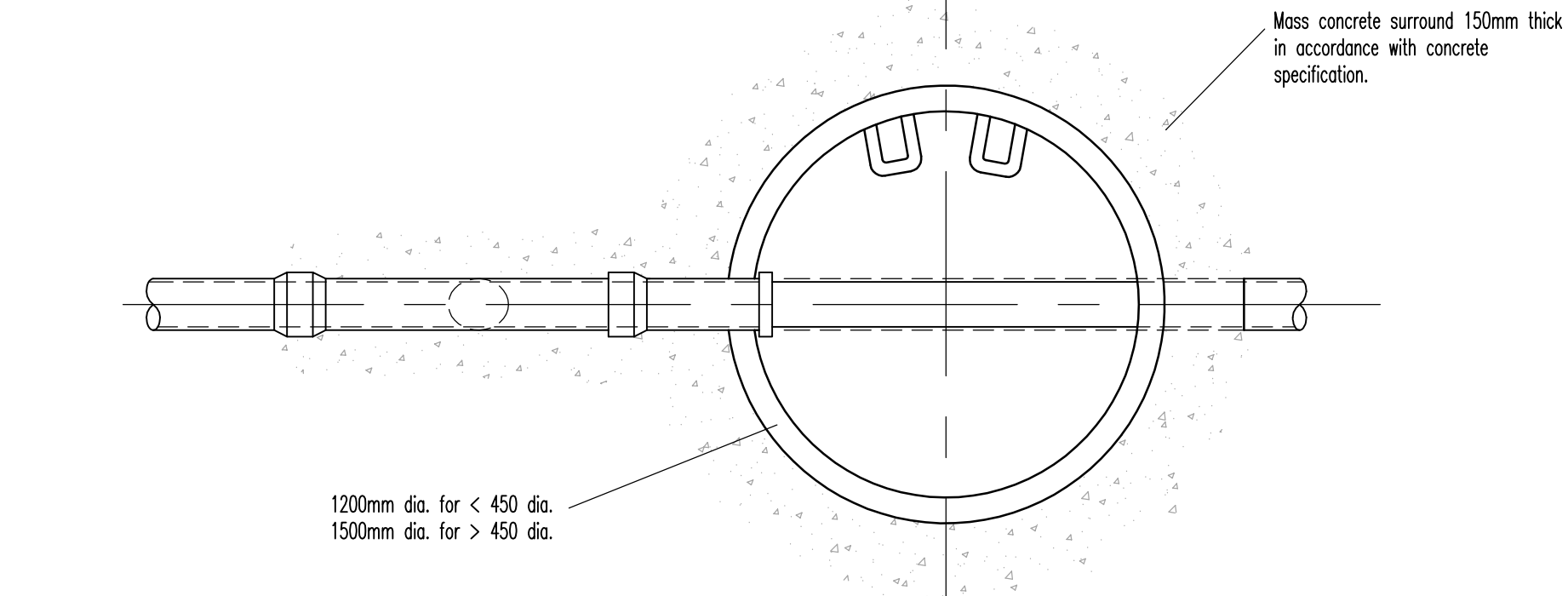
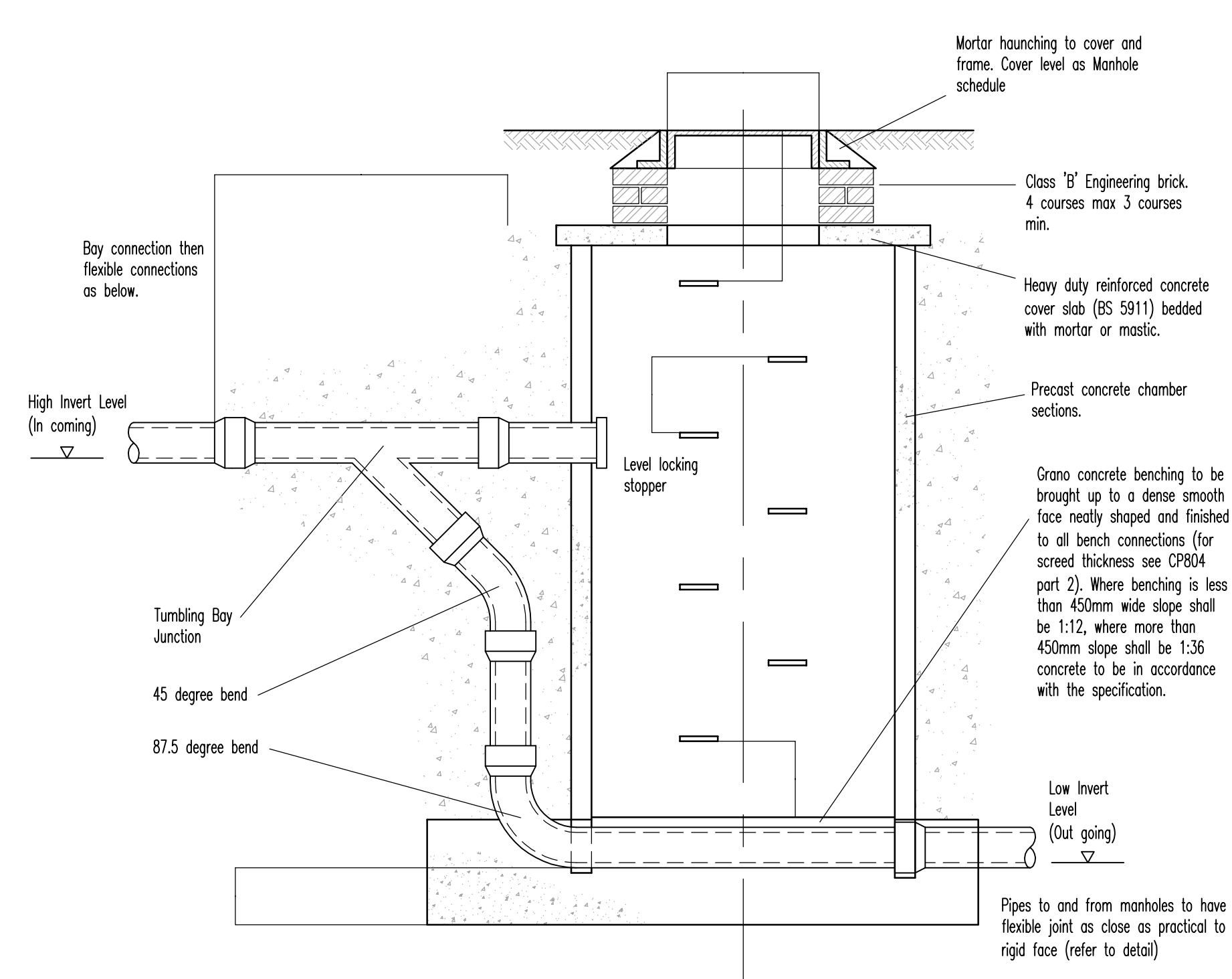
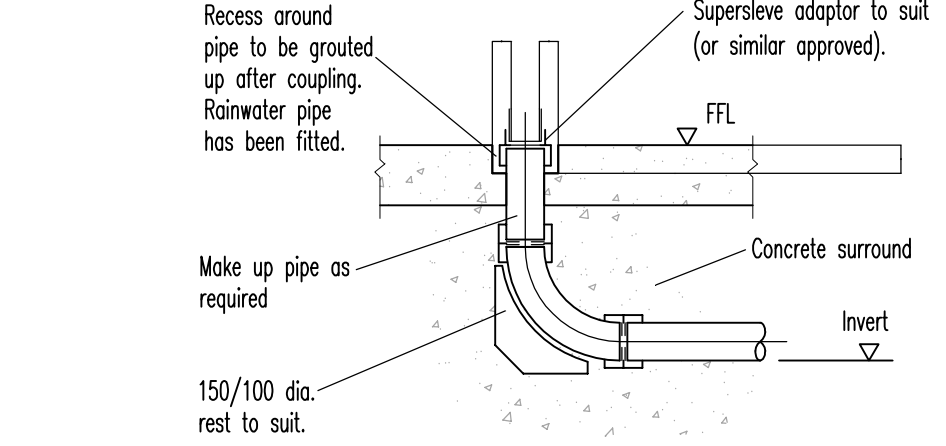
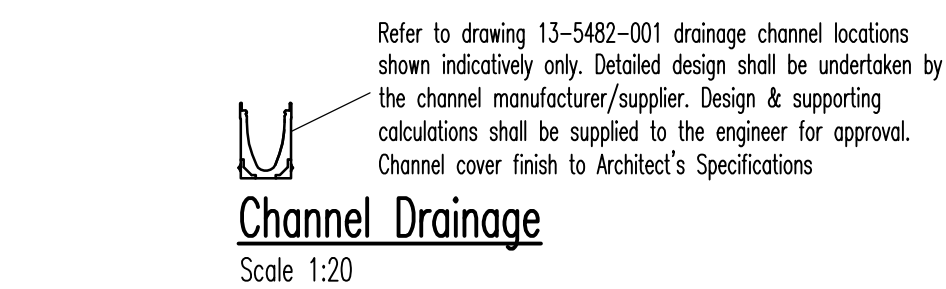


