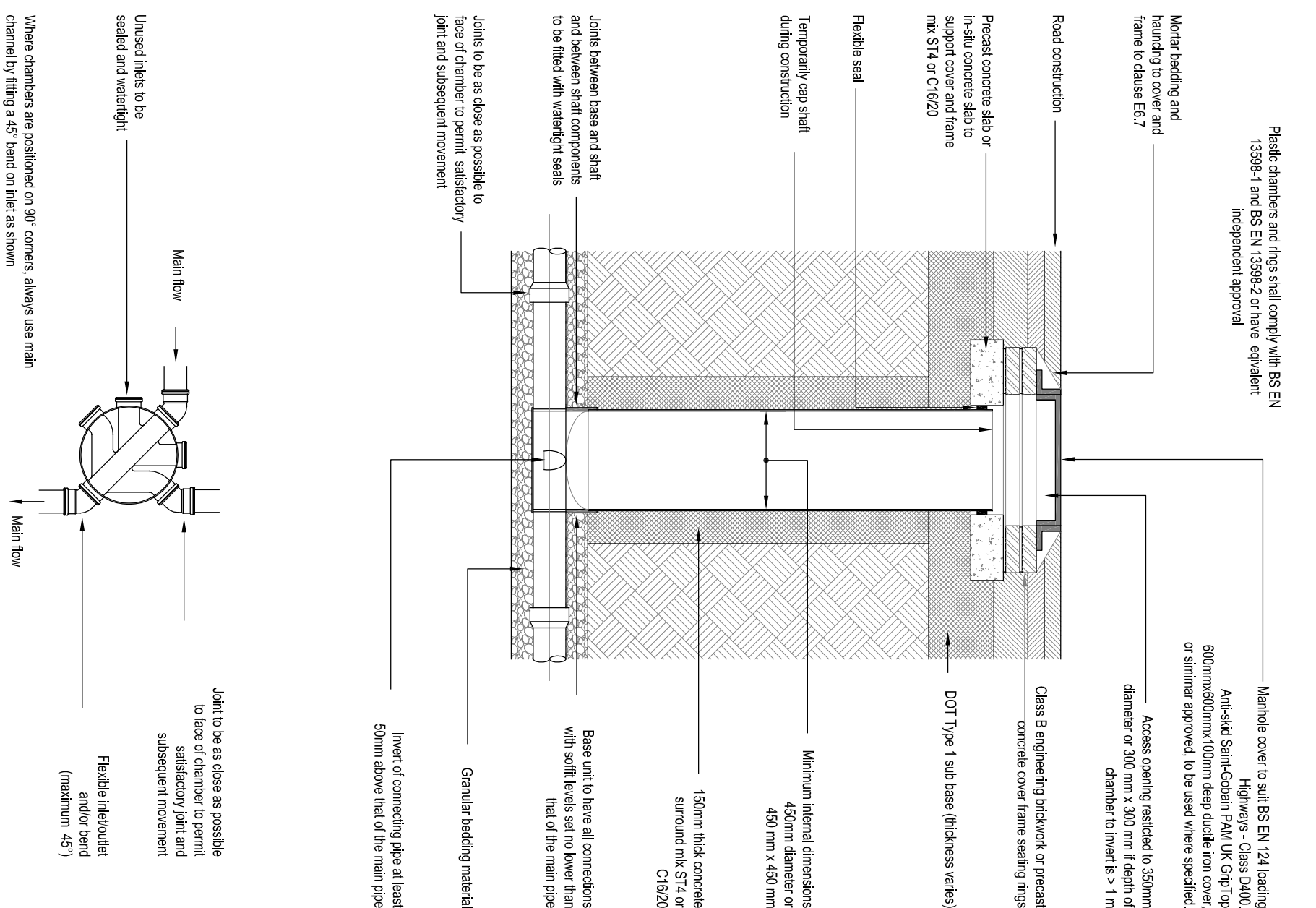


(Flexible material detail)

Maximum depth from cover to soffit level of pipe in areas subject to vehicle loading 3 m, non-entry



