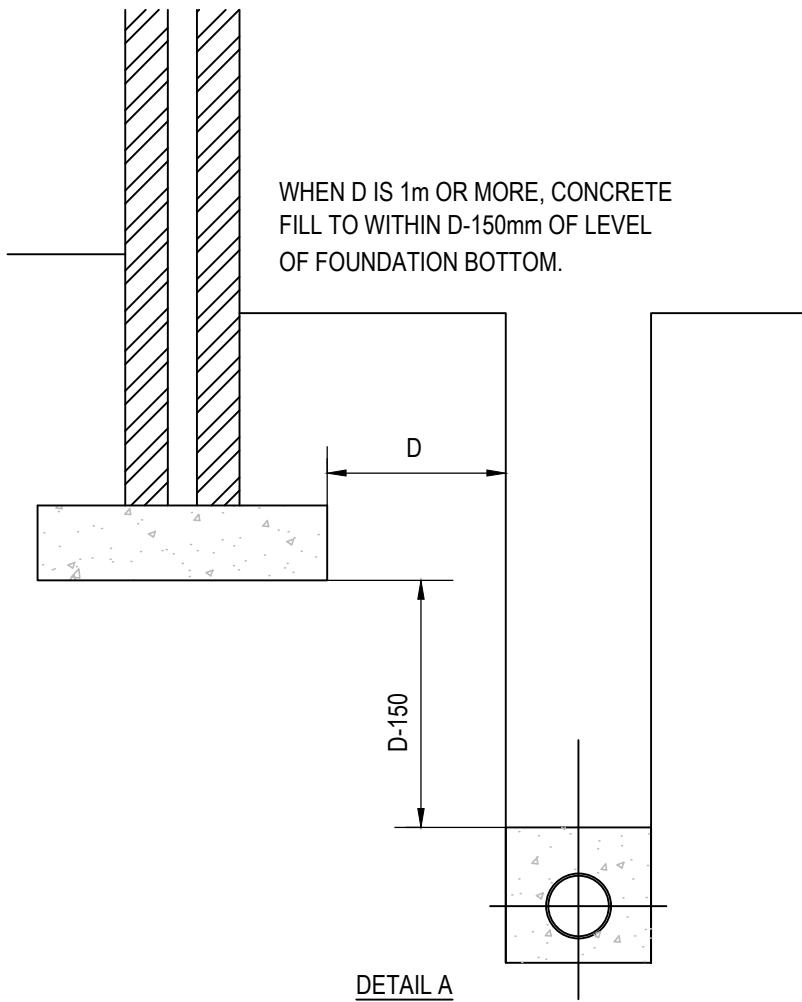
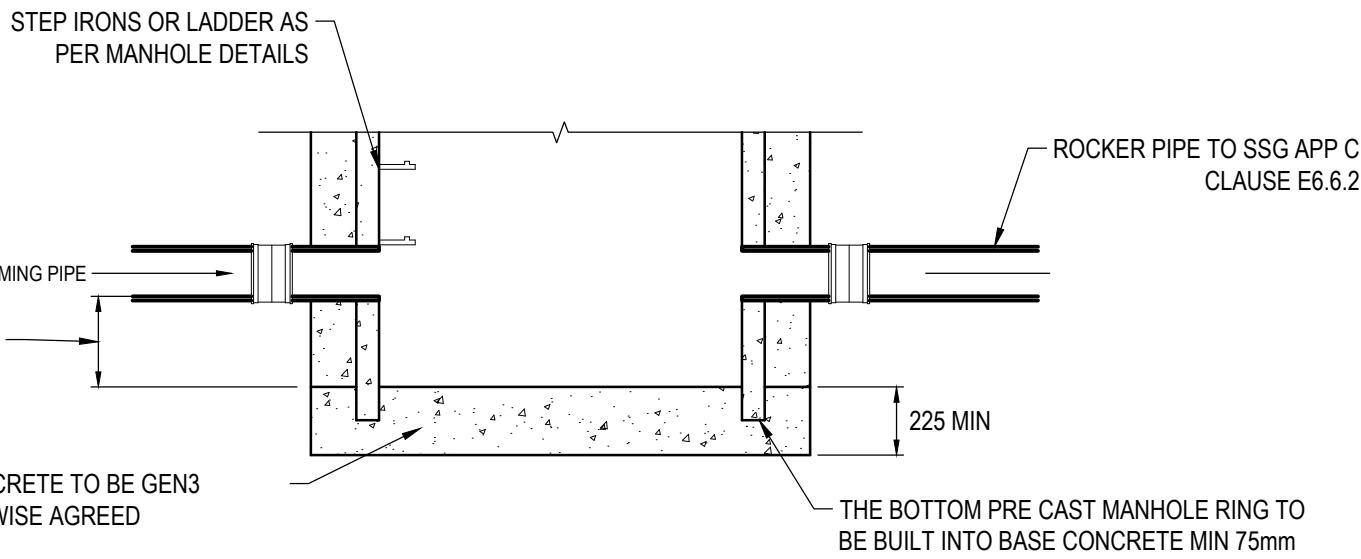
