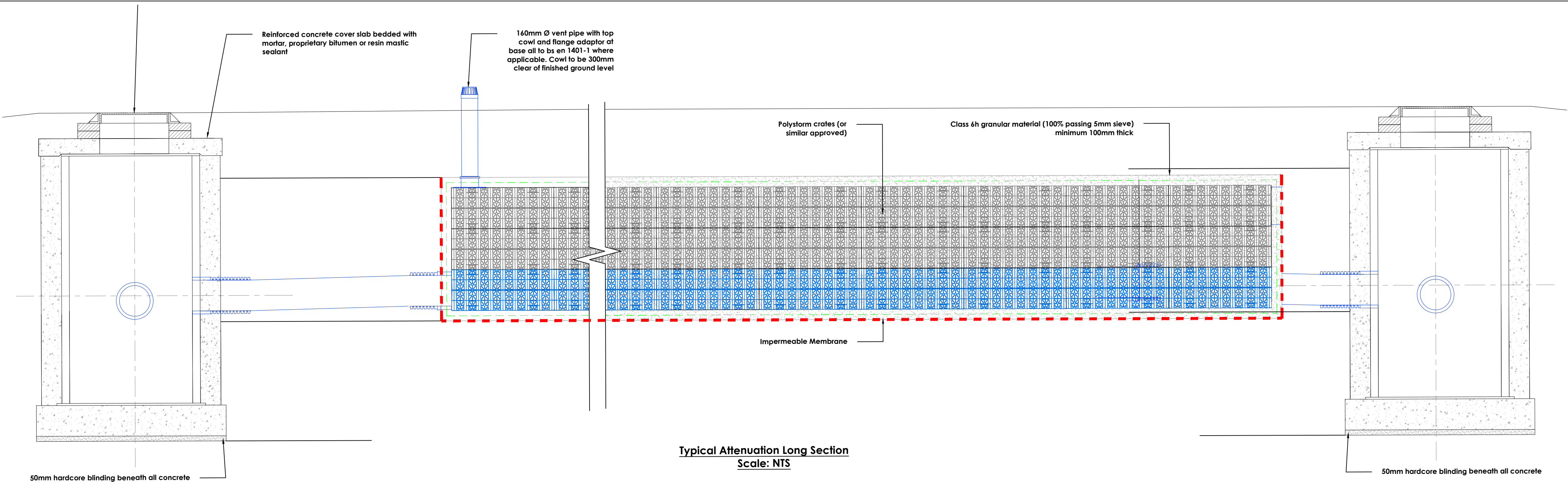
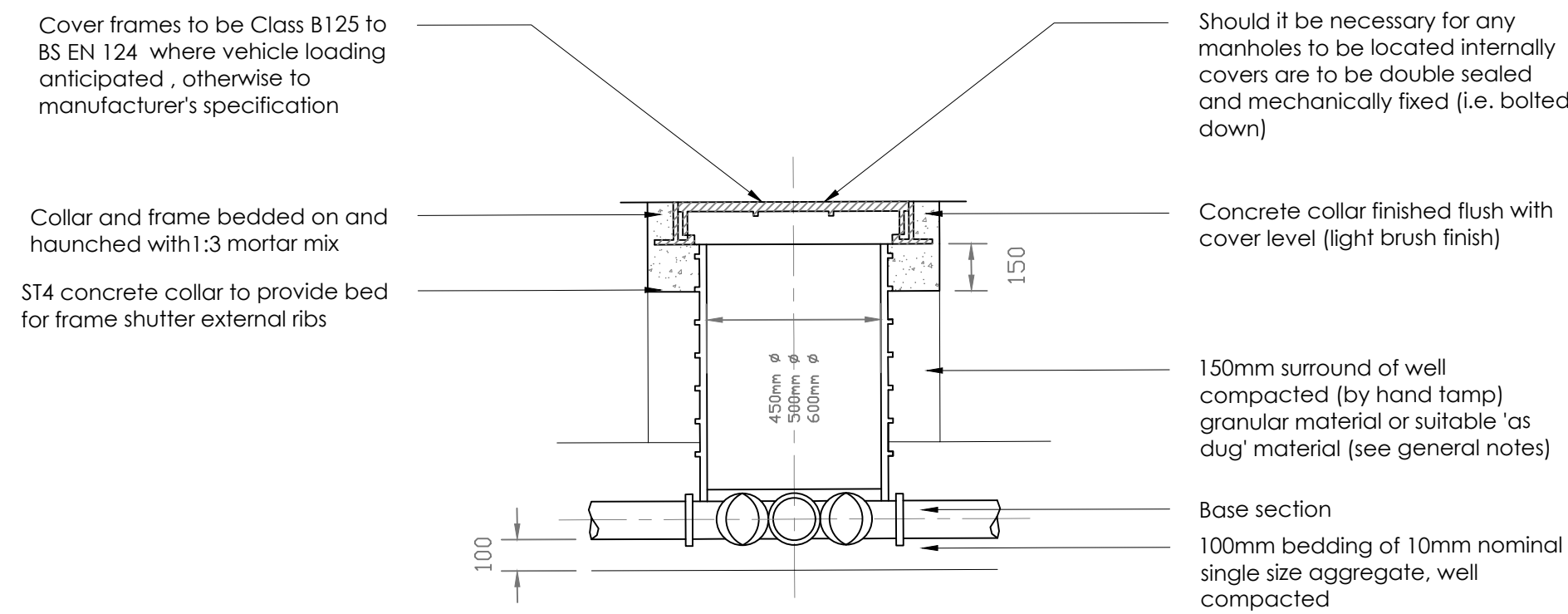




