LEGEND

- RWHT: F- Line 3000 Litre Rain Storage Tank 2.4 x 2.4 x 0.88m deep 305mm outflow invert depth
- Soakaway: 5 x 1.2 x 1.6m(deep) cellular crates total depth 2m / 400mm cover
- BG: Bottle Gully / Silt Trap
- IC: Inspection Chamber for surface water drainage
- IC: Inspection Chamber for new foul drainage
- Existing Chambers for foul drainage
- New drainage pipe for surface water
- New drainage pipe for foul drainage
- Existing Foul drainage pipe
- F1: Filtration Silt Trap 450mm Dia
- NRV1: None Return Valve

GENERAL AREAS

- Building catchment area 160.54m2
- Existing Hard Surfaces / Designated to upgrade to new SuDs 273m2
- Proposed New SuDs Surfaces 55.65m2



Private Surface Water

Chamber Ref.	Chamber Size	Chamber Material	Cover size and Duty	Approx Cover Level mAOD	Invert Level mAOD	Other	Chamber / BG Depth	Pipe in from Ref & DIA	Pipe out to ref & DIA	Pipe material	pipe out length in M	Pipe Gradient	Pipe Drop in mm	Allowance for chamber height change m	Pipe out, drop in m	End of pipe out Invert level mAOD
BG.01	NA	plastic	NA	49.25	48.4		0.85	NA	110mm to IC.02	plastic HDPE	8.1	1 in 100	10	0	0.081	48.32
BG.02	NA	plastic	NA	49.25	48.36		0.8857	NA	110mm to IC.01	plastic	5.65	1 in 100	10	0	0.0565	48.31
IC.01	450mm	plastic	Standard 450	49.3	48.31		0.9922	110mm from BG.02	110mm to IC.02	plastic	4.88	1 in 100	10	0	0.0488	48.26
IC.02	450mm	plastic	Standard 450	49.25	48.26		0.991	110mm from IC.01	110mm to IC.03	plastic	5.46	1 in 100	10	0.06	0.0546	48.20
BG.04	NA	Plastic	NA	49.25						Plastic	2.6	1 in 100	10		0.026	
BG.05	NA	Plastic	NA	49.25						Plastic	1.8	1 in 100	10		0.018	
IC.03	450mm	plastic	Standard 450	49.2	48.14		1.0556	110mm from IC.02	110mm to IC.04	Plastic	9.1	1 in 100	10	0.06	0.091	47.99
IC.04	450mm	plastic	Standard 450	48.5	48.05		0.4466	110mm from IC.03	160mm to IC.05	Plastic	7.4	1 in 100	10	0.06	0.074	47.92
IC.05	450mm	plastic	Standard 450	48.5	47.83		0.6706	110mm from IC.04	110mm to F1 / RWHT	Plastic	2.7	1 in 100	10	0.09	0.027	47.80
F1	450mm	Plastic	Standard 450	48.2	47.80		0.70	160mm from IC.05	160mm to RWHT	Plastic	NA	NA	NA			
BG.10	NA	Plastic	NA	48.5	48.00		0.4998	NA	110mm to IC.05	Plastic	10.78	1 in 100	10	0.06	0.1078	47.89
RWHT Outlet IL	NA	Plastic	Standard 600	48.2	47.89	47.83	0.21	160mm from IC.05	160mm to NRV1	Plastic	0	0	0	0.055	0	47.83
NRV1	NA	Plastic	Standard 450	48.2	47.83			160mm from RWH1	160mm to soakaway	Plastic	7	1 in 150	7		0.049	47.79
Soakaway Depth below ground	5 x 1.2 x 1.6m (d)	Plastic	NA	48.2	47.79	46.19 2.01										

Private Foul Drains

Chamber Ref.	Chamber Size	Chamber Material	Cover size and Duty	Approx Cover Level mAOD	Invert Level mAOD	Other	Chamber / BG Depth	Pipe in from Ref & DIA	Pipe out to ref & DIA	Pipe material	pipe out length in M	Pipe Gradient	Pipe Drop in mm	Allowance for chamber height change m	Pipe out, drop in m	End of pipe out Invert level mAOD
SV2	NA	Plastic	NA	49.35	48.04		1.31	NA	110mm to IC.06	Plastic	9.5	1 in 40	25	0.06	0.2375	47.7425
IC.06	450mm	plastic	Standard 450	48.5	47.80		0.70	110mm in from SV2	110mm to IC.08	Plastic	14.5	1 in 40	25	0.06	0.3625	47.38
SV1	NA	Plastic	NA	48.5	47.6		0.90	NA	110mm to IC.07	Plastic	1.5	1 in 40	25		0.0375	47.5625
IC.07	450mm	plastic	Standard 450	48.5	47.56		0.94	110mm from SV1	110mm to IC.07	Plastic	8.4	1 in 40	25		0.21	47.35

Public Sewer Connection

Chamber Ref.	Chamber Size	Chamber Material	Cover size and Duty	Approx Cover Level mAOD	Invert Level mAOD	Other	Chamber / BG Depth	Pipe in from Ref & DIA	Pipe out to ref & DIA	Pipe material	pipe out length in M	Pipe Gradient	Pipe Drop in mm	Allowance for chamber height change m	Pipe out, drop in m	End of pipe out Invert level mAOD
IC.08	450mm	plastic	Standard 450	47.7	47.29		0.41	110mm from IC.06 & IC.07	110mm to IC.09	Plastic	0.5	1 in 40	25	0.06	0.0125	47.28
IC.09	900	concrete	Standard 600	47.7	45.4		2.30	110mm back drop from IC.08	110mm to IC.09	Clay	1	back drop	NA	NA	1.88	45.4

north

0 1 2 3 4 5m

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SITE: Land Adjacent Chactonview, Spring Gardens, Washington, RH20 3BS

SCALE 1:200 on A2 Paper

DRAWING: Drainage: Foul & Rainwater

Drawing Ref: CV.DRAIN.002

PLANNING

drawn by AM Oct 2024

Revision: Added details Drainage amendments

CREATING SPACES
garden room & homebuilding specialist