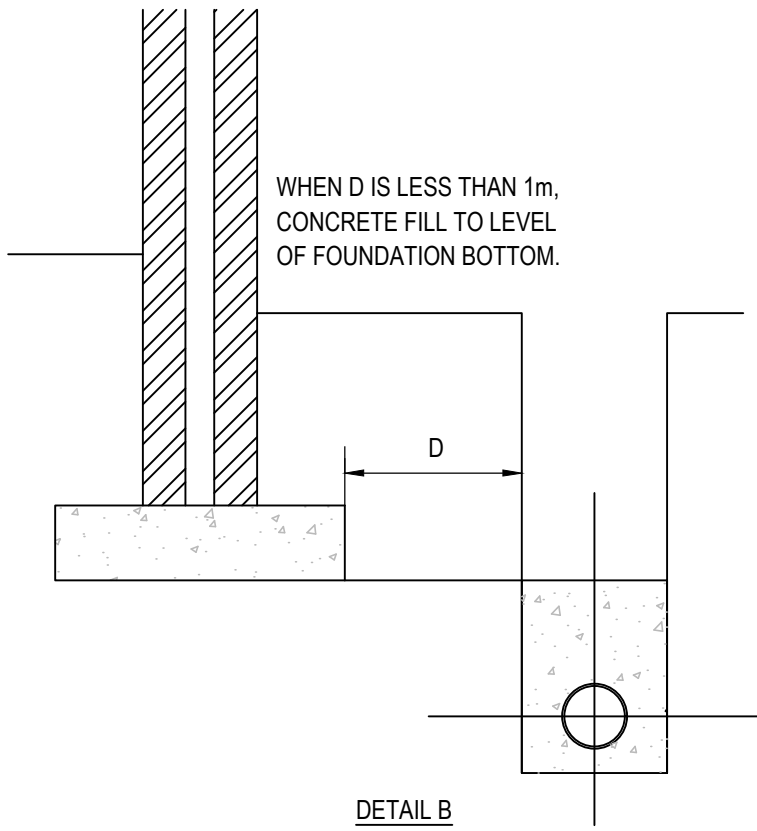


