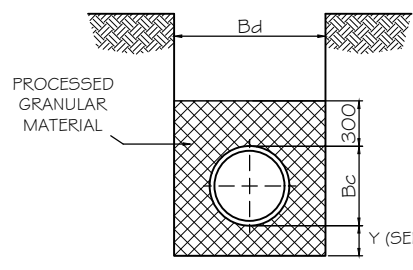


Revision  
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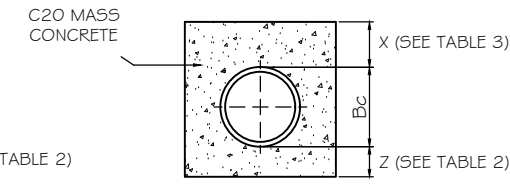
**TABLE 2**  
EMBEDMENT DIMENSIONS FOR RIGID PIPES

NOMINAL INT PIPE DIA	DIMENSION Y1 EVEN TRENCH BOTTOM (MIN)	DIMENSION Y2 ROCK OR UNEVEN TRENCH BOTTOM (MIN)	PROCESSED GRANULAR MATERIAL	DIMENSION Z (MIN)	PERMITTED TRENCH WIDTH (MAX)	
150	100	200	10mm SINGLE SIZED OR 14mm TO 5mm GRADED	100	750	
225	100	200		100	825	
300	100	200		100	925	
375	100	200		14mm SINGLE SIZED OR 14mm TO 5mm GRADED	100	1050
450	150	200			150	1150
525	150	250			150	1200
600	150	250			150	1350
675	150	250			225	1450
750	225	300		225	1500	
825	225	300		225	1600	
900	225	300	225	1900		
975	225	300	20mm SINGLE SIZED OR 20mm TO 5mm GRADED	300	2000	
1050	225	300		300	2100	
1125	225	300		300	2200	
1200	250	350		300	2300	
1350	375	450		375	2500	
1500	375	450	375	2700		
1650	375	450	450	2800		
1800	375	500	450	3100		
1950	400	500	40mm SINGLE SIZED OR 40mm TO 5mm GRADED	525	3200	
2100	425	650		525	3400	
2400	450	675		600	3700	

NOTE:  
Bc = OUTSIDE DIAMETER OF PIPE  
Bd = EFFECTIVE TRENCH WIDTH MEASURED 300mm ABOVE CROWN OF PIPE



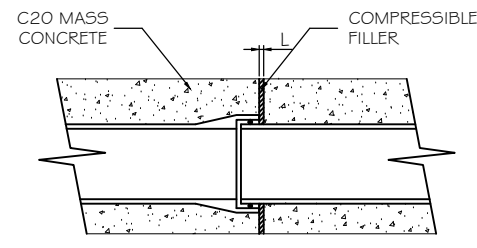
**TYPE 7  
EMBEDMENT CLASS 5**



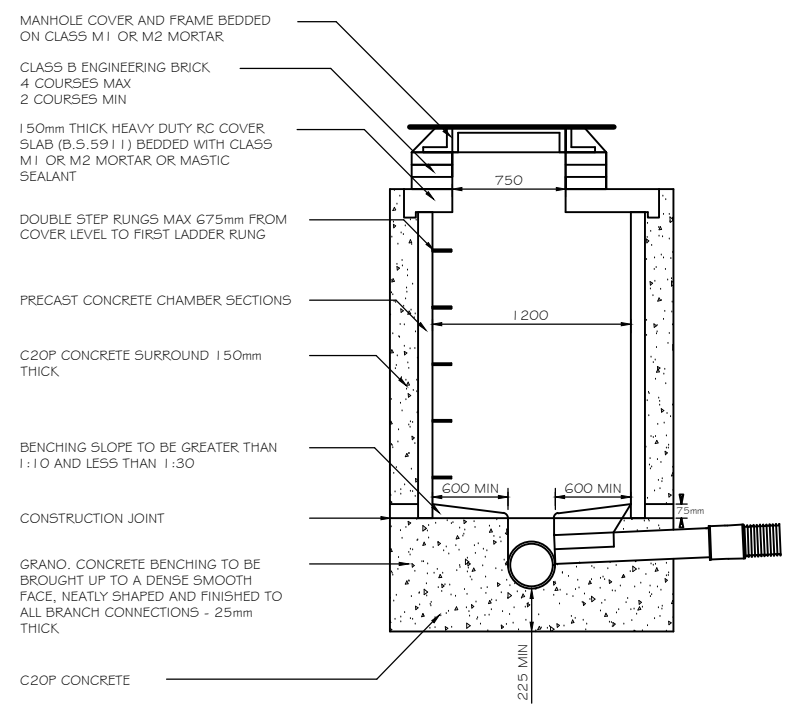
**CONCRETE SURROUND  
EMBEDMENT CLASS 5**

