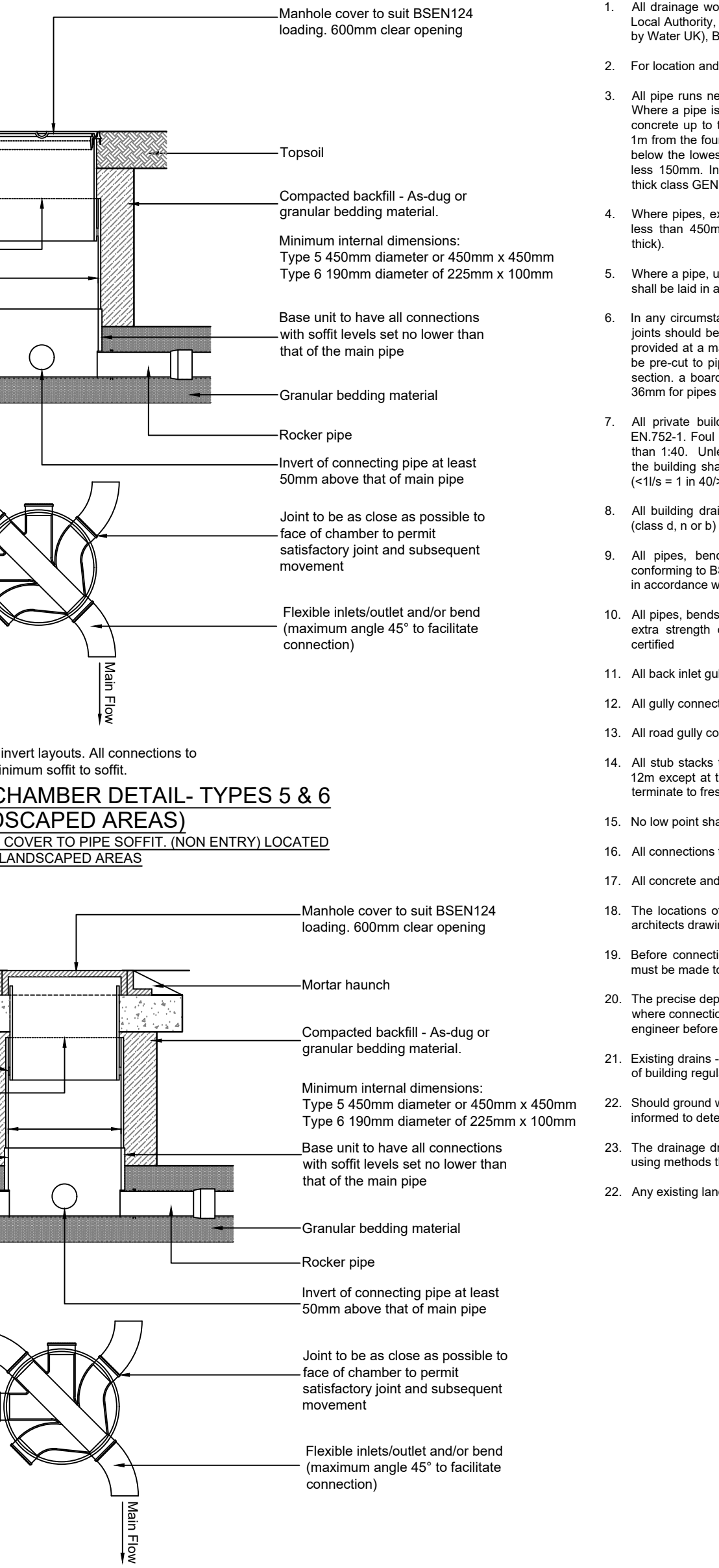
