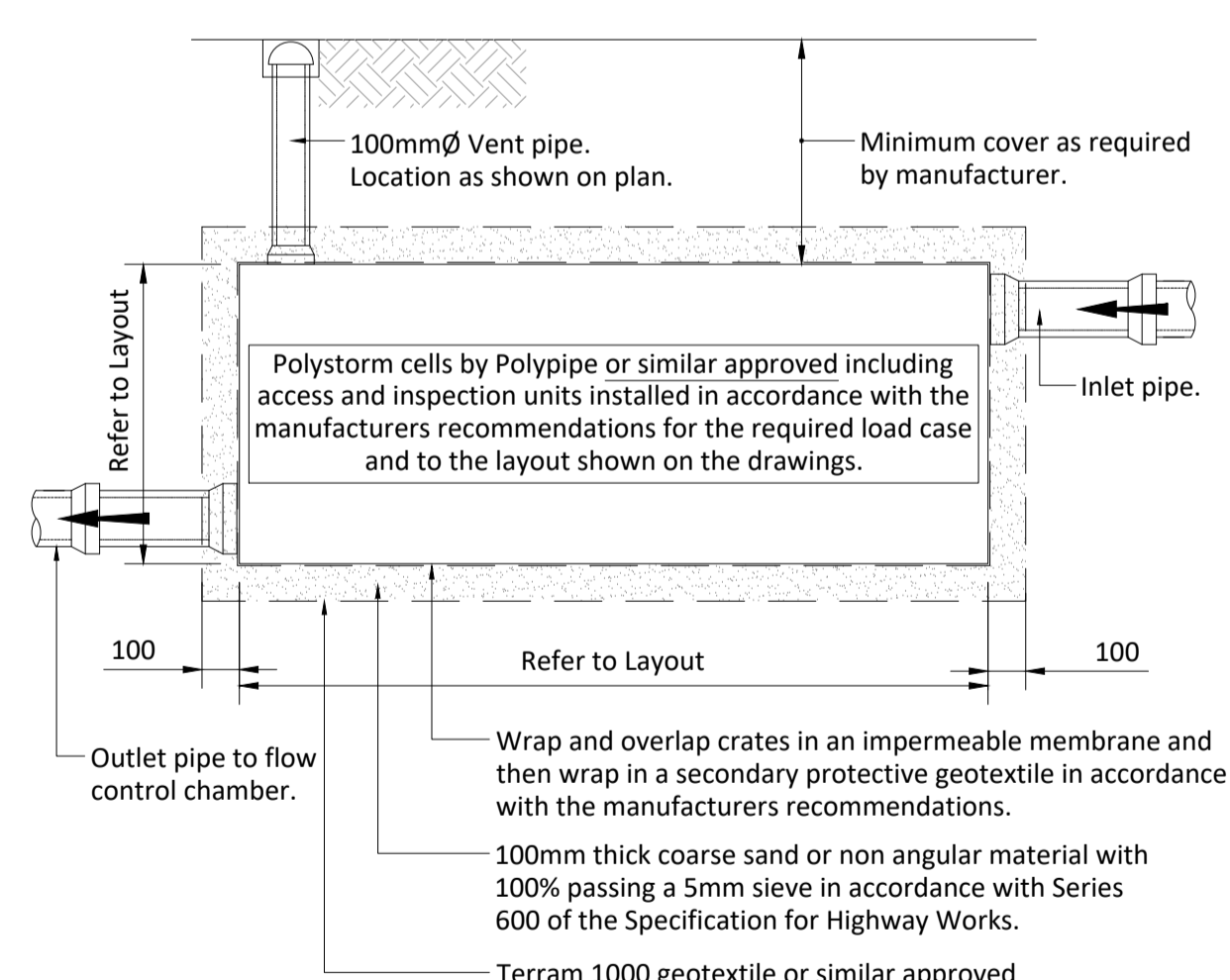
Where depth to benching >3.0m Type D, Class 1, double encapsulated step rungs in accordance with BS EN 13101 are required.

