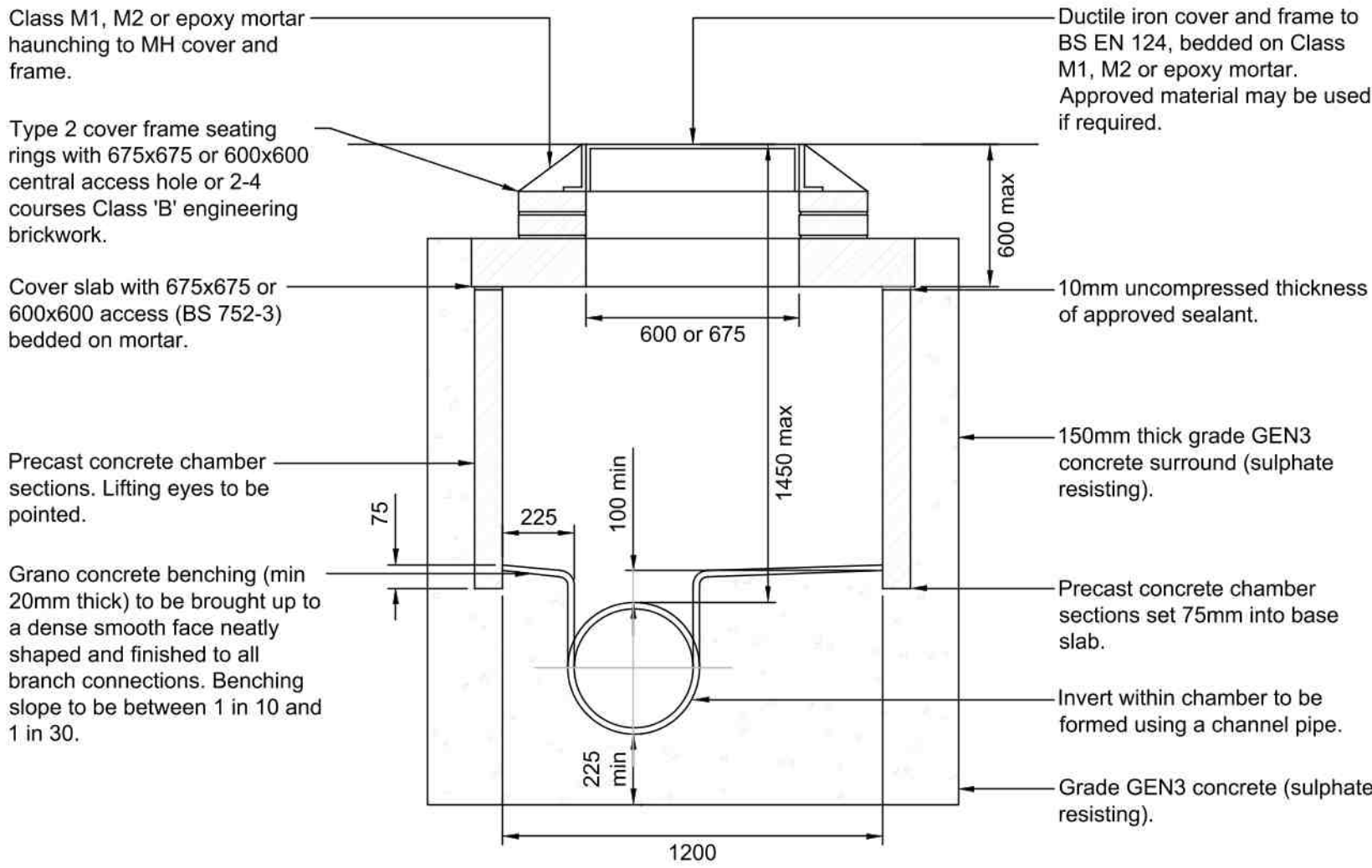
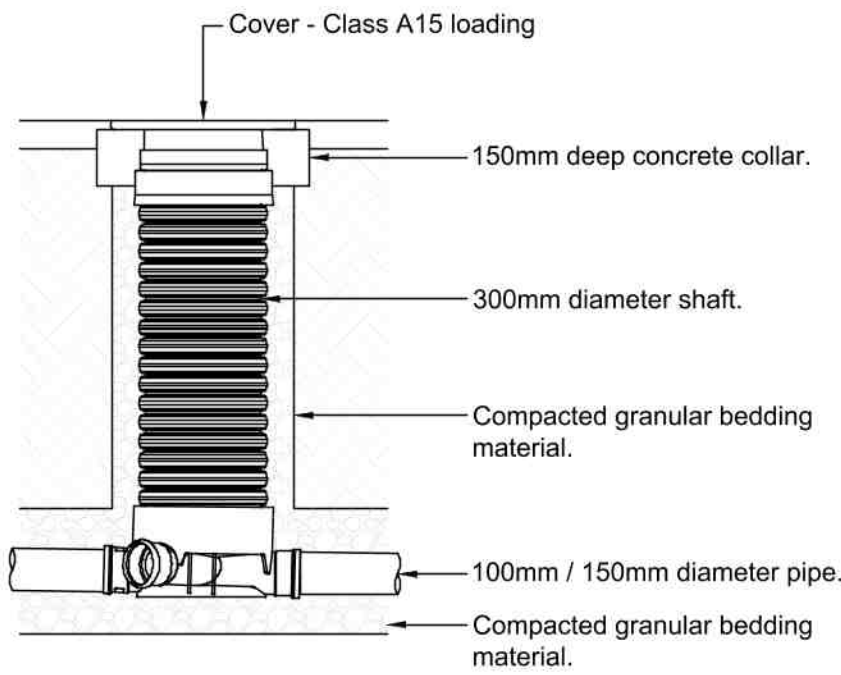




