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Attenuation Tank
Polystorm Lite crate attenuation fully lined

FGL	9.20
Top of crates	8.60 (min 600 cover)
U/S of crates	7.80
Inlet	8.50
Length	9.0m
Width	2.50m
Depth	0.80m
Volume	17.1m3 @95% efficiency

Extg SWMH
CL 9.27
IL 6.95
D 2.32

Extg FWMH
CL 9.16
IL 7.12
D 2.04

Extg FWMH
CL 9.23
IL 7.08
D 2.15

Extg FWMH
CL 9.14
IL 7.39
D 1.75

Extg SWMH
CL 9.49
IL 7.34
D 2.15

Extg RWP's to be removed

Extg road gully to be reconnected to new pipe

SLOT CHANNEL

SW/G 100

FFL=9.30

SWMH01 SWMH02 SWMH03 SWMH04 SWMH05 SWMH06

FWMH01 FWMH02 FWMH03 FWMH04 FWMH05

Drainage Key

- New Surface Water Drainage
- Extg surface Water Drainage to be retained
- New Foul Water Drainage
- Extg Foul Drainage to be retained
- Extg drainage to be removed
- RE RWP — Rainwater pipe with slow bend with external rodding eye access
- CD — Condensate drain from AHU/condensers
- SVP — Soil Vent Pipe
- G — Trapped roddable gulley (surface or foul)
- BD — Back drop into manhole

Notes:

1. All drainage works are to be constructed in accordance with Sewer Sector Guidance Appendix C 'Design & Construction' V2 2020.
2. All pipes are to be selected by the Contractor and to have suitable strength for the service conditions.
3. All pipes are to be suitable for main road traffic unless stated otherwise.
4. The beddings shown are the minimum requirements. The Contractor must ensure the bedding provided is suitable for the selected pipes and loading conditions.
5. 150mm concrete bed and surround to be provided where depth of cover is less than 900mm below finished hardstanding level, or 600mm in soft landscaped areas.
6. Flexcell to be included at all joints as recommended by the manufacturer.
7. All catchpit manholes to have minimum 300 clear void beneath invert of pipe to base of manhole.
8. Pipes of different diameters entering manholes are to be installed with soffits at the same level.
9. The first manhole upstream from the connection to the existing public sewer should, when constructed, be fitted with a screen in order to prevent debris entering the sewer. The screen should be removed immediately prior to the occupation of the premises to be served by the sewer.
10. Cover levels shown are approximate, finished level to match proposed external level
11. All 100mm ø foul water pipes to be laid at 1:80 min gradient unless noted otherwise.
12. All 150mm ø foul water pipes to be laid at 1:150 min gradient unless noted otherwise.
13. All surface water pipes to be 100mm ø laid at 1:80 min gradient unless noted otherwise.
13. All land drain pipes to be 100mm ø laid at 1:200 min gradient unless noted otherwise.
14. All pipes to be unplasticised PVC pipes, joints and fittings in accordance with BS 4660 and BS EN 1401-1.
15. Plastic chambers and rings, including demarcation chambers, shall comply with BS 7158 or BS EN 13598-1.

Foul Water Manhole Schedule

Manhole	FFL	Type	CL	IL	D	Diameter	Material	Outflow ø	Cover Grade	Cover Opening	Notes
FWMH01	9.30	Type 5	9.30	8.70	0.60	450mmø	Plastic	100mmø	B125	300ø	
FWMH02	9.30	Type 5	9.30	8.65	0.65	450mmø	Plastic	100mmø	B125	300ø	
FWMH03	9.30	Type 5	9.30	8.55	0.75	450mmø	Plastic	100mmø	B125	300ø	
FWMH04	9.30	Type 5	9.30	8.45	0.85	450mmø	Plastic	100mmø	B125	300ø	
FWMH05	9.30	Type 5	9.30	8.40 max*	0.90	450mmø	Plastic	100mmø	B125	300ø	*To suit extg pipe IL

Surface Water Manhole Schedule

Manhole	FFL	Type	CL	IL	D	Diameter	Material	Outflow ø	Cover Grade	Cover Opening	Notes
SWMH01	9.30	Type 5	9.30	8.85	0.45	450mmø	Plastic	100mmø	B125	300ø	
SWMH02	9.30	Type 5	9.30	8.60	0.70	450mmø	Plastic	100mmø	B125	300ø	Catchpit
SWMH03	9.30	Type 5	9.30	8.85	0.45	450mmø	Plastic	100mmø	B125	300ø	
SWMH04	9.30	Type 5	9.30	8.60	0.70	450mmø	Plastic	100mmø	B125	300ø	Catchpit
SWMH05	N/A	Type 3	9.20	7.70	1.50	450mmø	Plastic	100mmø	B125	300ø	1l/s flow control
SWMH06	N/A	Type 3	9.20	7.15*	2.05	450mmø	Plastic	100mmø	B125	300ø	To suit extg

rev.	date	description	chk.
H	26.07.24	SWMH & FWMH label corrected.	RC
G	26.07.24	Revised to suit as-built.	RC
F	15.06.24	Key & FWMH label corrected. Extg RWP's noted as being removed.	RC
E	11.04.24	Erroneous SVP removed.	RC
D	09.04.24	SWMH numbers corrected.	RC
C	05.04.24	Building relocated. SVP's revised.	RC
B	18.03.24	Lift pit & stair foundation added.	RC
A	22.01.24	New Drawing – First Issue.	RC

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client:
Elmcroft Construction

job title:
Goring By Sea

drawing title:
Drainage Layout

scale and sheet size
1:100 @A1

job number:	drawing number:	revision:
2686	120	H