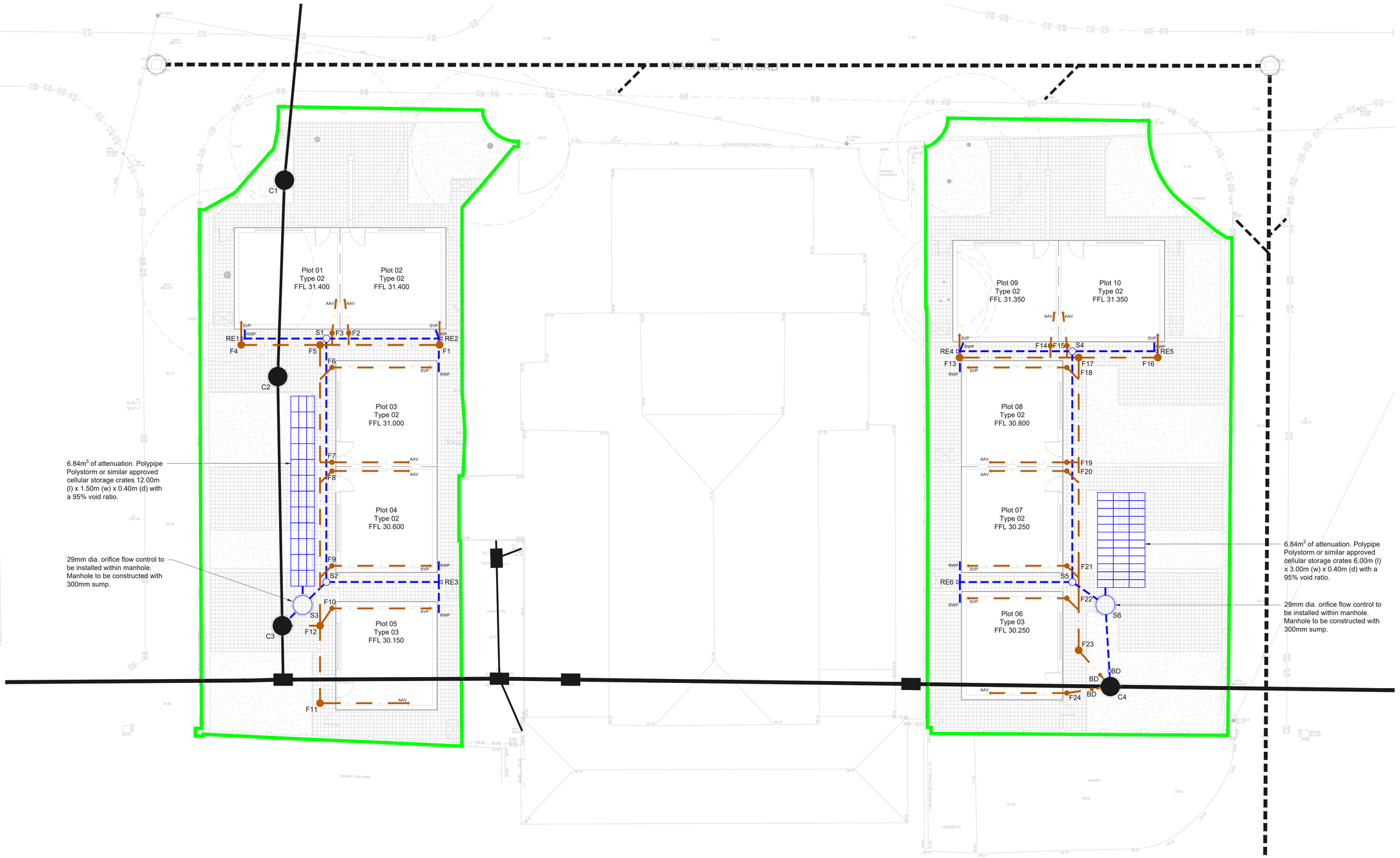


Notes

1. Do not scale this drawing. All dimensions must be checked/ verified on site. If in doubt ask.
2. This drawing is to be read in conjunction with all relevant architects, engineers and specialists drawings and specifications.
3. All dimensions in millimetres unless noted otherwise. All levels in metres unless noted otherwise.
4. Any discrepancies noted on site are to be reported to the engineer immediately.

Key Plan

Legend

- Site Boundary
- Surface Water Sewer
- Rainwater Downpipe
- Existing Combined Water Sewer
- Foul Water Sewer
- Soil and Vent Pipe

Existing properties discharge to Yorkshire Water combined water sewer via 2no. 100mm dia. combined water outfalls. Approximately 56m² discharges from each of the properties into the Yorkshire Water combined water sewer.

Yorkshire Water have confirmed a total peak discharge for storms up to and including 1 in 30 year storm events of 1.6l/s for both of the sites. The discharge is to be split to 0.8l/s for each of the developments.