PIPE DIA.	GRANULAR BEDDING			MIN. TRENCH WIDTH	MAX. TRENCH WIDTH	L
	Y1 MIN.	Y2 MIN.	Y3 MIN.			
100	100	200	150	450	750	18
150	100	200	150	500	800	
225	100	200	150	600	900	
300	100	200	150	700	1000	
375	100	200	150	805	1105	
450	150	200	150	890	1190	36
525	150	200	150	975	1275	
600	150	200	150	1075	1375	
675	150	200	225	1165	1465	
750	225	300	225	1260	1560	
825	225	300	225	1355	1655	
900	225	300	225	1460	1760	
975	225	300	300	1505	1805	
1050	225	300	300	1580	1880	
1125	225	350	300	1650	1950	
1200	375	400	300	1750	2050	54
1350	375	400	375	1920	2220	
1500	375	450	375	2040	2340	
1650	375	500	450	2210	2510	
1800	375	500	450	2390	2690	

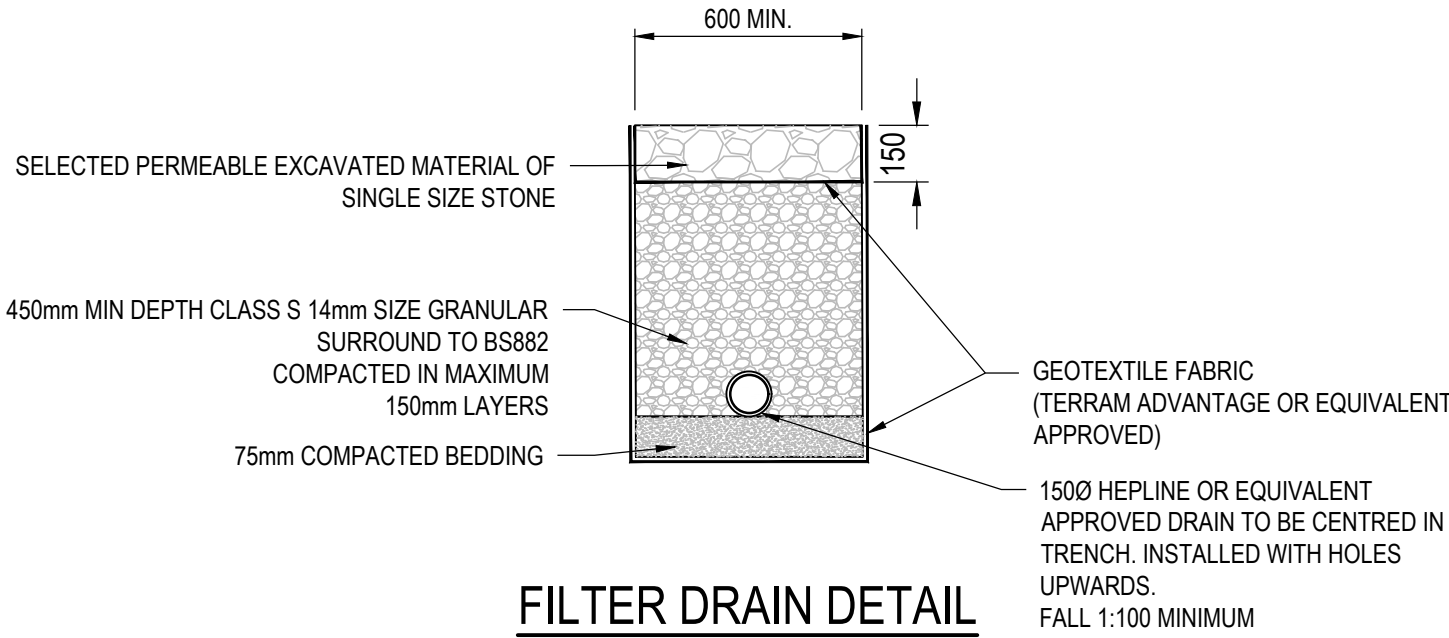
DIMENSIONS FOR BEDDINGS AND TRENCH WIDTHS



