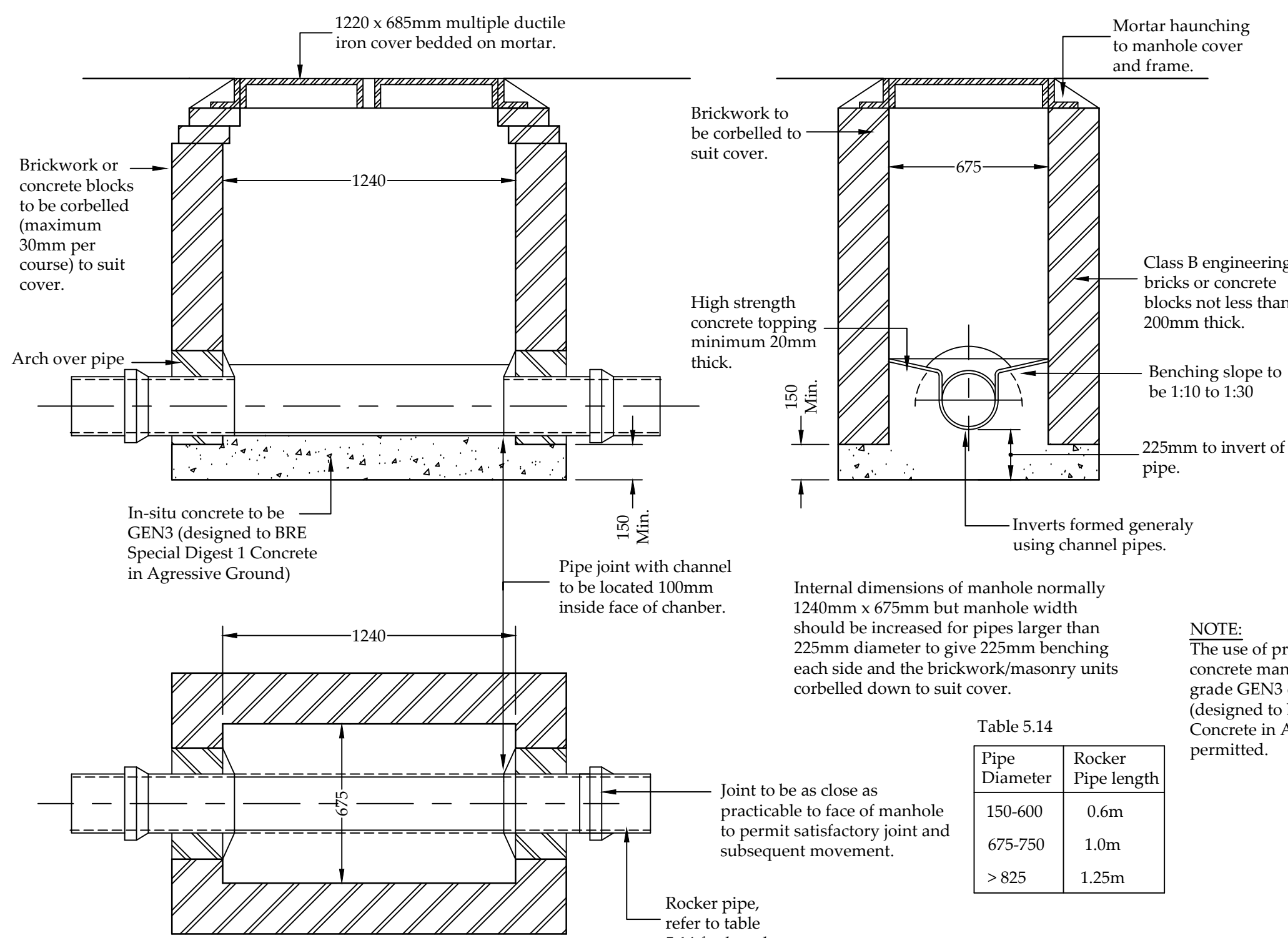




The design of manholes will need to comply with the Undertaker's safety policy.