Manhole Type E - Section

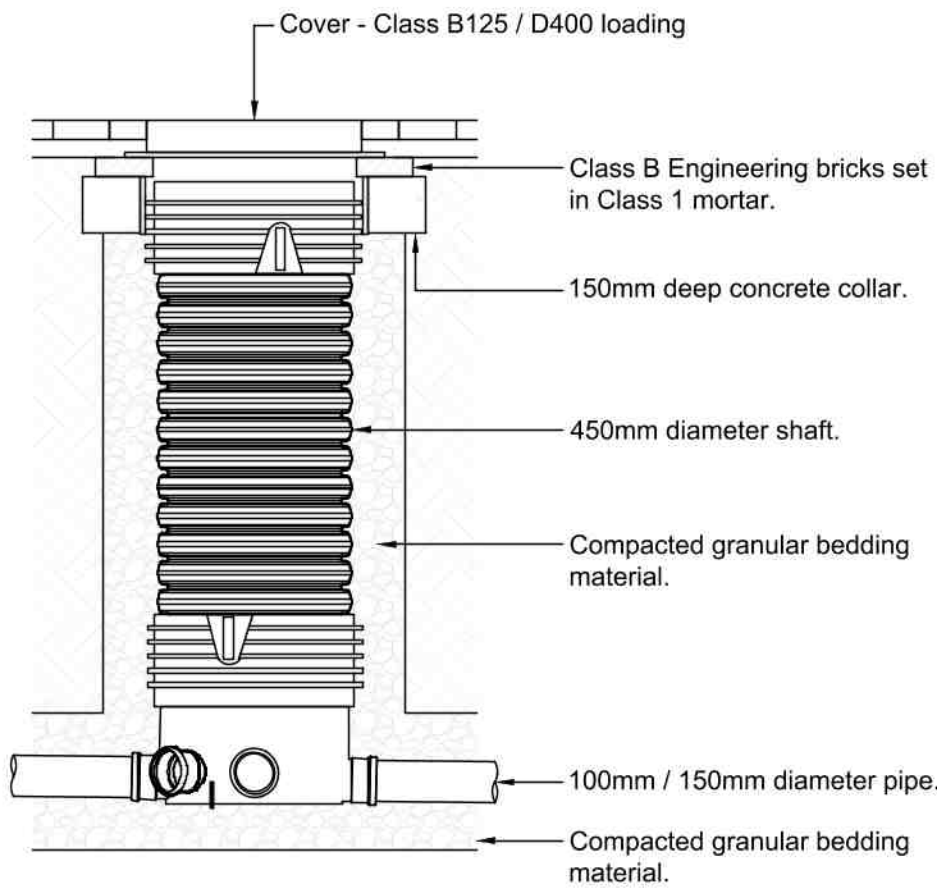
(Scale 1:20)