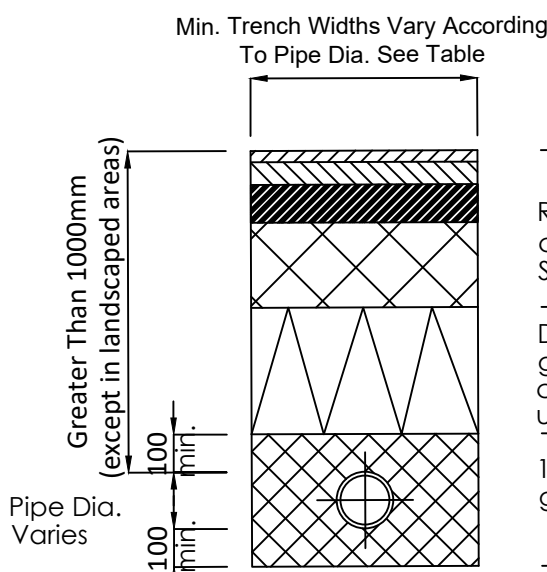
Typical Attenuation Long Section
Scale: NTS



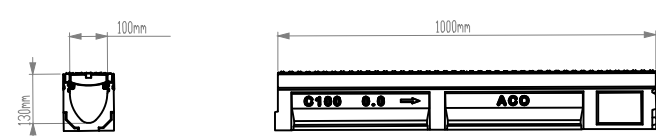
Inspection Chamber
Scale: NTS

Trench Widths:	
Pipe Dia. (mm)	Min. Trench Width (mm)
100	550
150	600
225	700
300	750
375	1050
450	1150

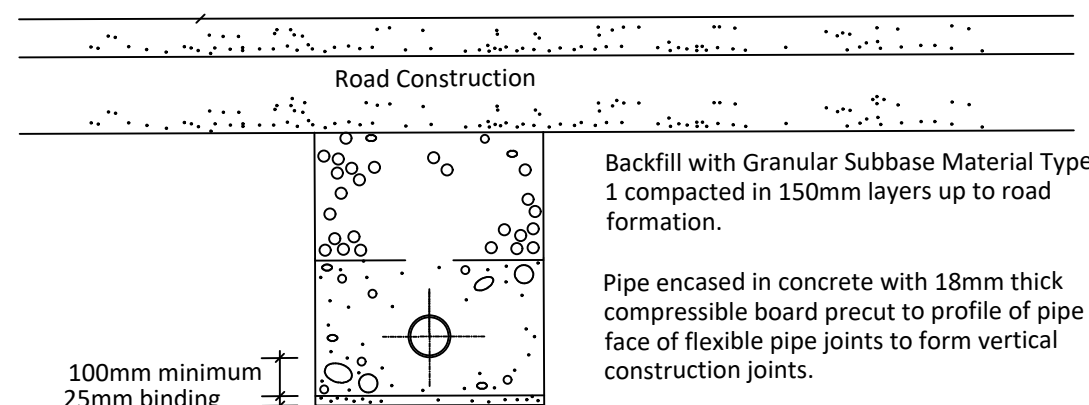
Note:
No Mechanical compaction techniques to be used within 300mm of the crown of all pipework.



