

FOUL WATER MANHOLE SCHEDULE								
Manhole Ref.	Cover Level (m)	Invert Level (m)	Backdrop Invert Lvl (m)	Manhole Depth (m)	Manhole Type	Manhole Ø (mm)	Cover/Frame Grade	Remarks
MHF1.0	3.310	2.710	-	0.600	Type 4	300	A15	-
MHF1.1	3.310	2.574	-	0.736	Type 4	300	A15	-
MHF1.2	3.460	2.452	-	1.008	Type 4	300	A15	-
MHF1.3	3.460	2.407	-	1.053	Type 4	300	A15	-
MHF1.4	3.460	2.381	-	1.079	Type 4	300	A15	-
MHF1.5	3.310	2.234	-	1.076	Type 4	300	A15	-
MHF1.6	3.400	2.000	-	1.400	Type 4	300	B125	-
MHF1.7	3.450	1.615	-	1.835	Type 3	300	B125	-
MHF1.8	3.530	1.498	-	2.032	Type 3	300	B125	-

FOUL WATER PIPE SCHEDULE						
Pipe Ref.	Pipe Length (m)	Pipe Ø (mm)	Pipe Material	Gradient (1 in ?)	Bedding	Remarks
PNF1.0	6.14	100	UPVC	45	Class S	-
PNF1.1	5.45	100	UPVC	45	Class S	-
PNF1.2	2.00	100	UPVC	45	Class S	-
PNF1.3	1.13	100	UPVC	45	Class S	-
PNF1.4	6.61	100	UPVC	45	Class S	-
PNF1.5	11.65	100	UPVC	50	Class S	-
PNF1.6	1.60	100	VC	4.2	Class S	-
PNF1.7	2.40	100	VC	60	Class S	-
PNF2.0	5.83	100	UPVC	8	Class Z	Concrete bed and surround to pipe

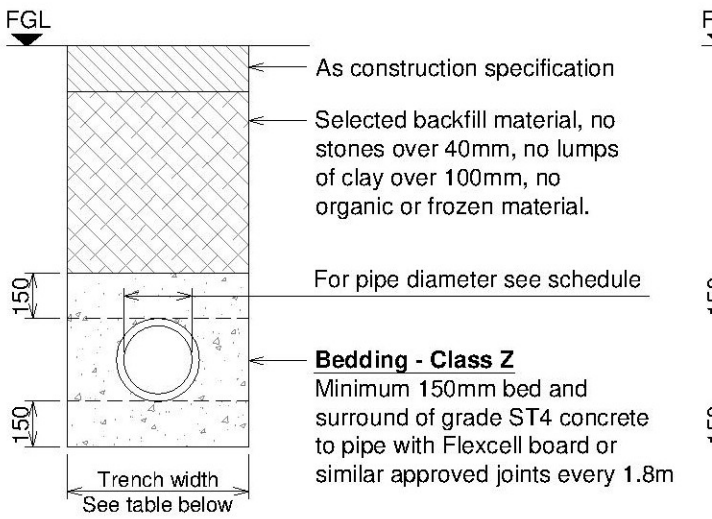
SURFACE WATER MANHOLE SCHEDULE								
Manhole Ref.	Cover Level (m)	Invert Level (m)	Backdrop Invert Lvl (m)	Manhole Depth (m)	Manhole Type	Manhole Ø (mm)	Cover/Frame Grade	Remarks
MHS1.0	3.310	2.860	-	0.450	Type 4	300	A15	-
MHS1.1	3.310	2.620	-	0.690	Type 4	300	A15	-
MHS1.2	3.310	IN=1.745 OUT=1.745 SL=1.295	-	IN=1.565 OUT=1.565 SL=2.015	Type 3 Silt Trap	500	B125	-
MHS1.3	3.450	IN=1.700 OUT=1.700 SL=1.250	-	IN=1.750 OUT=1.750 SL=2.220	PCC RECT Flow Control Catchpit	750x600	B125	Flow control chamber 52mmØ orifice at outlet
MHS2.0	3.310	2.860	-	0.450	Type 4	300	A15	-
MHS2.1	3.310	2.630	-	0.680	Type 4	300	B125	-

SURFACE WATER PIPE SCHEDULE						
Pipe Ref.	Pipe Length (m)	Pipe Ø (mm)	Pipe Material	Gradient (1 in ?)	Bedding	Remarks
PNS1.0	14.37	100	UPVC	60	Class S	-
PNS1.1	10.12	100	UPVC	11.6	Class S	-
PNS1.2	2.56	150	UPVC	60	Class S	-
PNS1.3	0.97	100	UPVC	60	Class S	-
PNS2.0	13.76	100	UPVC	60	Class S	-
PNS2.1	4.66	100	UPVC	5	Class Z	Concrete bed and surround to pipe

SURFACE WATER ATTENUATION TANK			
Ground Level (m)	Inlet Level (m)	Inlet Depth (m)	Remarks
3.310	1.745	1.565	Constructed using Wavin Aquacell blocks or similar approved system. Attenuation tank dimensions: Length = 3.0m (3 Blocks) Width = 3.0m (6 Blocks) Depth = 0.8m (2 Blocks) Tank to have min 700mm cover under parking bays and constructed in accordance with manufacturers guidance.

