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Gloucester House 66a Church Walk Burgess Hill, BN43 6LB	10768-Sefter Road Foul Network Details	
Date 10/05/2022 File 10768_FOUL NETWORK_REVA.MDX	Designed by DT Checked by MR	
XP Solutions	Network 2020.1.3	

FOUL SEWERAGE DESIGN

Network Design Table for Foul Network 1

PN	Length (m)	Fall (m)	Slope (1:X)	Area (ha)	Houses	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type	Auto Design
1.000	30.489	0.390	78.2	0.000	7	0.0	1.500	o	100	Pipe/Conduit	
1.001	29.835	0.380	78.5	0.000	1	0.0	1.500	o	100	Pipe/Conduit	
1.002	58.277	0.390	149.4	0.000	2	0.0	1.500	o	150	Pipe/Conduit	
1.003	34.866	0.470	74.2	0.000	18	0.0	1.500	o	150	Pipe/Conduit	
2.000	43.622	0.550	79.3	0.000	9	0.0	1.500	o	100	Pipe/Conduit	
2.001	8.173	0.060	136.2	0.000	7	0.0	1.500	o	150	Pipe/Conduit	
3.000	21.732	0.390	55.7	0.000	8	0.0	1.500	o	100	Pipe/Conduit	
2.002	6.490	0.050	129.8	0.000	3	0.0	1.500	o	150	Pipe/Conduit	
1.004	45.175	0.310	145.7	0.000	0	0.0	1.500	o	150	Pipe/Conduit	
4.000	46.461	0.590	78.7	0.000	4	0.0	1.500	o	100	Pipe/Conduit	
4.001	8.682	0.350	24.8	0.000	3	0.0	1.500	o	100	Pipe/Conduit	
1.005	23.906	0.230	103.9	0.000	0	0.0	1.500	o	150	Pipe/Conduit	
5.000	32.699	0.410	79.8	0.000	6	0.0	1.500	o	100	Pipe/Conduit	

Network Results Table

PN	US/IL (m)	Σ Area (ha)	Σ Base Flow (l/s)	Σ Hse (l/s)	Add Flow (l/s)	P.Dep (mm)	P.Vel (m/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
1.000	5.780	0.000	0.0	7	0.0	16	0.39	0.75	5.9	0.3
1.001	5.390	0.000	0.0	8	0.0	17	0.41	0.75	5.9	0.4
1.002	4.960	0.000	0.0	10	0.0	20	0.33	0.72	12.6	0.5
1.003	4.570	0.000	0.0	28	0.0	27	0.58	1.02	18.0	1.3
2.000	4.810	0.000	0.0	9	0.0	18	0.42	0.75	5.9	0.4
2.001	4.210	0.000	0.0	16	0.0	24	0.40	0.75	13.2	0.7
3.000	4.590	0.000	0.0	8	0.0	16	0.46	0.89	7.0	0.4
2.002	4.150	0.000	0.0	27	0.0	31	0.48	0.77	13.6	1.2
1.004	4.100	0.000	0.0	55	0.0	45	0.56	0.72	12.8	2.5
4.000	4.780	0.000	0.0	4	0.0	12	0.33	0.75	5.9	0.2
4.001	4.190	0.000	0.0	7	0.0	12	0.58	1.34	10.5	0.3
1.005	3.790	0.000	0.0	62	0.0	44	0.66	0.86	15.2	2.9
5.000	5.420	0.000	0.0	6	0.0	15	0.37	0.75	5.9	0.3

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FOUL SEWERAGE DESIGN

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PN	Length (m)	Fall (m)	Slope (1:X)	Area (ha)	Houses	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type	Auto Design
5.001	16.860	0.220	76.6	0.000	0	0.0	1.500	o	100	Pipe/Conduit	
5.002	30.846	0.210	146.9	0.000	17	0.0	1.500	o	150	Pipe/Conduit	
5.003	20.252	0.140	144.7	0.000	9	0.0	1.500	o	150	Pipe/Conduit	
6.000	27.109	0.670	40.5	0.000	4	0.0	1.500	o	100	Pipe/Conduit	
6.001	14.665	0.390	37.6	0.000	15	0.0	1.500	o	150	Pipe/Conduit	
5.004	32.277	0.220	146.7	0.000	2	0.0	1.500	o	150	Pipe/Conduit	
5.005	17.848	0.120	148.7	0.000	0	0.0	1.500	o	150	Pipe/Conduit	
5.006	19.413	0.140	138.7	0.000	3	0.0	1.500	o	150	Pipe/Conduit	
7.000	44.142	0.560	78.8	0.000	3	0.0	1.500	o	100	Pipe/Conduit	
7.001	30.119	0.420	71.7	0.000	11	0.0	1.500	o	150	Pipe/Conduit	
8.000	15.388	0.200	76.9	0.000	7	0.0	1.500	o	100	Pipe/Conduit	
8.001	20.184	0.260	77.6	0.000	0	0.0	1.500	o	100	Pipe/Conduit	
8.002	23.798	0.160	148.7	0.000	8	0.0	1.500	o	150	Pipe/Conduit	
7.002	7.175	0.050	143.5	0.000	0	0.0	1.500	o	150	Pipe/Conduit	
7.003	7.576	0.060	126.3	0.000	0	0.0	1.500	o	150	Pipe/Conduit	