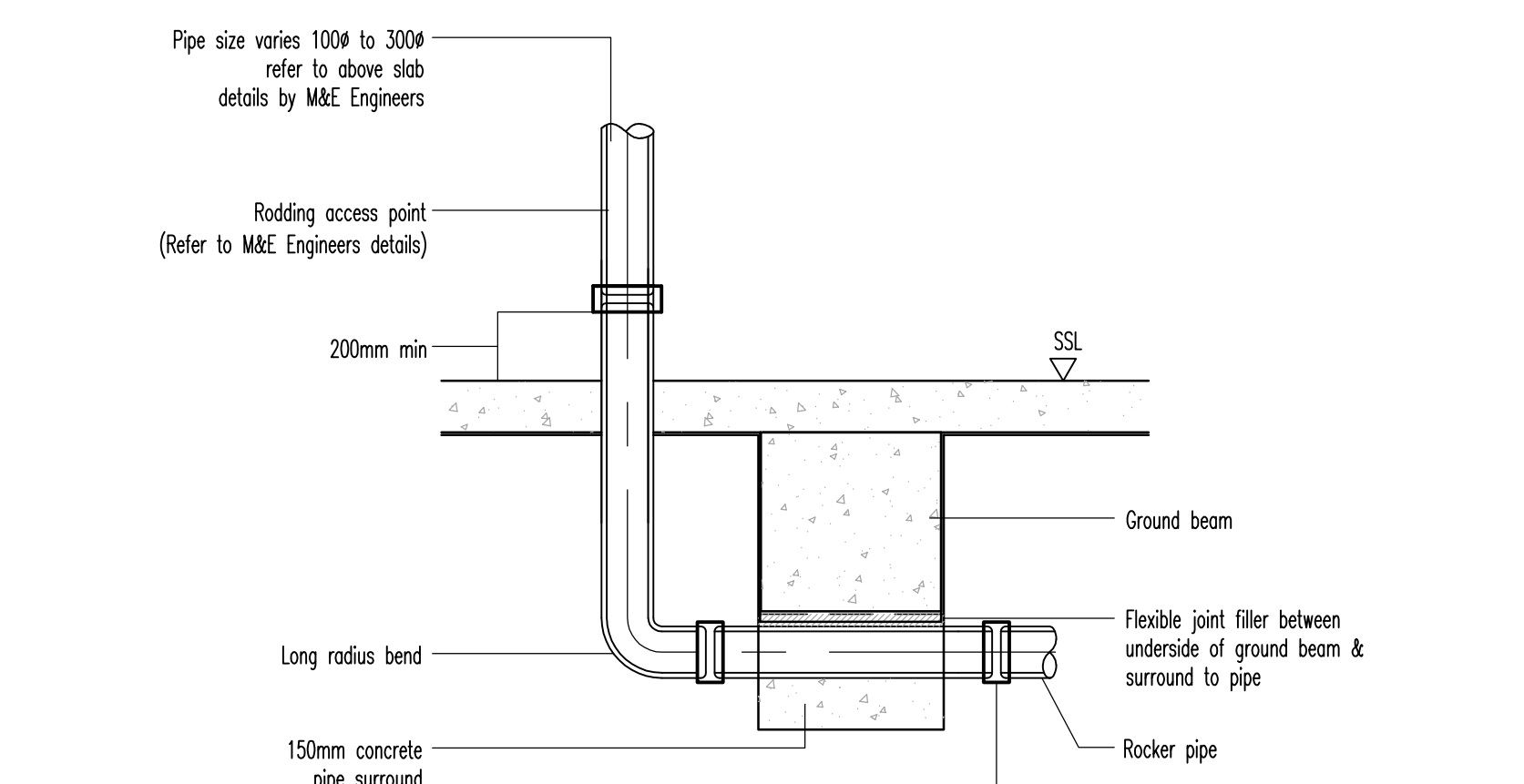
**Typical Manhole Detail**  
**Max Depth to Soffit 3.0m – Type B**  
Scale 1:20