Depth to soffit 1.000m to 1.500m



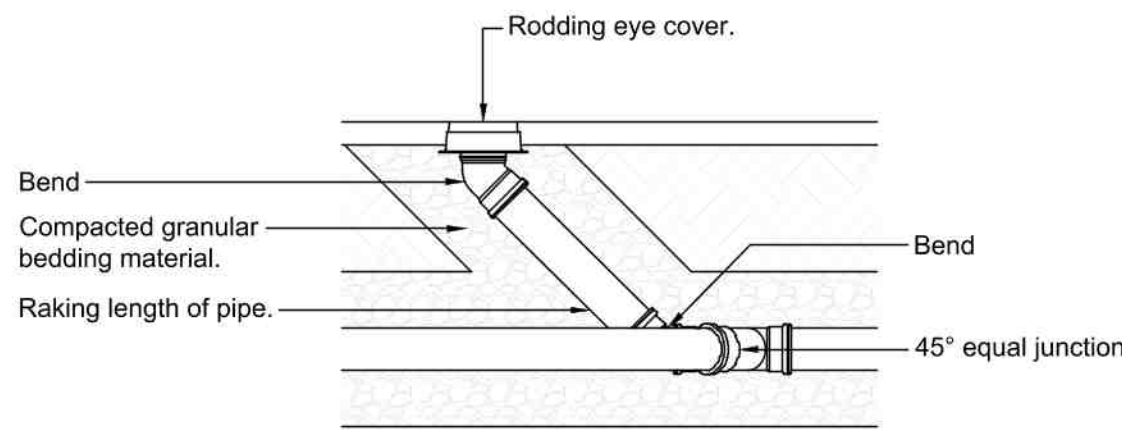
300mm Mini PPIC - A15 Cover

(Scale 1:20)



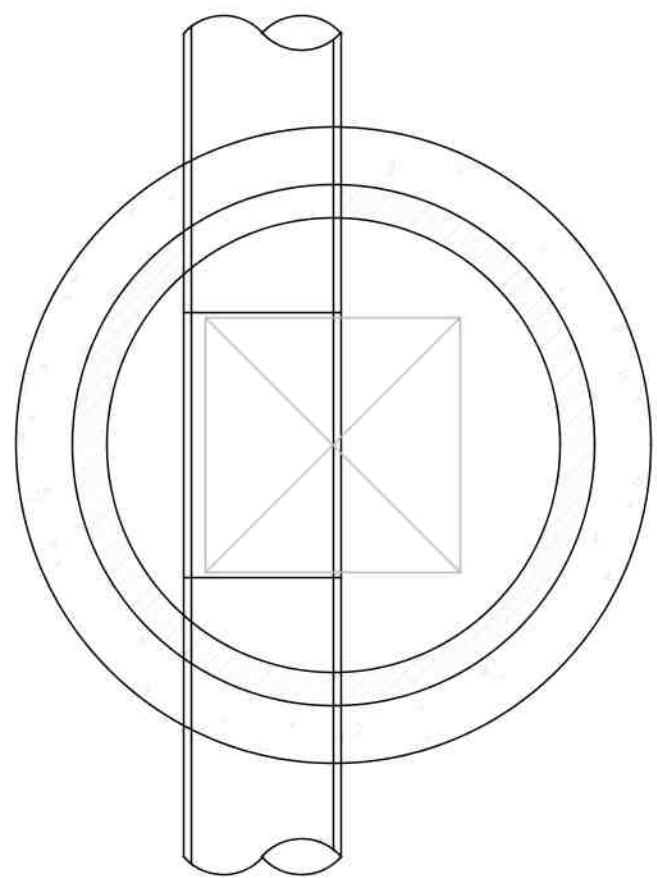
450mm PPIC - B125 / D400 Cover

(Scale 1:20)



