

NOTES

- All levels in metres above Ordnance Datum.
- All measurements in millimetres unless stated otherwise.
- Proposed SVP locations suggested in order to pick up foul water from kitchens.
- Attenuation tanks to be made up of Aquacell Core-R and Core-Plus, wrapped in sealed geomembrane 1mm polypropylene with double welded joints, surrounded with 100mm of coarse graded sand, then wrapped again with TERRAM T700 OSA. Backfill material should be "as dug suitable material" or imported Type 1 as appropriate.
- Attenuation tank sized for a 1 in 100 year storm +45% for climate change with a discharge rate of 5L/s.
- Manholes S10 and S11 either side of the attenuation tank contribute to total storage volume.

KEY

- Ref Manhole - Circular
- Ref Manhole - Rectangular
- ACO drainage channel - to incorporate silt trap
- XXXØ 1/XXX Foul water sewer
- XXXØ 1/XXX Surface water sewer
- XXXØ 1/XXX Existing foul water sewer
- XXXØ 1/XXX Existing surface water sewer
- Proposed SVP

PRELIMINARY

G					
F					
E					
D					
C					
B					
A	Layout Updated	TB	SH	JP	29/09/23
—	FIRST ISSUE	HA	SH	JP	02/12/22
MK	REVISIONS	DRN	CHK	APP	DATE



Such Salinger Peters

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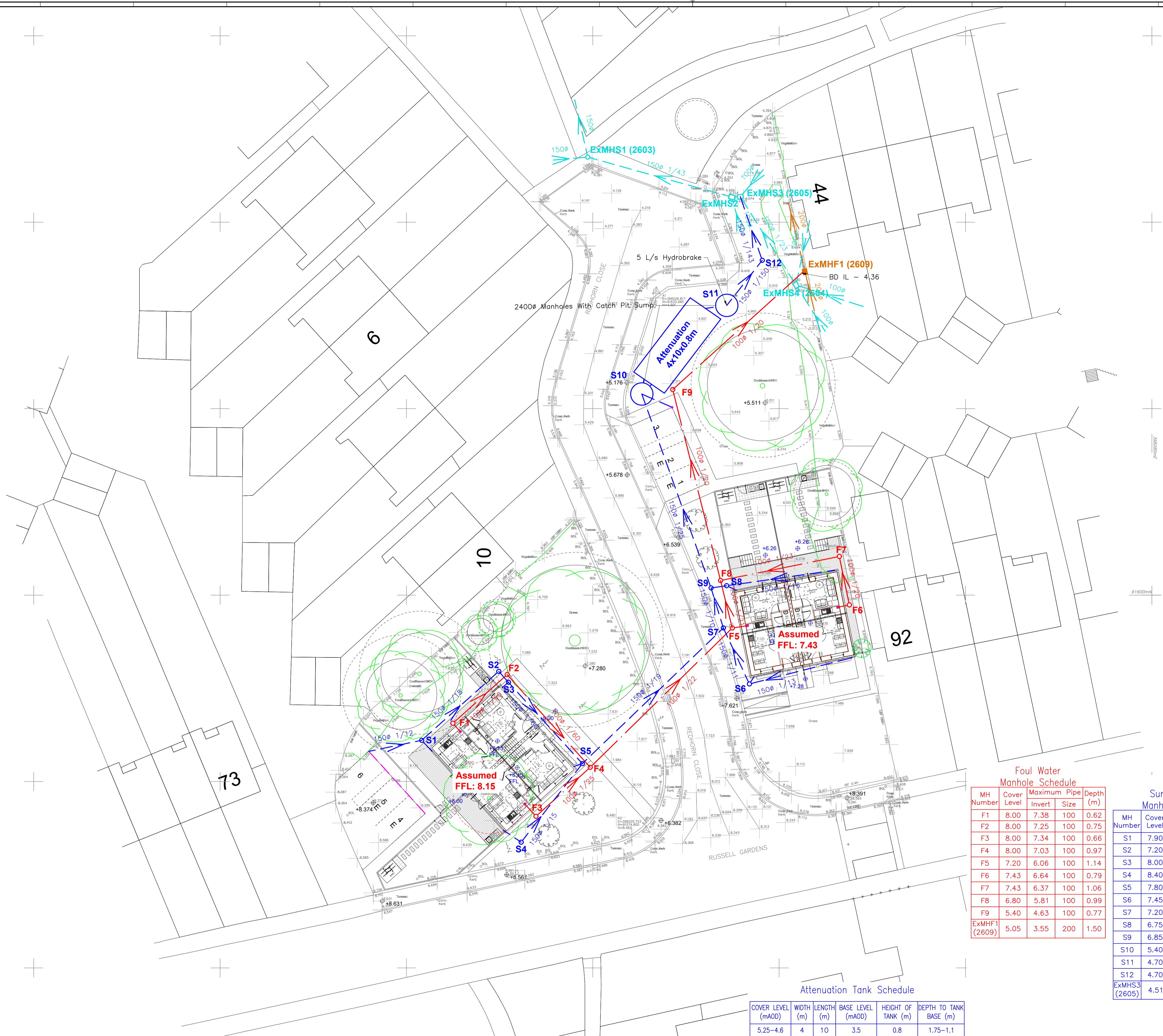
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CLIENT  
BCP Council

PROJECT  
Redhorn Close, Poole

DRAWING TITLE  
Drainage Design  
Attenuation

SCALE 1:200 A1	DATE 02/12/2022	APPROVED JP
DRAWING No. 80640-03	REVISION	A



Foul Water Manhole Schedule

MH Number	Cover Level	Invert	Maximum Pipe Size	Depth (m)
F1	8.00	7.38	100	0.62
F2	8.00	7.25	100	0.75
F3	8.00	7.34	100	0.66
F4	8.00	7.03	100	0.97
F5	7.20	6.06	100	1.14
F6	7.43	6.64	100	0.79
F7	7.43	6.37	100	1.06
F8	6.80	5.81	100	0.99
F9	5.40	4.63	100	0.77
ExMHF1 (2609)	5.05	3.55	200	1.50

Surface Water Manhole Schedule

MH Number	Cover Level	Invert	Maximum Pipe Size	Depth (m)
S1	7.90	7.33	150	0.57
S2	7.20	6.67	150	0.53
S3	8.00	6.59	150	1.41
S4	8.40	7.47	150	0.93
S5	7.80	6.40	150	1.40
S6	7.45	5.96	150	1.49
S7	7.20	5.34	150	1.86
S8	6.75	5.01	150	1.74
S9	6.85	4.90	150	1.95
S10	5.40	3.50	150	1.90
S11	4.70	3.50	150	1.20
S12	4.70	3.31	100	1.39
ExMHS3 (2605)	4.51	3.25	150	1.26

Attenuation Tank Schedule

COVER LEVEL (mAOD)	WIDTH (m)	LENGTH (m)	BASE LEVEL (mAOD)	HEIGHT OF TANK (m)	DEPTH TO TANK BASE (m)
5.25-4.6	4	10	3.5	0.8	1.75-1.1