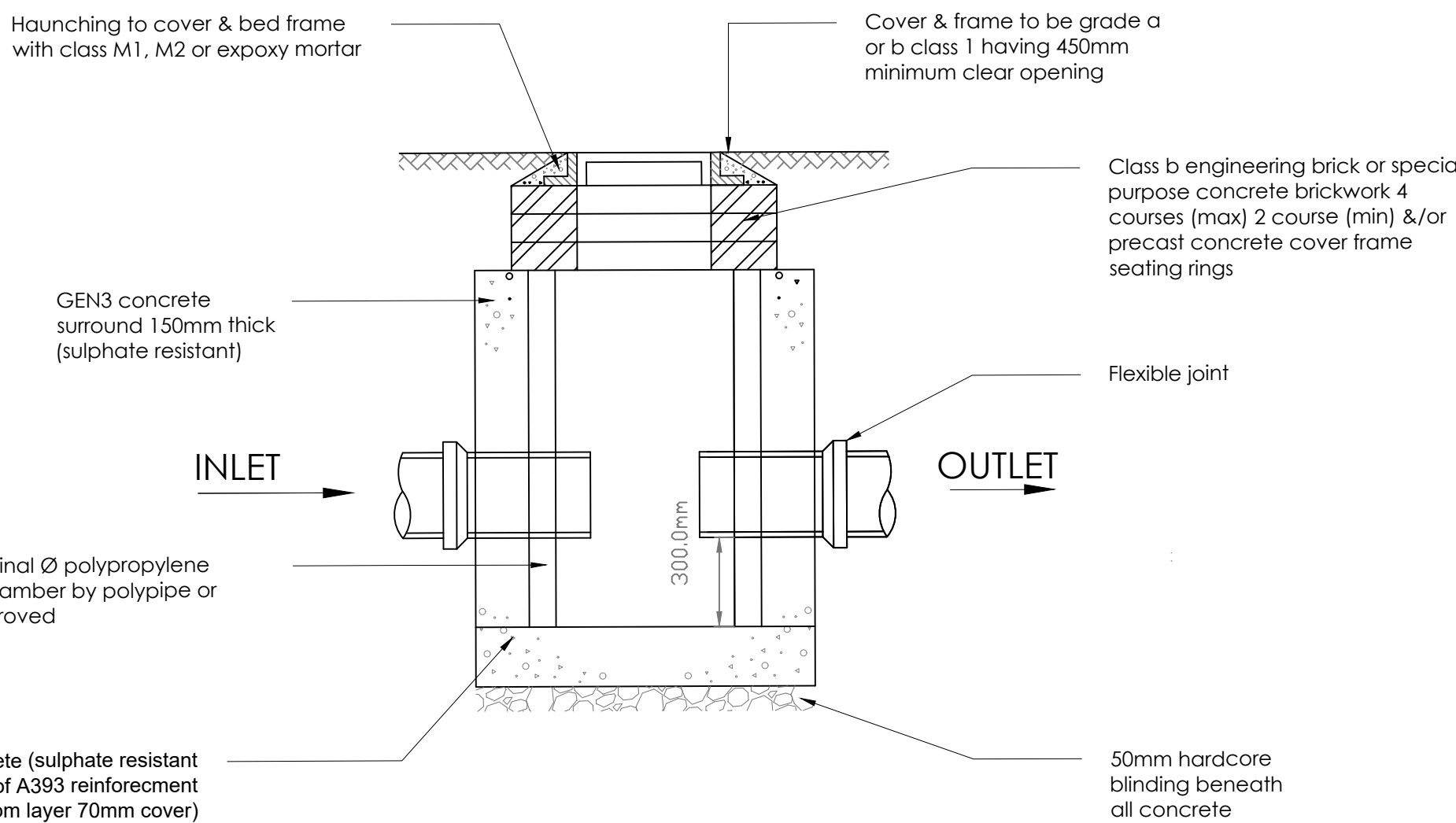
Pipe Bedding Detail
Type S



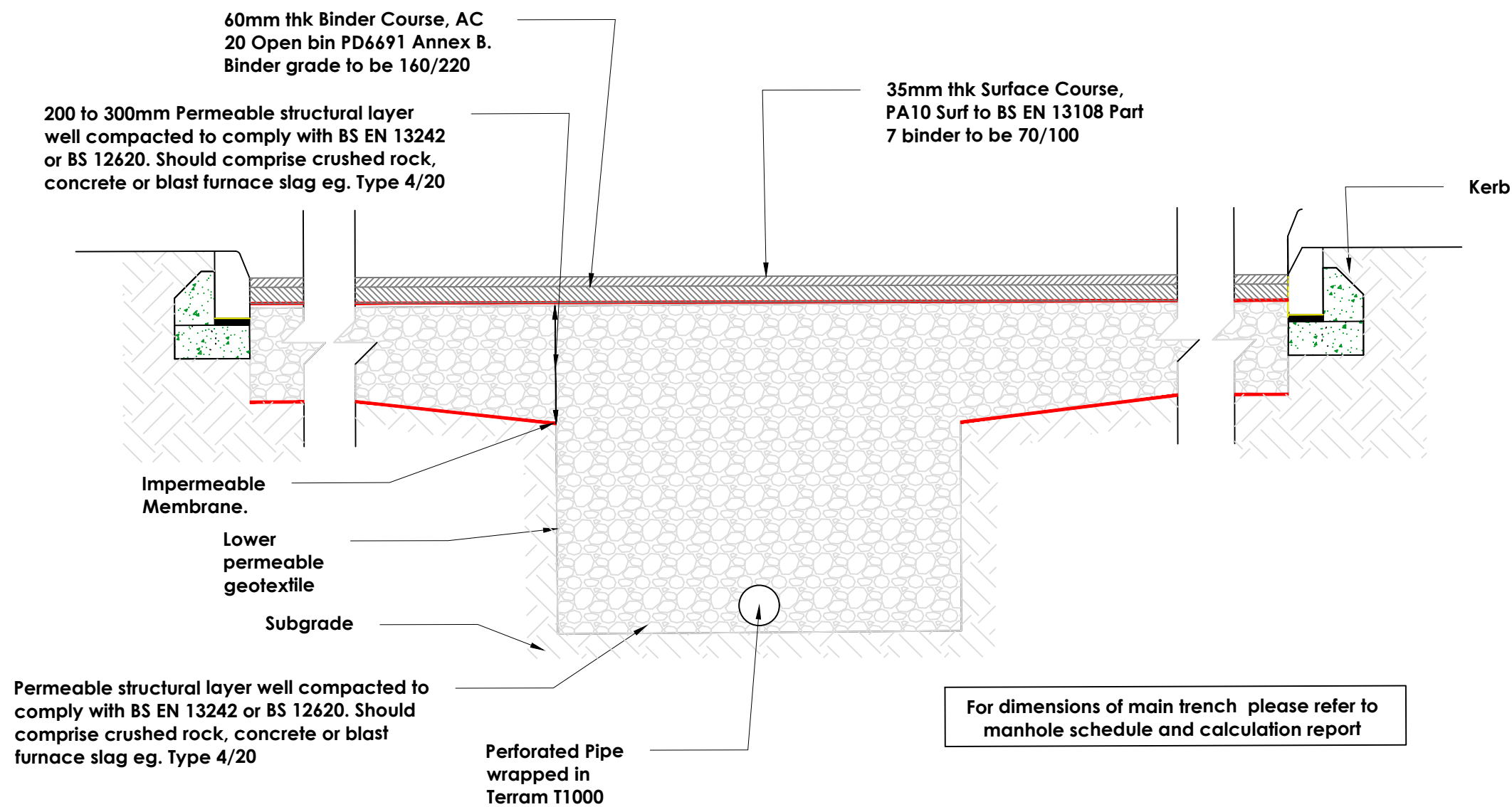
ACO Civic Drain C100 0.0
Scale: NTS



Pipe Bedding Detail
Type Z



Typical Catchpit Detail
Scale: NTS



Typical Section through Permeable Paving
Scale: NTS

- NOTES
1. Dimensions are in mm unless otherwise stated.
 2. Levels are in m AOD unless otherwise stated.
 3. This drawing has been produced to support a planning application for the named scheme. It should not be relied upon for any other purpose.
 4. In the absence of a proposed level strategy, levels have been based on existing topographical survey.
 5. Connections into main sewer to be confirmed via applications to Severn Trent.

Key

Reference Drawings

Wherever possible, risk is designed out during the design process. Where this is not possible, the risk will be minimised and any significant residual risk will be noted and indicated by a hazard warning triangle.

1. Connection into Existing Sewer



Rev	Date	Revision notes	By
A	15.11.2025	FINAL - For Planning	FEG

NOT FOR CONSTRUCTION

Status	For Planning
Project	Kingsley Holt Residential Development
Title	Standard Details Sheet 1 of 2
Client	Hammonds Construction Limited



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Drawn By	Publish Date	Scale(s)
FEG	15.11.2025	1:50
Drawing no. 00154/KIN/DR/1004	Revision A	

NOTES

1. Dimensions are in mm unless otherwise stated.
2. Levels are in m AOD unless otherwise stated.
3. This drawing has been produced to support a planning application for the named scheme. It should not be relied upon for any other purpose.
4. In the absence of a proposed level strategy, levels have been based on existing topographical survey.
5. Connections into main sewer to be confirmed via applications to Severn Trent.