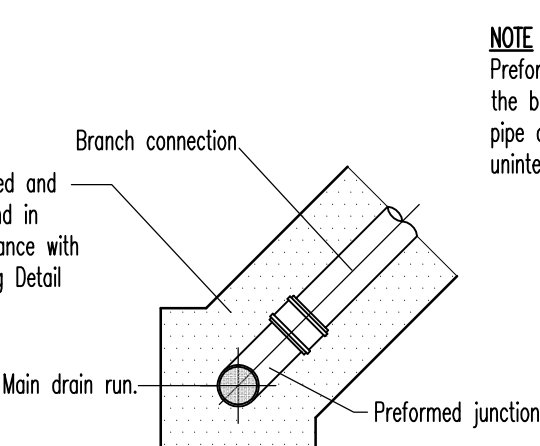
**Backdrop Manhole**  
Scale 1:20



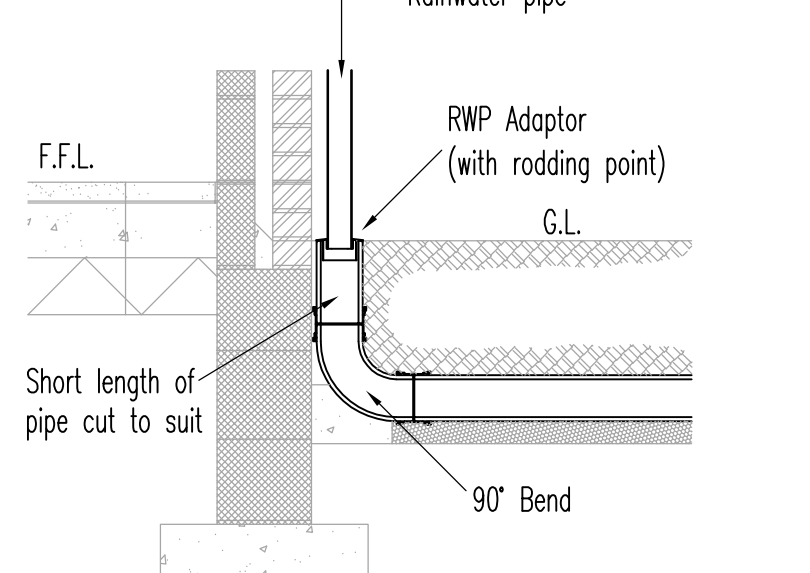
**Pipe Entry Detail – Option A**  
Scale 1:20



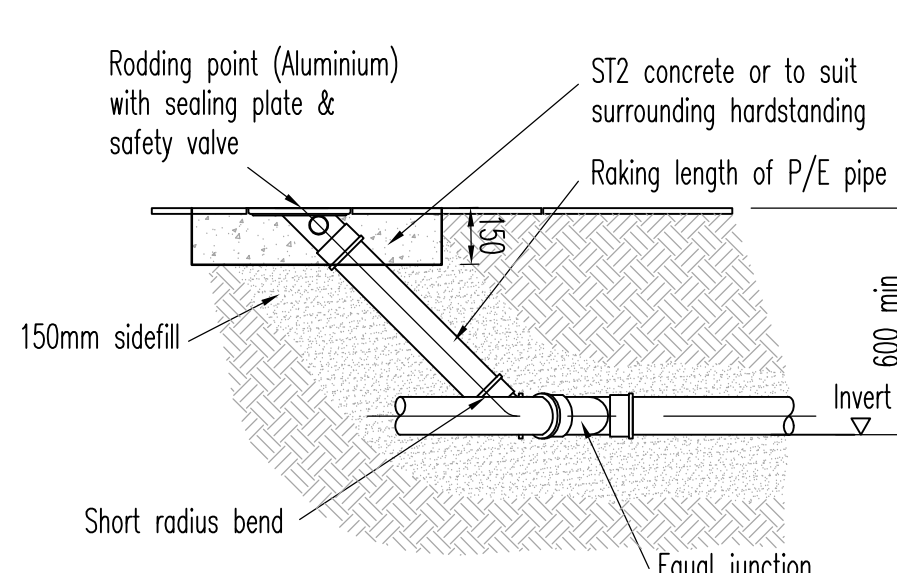
**Typical Connection Under Ground Beam (with Pipe Entry Option B)**  
Scale 1:20



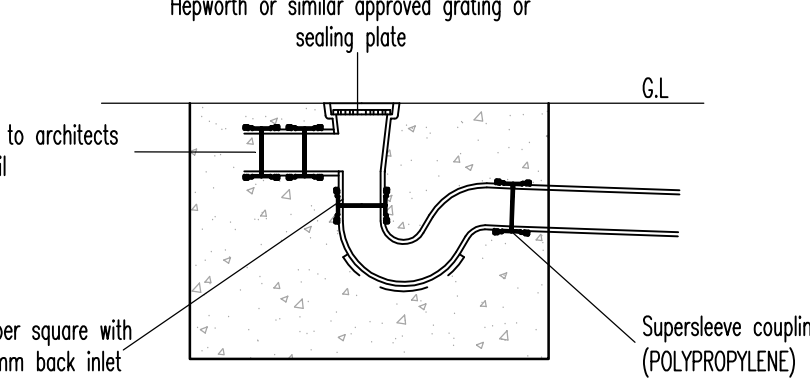
**Section**  
**Preformed Junction Detail**  
Scale 1:20