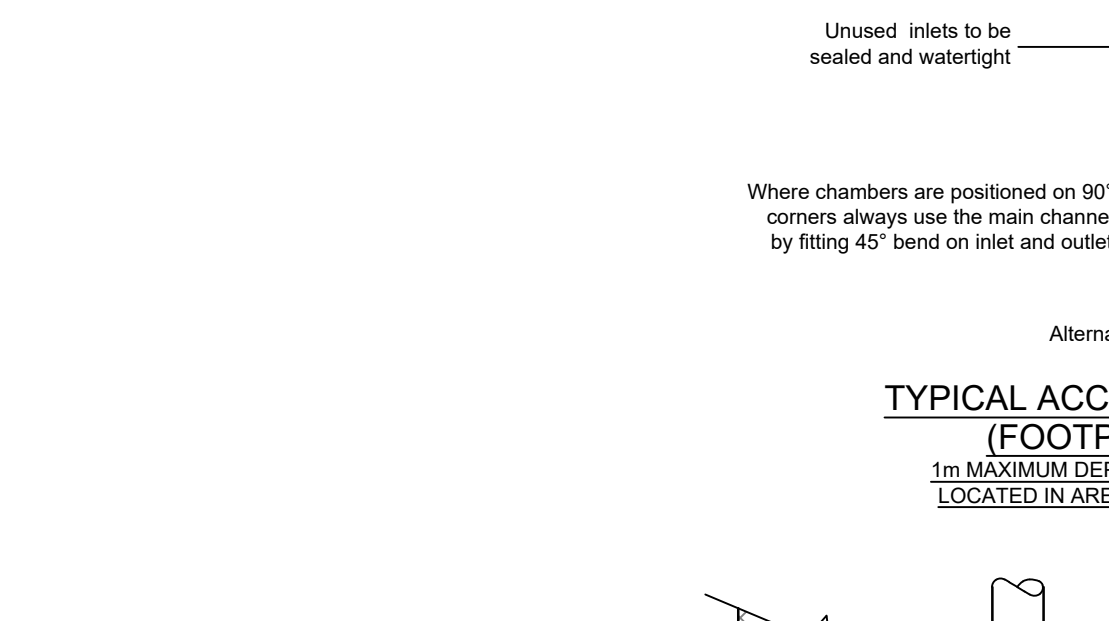
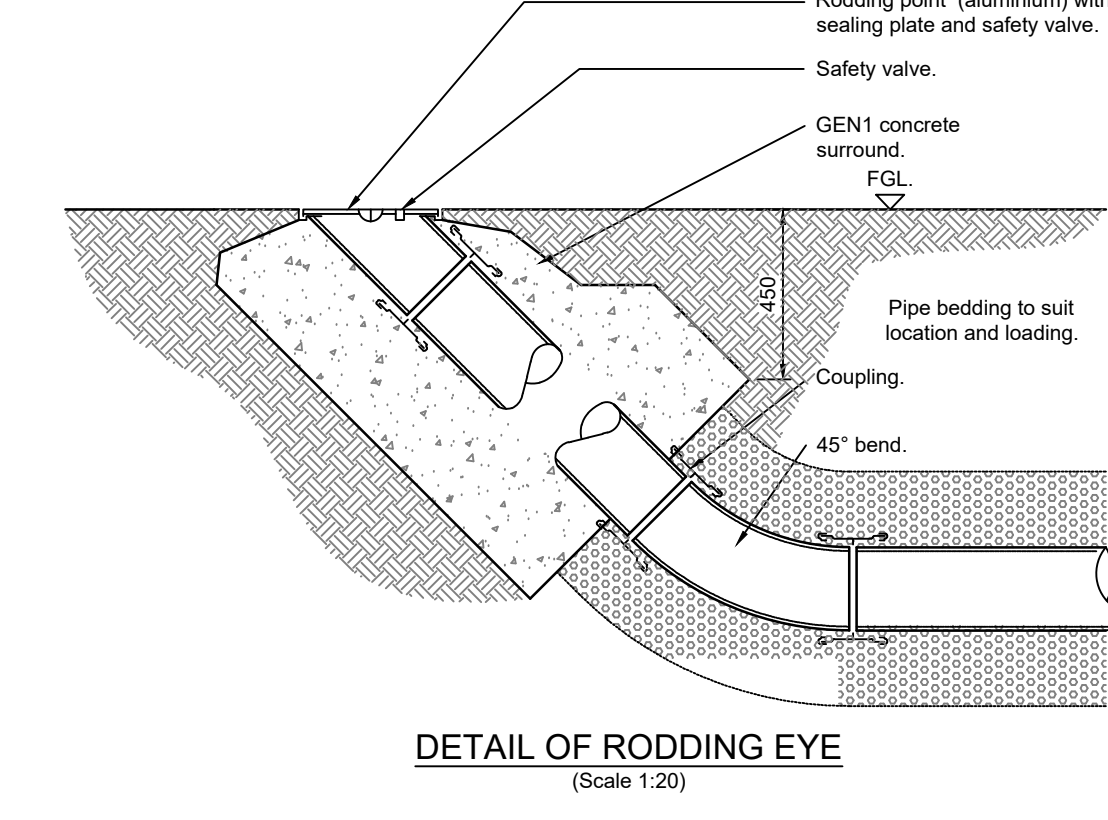