Key

Reference Drawings

Wherever possible, risk is designed out during the design process. Where this is not possible, the risk will be minimised and any significant residual risk will be noted and indicated by a hazard warning triangle.

1. Connection into Existing Sewer



A	15.11.2025	FINAL - For Planning	FEG
Rev	Date	Revision notes	By

NOT FOR CONSTRUCTION

Status For Planning

Project Kingsley Holt Residential Development

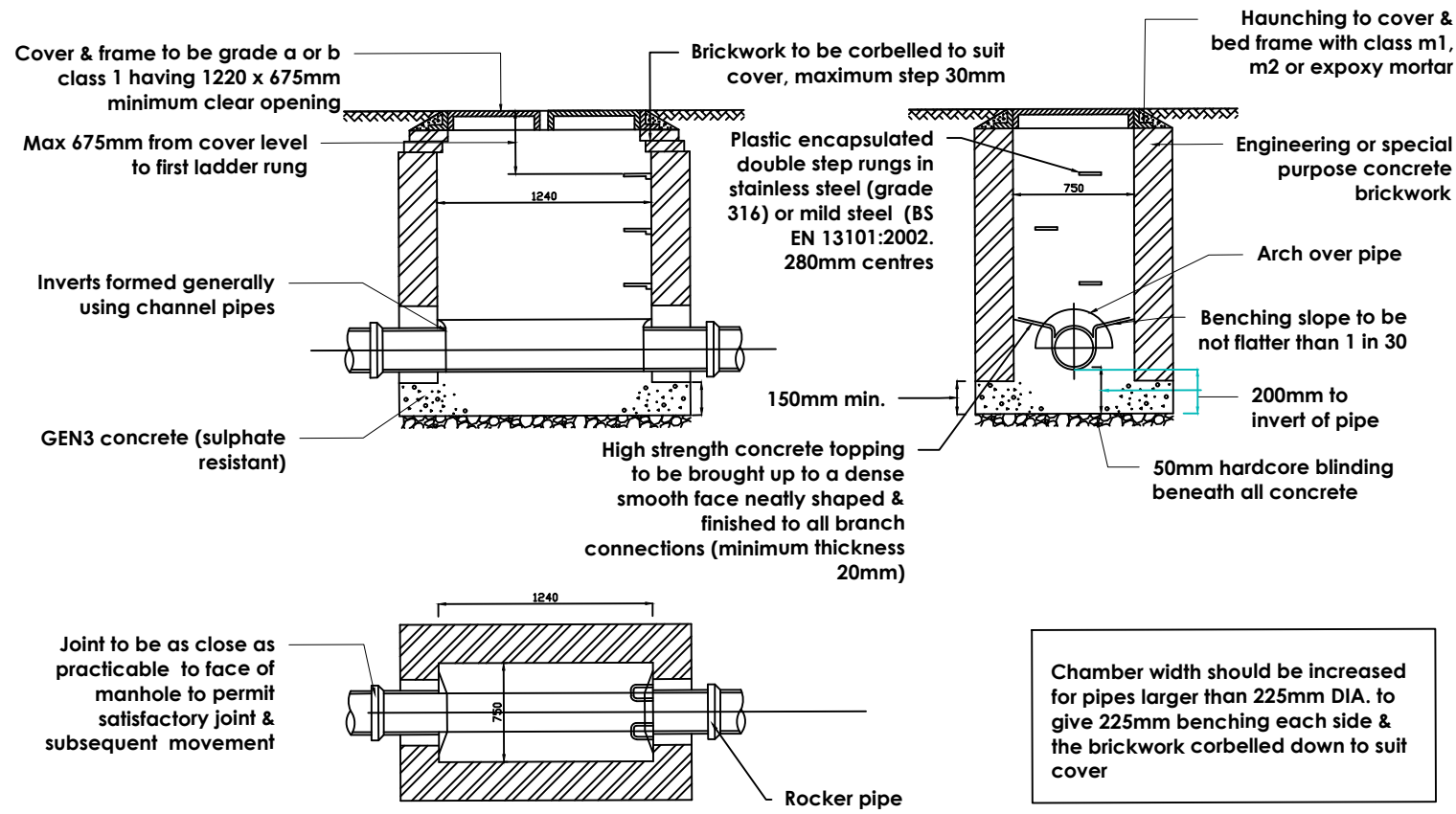
Title Standard Details
Sheet 2 of 2

Client Hammonds Construction Limited

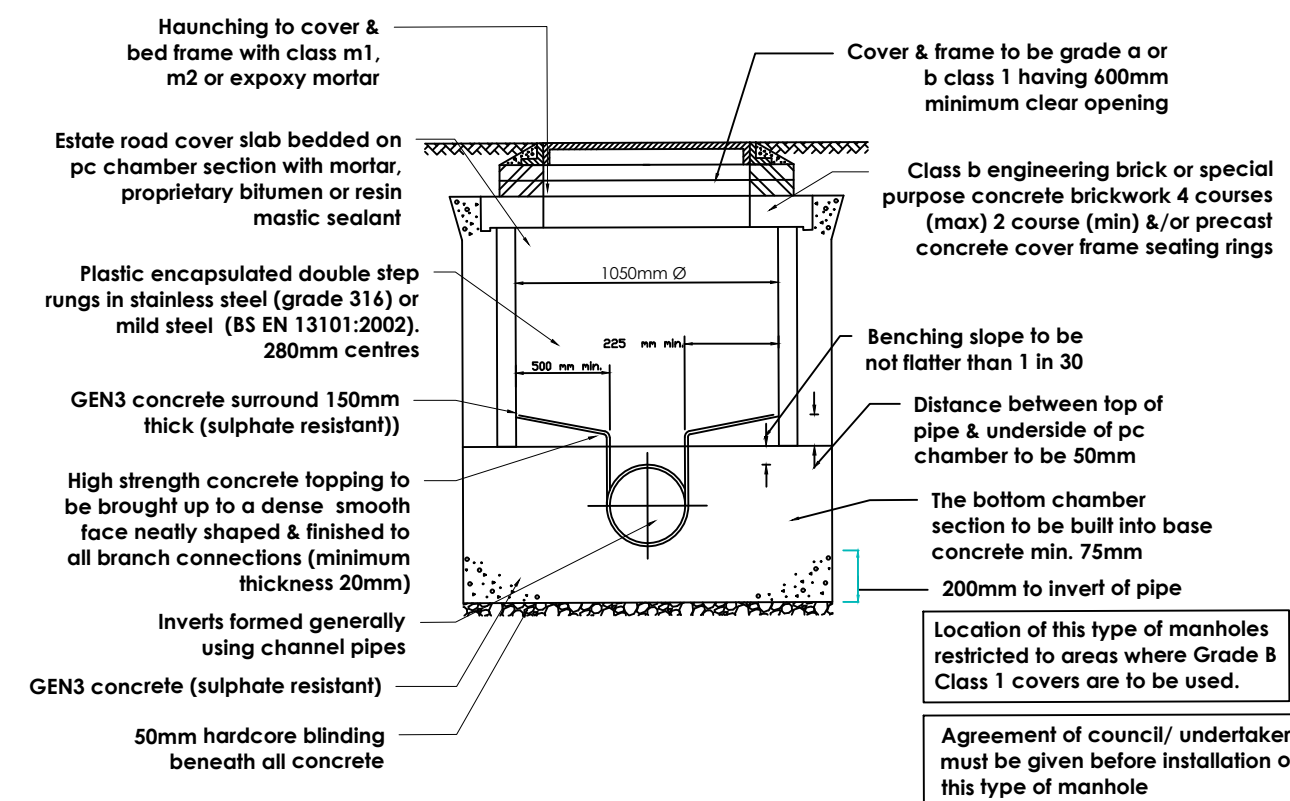
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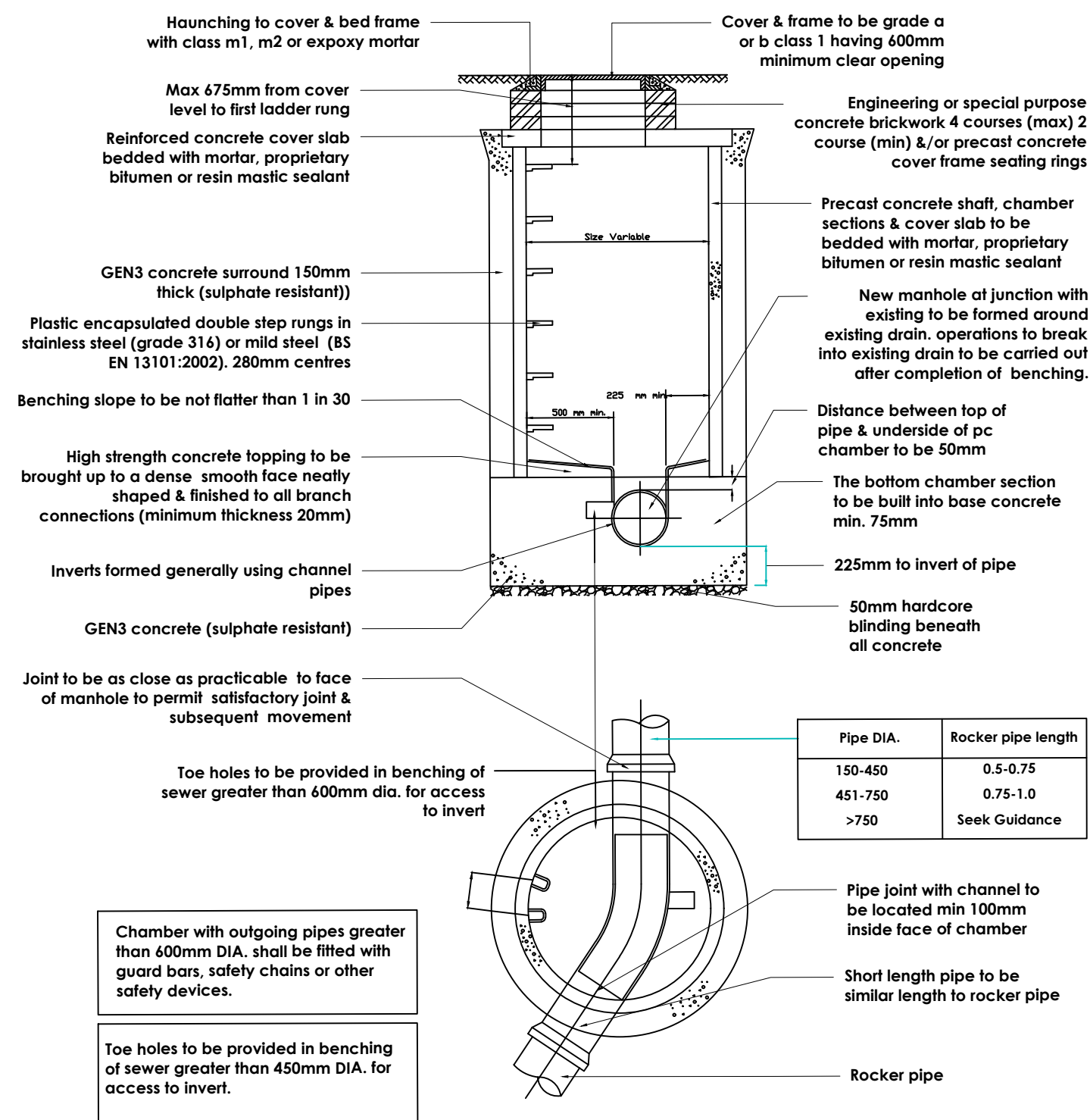
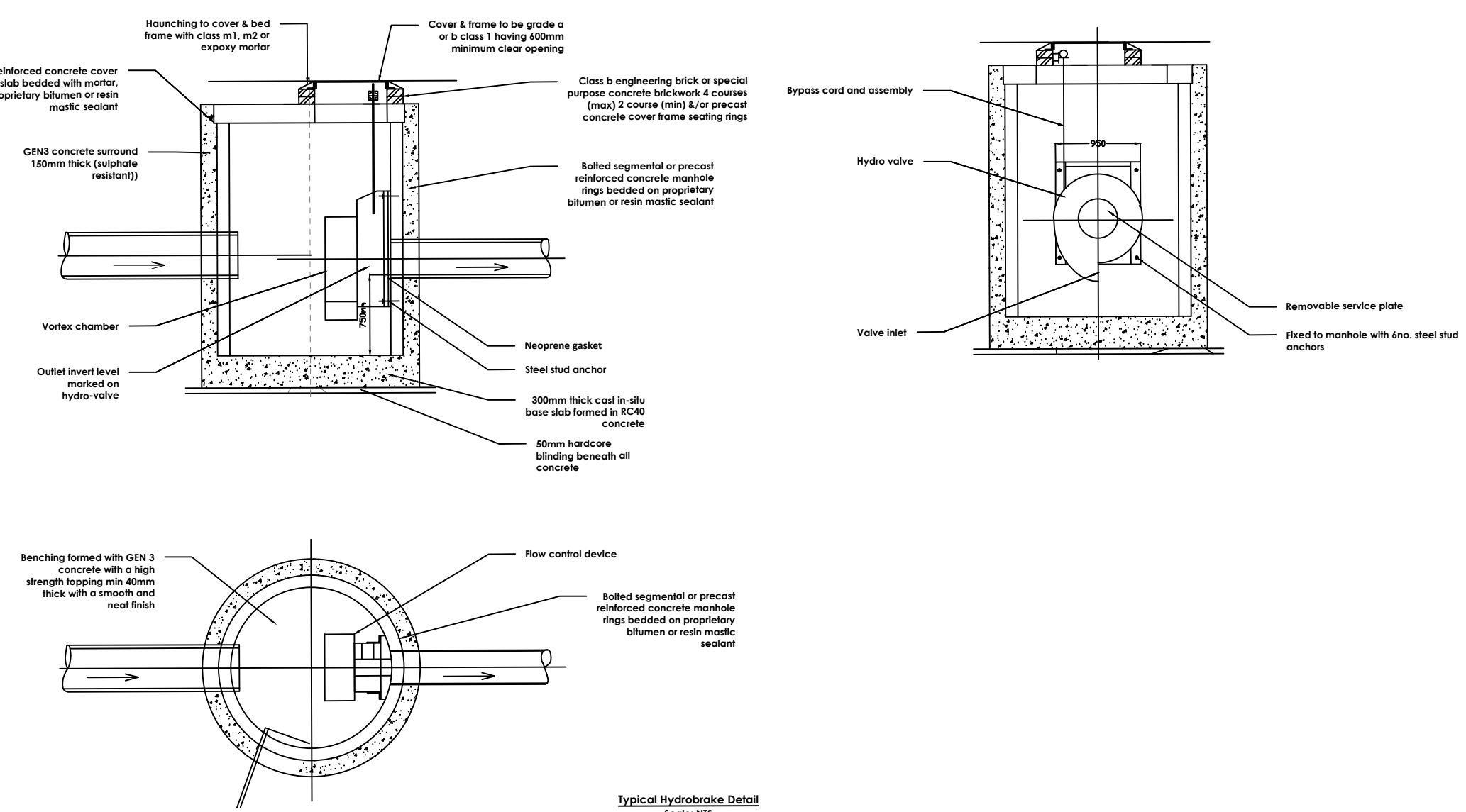
Drawn By	Publish Date	Scale(s)
FEG	15.11.2025	1:50
Drawing no.	Revision	
00154/KIN/DR/1005		A