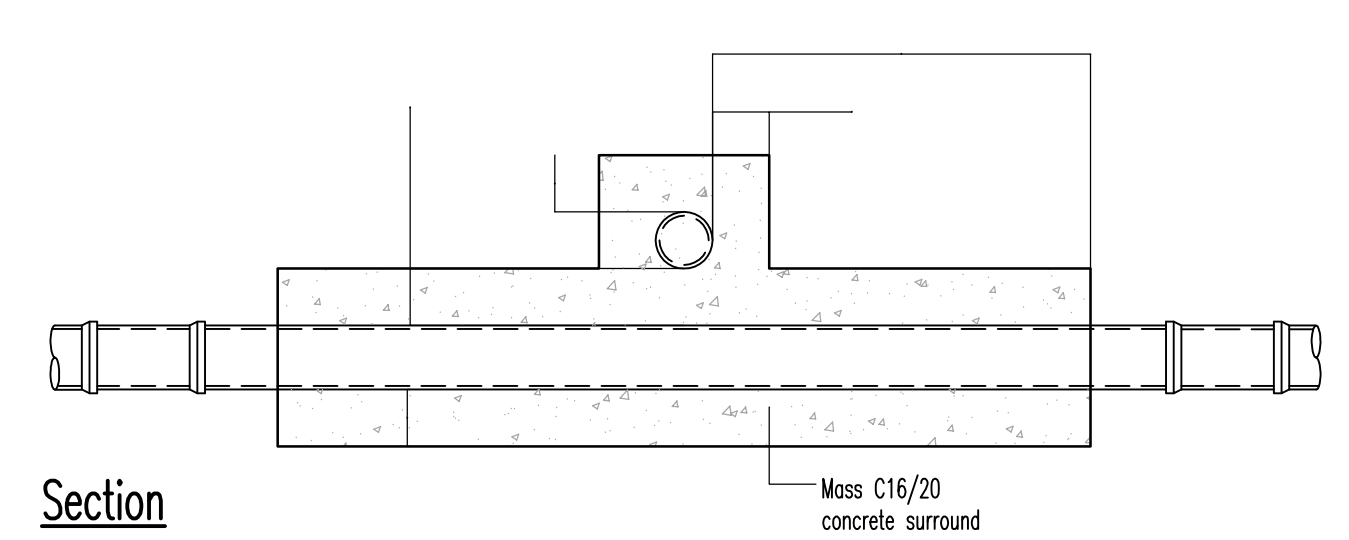
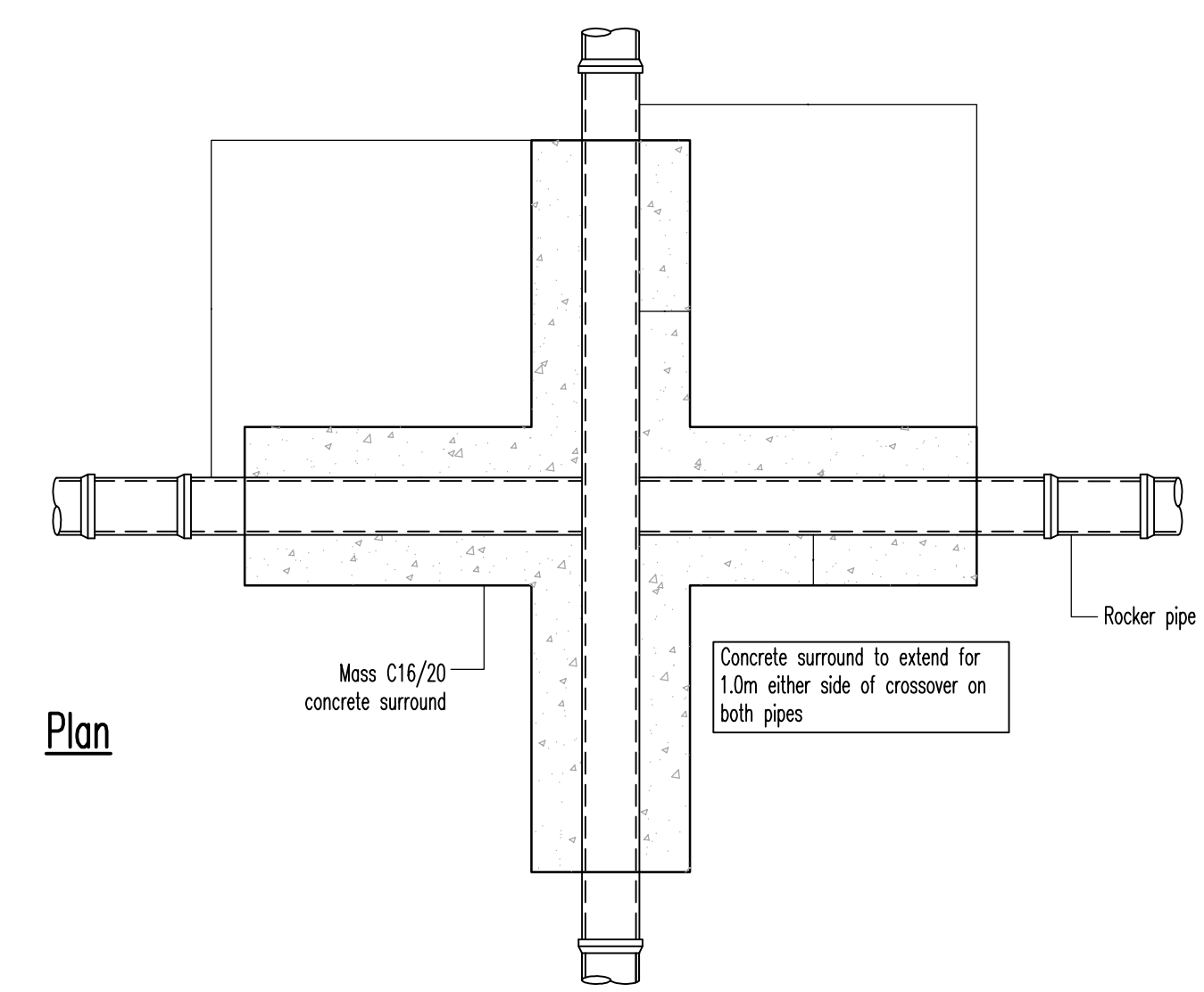
**RWP connection detail**  
Scale 1:20