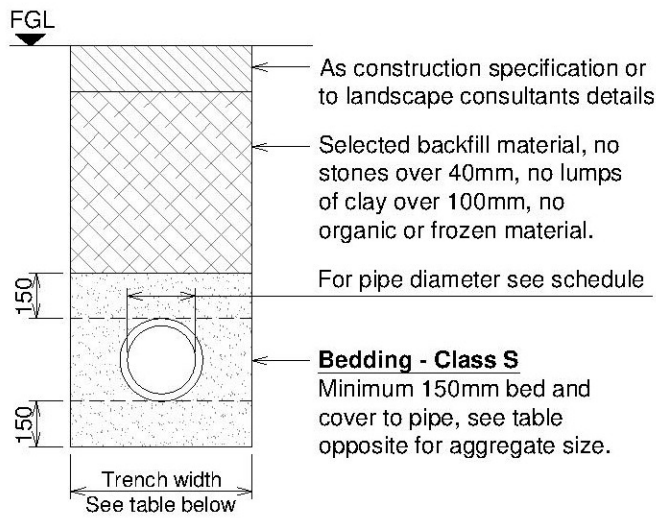
Pipe Bedding - Class Z

Areas subject to vehicle loadings.
Less than 1.2m cover to pipe.



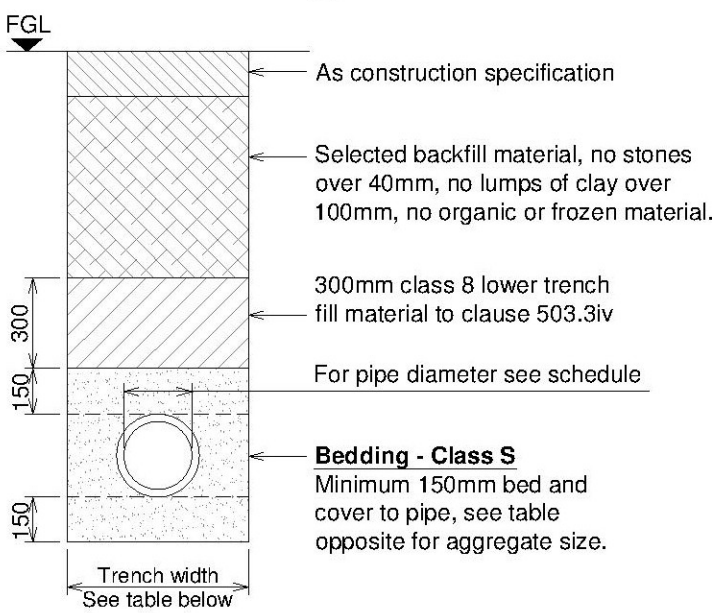
Pipe Bedding - Class S

Areas not subject to vehicle loadings.
Use in private gardens, landscaped areas etc.



Pipe Bedding - Class S

Areas subject to vehicle loadings.
Greater than 1.2m cover to pipe.



PIPE BEDDING MATERIAL - CLASS S	
Pipe Ø (mm)	Suitable Materials: (Aggregate to BS 882)
100	10mm nominal single sized aggregate
150	10 to 14mm nominal single sized aggregate
225 to 525	10 to 14mm or 20mm nominal single sized aggregate
Over 525	10, 14, 20 or 40mm nominal single sized crushed rock

TRENCH WIDTH	
Pipe Ø (mm)	Trench Width (mm)
100	450
150	450
225	600
300	600
375	750
450	750
525	900
600	900
750	1200
900	1350
1050	1500

Pipe surround material shall where required, be placed and compacted over the full width of the trench in layers not exceeding 150mm before compaction, to a finished thickness of 300mm above the crown of the pipe.