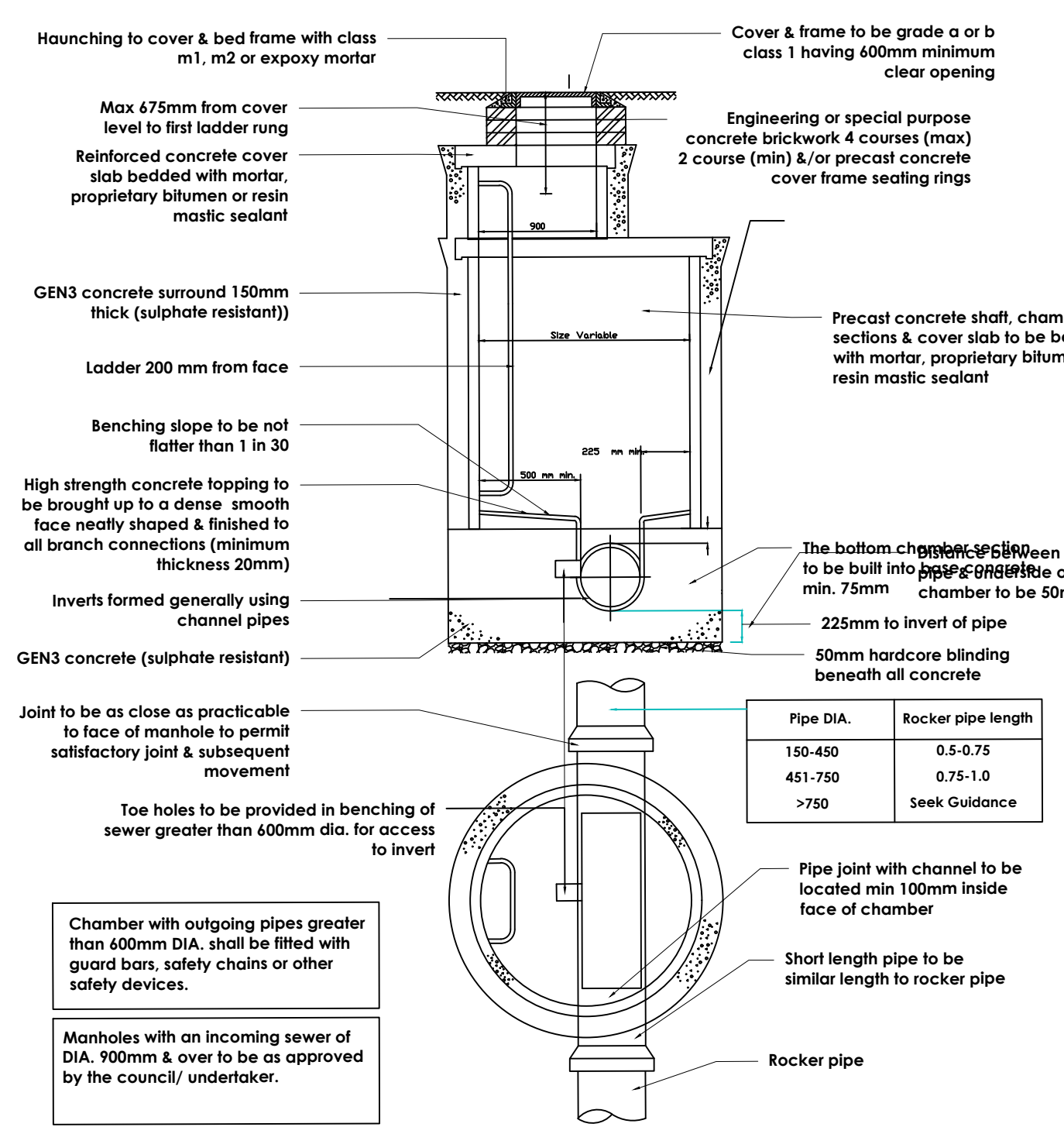
Manhole Type C
Depth to soffit 1.0m to 1.35m
Scale: NTS