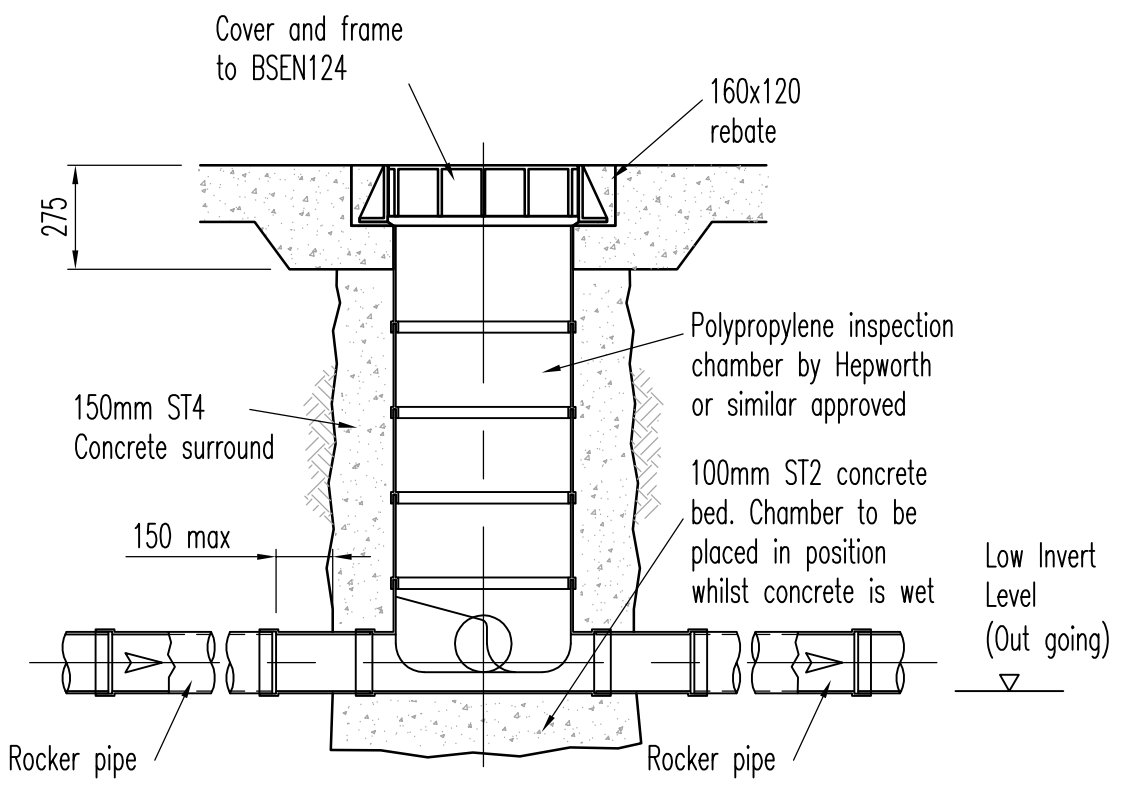
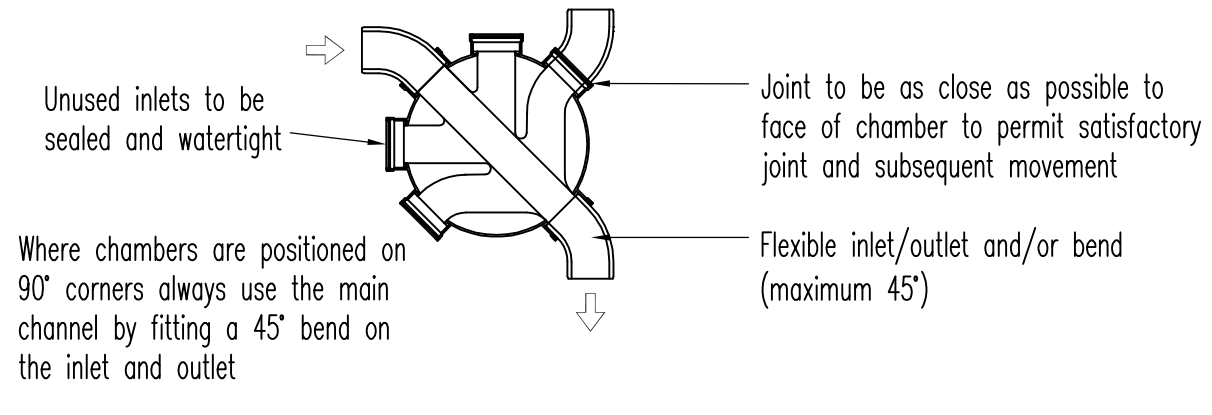
**Rodding Eye – Intermediate Access: Denoted on plan as RE**  
Scale 1:20



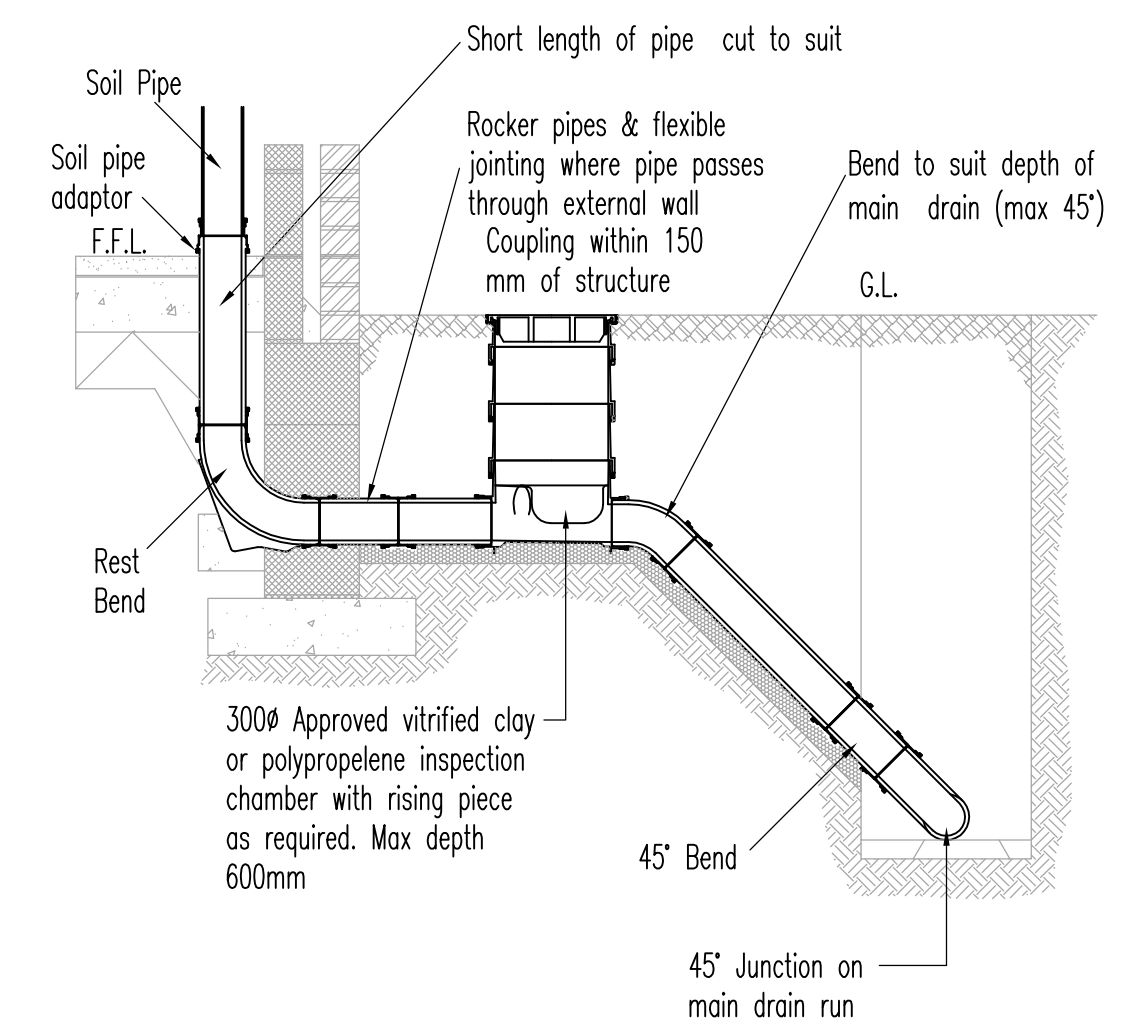
**Gully With Horizontal Back Inlet To Rainwater Pipe**  
Scale 1:20