Network Results Table

PN	US/IL (m)	Σ Area (ha)	Σ Base Flow (l/s)	Σ Hse (l/s)	Add Flow (l/s)	P.Dep (mm)	P.Vel (m/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
5.001	5.010	0.000	0.0	6	0.0	15	0.38	0.76	6.0	0.3
5.002	4.740	0.000	0.0	23	0.0	30	0.43	0.72	12.8	1.1
5.003	4.530	0.000	0.0	32	0.0	34	0.48	0.73	12.9	1.5
6.000	5.500	0.000	0.0	4	0.0	11	0.41	1.05	8.2	0.2
6.001	4.780	0.000	0.0	19	0.0	19	0.66	1.43	25.3	0.9
5.004	4.390	0.000	0.0	53	0.0	45	0.56	0.72	12.8	2.5
5.005	4.170	0.000	0.0	53	0.0	45	0.55	0.72	12.7	2.5
5.006	4.050	0.000	0.0	56	0.0	45	0.58	0.74	13.1	2.6
7.000	5.680	0.000	0.0	3	0.0	11	0.30	0.75	5.9	0.1
7.001	5.070	0.000	0.0	14	0.0	20	0.48	1.04	18.3	0.6
8.000	5.320	0.000	0.0	7	0.0	16	0.40	0.76	6.0	0.3
8.001	5.120	0.000	0.0	7	0.0	16	0.39	0.76	5.9	0.3
8.002	4.810	0.000	0.0	15	0.0	24	0.38	0.72	12.7	0.7
7.002	4.650	0.000	0.0	29	0.0	33	0.47	0.73	12.9	1.3
7.003	4.600	0.000	0.0	29	0.0	32	0.49	0.78	13.8	1.3

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Network Design Table for Foul Network 1

PN	Length (m)	Fall (m)	Slope (1:X)	Area (ha)	Houses	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type	Auto Design
7.004	13.365	0.090	148.5	0.000	4	0.0	1.500	o	150	Pipe/Conduit	
7.005	27.657	0.190	145.6	0.000	4	0.0	1.500	o	150	Pipe/Conduit	
7.006	37.529	0.350	107.2	0.000	12	0.0	1.500	o	150	Pipe/Conduit	
5.007	37.961	0.260	146.0	0.000	2	0.0	1.500	o	150	Pipe/Conduit	
5.008	12.605	0.090	140.1	0.000	5	0.0	1.500	o	150	Pipe/Conduit	
1.006	10.396	0.080	129.9	0.000	0	0.0	1.500	o	150	Pipe/Conduit	
1.007	14.238	0.100	142.4	0.000	5	0.0	1.500	o	150	Pipe/Conduit	
9.000	22.290	0.150	148.6	0.000	11	0.0	1.500	o	150	Pipe/Conduit	
9.001	31.687	0.220	144.0	0.000	3	0.0	1.500	o	150	Pipe/Conduit	
9.002	22.460	0.155	144.9	0.000	9	0.0	1.500	o	150	Pipe/Conduit	
9.003	27.609	0.495	55.8	0.000	13	0.0	1.500	o	150	Pipe/Conduit	
1.008	59.247	0.420	141.1	0.000	0	0.0	1.500	o	150	Pipe/Conduit	
1.009	11.759	0.090	130.7	0.000	20	0.0	1.500	o	150	Pipe/Conduit	
1.010	17.379	1.140	15.2	0.000	0	0.0	1.500	o	150	Pipe/Conduit	
10.000	44.042	1.040	42.3	0.000	3	0.0	1.500	o	100	Pipe/Conduit	