Diameter of largest pipe in MH (mm)	Internal dia. of MH (mm)
Less than 375	1200
375-700	1500
750-900	1800
Greater than 900	Consult Undertaker

The design of manholes will need to comply with the Undertaker's safety policy.

movement joint of 13mm compressible board.

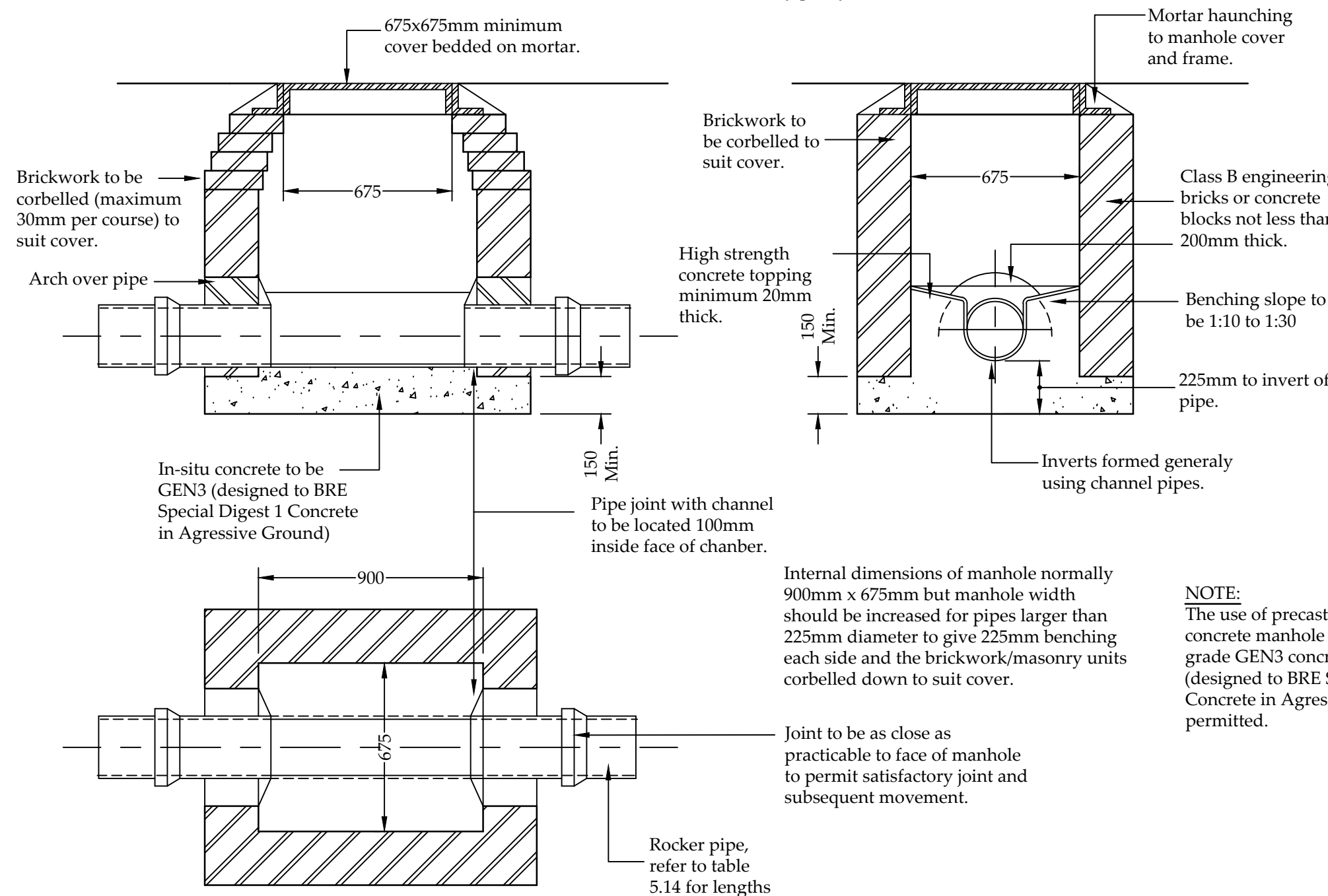
150

150

100mm thick

pipe encased in concrete minimum 100mm thick

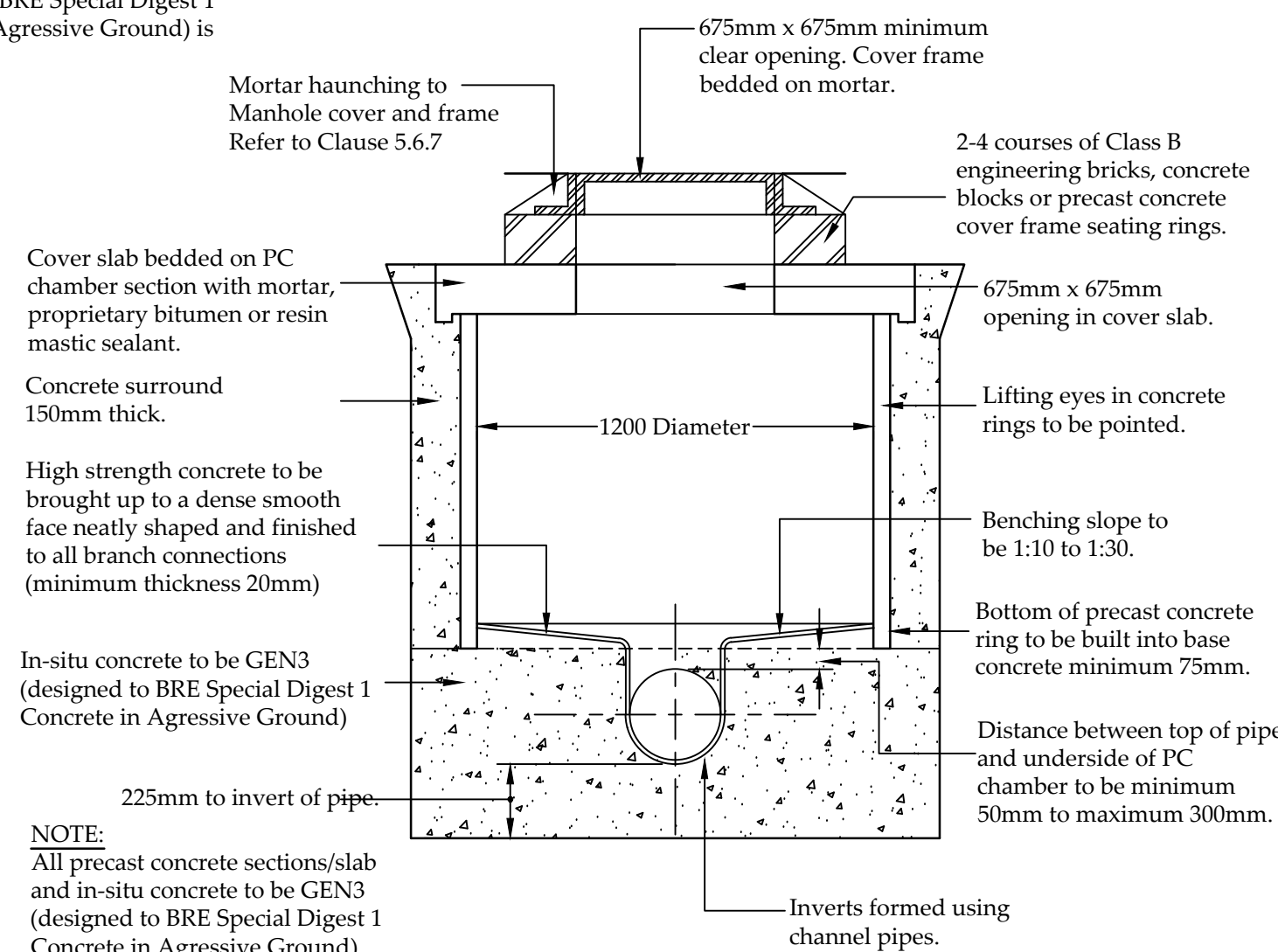
1:25



The design of manholes will need to comply with the Undertaker's safety policy.