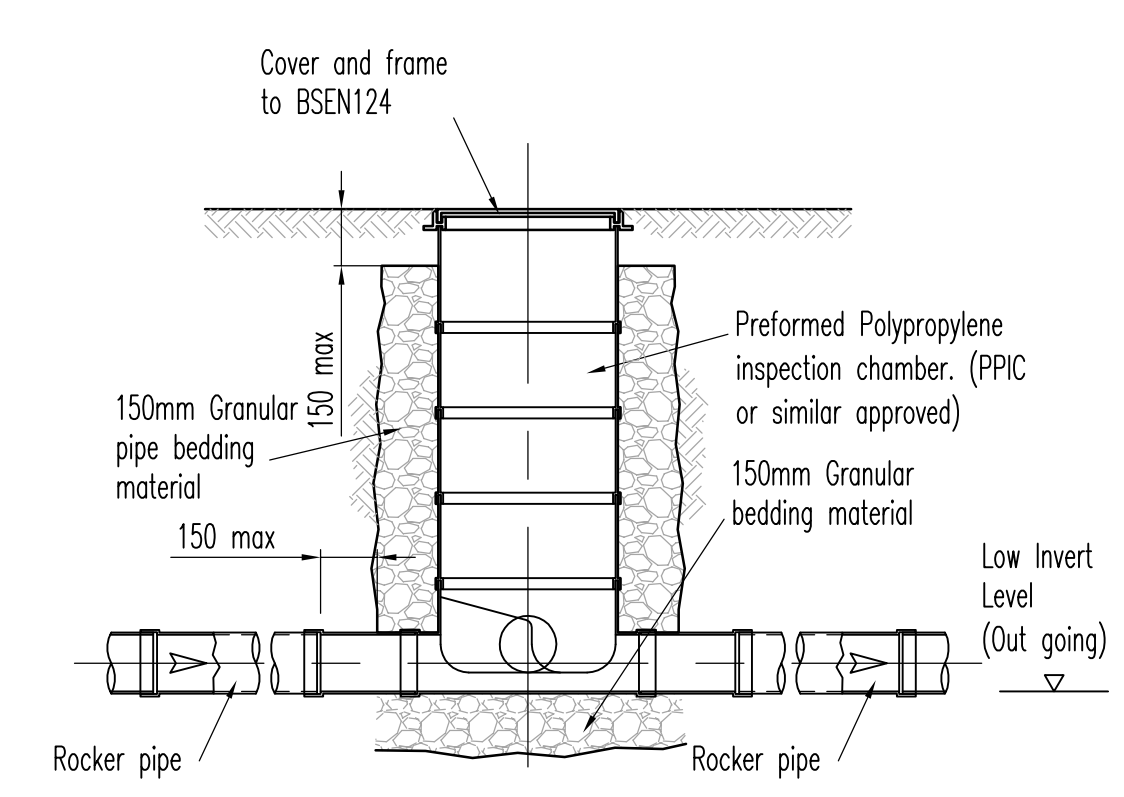
**Section**  
**Pipe Crossover Detail (non-adopted only)**  
Scale 1:20



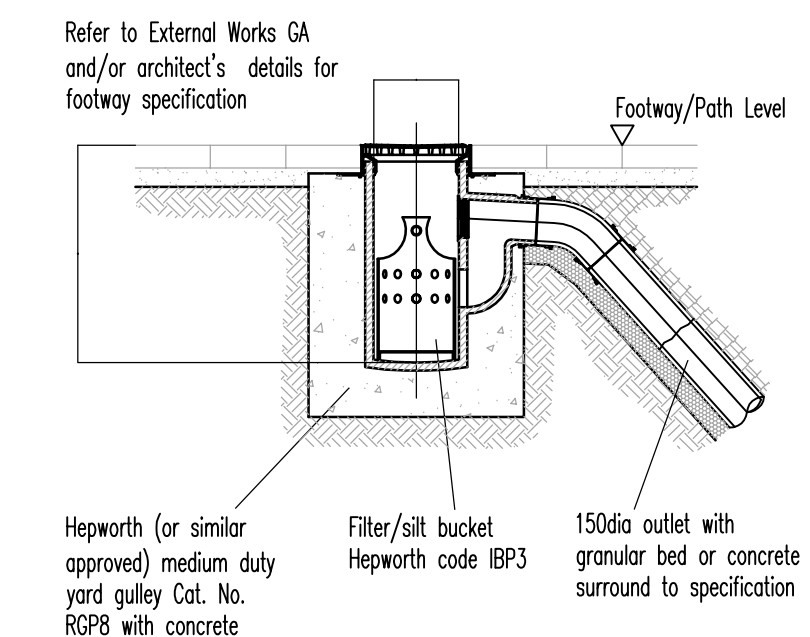
**Polypropylene Inspection Chamber Detail (In Vehicular Areas)**  
Scale 1:20



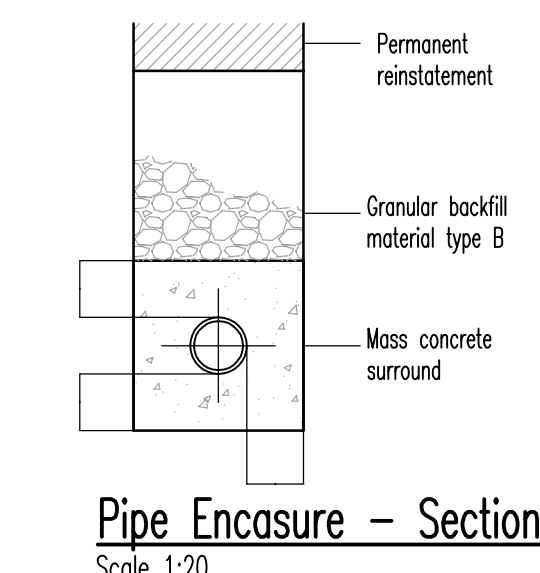
**Soil pipe and access chamber detail**  
Scale 1:20