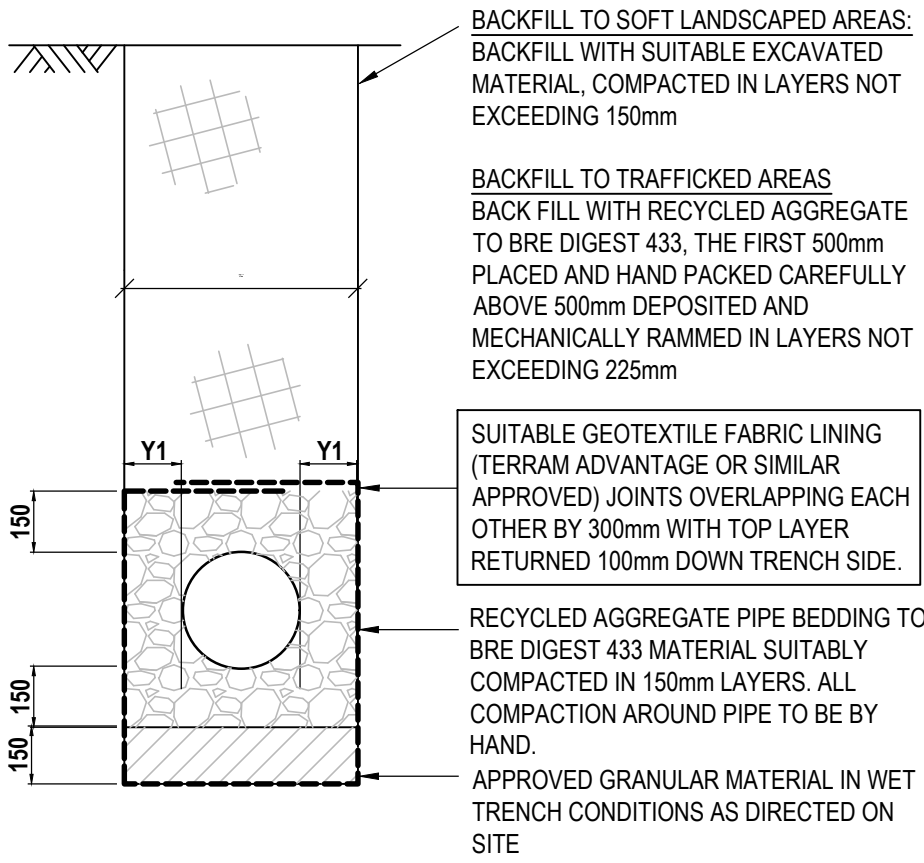
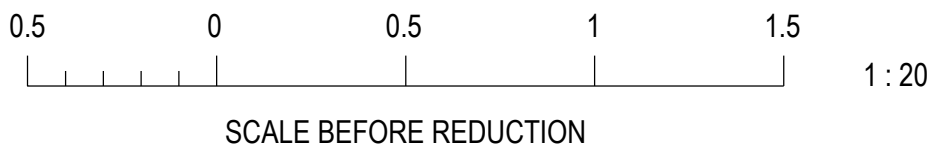
DRAINS ADJACENT TO STRUCTURAL FOUNDATIONS



MANHOLE CATCHPIT BASE DETAIL



FILTER DRAIN DETAIL



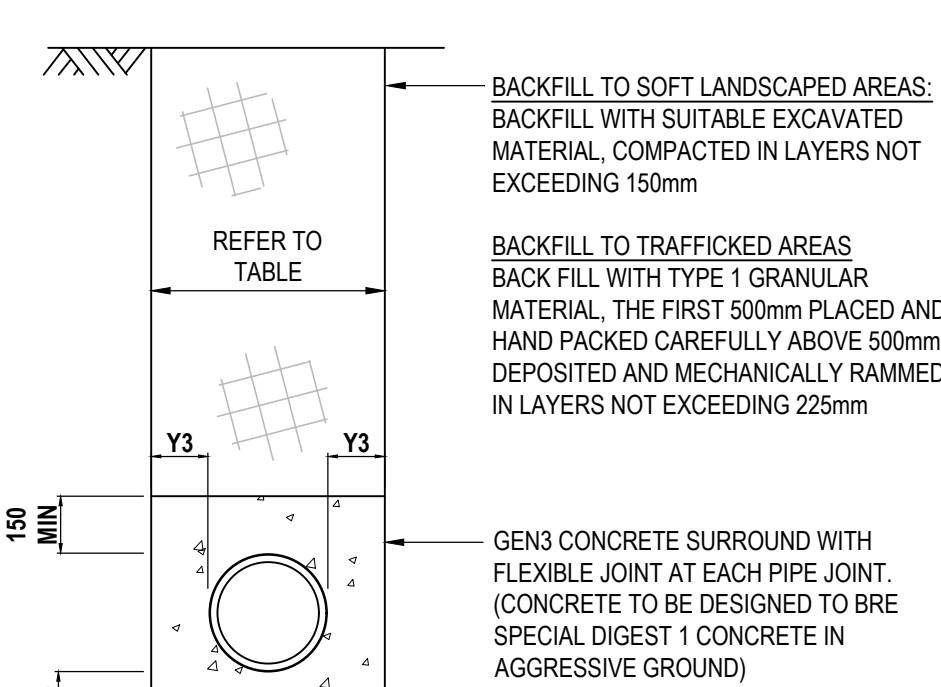
GRANULAR (CLASS S)