Rev	Date	Details of issue / revision	Drw	Rev
F	11.09.17	Manhole C4 invert level confirmed. Private foul and surface water drainage amended to suit.	SG	FR
E	05.07.17	Private foul and surface water drainage amended to suit revised site layout plan	SG	FR
D	11.05.17	Private foul and surface water drainage revised to suit sewer diversion.	CB	FR
C	25.04.17	Domestic foul and surface water drainage layout revised to suit revised sewer diversion layout.	SG	FR
B	03.10.16	Site layout updated. Foul and surface water drainage layout revised to suit amended site layout. Manhole schedules updated.	SG	FR
A	25.04.16	Surface water attenuation and flow control revised in accordance with comments received from Yorkshire Water.	SG	FR

Issues & Revisions

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Client

THE COALFIELDS REGENERATION TRUST

Project Title

WASHINGTON ROAD GOLDTHORPE

Drawing Title

PROPOSED FOUL AND SURFACE WATER DRAINAGE LAYOUT

Drawn:	S. Griffiths	Reviewed:	F. Raja	
BWB Ref:	LDC 2004	Date:	08-03-16	Scale@A1: 1:125

Drawing Status: **PRELIMINARY**

Project - Originator - Zone - Level - Type - Role - Number	Status	Rev
GOL-BWB-HDG-XX-DR-D-500	D2	F

Foul Water Drainage Manhole Schedule

Manhole Number	Cover Level (m)	Invert Level (m)	Major Pipe Diameter (mm)	Depth to Invert (m)	Manhole Type	Manhole Diameter (mm)	Manhole Cover		Pipe In		Pipe Out	
							Load Class	Size (mm) (l) x (w) x (d)	Invert Level (m)	Pipe Diameter (mm)	Invert Level (m)	Pipe Diameter (mm)
F1	30.850	30.250	100	0.600	PPIC	450	A15	4502 x 40	30.250	100	30.250	100
F2	30.850	30.250	100	0.600	Mini PPIC	300	A15	3002 x 40	30.250	100	30.250	100
F3	30.850	30.250	100	0.600	Mini PPIC	300	A15	3002 x 40	30.250	100	30.250	100
F4	30.850	30.250	100	0.600	PPIC	450	A15	4502 x 40	30.250	100	30.250	100
F5	30.850	30.155	100	0.695	PPIC	450	A15	4502 x 40	30.155	100	30.155	100
F6	30.850	30.250	100	0.600	Mini PPIC	300	A15	3002 x 40	30.250	100	30.250	100
F7	30.850	30.250	100	0.600	Mini PPIC	300	A15	3002 x 40	30.250	100	30.250	100
F8	30.450	29.850	100	0.600	Mini PPIC	300	A15	3002 x 40	29.850	100	29.850	100
F9	30.450	29.850	100	0.600	Mini PPIC	300	A15	3002 x 40	29.850	100	29.850	100
F10	30.000	29.400	100	0.600	Mini PPIC	300	A15	3002 x 40	29.400	100	29.400	100
F11	30.000	29.400	100	0.600	PPIC	450	A15	4502 x 40	29.400	100	29.400	100
F12	30.000	28.655	100	1.345	PPIC	450	A15	4502 x 40	28.655	100	28.655	100
C3	30.100	28.575	150	1.525	Type E	1200	D400	600x600x100	28.625	100	28.575	150
F13	30.650	30.050	100	0.600	PPIC	450	A15	4502 x 40	30.050	100	30.050	100
F14	30.650	30.050	100	0.600	Mini PPIC	300	A15	3002 x 40	30.050	100	30.050	100
F15	30.650	30.050	100	0.600	Mini PPIC	300	A15	3002 x 40	30.050	100	30.050	100
F16	30.650	30.050	100	0.600	PPIC	450	A15	4502 x 40	30.050	100	30.050	100
F17	30.650	29.955	100	0.695	PPIC	450	A15	4502 x 40	29.955	100	29.955	100
F18	30.650	30.050	100	0.600	Mini PPIC	300	A15	3002 x 40	30.050	100	30.050	100
F19	30.650	30.050	100	0.600	Mini PPIC	300	A15	3002 x 40	30.050	100	30.050	100
F20	30.100	29.500	100	0.600	Mini PPIC	300	A15	3002 x 40	29.500	100	29.500	100
F21	30.100	29.500	100	0.600	Mini PPIC	300	A15	3002 x 40	29.500	100	29.500	100
F22	30.100	29.500	100	0.600	Mini PPIC	300	A15	3002 x 40	29.500	100	29.500	100
F23	30.100	29.110	100	0.990	PPIC	450	A15	4502 x 40	29.110	100	29.110	100
F24	30.100	29.500	100	0.600	PPIC	450	A15	4502 x 40	29.500	100	29.500	100
C4	30.100	27.800	225	2.300	Type B	1200	D400	600x600x100	27.925	100	27.800	225