Typical Pre Cast Manhole Detail
Max Depth from Ground Level to Soffit of 3.0m
Scale 1-20

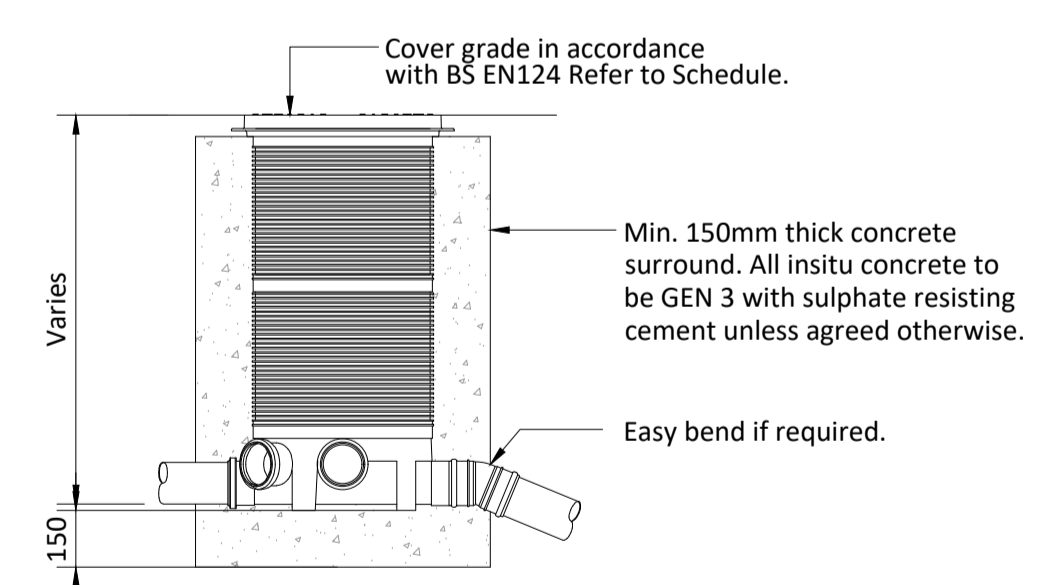


NOTE:
For all Inspection Chambers greater than 1200mm in depth, provide a reducer section 300mm Dia to make these a non-entry chamber.

Typical PC Inspection Chamber
Type 3 Rigid Construction
600x450mm Private or Demarcation Chambers
Scale 1-20



Typical Attenuation Tank Detail
Sealed Geo-Cellular System
Refer to Plan for Required Layout
Scale 1-20



NOTE:
For all Inspection Chambers greater than 1200mm in depth, provide a reducer section 300mm Dia to make these a non-entry chamber.

Typical Inspection Chamber
450mmØ Polypropylene
Scale 1-20

A1	Client: BYFORD & HAMMOND	Project: SPARLINGS FARM CHELMSFORD ROAD BARNSTON, CM6 1LP	Drawing Title: TYPICAL DRAINAGE DETAILS	Location: LONDON . ESSEX . SURREY . SUFFOLK . KENT STRUCTURAL & CIVIL ENGINEERS		<table border="1"> <tr> <td>P1</td> <td>P</td> <td>26.01.24</td> <td>PRELIMINARY ISSUE</td> <td>JM</td> <td>DP</td> </tr> <tr> <td>REV</td> <td>STATUS</td> <td>DATE</td> <td>DESCRIPTION</td> <td>BY</td> <td>CHK</td> </tr> </table>	P1	P	26.01.24	PRELIMINARY ISSUE	JM	DP	REV	STATUS	DATE	DESCRIPTION	BY	CHK
						P1	P	26.01.24	PRELIMINARY ISSUE	JM	DP							
REV	STATUS	DATE	DESCRIPTION	BY	CHK													
<table border="1"> <tr> <td>Drawn by:</td> <td>Checked by:</td> <td>Date:</td> <td>Scale at A1:</td> </tr> <tr> <td>JM</td> <td>DP</td> <td>JAN 2024</td> <td>AS STATED</td> </tr> </table>	Drawn by:	Checked by:	Date:	Scale at A1:	JM	DP	JAN 2024	AS STATED										
Drawn by:	Checked by:	Date:	Scale at A1:															
JM	DP	JAN 2024	AS STATED															
<p>Issue Status: PRELIMINARY</p>																		
<p>Ref: 2401-08-C-15</p>					<p>Rev: P-</p>													

Colchester Office 01206 259 360 / 07708 446 575
London Office 0204 534 5593 / 07738 439 500
Email: office@morganeng.co.uk
Web: www.morganeng.co.uk