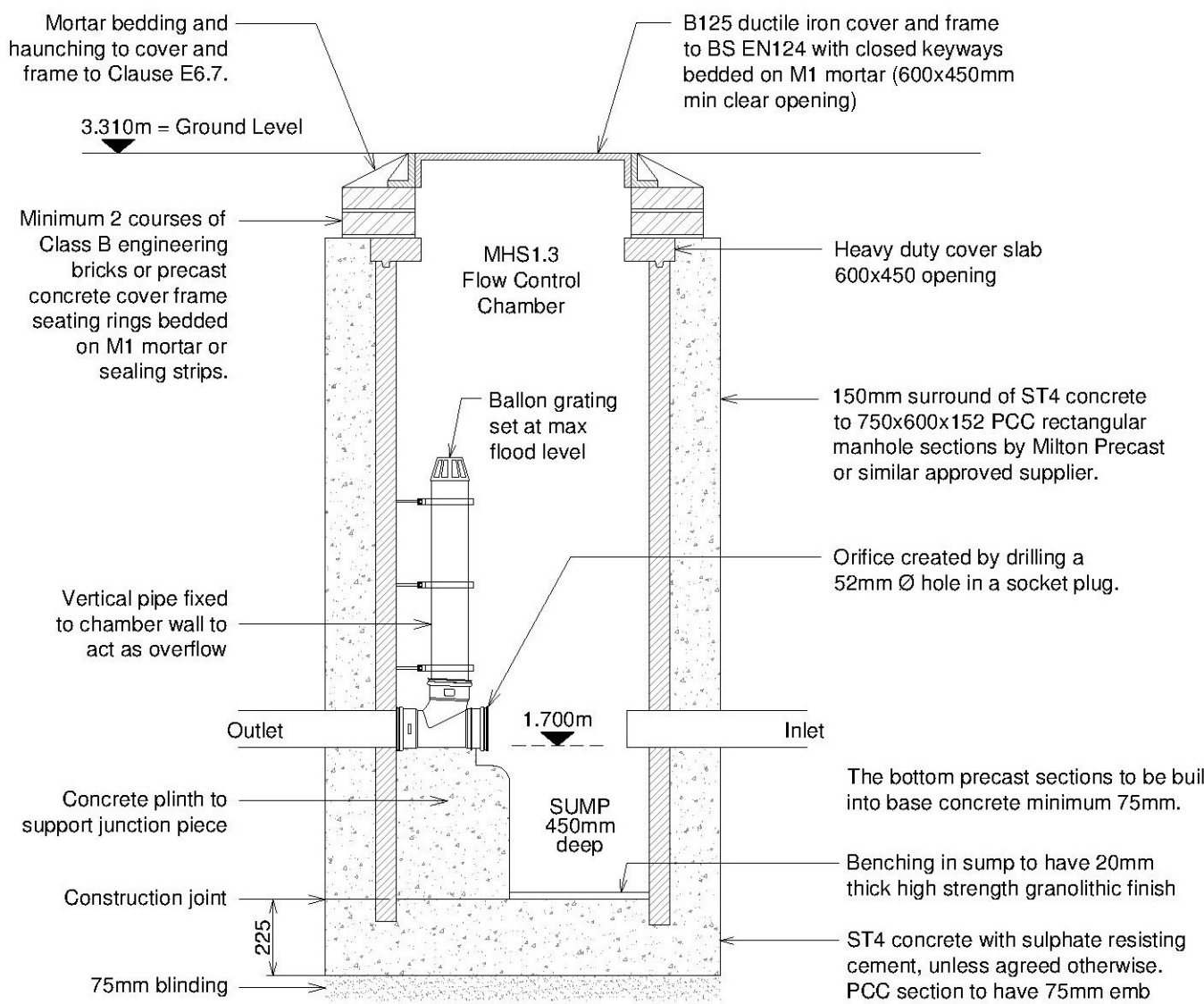
Where excavations have been supported and the supports are removed they shall be withdrawn progressively as backfilling proceeds in a manner that minimises the danger of collapse, all voids formed behind the supports are to be carefully filled and compacted.

Pipe jointing surfaces and components shall be kept clean and free from extraneous matter until the joints have been made or assembled, care should be taken to ensure that there is no ingress of grout or other material into the joint after the joint has been made.

Pipes should be cut in accordance with the manufacturers recommendations to provide a clean square profile without splitting or fracturing the pipe wall and to ensure minimal damage to any protective coatings, where necessary, the cut ends of pipes shall be formed to the tapers and chamfers suitable for the type of joint to be used.

Flow Control Chamber Detail

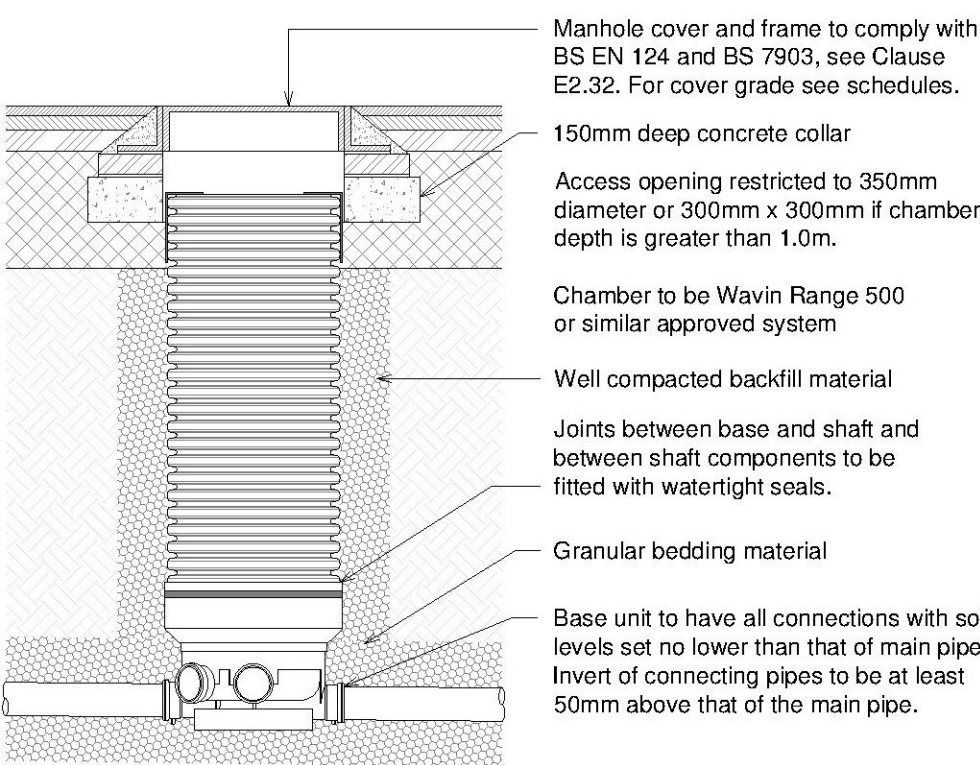
Scale 1:20



Typical Type 3 Chamber Detail (Non-Entry)

scale 1:25

- Sited in driveways or footways where LIGHT vehicle loadings are possible
- Maximum depth from cover to soffit of pipe 3.0m