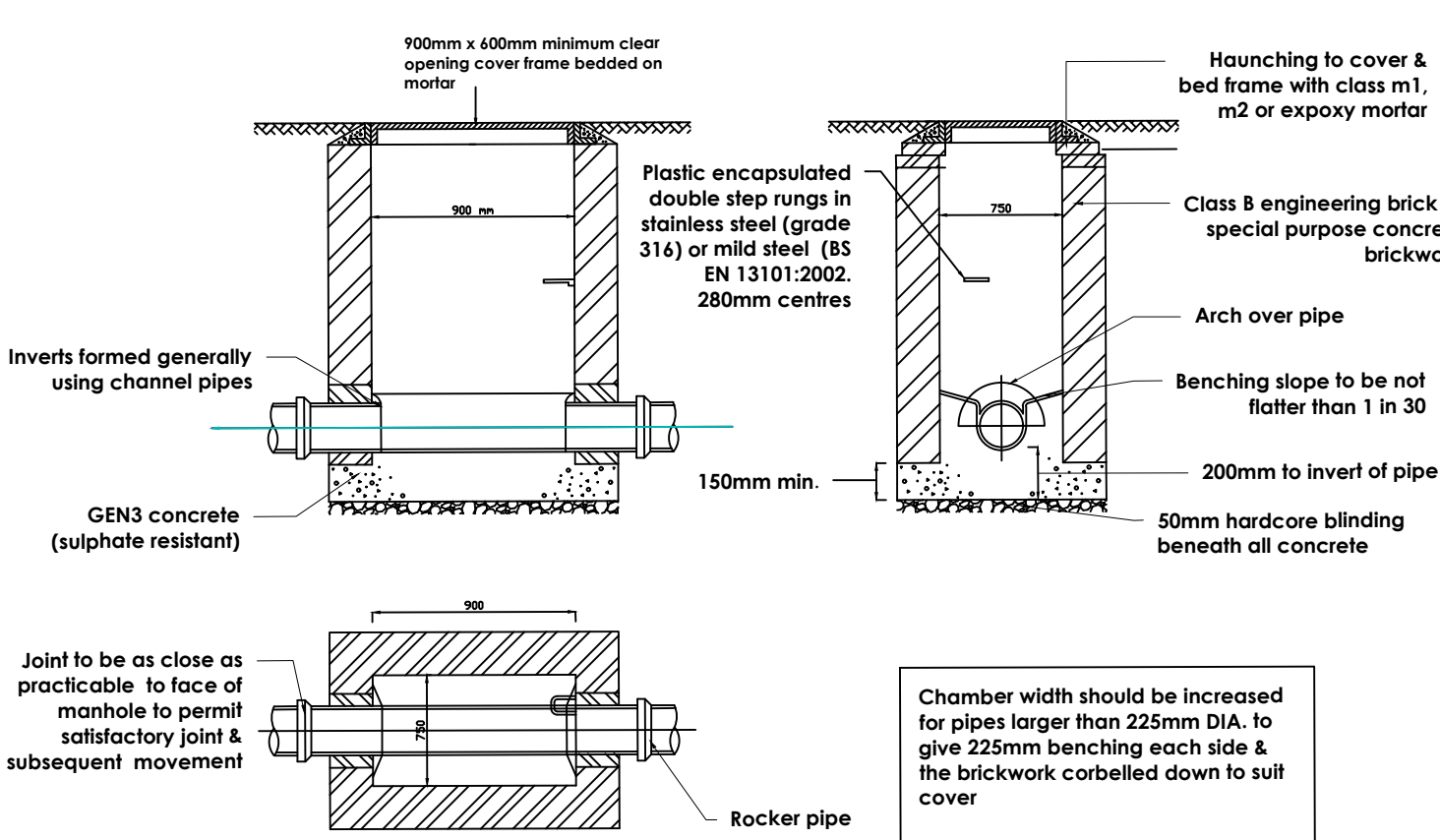
Manhole Type F
Depth to soffit less than 1.0m
Scale: NTS