Maximum depth from cover level soffit of pipe 3.0 m

Maximum depth from cover level soffit of pipe 3.0 m

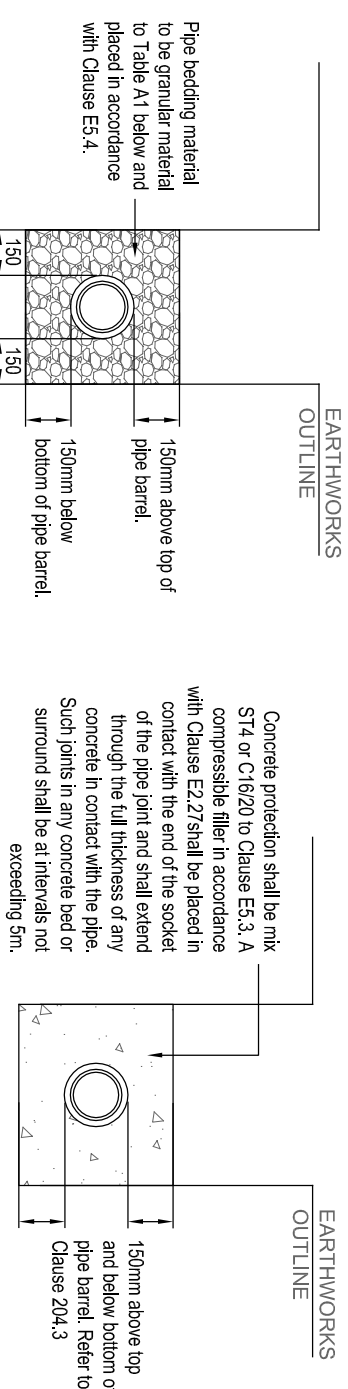
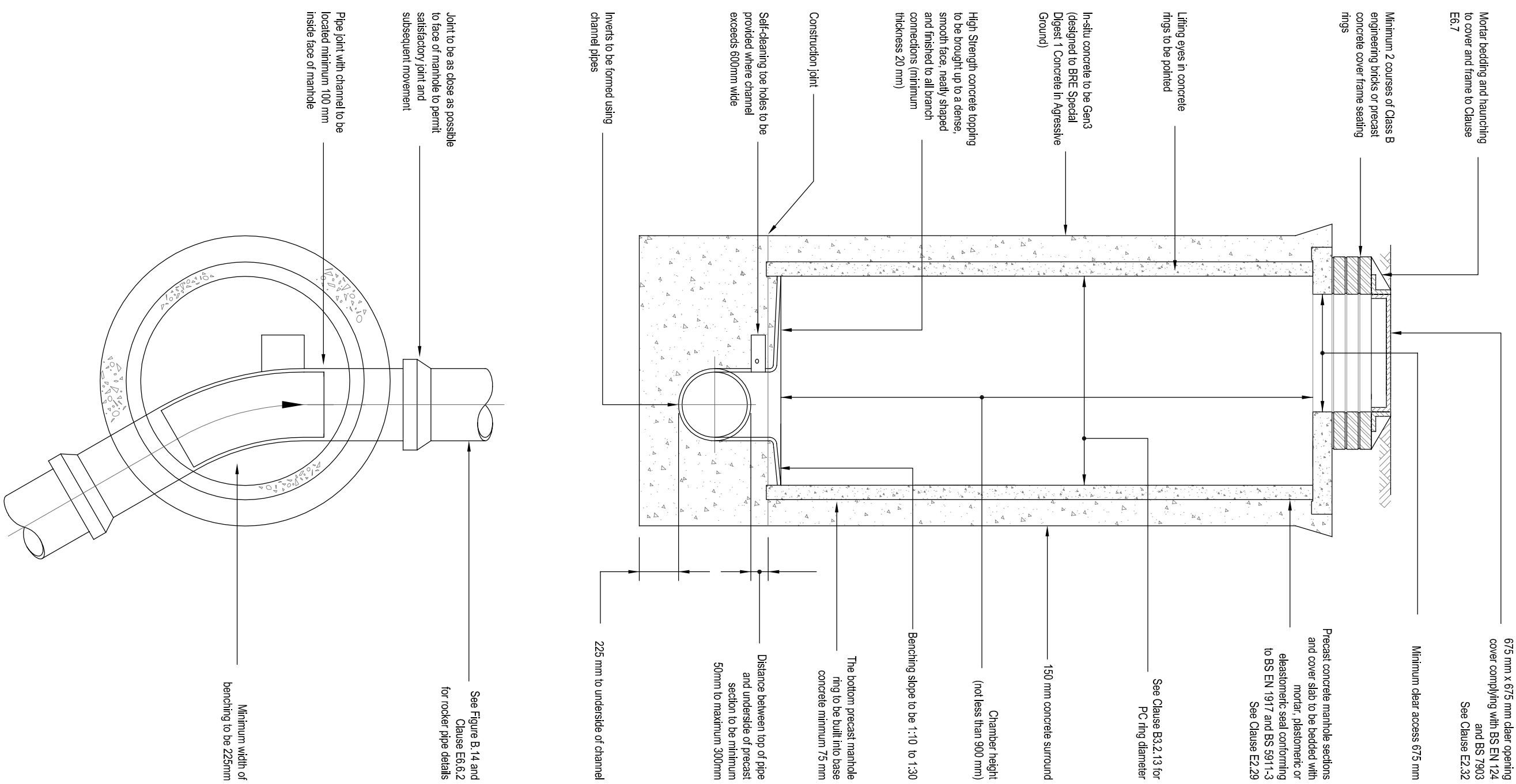