Rodding Eyes

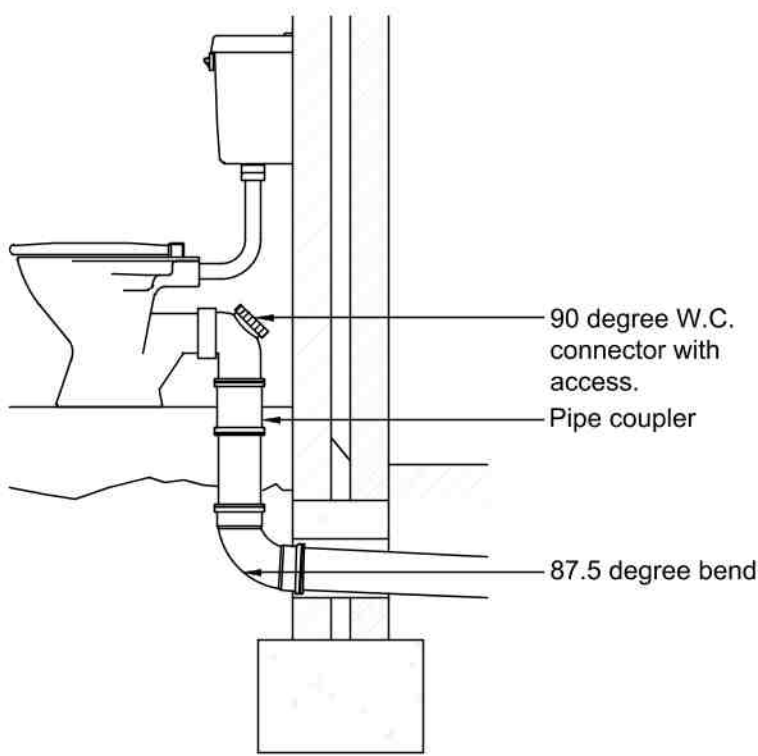
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Manhole Type E - Plan

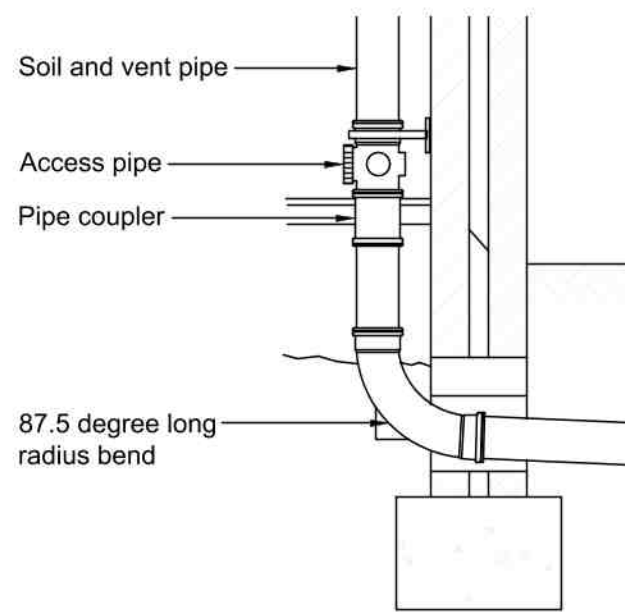
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Depth to soffit 1.000m to 1.500m