>1200mm DEPTH TO SOFFIT IN ROADS AND PAVEMENTS

DIMENSION 'Y1' TO BE 100mm MIN. UNLESS OTHERWISE SPECIFIED OR DIRECTED BY THE ENGINEER

Y2 IS TO BE USED IN PLACE OF Y1 WHERE THE EXCAVATION IS IN ROCK OR IN MIXED SOILS CONTAINING ROCK BEDS, BOULDERS, LARGE FLINTS, STONES OR OTHER IRREGULAR HARD SPOTS.

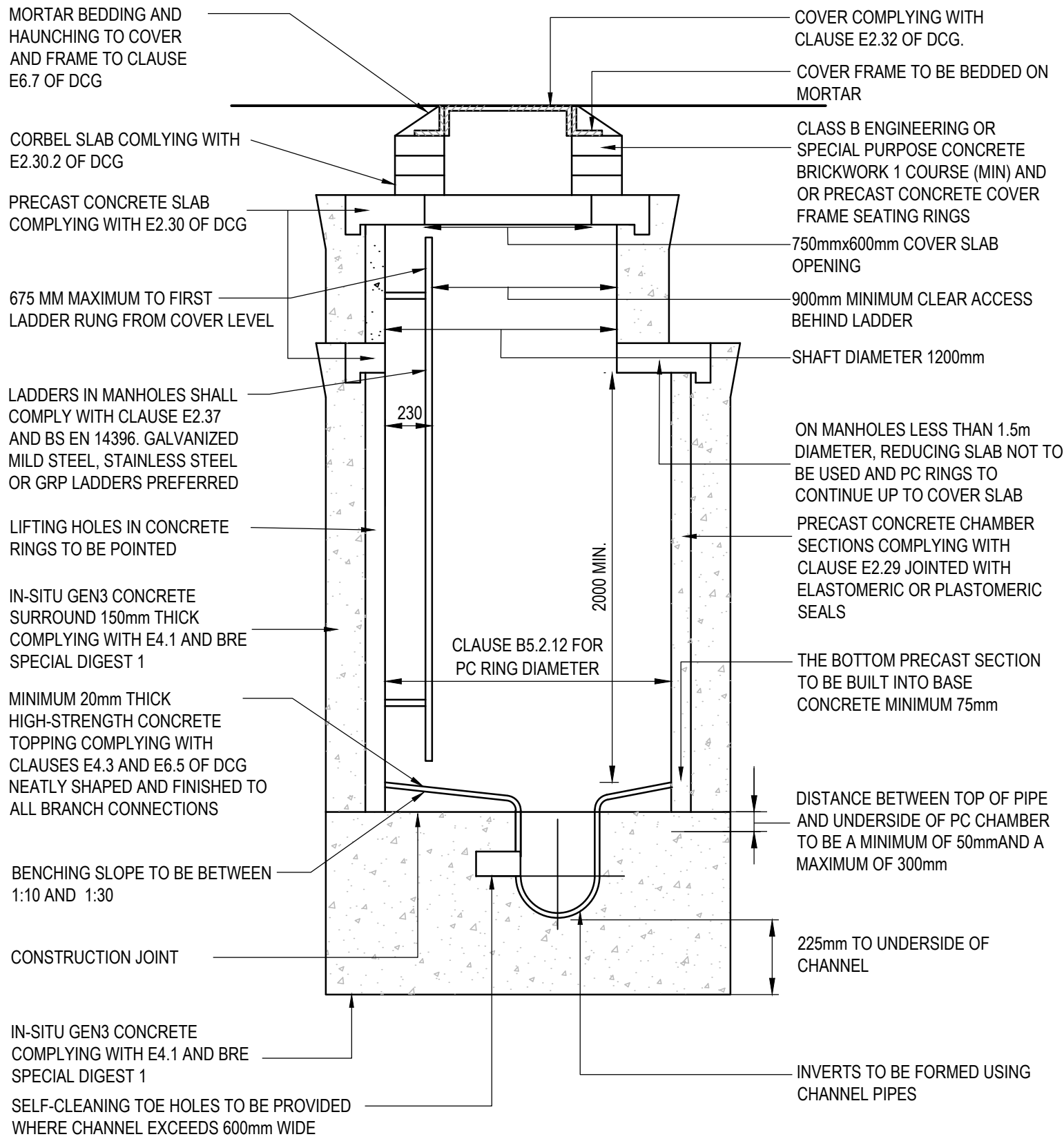
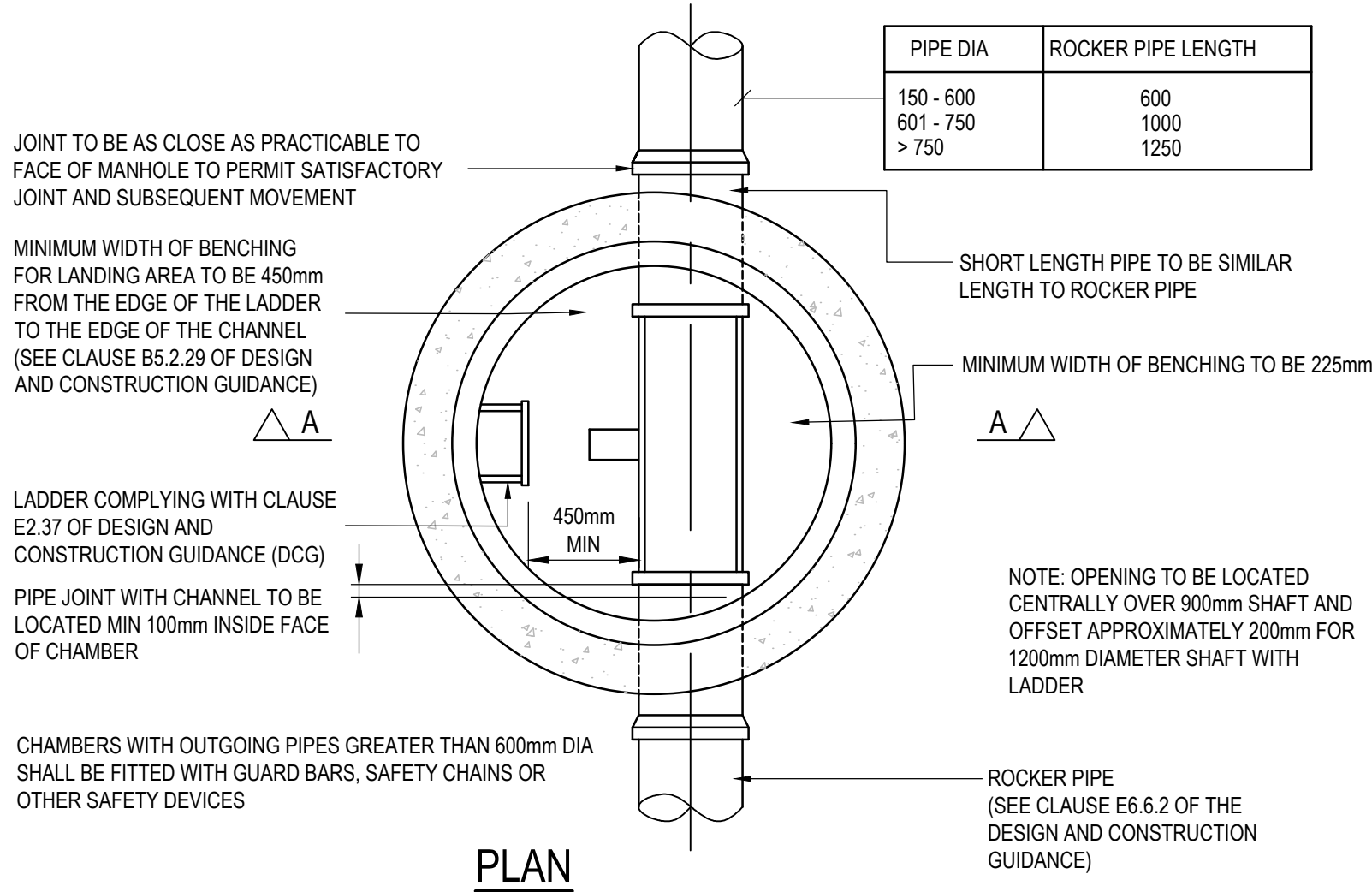
FOR ADOPTABLE SEWER, GRANULAR SURROUND MIN. THICKNESS OF 300 ABOVE CROWN OF PIPES.