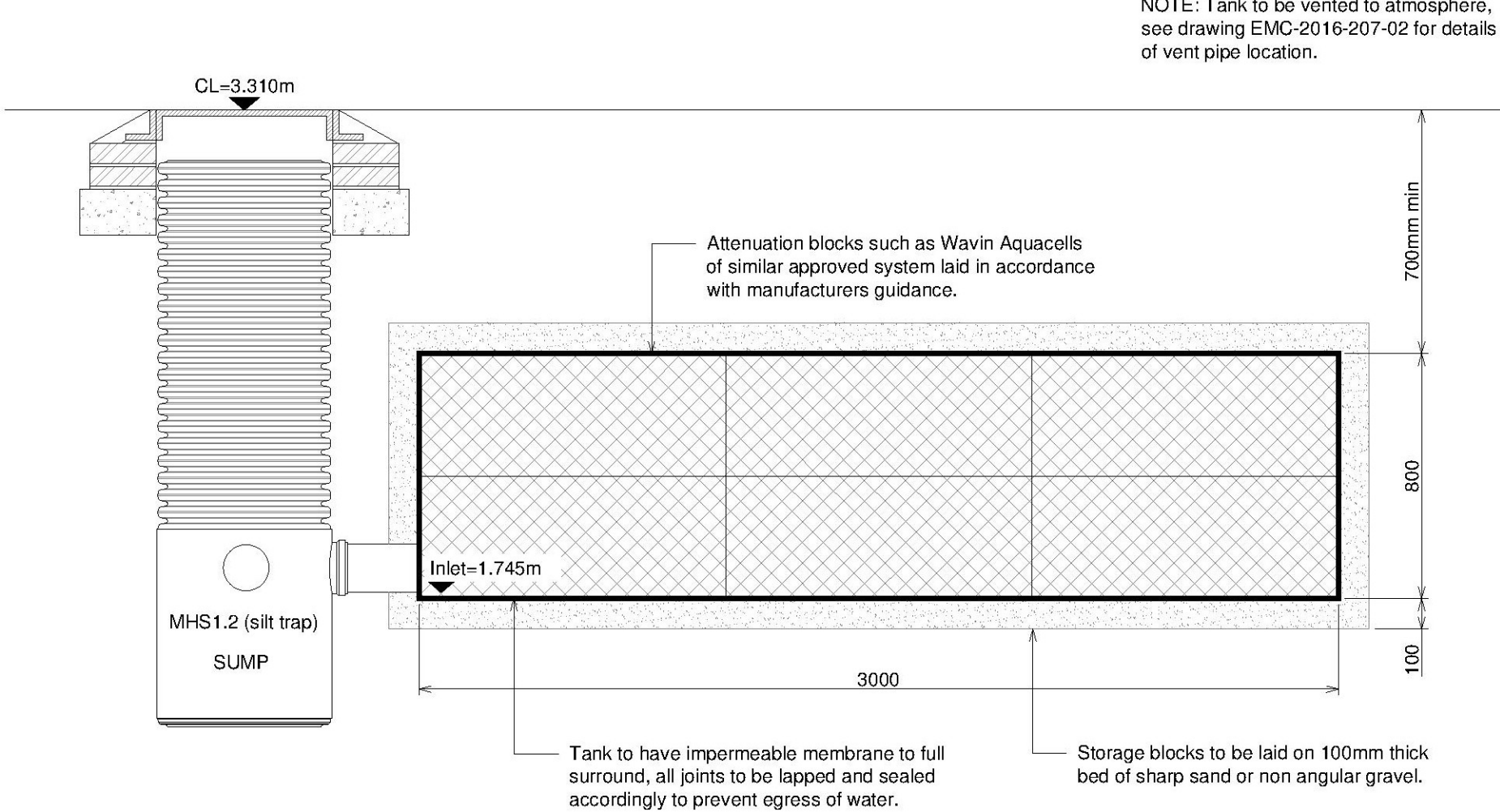


NOTES:

- Plastic chambers and rings shall comply with BS EN 13598-1 and BS EN 13598-2 or have equivalent independent approval.
- Shaft to be temporarily capped during construction.
- Backfill to be well compacted around shaft of chamber.
- Mortar bed and haunching to cover and frame to Clause E6.7