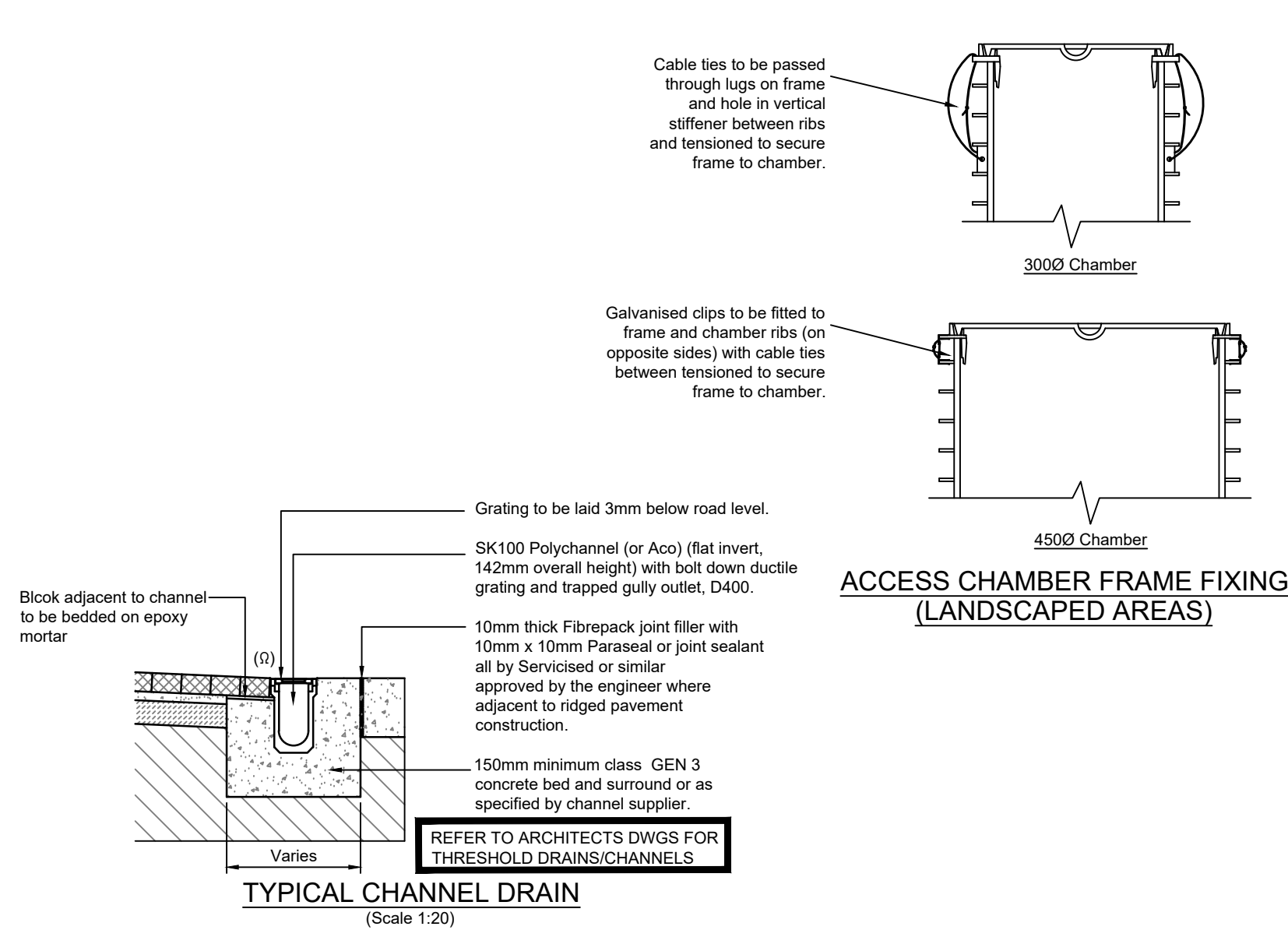