Table A.1 - Processed and as-dug granular bedding materials for rigid pipes

Water Industry Information and Guidance Note IGW 4-08-01 (including Amendment dated November 2008, Bedding and Sidelin Materials for Buried Pipelines

Pipe nominal size (DN)	Nominal maximum particle size (mm) See note (c)	Class of bedding See note (d)	Suitable Materials	
			Either: Maximum CF value for acceptability See note (b)	Or: Materials specified in British Standards See note (a)
100	10	S	0.15	10mm nominal single-size
		B	0.30	
		F	0.15	
Over 100 to 150	16	N	0.30	Free aggregate
		S	0.15	10 or 14 mm nominal single-size or 14mm to 5mm graded
		B	0.30	
		F	0.15	
Over 150 to 300	20	N	0.30	Free aggregate
		S	0.15	10, 14 or 20mm nominal single-size or 14mm to 5mm graded or 20mm to 5mm graded
		B	0.30	
		F	0.15	
Over 300 to 550	20	N	0.30	At least aggregate or the fine aggregate
		S	0.15	14 or 20mm nominal single-size or 14mm to 5mm graded or 20mm to 5mm graded
		B	0.30	
		F	0.15	
Over 550	40	N	0.30	At least aggregate or the fine aggregate
		S	0.15	14, 20 or 40mm nominal single-size crushed rock or 14mm to 5mm graded or 20mm to 5mm graded or 40mm to 5mm graded
		B	0.30	
		F	0.15	

Notes

- (a) Processed granular materials to include aggregates to BS EN 12342.
- (b) Compaction Fraction value (CF), see BS No. 4-05-02 Issue 4 and 10-40-02 Amendment (Nov 2008).
- (c) The nominal maximum particle size apply both to processed and as-dug materials (see Section 4). Materials specified to British Standards listed in table(a) allow an acceptable percentage of larger particles to be present provided that 100% passes the next larger sieve size in the range of sieves used in these standards.
- (d) Bedding classes are defined in:
BS EN 1236-1:1999 Structural design of buried pipelines under various conditions of loading
BS EN 1236-1:1999 Structural design of buried pipelines under various conditions of loading
IRRI – Compiled tables of bedding loads on buried pipelines.
- (e) The sulphate content of bedding and steel materials in use with cementitious pipe should not be greater than 0.3% as sulphur trioxide.

				MA
E	05.06.19	Anti-slip mat/cor cover specification added to Type 2 mat/cor detail		
D	22.03.19	Type 2 AH stop & opening updated. Type 5 vent & surround updated	HN	
C	05.03.19	Type 2 mat/cor added	MA	
B	22.07.19	Drawing status amended.	km	
A	14.07.19	Initial issue	km	
Rev.	Date	Details	Initials	

CONSTRUCTION

Project
Castle Avenue,
Havant

Client



Drawing Title				
Engineering Details				
Section 104 Details (1 of 2)				
Drawn	Checked	Seals	Paper Size	Date
MJS	KAM	N/S	A2	01.19
Job No.	Drawing No.		Revision	
ES1857	501-05		E	

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