Section Through Attenuation Tank

scale 1:20

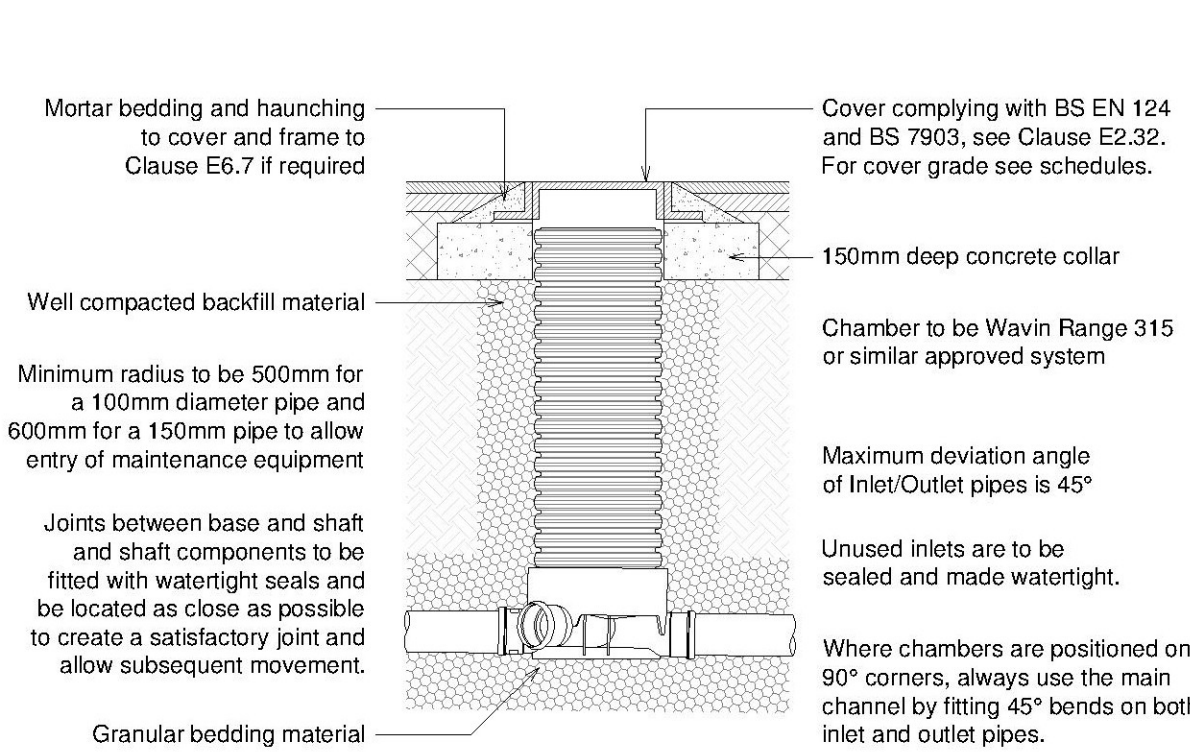


NOTE: Tank to be vented to atmosphere, see drawing EMC-2016-207-02 for details of vent pipe location.

Typical Type 4 Chamber Detail (Non-Entry)

scale 1:20

- Sited in domestic driveways / paved areas
- Max depth from cover to soffit of pipe 2.0m



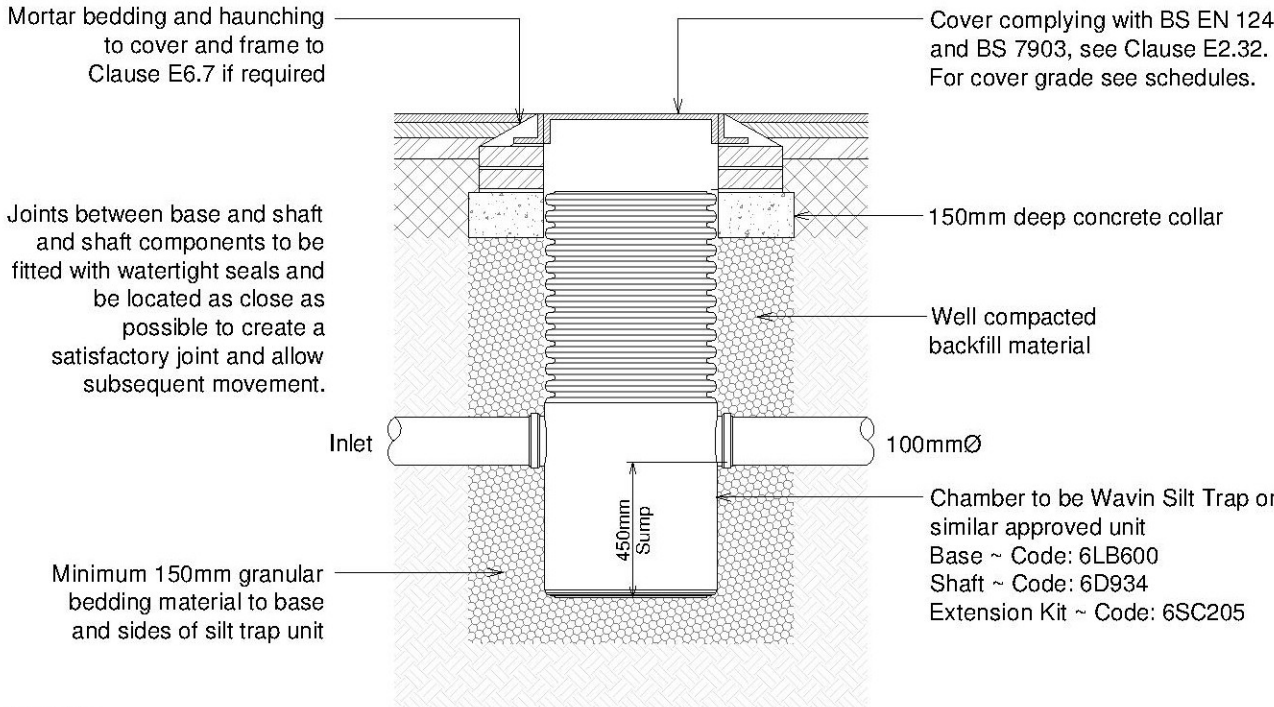
NOTES:

- Plastic chambers and rings shall comply with BS EN 13598-1 and BS EN 13598-2 or have equivalent independent approval.
- Backfill to be well compacted around shaft of chamber.