**TABLE 3**  
THICKNESS OF COMPRESSIBLE FILL (L)

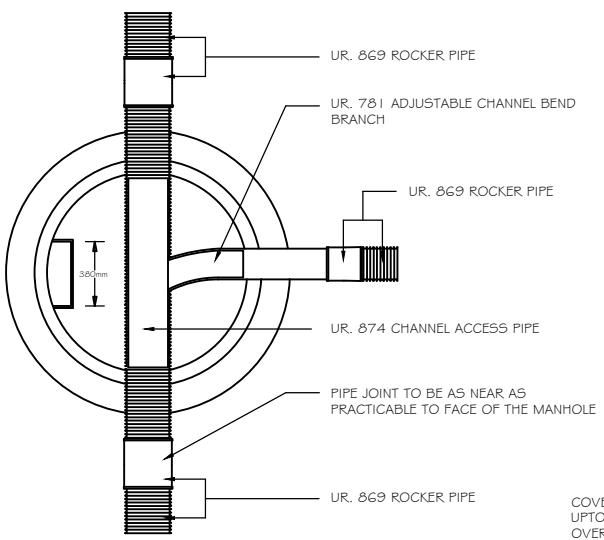
NOMINAL INT PIPE DIA	DIMENSION Xmm	COMPRESSIBLE FILLER Lmm
<400	160	18
400-700	200	36
725-1200	300	36
>1200	300	54



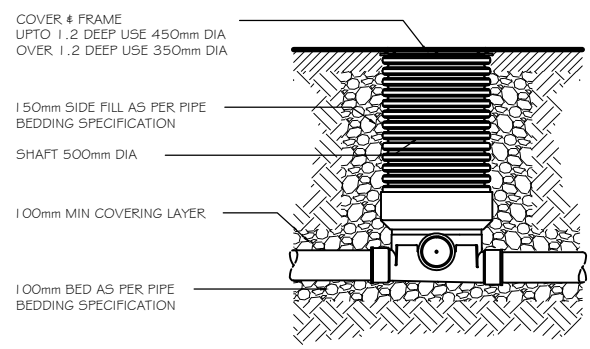
**FLEXIBLE JOINT DETAILS FOR CONCRETE BED  
# SURROUND SPIGOT # SOCKET PIPES**



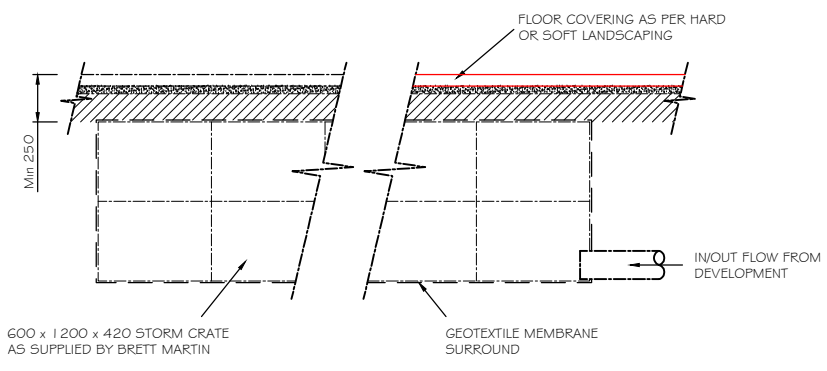
**TYPICAL MANHOLE DETAIL TYPE 1**  
DEPTH FROM COVER LEVEL TO PIPE SOFFIT 1.35m TO 3m  
SCALE 1:20



**TYPICAL MANHOLE DETAIL TYPE 3  
UNIVERSAL INSP CHAMBER DETAIL**  
SCALE 1:20



**TYPICAL RODDING EYE DETAIL**  
SCALE 1:20



**STORM WATER STORAGE DETAIL**  
(SCALE 1:20)

- NOTES**
- ALL DIMENSIONS ARE IN MILLIMETERS.
  - DO NOT SCALE FROM THIS DRAWING.
  - THIS DRAWING IS TO BE READ IN CONJUNCTION WITH ALL OTHER RELATED DRAWINGS & DOCUMENTS. THE USER SHOULD CONSULT THE DRAWING ISSUE REGISTER FOR DETAILS.
  - THE CONTRACTOR IS TO CHECK AND VERIFY ALL DIMENSIONS ON SITE PRIOR TO COMMENCEMENT OF CONSTRUCTION WORKS.
  - THE ENGINEER/ARCHITECT SHOULD BE CONTACTED IMMEDIATELY IF THE ASSUMPTIONS USED IN THE DESIGN DIFFER TO THAT FOUND ON SITE.

Rev.	Amendments	Date	By
<b>Keystone Design Associates Ltd.</b> <small>Registered Office 201 Church Street Birmingham B1 1 3PH Tel: 0121 253 6400 Fax: 0121 253 72901 Email: info@keystonedesign.co.uk</small>			
PROJECT ADDRESS LAND OFF HILL HOUSE INDUSTRIAL ESTATE, THORNTON-CLEVELEYS, FY5 4QD			
PROJECT TITLE NEW INDUSTRIAL BUILDING			
DRAWING TITLE DRAINAGE DETAILS 01			
Client:	MRS J HILL	Scales	0A1 1:20
Drawn By:	LM	Checked By:	DWH
		Date	03/11/23
DRAWING No.	A023/236/P/105		Revision
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