Foul Water Drainage Pipe Line Schedule

Pipe Reference	Upstream IL	Downstream IL	Pipe Diameter	Distance	Pipe Gradient (1 in x)	Pipe Material
F1 - F5	30.250	30.155	100	7.550	79.5	Plastic
F2 (F1 - F5)	30.250	-	100	0.750	-	Plastic
F3 (F1 - F5)	30.250	-	100	0.750	-	Plastic
F4 - F5	30.250	30.155	100	4.975	52.4	Plastic
F5 - F12	30.155	28.655	100	17.733	11.8	Plastic
F6 (F5 - F12)	30.250	-	100	0.750	-	Plastic
F7 (F5 - F12)	30.250	-	100	0.750	-	Plastic
F8 (F5 - F12)	29.850	-	100	0.750	-	Plastic
F9 (F5 - F12)	29.850	-	100	0.750	-	Plastic
F10 - F12	29.400	28.655	100	1.328	1.8	Plastic
F11 - F12	29.400	28.655	100	4.892	6.6	Plastic
F12 - C3	28.655	28.625	100	2.388	79.6	Plastic
F13 - F17	30.050	29.955	100	7.528	79.2	Plastic
F14 (F13 - F17)	30.050	-	100	0.750	-	Plastic
F15 (F13 - F17)	30.050	-	100	0.750	-	Plastic
F16 - F17	30.050	29.955	100	4.997	52.6	Plastic
F17 - F23	29.955	29.110	100	18.483	21.9	Plastic
F18 (F17 - F23)	30.050	-	100	0.750	-	Plastic
F19 (F17 - F23)	30.050	-	100	0.750	-	Plastic
F20 (F17 - F23)	29.500	-	100	0.750	-	Plastic
F21 (F17 - F23)	29.500	-	100	0.750	-	Plastic
F21 (F17 - F23)	29.500		100	0.750	-	Plastic
F23 - C4	29.110	29.070	100	3.043	76.1	Plastic
F24 - C4	29.500	29.070	100	2.781	6.5	Plastic

Surface Water Drainage Manhole Schedule

Manhole Number	Cover Level (m)	Invert Level (m)	Major Pipe Diameter (mm)	Depth to Invert (m)	Manhole Type	Manhole Diameter (mm)	Manhole Cover		Pipe In		Pipe Out	
							Load Class	Size (mm) (l) x (w) x (d)	Invert Level (m)	Pipe Diameter (mm)	Invert Level (m)	Pipe Diameter (mm)
RE1	30.850	30.400	100	0.450	Rodding Eye	100	A15	110 oval	30.400	100	30.400	100
RE2	30.850	30.400	100	0.450	Rodding Eye	100	A15	110 oval	30.400	100	30.400	100
S1	30.850	30.325	100	0.525	PPIC	450	A15	4502 x 40	30.325	100	30.325	100
RE3	30.000	29.550	100	0.450	Rodding Eye	100	A15	110 oval	29.550	100	29.550	100
S2	30.000	29.155	100	0.845	PPIC	450	A15	4502 x 40	29.155	100	29.155	100
S3	30.100	28.645	100	1.455	PCC	1200	B125	600x600x75	28.645	100	28.645	100
C3	30.100	28.575	100	1.525	Type E	1200	D400	600x600x100	28.575	100	28.575	100
RE4	30.650	30.200	100	0.450	Rodding Eye	100	A15	4502 x 40	30.200	100	30.200	100
RE5	30.650	30.200	100	0.450	Rodding Eye	100	A15	110 oval	30.200	100	30.200	100
S4	30.650	30.125	100	0.525	PPIC	450	A15	4502 x 40	30.125	100	30.125	100
RE6	30.100	29.650	100	0.450	Rodding Eye	100	A15	110 oval	29.650	100	29.650	100
S5	30.100	29.500	100	0.600	PPIC	450	A15	4502 x 40	29.500	100	29.500	100
S6	30.100	29.100	150	1.000	PCC	1200	B125	600x600x75	29.100	150	29.100	150
C4	30.100	27.800	225	2.300	Type B	1200	D400	600x600x100	27.925	100	27.800	225

Surface Water Drainage Pipe Line Schedule

Pipe Reference	Upstream IL	Downstream IL	Pipe Diameter	Distance	Pipe Gradient (1 in x)	Pipe Material
RE1 - S1	30.400	30.325	100	5.172	69.0	Plastic
RE2 - S1	30.400	30.325	100	7.103	94.7	Plastic
S1 - S2	30.325	29.155	100	15.372	13.1	Plastic
RE3 - S2	29.550	29.155	100	7.103	18.0	Plastic
S2 - S3	29.155	28.645	100	2.086	4.1	Plastic
S3 - C3	28.645	28.575	100	1.148	16.4	Plastic
RE4 - S4	30.200	30.125	100	7.103	94.7	Plastic
RE5 - S4	30.200	30.125	100	5.172	69.0	Plastic
S4 - S5	30.125	29.500	100	14.575	23.3	Plastic
RE6 - S5	29.650	29.500	100	7.102	47.3	Plastic
S5 - S6	29.500	29.100	100	2.541	6.4	Plastic
S6 - C4	29.100	28.585	100	5.163	10.0	Plastic

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