Type 3 Silt Trap Detail

scale 1:25

- Sited in driveways or footways where LIGHT vehicle loadings are possible



NOTES:

- Plastic chambers and rings shall comply with BS EN 13598-1 and BS EN 13598-2 or have equivalent independent approval.
- Backfill to be well compacted around shaft of chamber.

NOTES

- The Contractor should check all dimensions on site.
- It is the Contractors responsibility to ensure compliance with building regulations and current codes of practice.
- Drawings cannot take into account any drains or underground works not locatable by visual survey of the site.
- Commencement of any building works prior to full building regulation approval is entirely at the clients risk.

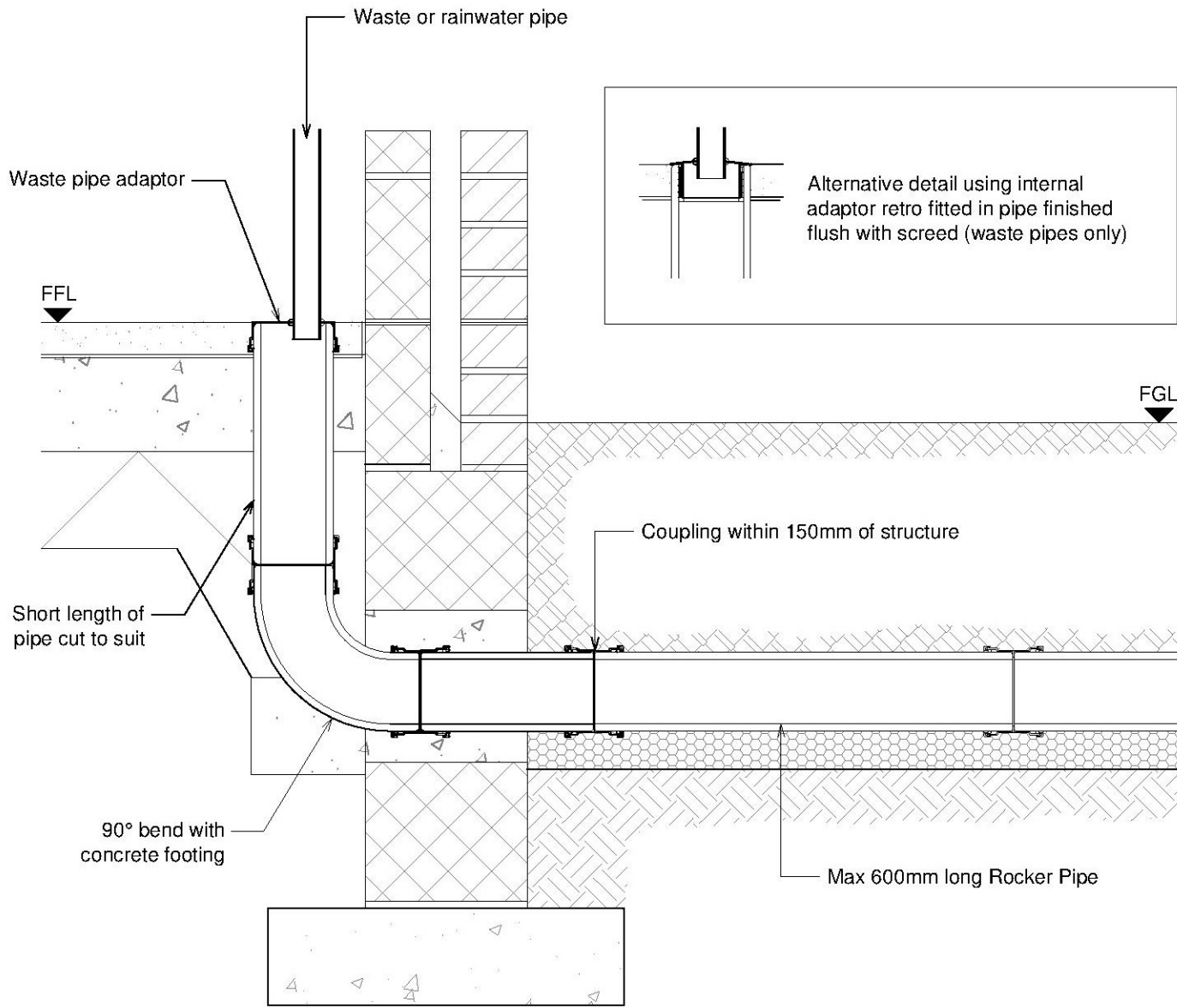
00	First issue to client	17/01/2017
Rev	Description	Date
PROJECT: New development to provide three flats at The Fairway, Hythe.		
CLIENT: Mr Konrad Dancer Esq		
DRAWING: Drainage Details Sheet 1	SCALE: As Noted	DATE: 13/01/2017
STATUS: PRELIMINARY	PROJECT: EMC-2016-207-03	REV: 00