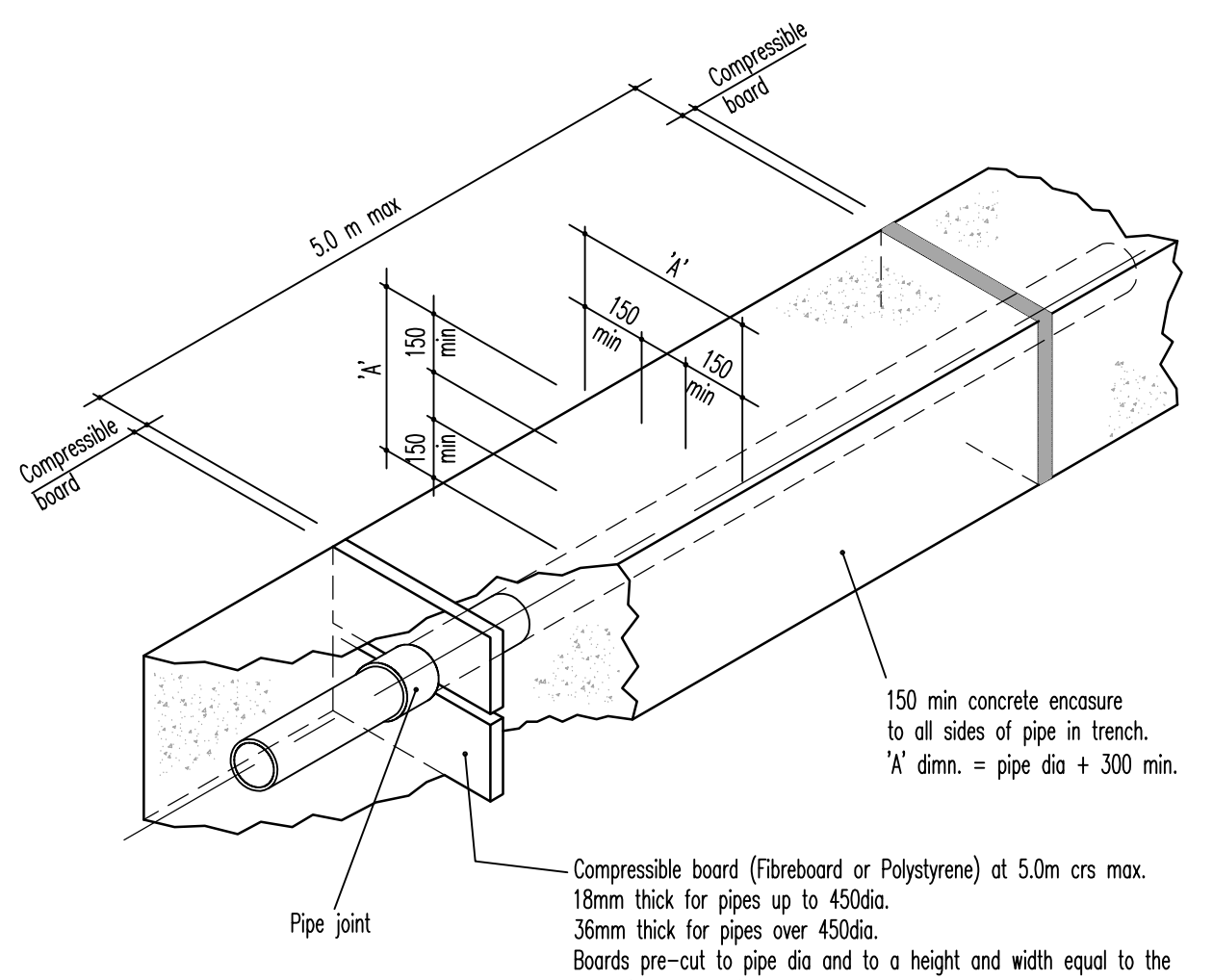
**Polypropylene Inspection Chamber Detail (In Footpaths and Landscaping)**  
Scale 1:20



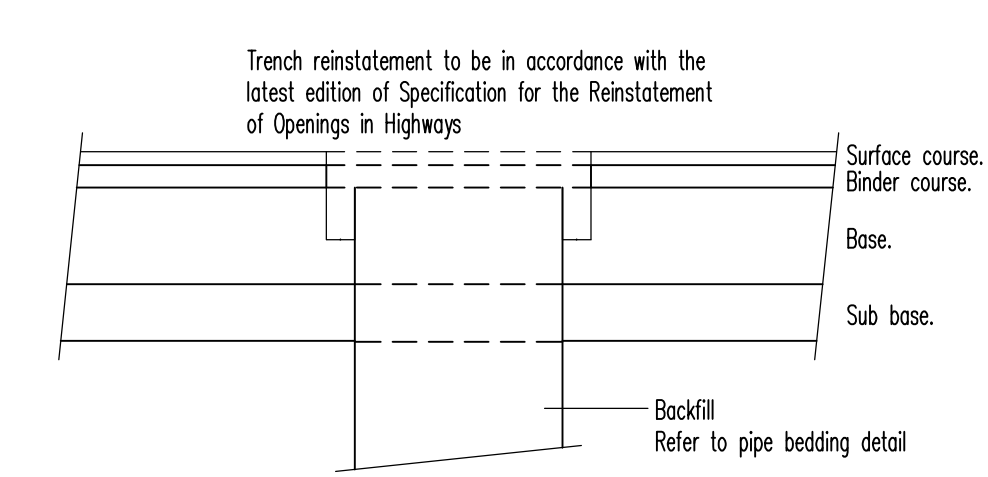
**Yard Gully detail – Medium Duty**  
Scale 1:20