Manhole Type B
1.35m to 3.0m Depth, (1200mm diameter minimum)
Scale: NTS

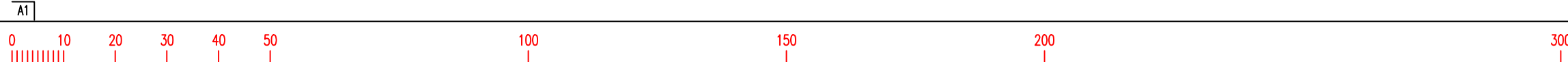


Manhole Type A
3.0m to 6.0m Depth, (1200mm diameter minimum)
Scale: NTS



Manhole Type D
Depth to soffit less than 1.0m
Scale: NTS

Do not scale



Appendix M – Foul Calculations

Project Number: 00154
Project Name: Kingsley Residential Development
Calculation: Foul Drainage
Originator: FEG
Rev: A



Pipe Number	Upstream Manhole				Downstream Manhole				Flow in pipe	Cumulative Flow	Assumed Pipe Size	Length	Gradient	Full Bore Velocity	Full Bore Flow	Prop Discharge Coefficient	Proportional Velocity	Proportional Depth of Flow	Actual Velocity	Comment
	No.	Cover Level	Invert	Depth	No.	Cover Level	Invert	Depth												
F1.000	MHF01	203.900	202.600	1.20	MHF02	203.490	202.395	0.99	0.05	0.05	100	8.2	40	1.068	8.388	0.006	0.283	0.06	0.30	Acceptable as 100mm dia. Sewer laid no flatter than 1 in 80 and has at least 1 WC (see clause B6 point 9b of design and construction guidance)
F1.001	MHF02	203.490	202.395	0.99	MHF03	203.370	201.899	1.37	0.05	0.1	100	19.9	40	1.068	8.388	0.012	0.345	0.08	0.37	Acceptable as 100mm dia. Sewer laid no flatter than 1 in 80 and has at least 1 WC (see clause B6 point 9b of design and construction guidance)
F1.002	MHF03	203.370	201.899	1.37	MHF04	202.870	201.519	1.25	0.05	0.15	100	15.2	40	1.068	8.388	0.018	0.4	0.021	0.43	Acceptable as 100mm dia. Sewer laid no flatter than 1 in 80 and has at least 1 WC (see clause B6 point 9b of design and construction guidance)
F1.003	MHF04	202.870	201.519	1.25	MHF05	202.610	201.113	1.40	0.05	0.2	100	16.3	40	1.068	8.388	0.024	0.4	0.021	0.43	Acceptable as 100mm dia. Sewer laid no flatter than 1 in 80 and has at least 1 WC (see clause B6 point 9b of design and construction guidance)
F1.004	MHF05	202.610	201.113	1.40	MHF06	202.600	200.927	1.57	0.05	0.25	100	7.5	40	1.068	8.388	0.030	0.45	0.031	0.48	Acceptable as 100mm dia. Sewer laid no flatter than 1 in 80 and has at least 1 WC (see clause B6 point 9b of design and construction guidance)
F1.005	MHF06	202.600	200.927	1.57	MHC01	202.760	200.704	1.96	0	0.25	100	8.9	40	1.068	8.388	0.030	0.45	0.031	0.48	Acceptable as 100mm dia. Sewer laid no flatter than 1 in 80 and has at least 1 WC (see clause B6 point 9b of design and construction guidance)
F2.000	MHF07	204.160	202.860	1.20	MHF08	203.930	202.415	1.42	0.05	0.05	100	17.8	40	1.068	8.388	0.006	0.283	0.06	0.30	Acceptable as 100mm dia. Sewer laid no flatter than 1 in 80 and has at least 1 WC (see clause B6 point 9b of design and construction guidance)
F2.001	MHF08	203.930	202.415	1.42	MHF09	203.310	202.026	1.18	0.05	0.1	100	15.6	40	1.068	8.388	0.012	0.345	0.08	0.37	Acceptable as 100mm dia. Sewer laid no flatter than 1 in 80 and has at least 1 WC (see clause B6 point 9b of design and construction guidance)
F2.002	MHF09	203.310	202.026	1.18	MHF10	203.120	201.769	1.25	0.05	0.15	100	10.3	40	1.068	8.388	0.018	0.4	0.021	0.43	Acceptable as 100mm dia. Sewer laid no flatter than 1 in 80 and has at least 1 WC (see clause B6 point 9b of design and construction guidance)
F2.003	MHF10	203.120	201.769	1.25	MHF11	202.980	201.460	1.42	0.05	0.2	100	12.4	40	1.068	8.388	0.024	0.4	0.021	0.43	Acceptable as 100mm dia. Sewer laid no flatter than 1 in 80 and has at least 1 WC (see clause B6 point 9b of design and construction guidance)
F2.004	MHF11	202.980	201.460	1.42	MHC01	202.760	200.704	1.96	0	0.2	100	2.7	4	3.391	26.633	0.008	0.283	0.06	0.96	
C1.000	MHC01	202.760	200.704	1.91	MHC02	200.680	199.330	1.20	0	0.45	150	27.4	20	1.992	35.202	0.013	0.345	0.08	0.69	Acceptable as 100mm dia. Sewer laid no flatter than 1 in 80 and has at least 1 WC (see clause B6 point 9b of design and construction guidance)
C1.001	MHC02	200.680	199.330	1.20	EXMH	200.080	198.080	1.85	0	0.45	150	48.2	39	1.425	25.185	0.018	0.4	0.1	0.57	Acceptable as 100mm dia. Sewer laid no flatter than 1 in 80 and has at least 1 WC (see clause B6 point 9b of design and construction guidance)