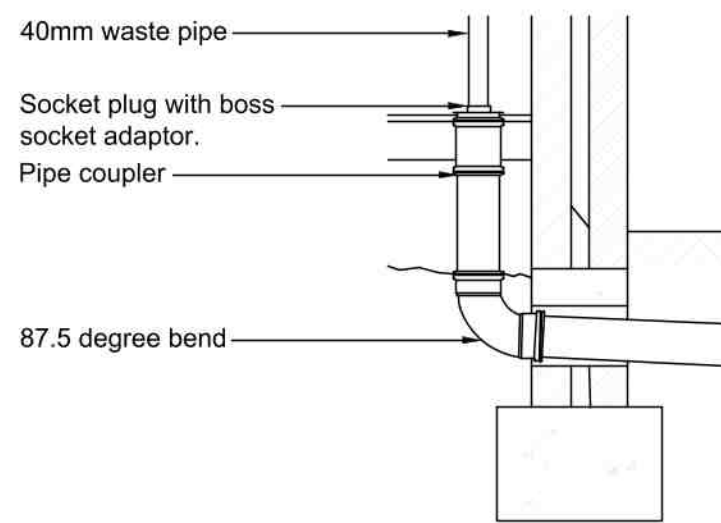
WC Through External Wall

(Scale 1:20)