CONCRETE (CLASS Z)

<1200mm DEPTH TO SOFFIT IN ROADS AND PAVEMENTS.

ALL JOINTS IN CLASS Z BEDDING SHOULD BE FLEXIBLE JOINTS FORMER BY COMPRESSIBLE FILLER BOARD (THICKNESS 20mm)



MANHOLE DETAIL TYPE A

DEPTH FROM COVER LEVEL TO SOFFIT OF PIPE 3m to 6m WITH LADDER AND REDUCING SLAB REFER TO SEWER SECTOR GUIDANCE APPENDIX C FOR MATERIAL SPECIFICATIONS NTS

© Buro Happold Limited or its group companies. All Rights reserved. Buro Happold and its group companies assert (unless otherwise agreed in writing) their rights under s.17 to 18 of the Copyright, Designs and Patents Act 1988. DO NOT SCALE THIS DRAWING.
HEALTH AND SAFETY INFORMATION
IN ADDITION TO THE HAZARD/RISKS NORMALLY ASSOCIATED WITH THE TYPES OF WORK DETAILED ON THIS DRAWING, NOTE THE FOLLOWING
CONSTRUCTION
MAINTENANCE/CLEANING/OPERATION
DECOMMISSIONING/DEMOLITION
NOTES:
1. THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELEVANT DRAWINGS DETAILS AND SPECIFICATIONS. 2. ALL DIMENSIONS ARE IN METERS UNLESS STATED OTHERWISE. 3. ALL LEVELS ARE TO ORDINANCE SURVEY DATUM UNLESS OTHERWISE STATED. 4. FOR ENABLING WORKS DRAINAGE GENERAL ARRANGEMENT SEE DRAWING HCO-BHE-XX-XX-DR-C-3110.

P01	ISSUED FOR APPROVAL	22.08.2025	WM	PA	PA
Rev	Description	Date	Iss'd	Rev'd	App'd

TENDER

Project Stage

APPROVAL

Status of Drawing

BURO HAPPOLD

2nd Floor Eastgate
2 Castle Street
Manchester M3 4LZ
UK

Tel: +44 (0)161 233 5000
Fax: +44 (0)870 787 4143
Email: 0054419@burohappold.com
Web: www.burohappold.com

Client GENR8 KAJIMA REGENERATION LTD
Architect 5PLUS
Project Huyton Town Centre Regeneration
Drg Title ENABLING WORKS DRAINAGE DETAILS SHEET 2

Job No.	0054419	Scale@A1	As Shown
Drawn/Designed By.	WM	Checked By.	PA
Approved By.	PA		
Drawing No.	HCO-BHE-XX-XX-DR-C-3111	Revision	P01