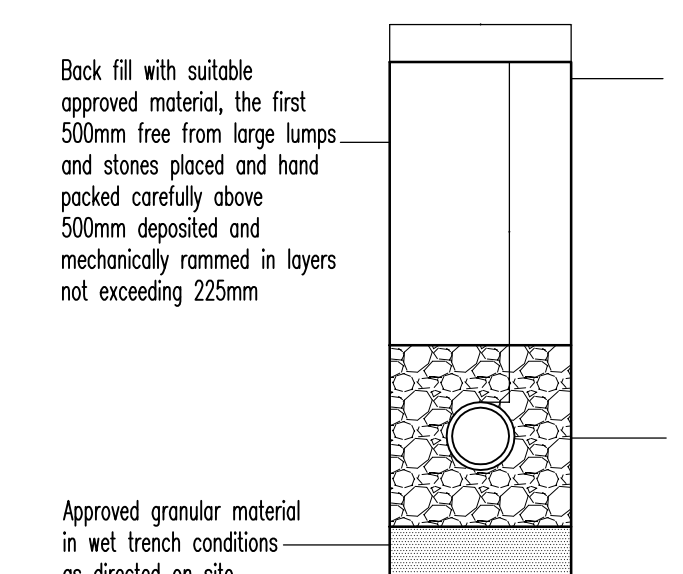
**Pipe Encasure – Section**  
Scale 1:20



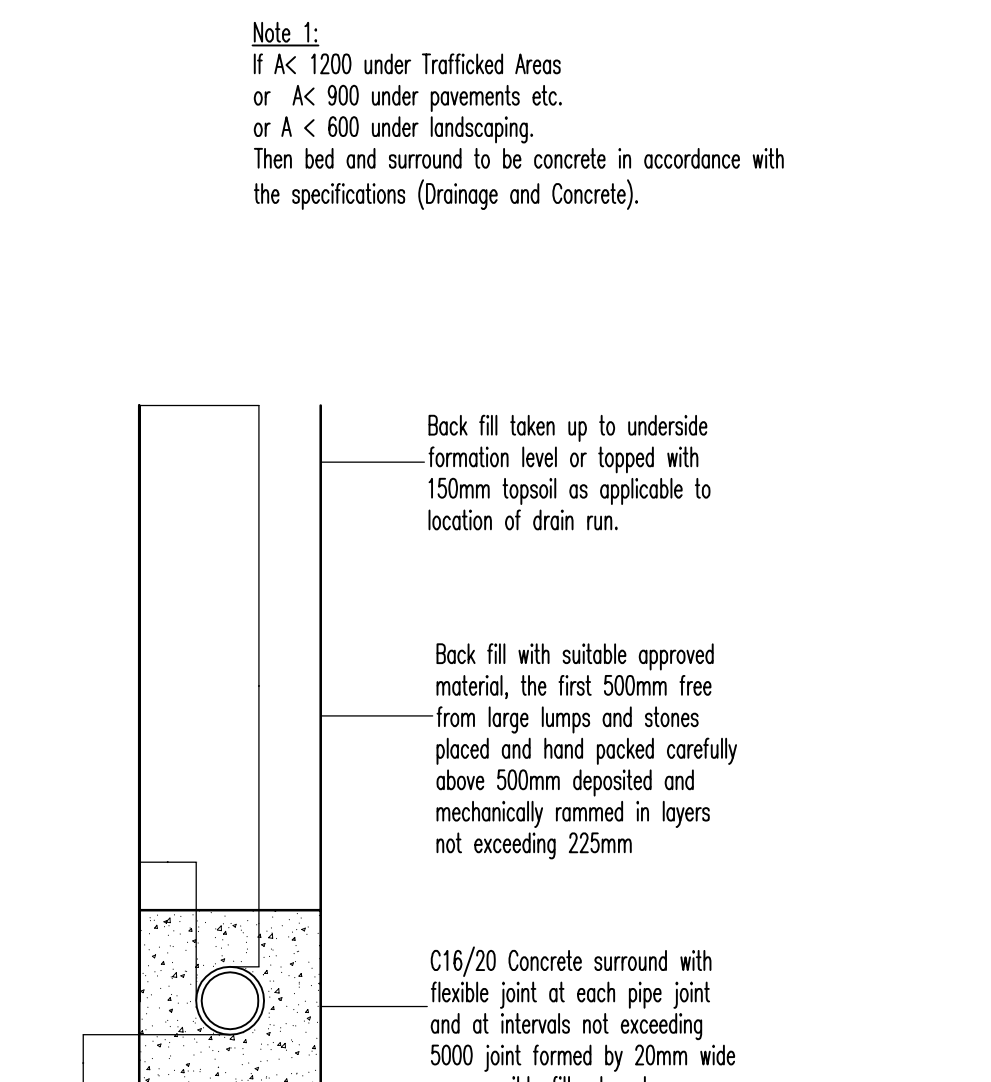
**Concrete Encasure to Pipes**  
Scale 1:20



**Typical Trench Reinstatement Detail**  
Scale 1:20



**Pipe Bedding – Granular Bed & Surround (Class S)**  
Scale 1:20



**Pipe Bedding – Concrete Bed & Surround (Class Z)**  
Scale 1:20

Notes: DO NOT SCALE DRAWING  
Dimensions provided are indicative only, and should be confirmed and read in conjunction with the Architect's construction drawings at such times as they are available, and/or from site measurement.  
All setting out to be in accordance with the Architect's drawings, any ambiguities to be raised prior to construction.

RESIDUAL RISK REGISTER			
No.	Description of Hazard	Control Measures	Action By
1.	Deep drainage excavation. Possibility of encountering contaminated material.	Note to be added to H&S manual that if excavation is required, then full trench support to be implemented.	

Refer to drawing 13-5482-1000 for Notes

Bituminous materials shall conform to BS EN13108 and PD 6691. Materials shall be transported, compacted and laid in accordance with BS5949867


CONSTRUCTION  
ISSUE

C1 AM Construction Issue	Details	17.11.14
Rev By	(P=Preliminary, T=Tender, C=Construction, R=Revised)	Date

Client:  
**Mar City Developments**

Project:  
**Atlas Metals Cranford Street - Smethwick**

Drawing Title:  
**Private Drainage Details Sheet**

**COMPLETE DESIGN PARTNERSHIP LTD**

CONSULTING CIVIL & STRUCTURAL ENGINEERS CRANFORD LODGE, BOX HILL, BRANSCOTE, WORKS RD1, 7LJ  
TEL: +44 (0)1527 832307  
FAX: +44 (0)1527 832711  
E-mail: [info@cdpdrains.co.uk](mailto:info@cdpdrains.co.uk)

Date: Sept 14	Drawing No.	Issue Rev.
Scale: 1:20 @ A0	<b>13-5482-010</b>	<b>C 1</b>
Drawn: AM		
Chkd:		
© copyright CDP Ltd		