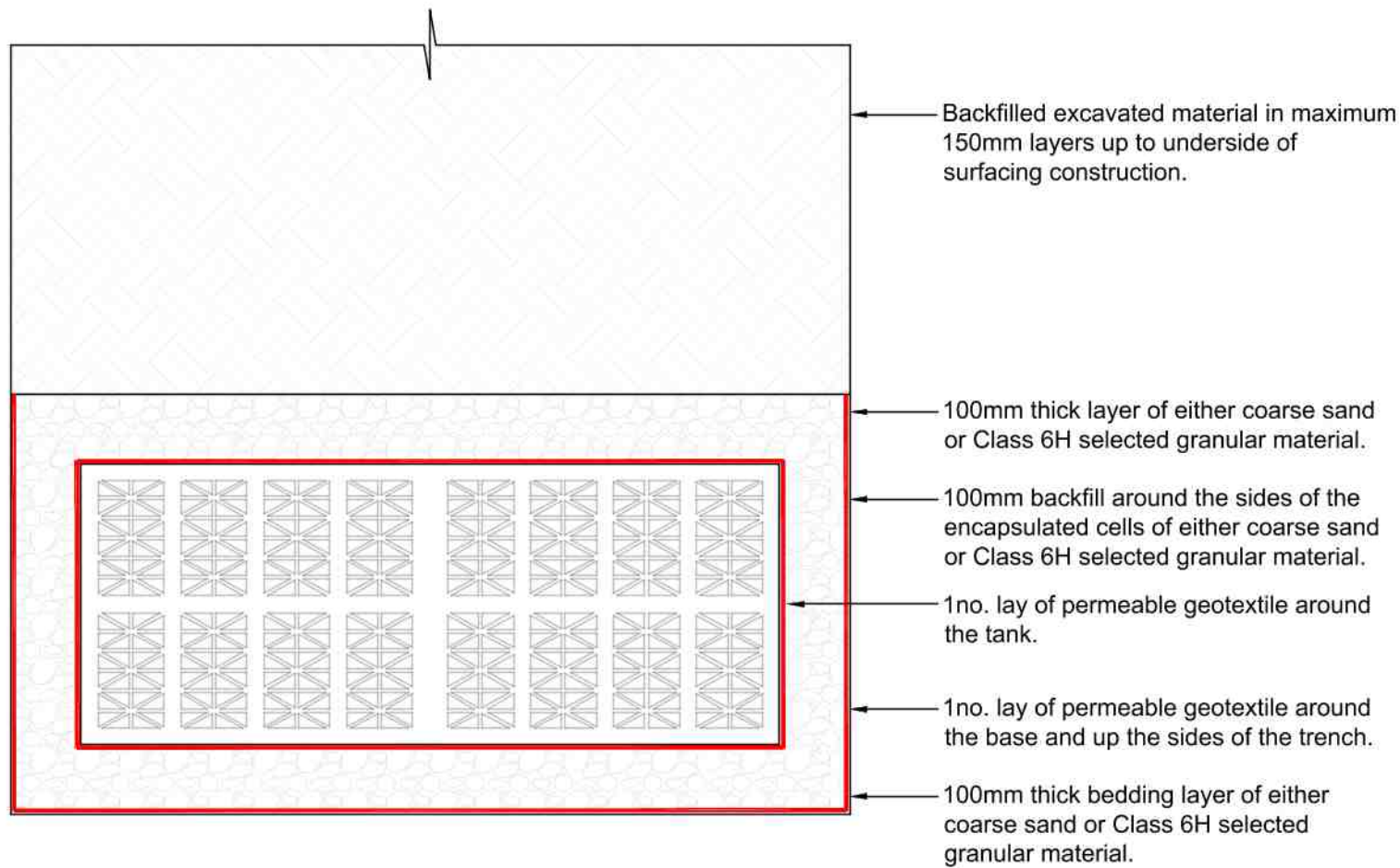
SVP Through External Wall

(Scale 1:20)



Internal Waste Pipe Through External Wall

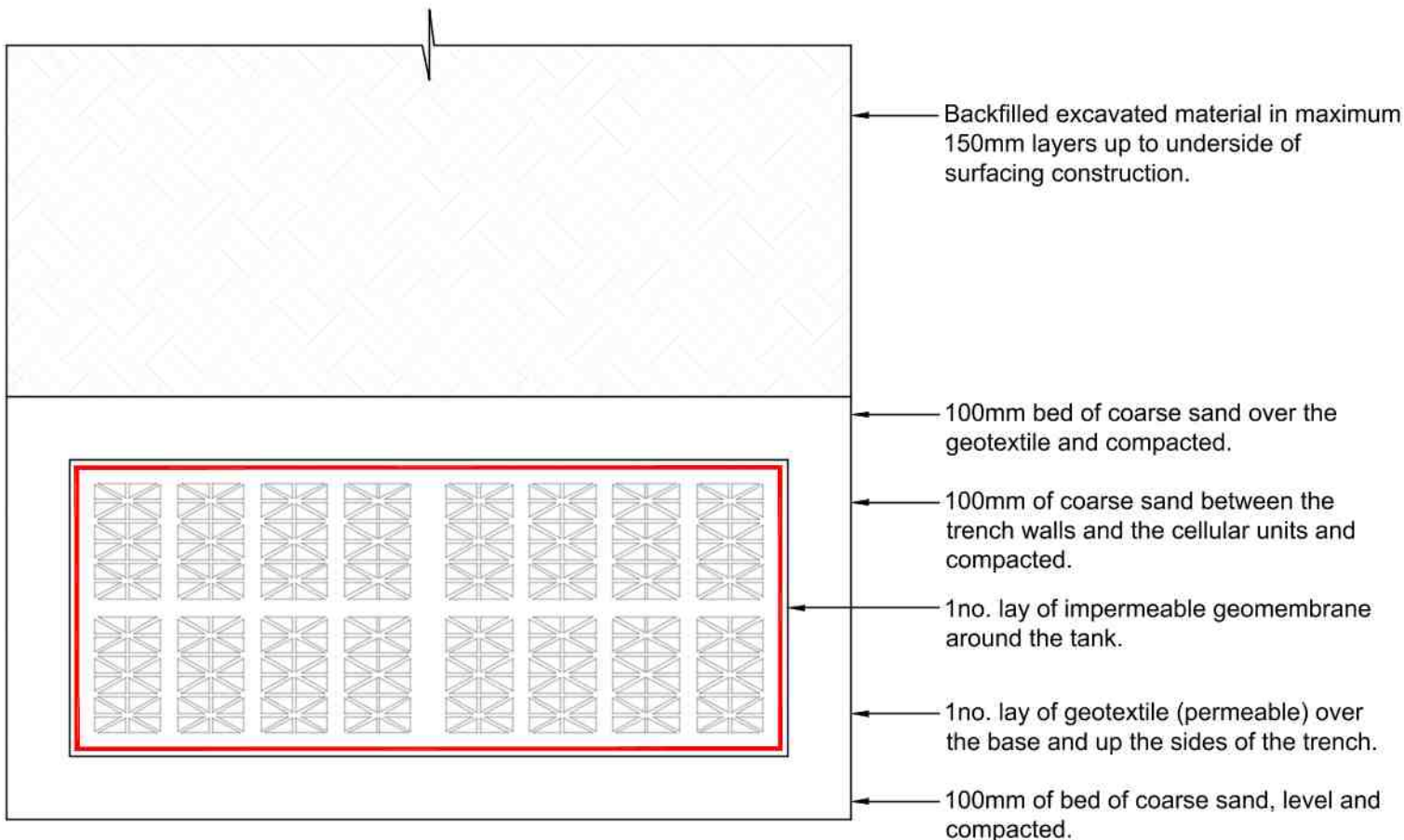
(Scale 1:20)