Type	Size of largest pipe (DN)	Min. internal dimensions ¹		Min. clear opening size ¹	
		Rectangular length and width	Circular diameter	Rectangular length and width	Circular diameter
Manhole					
< 1.5m deep to soffit	≤ 150	750 x 675 ²	1000 ³	750 x 675 ²	na ³
	225	1200 x 675	1200	1200 x 675 ²	
	300	1200 x 750	1200		
	>300	1800 x (DN+450)	The larger of 1800 or (DN+450)		
>1.5m deep to soffit	≤ 225	1200 x 1000	1200	600 x 600	600
	300	1200 x 1075	1200		
	375-450	1350 x 1225	1200		
	>450	1800 x (DN+775)	The larger of 1800 or (DN+775)		
Manhole shaft ⁴					
> 3.0m deep to soffit of pipe	Steps ⁵	1050 x 800	1050	600 x 600	600
	Ladder ⁶	1200 x 800	1200		
	Winch ⁷	900 x 800	900	600 x 600	600

Notes:

1. Larger sizes may be required for manholes on bends or where there are junctions.
2. May be reduced to 600 by 600 where required by Highway loading considerations, subject to a safe system of work being specified.
3. Not applicable due to working space needed.
4. Minimum height of chamber in shafted manhole 2m from benching to underside of projecting slab.
5. Min. clear space between ladder or steps and the opposite face of the shaft should be approximately 800mm.
6. Winch only – no steps or ladders, permanent or removable.
7. The minimum size of any manhole serving a sewer (i.e. any drain serving more than one property) should be 1200mm x 675mm rectangular or 1200mm diameter.

Type	Size of largest pipe (DN)	Min. internal dimensions ¹		Min. clear opening size ¹	
		Rectangular length and width	Circular diameter	Rectangular length and width	Circular diameter
Manhole					
< 1.5m deep to soffit	≤ 150	750 x 675 ²	1000 ³	750 x 675 ²	na ³
	225	1200 x 675	1200	1200 x 675 ²	
	300	1200 x 750	1200		
	>300	1800 x (DN+450)	The larger of 1800 or (DN+450)		
>1.5m deep to soffit	≤ 225	1200 x 1000	1200	600 x 600	600
	300	1200 x 1075	1200		
	375-450	1350 x 1225	1200		
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	Ladder ⁶	1200 x 800	1200		
	Winch ⁴	900 x 800	900	600 x 600	600