Manhole Ref No.	Type of Manhole	Cover Level (approx)	Invert Level of Outlet Pipe	Approx Depth to invert level	Approx Depth to soffit level	Largest Pipe in Manhole (mm)	Internal size of Manhole	Cover Type		Remarks
								Clear Opening	Type	
F 1	D	53.670	52.690	0.980	0.830	150	900x675	675x675	D400	S104 Adoptable
F 2	C	53.850	52.575	1.275	1.125	150	1240x675	1220x675	D400	S104 Adoptable
F 3	B	54.150	52.455	1.695	1.545	150	1200dia	600x600	D400	S104 Adoptable
F 4		54.030	52.270	1.760	1.610	150				EXTG TWU MANHOLE

NOTE: Type C manholes may be replaced with Type E manholes with the specific approval of the Water Authority.



Approval of the undertaker must be given for installation of this type of manhole.

ADOPTABLE DRAINAGE NOTES

2.1 All adoptable drainage works to be in accordance with the Sewerage Sector Guidance (SSG)

2.2 All adoptable drainage to be either:-
Vitrified Clayware to BS 65 and BS EN 295.
OR
Concrete to BS 5911 Part 100 Class M loading and flexibly jointed (Class 3 Sulphate resistant cement).

Contractor to confirm the approval for the type of pipe and bedding being used with the adopting Authority prior to any construction commencing.

2.3 All precast concrete units are to be to BS 5911 (Class 3 Sulphate resistant cement).

2.4 All manhole covers and frames are to be to BS EN 124 and kite marked (refer to schedule for load class) and badged 'FW' or 'SW' as appropriate.

2.5 Where foul and surface water sewers cross and there is less than 100mm clearance short lengths of both runs are to be encased in concrete.

Notes:

- 1.1 Do not scale from this drawing.
- 1.2 All dimensions are in m unless otherwise specified.
- 1.3 In case of any discrepancies in drawings or details refer to engineer for clarification. Unilateral decisions by the contractor will not be accepted.
- 1.4 This drawing is to be read in conjunction with all related Architects, Consultants & Sub-Contractors drawings and specifications.
- 1.5 The Contractor is to ensure that all design drawings and information are read concurrently and any discrepancies or omissions reported directly to Aventus Design.
- 1.6 The Contractor must check the levels of all existing drainage outfalls prior to construction of any drainage, unless otherwise agreed, to ensure the proposed design may be achieved. Any discrepancies must be reported immediately to Aventus Design.
- 1.7 Sulphates have been determined as class 1 (DS-1) for design purposes in accordance with BRE Special Digest 1 (2001). Buried Concrete to be in accordance with AECCE Site Class AC-1s.
- 1.8 All adoptable highway works to be in accordance with the Local Authorities Specifications.
- 1.9 All adoptable drainage works to be in accordance with the Water Authorities standard guidelines for connections etc.
- 1.10 Formation to road/hardstanding to be proof rolled and any soft spots in subgrade of road/Hardstanding areas are to be excavated and replaced with well compacted sub-base or free draining granular material to Department of Transport Specification for Highway Works Part 2' Table 6/1 Class 1 (General Granular Fill) and compacted in accordance with Table 6/4.

CDM REGULATIONS 2015

Aventus Design have considered and where reasonably practicable avoided foreseeable risks in the preparation of the design shown on this and related drawings. Significant risks which remain and associated control measures are identified in the Risk Register and should be given particular attention by the main contractor on site.

RISKS RELATING TO THIS DRAWING:

RISK NUMBERS ? & ? on Risk Register
NOTE : The Risk Register records only those elements considered unusual, difficult to manage or outside the anticipated expertise of a competent contractor.

Drawing Status	PRELIMINARY ISSUE	
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A	03.04.25	Client address updated.	CU	-
REV.	DATE	DESCRIPTION	CHK	APP

Client: Darcliffe Homes

Site: Land Adj. Golf Club,
Pound Lane,
Sonning. RG4 6GG

Title: Adoptable Drainage Details

Drawing no. H1342 - 407

Issue: A	Scale: 1:10/20 @ A1		Checked: -	Date: -
	Drn: S.U.	Date: Feb '25	Apprv: -	Date: -