Cellular Crate Soakaway Installation Detail

(Scale 1:10)

Permeable Geotextile		
Physical Properties		
Material	Typically Polypropylene/Polyethylene	
Mass	Min 125g/m ²	EN 965
Mechanical Properties		
CBR puncture resistance	Min 1500N	EN ISO 12236
Peak tensile strength	Min 8kN/m ²	EN ISO 10319
Hydraulic Properties		
Water flow rate normal to plane	Min 100 l/m ² .s (@ 50mm head)	EN ISO 11058
Pore Size 090	Typically 100 um	EN ISO 12956
pH	Resistant to all naturally occurring soil acids and alkalis	
Chemical / biological resistance	Resistance to all substances found to naturally occur in soils and rainwater. Detailed information would need to be provided to geosynthetic manufacturer in instances of contaminated land.	



Cellular Crate Attenuation Tank Installation Detail

(Scale 1:10)

Impermeable Geomembrane		
Physical Properties		
Thickness	Min 0.75 to 1.0mm	ASTM D5199
Density	900kg/m ³	ASTM D1505
Mechanical Properties		
Tensile strength, at yield	Min 1600 N/m ²	ASTM D4885
Elongation at break	>500%	ASTM D4885
Puncture resistance	Min 170N	ASTM D4833
Tear resistance	Min 67N	ASTM D1004 Die C
Impact resistance	Min 15 Joules	ASTM 3998 mod
Stress crack resistance	Min 200 hrs	ASTM D5391 (SP=NCTL)
Permeability coefficient	Max 2.0 x 10 ⁻¹²	ASTM D
pH	Resistant to all naturally occurring soil acids and alkalis	
Chemical/biological resistance	Resistance to all substances found to naturally occur in soils and rainwater. Detailed information would need to be provided to geomembrane manufacturer in instances of contaminated land.	

G30 Consulting Ltd

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General Notes

1. Do not scale this drawing.
2. All dimensions are in millimeters unless stated otherwise.
3. This drawing is to be read in conjunction with all other relevant drawings & specifications.
4. All proprietary items to be installed in strict compliance with manufacturers instructions and recommendations.
5. No works shall commence on site until approval has been obtained from all relevant Agencies / Authorities.
6. All dimensions referred to in this drawing must be verified.

P2	Construction details updated.	18.02.2021
P1	First Issue	11.05.2020
Revision	Description	Date

PRELIMINARY



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Project		
Burmor Construction Limited		
Willow Walk, Spalding, Lincolnshire		
Title		
Construction Details - Sheet 2		

Drawn by	Checked by	Paper Size
SG	SG	A1
Drawing Number		Scale
07-0123-019		As Shown
Revision		Date
P2		11.05.2020