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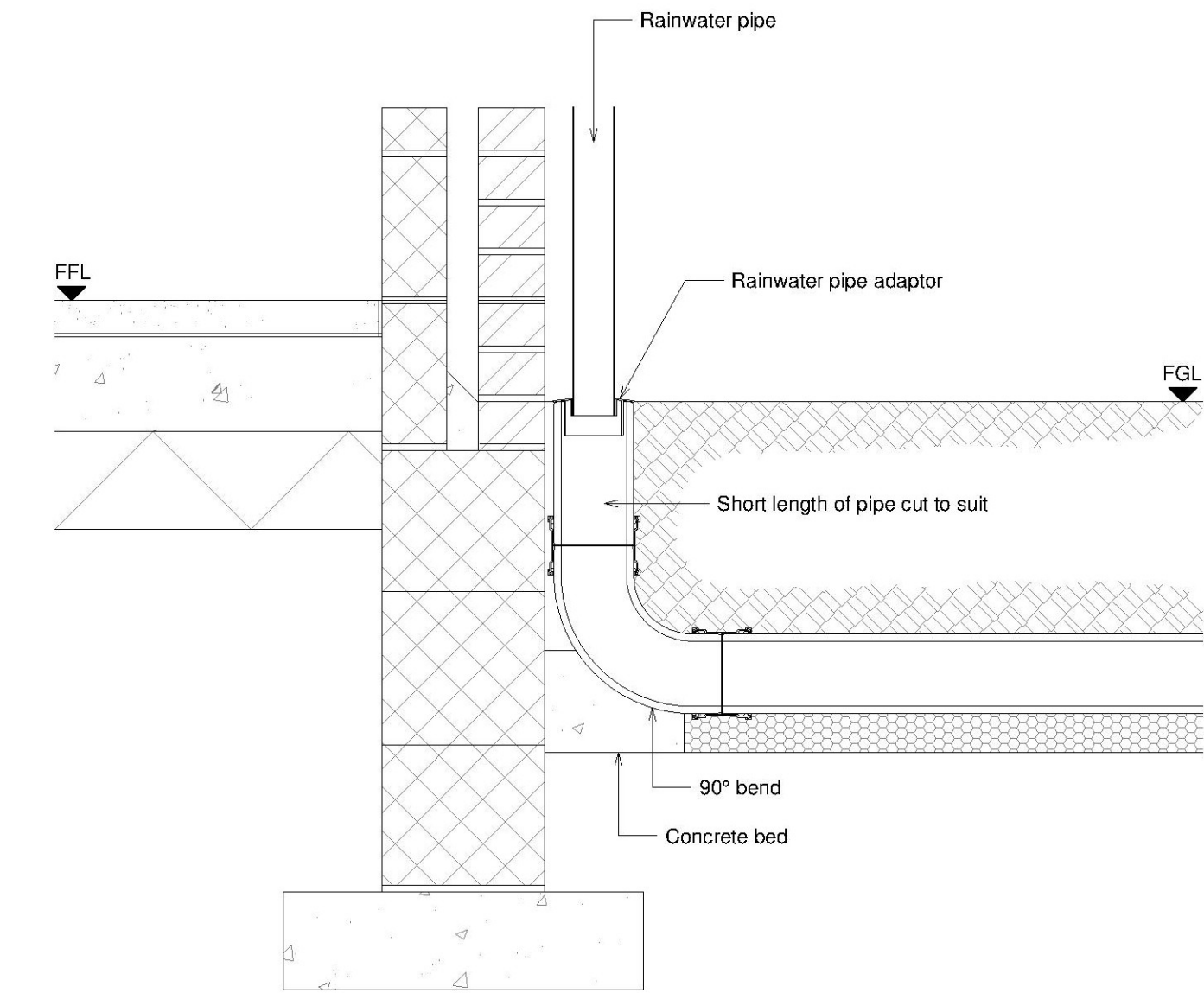
Typical Internal Waste Pipe Connection Detail