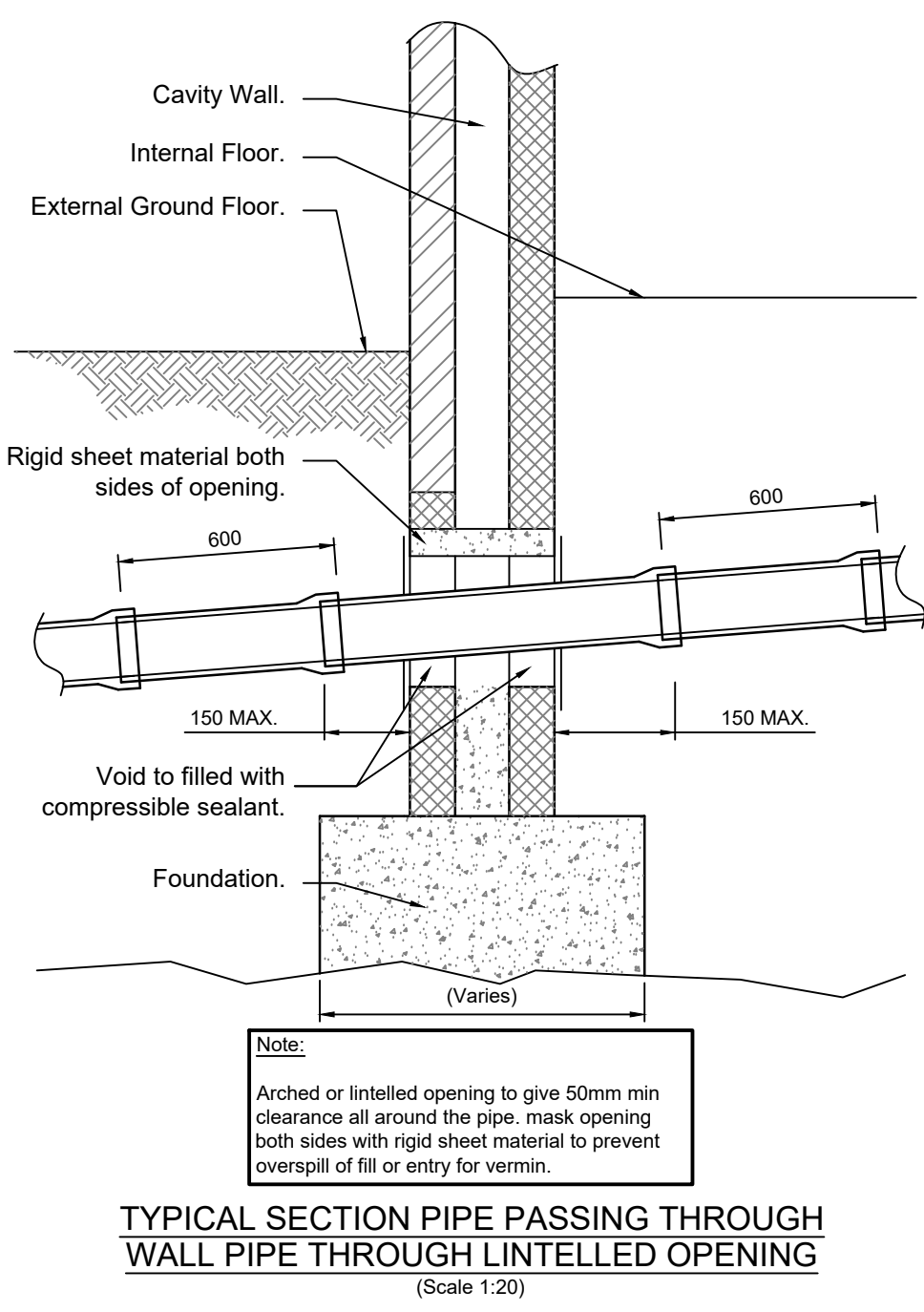
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- # NOTES
- ## A1
1. This drawing is to be read in conjunction with all other Bright Plan Civils drawings, and with all relevant Architects and Engineering drawings and specifications. Any discrepancies found are to be reported immediately to the Engineer.
 2. Bright Plan Civils accepts no responsibility for inaccuracies in data provided by third parties such as topographic surveys or Ordnance Survey mapping.
 3. Do not scale, work to figured dimensions only. All dimensions are in millimeters unless noted otherwise and all levels are in metres from the topographic survey datum.
 4. Any information given regarding existing underground services is given in good faith. Any work carried out with the relevant authority, however accuracy is not certain. The main contractor is responsible for checking all information on site prior to work commencing and taking due care whilst undertaking the works.
 5. All dimensions to be checked on site. All details and dimensions relating to sub-contractors work must be checked and agreed between the sub-contractor or supplier and the project contractor.
 6. The electronic information from this drawing can not be guaranteed as dimensionally drawn exact. Figured dimensions must be used for setting out and detailing. Bright Plan Civils logos and company information must be removed or copied if information is re-used.
 7. The main contractor is responsible for the design of all temporary works, and is also responsible for the safe maintenance and stability of existing buildings at all times.
 8. The groundworks contractor is responsible for dealing with all occurrences of ground water during the construction period.
 9. The contractor must comply with all current legislation relating to health & safety.
 10. All products specified shall be installed in strict accordance with the manufacturers recommendations and instructions. If there are discrepancies between that information and the details on any Bright Plan Civils drawings, the manufacturers instructions must be used.
 11. All earthworks shall be specified in accordance with Specification for Highway Works with the exception of the increase in levels where required

RESIDUAL HAZARDS

In addition to the hazards/risks normally associated with the type of work outlined on this drawing, note the following:

1. Buried services. Contractor to refer to record drawings and use CAT to locate existing services and undertake necessary precautions and investigation prior to excavating.
2. Working in live traffic. Contractor to ensure traffic management is designed, erected and maintained to protect the workforce and the public. Contractor to undertake necessary precautions and ensure suitable traffic management is in place prior to commencement.
3. Working in live sewers. Contractor to ensure protective measures are familiar and competent with the dangers of working in live sewers.
4. Excavations close to existing structures. Contractor to prepare method statement to ensure stability of existing structure.

It is assumed that all works will be carried out by a competent contractor working, where appropriate, to an approved risk assessment and method statement

-	09.08.24	Original Issue
Rev.	Date	Amendments



BP CIVILS

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FOR APPROVAL NOT FOR CONSTRUCTION			
Client	Foreman Homes		
Project	Summer Lane (SOUTH) Pagharn, West Sussex		
Drawing Title Private Drainage Details Sheet 2			
Scale at A1 AS SHOWN	Date	Drawn By	Checked By
	Aug 24	JHL	MJA
Drawing No.			Project No.
000-BPC-WD-ZZ-D-C-6121			D2240
Rev.			Rev.
-			-