scale 1:10



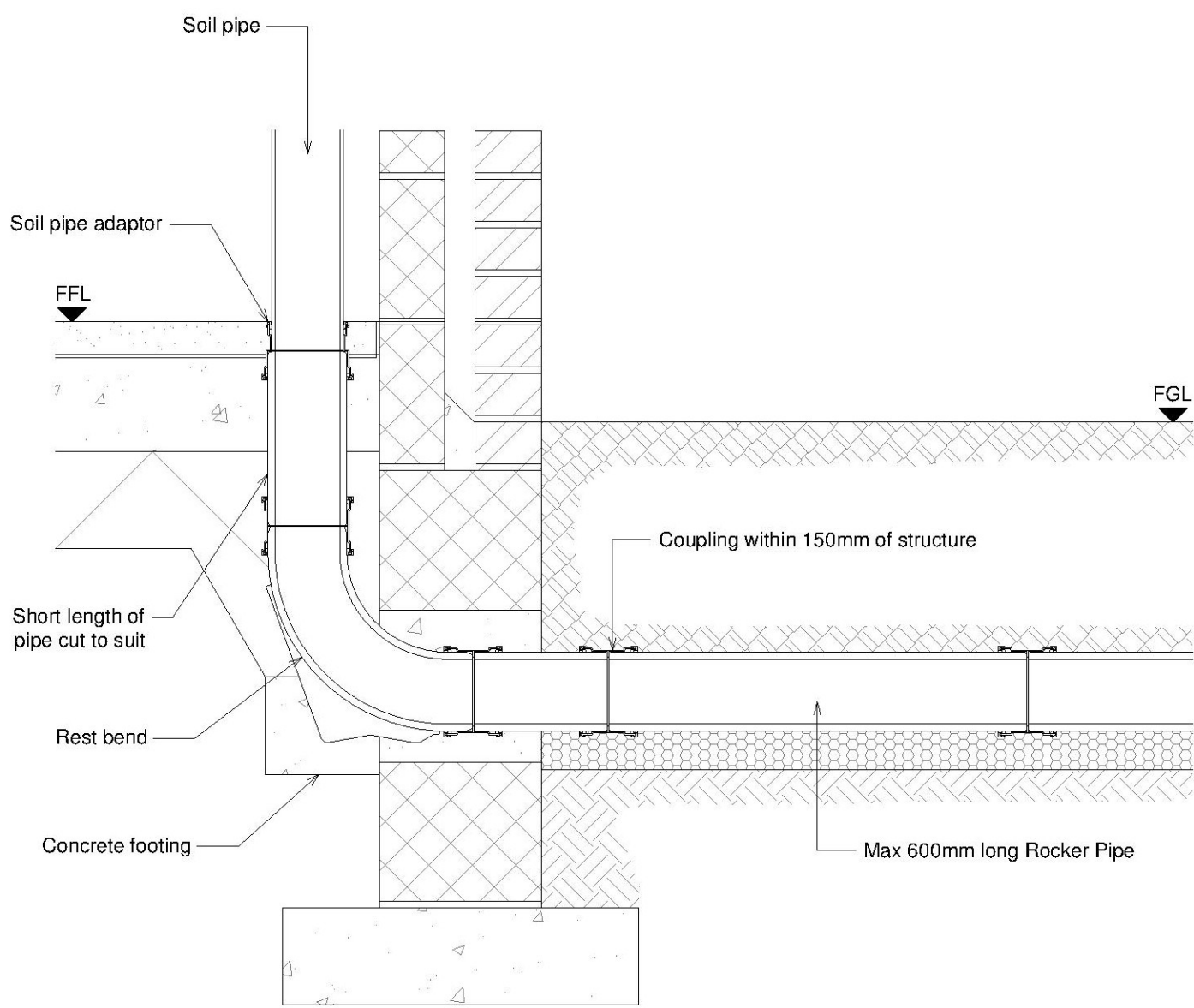
Typical External Rainwater Pipe Connection Detail

scale 1:10



Typical Soil Vent Pipe / Stub Stack Connection Detail

scale 1:10



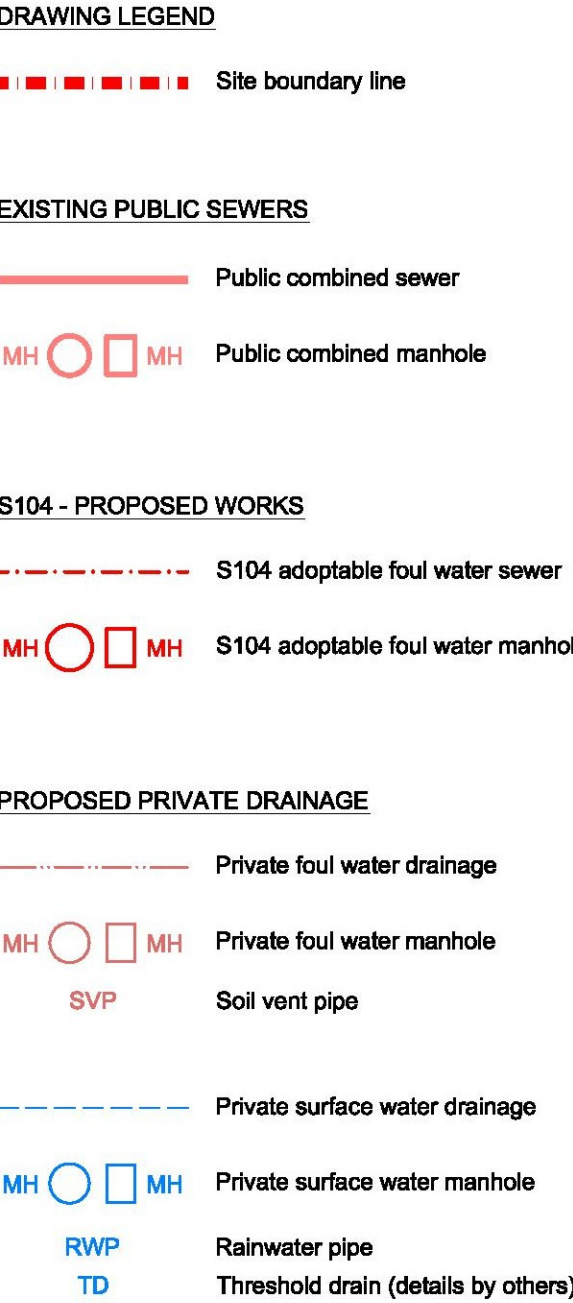
NOTES

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00	First issue to client	17/01/2017
Rev	Description	Date
PROJECT: New development to provide three flats at The Fairway, Hythe.		
CLIENT: Mr Konrad Dancer Esq		
DRAWING: Drainage Details Sheet 2		
STATUS: PRELIMINARY		
As Noted	16/01/2017	A1
EMC-2016-207-04	00	



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00	First issue to client		17/01/2017
Rev	Description		Date
PROJECT:			
New development to provide three flats at The Fairway, Hythe.			
CLIENT			
Mr Konrad Dancer Esq			
DRAWING			
Proposed Drainage Plan			
STATUS			
PRELIMINARY			

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Scales	Date	Size
1:100	13/01/2017	A1
Dwg No. EMC-2016-207-02		REV - 00

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