Network Results Table

PN	US/IL (m)	Σ Area (ha)	Σ Base Flow (l/s)	Σ Hse (l/s)	Add Flow (l/s)	P.Dep (mm)	P.Vel (m/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
7.004	4.540	0.000	0.0	33	0.0	35	0.48	0.72	12.7	1.5
7.005	4.450	0.000	0.0	37	0.0	37	0.50	0.73	12.8	1.7
7.006	4.260	0.000	0.0	49	0.0	40	0.61	0.85	14.9	2.3
5.007	3.910	0.000	0.0	107	0.0	65	0.68	0.72	12.8	4.9
5.008	3.650	0.000	0.0	112	0.0	66	0.70	0.74	13.1	5.2
1.006	3.560	0.000	0.0	174	0.0	83	0.80	0.77	13.6	8.0
1.007	3.480	0.000	0.0	179	0.0	87	0.78	0.73	13.0	8.3
9.000	4.400	0.000	0.0	11	0.0	21	0.34	0.72	12.7	0.5
9.001	4.250	0.000	0.0	14	0.0	23	0.37	0.73	12.9	0.6
9.002	4.030	0.000	0.0	23	0.0	29	0.44	0.73	12.8	1.1
9.003	3.875	0.000	0.0	36	0.0	29	0.70	1.17	20.8	1.7
1.008	3.380	0.000	0.0	215	0.0	98	0.81	0.74	13.0	9.9
1.009	2.960	0.000	0.0	235	0.0	102	0.85	0.77	13.5	10.9
1.010	2.870	0.000	0.0	235	0.0	54	1.92	2.25	39.8	10.9
10.000	5.230	0.000	0.0	3	0.0	9	0.37	1.02	8.0	0.1

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Network Design Table for Foul Network 1

PN	Length (m)	Fall (m)	Slope (1:X)	Area (ha)	Houses	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type	Auto Design
10.001	32.295	0.410	78.8	0.000	3	0.0	1.500	o	100	Pipe/Conduit	
10.002	18.659	0.130	143.5	0.000	3	0.0	1.500	o	150	Pipe/Conduit	
10.003	28.906	0.200	144.5	0.000	0	0.0	1.500	o	150	Pipe/Conduit	
10.004	17.734	0.120	147.8	0.000	0	0.0	1.500	o	150	Pipe/Conduit	
10.005	6.671	0.050	133.4	0.000	0	0.0	1.500	o	150	Pipe/Conduit	
10.006	8.633	0.060	143.9	0.000	0	0.0	1.500	o	150	Pipe/Conduit	
10.007	15.367	0.110	139.7	0.000	0	0.0	1.500	o	150	Pipe/Conduit	
10.008	13.077	0.090	145.3	0.000	0	0.0	1.500	o	150	Pipe/Conduit	
11.000	9.012	0.880	10.2	0.000	30	0.0	1.500	o	150	Pipe/Conduit	
10.009	23.836	0.160	149.0	0.000	0	0.0	1.500	o	150	Pipe/Conduit	
10.010	18.343	0.130	141.1	0.000	0	0.0	1.500	o	150	Pipe/Conduit	
10.011	22.058	0.150	147.1	0.000	0	0.0	1.500	o	150	Pipe/Conduit	
10.012	57.562	0.390	147.6	0.000	0	0.0	1.500	o	150	Pipe/Conduit	
10.013	12.817	0.090	142.4	0.000	0	0.0	1.500	o	150	Pipe/Conduit	
10.014	32.084	0.220	145.8	0.000	0	0.0	1.500	o	150	Pipe/Conduit	
10.015	13.687	0.100	136.9	0.000	7	0.0	1.500	o	150	Pipe/Conduit	
1.011	12.769	0.120	106.4	0.000	0	0.0	1.500	o	150	Pipe/Conduit	

Network Results Table

PN	US/IL (m)	Σ Area (ha)	Σ Base Flow (l/s)	Σ Hse (l/s)	Add Flow (l/s)	P.Dep (mm)	P.Vel (m/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)
10.001	4.190	0.000	0.0	6	0.0	15	0.37	0.75	5.9	0.3
10.002	3.730	0.000	0.0	9	0.0	19	0.33	0.73	12.9	0.4
10.003	3.600	0.000	0.0	9	0.0	19	0.33	0.73	12.9	0.4
10.004	3.400	0.000	0.0	9	0.0	19	0.32	0.72	12.7	0.4
10.005	3.280	0.000	0.0	9	0.0	18	0.33	0.76	13.4	0.4
10.006	3.230	0.000	0.0	9	0.0	19	0.33	0.73	12.9	0.4
10.007	3.170	0.000	0.0	9	0.0	19	0.33	0.74	13.1	0.4
10.008	3.060	0.000	0.0	9	0.0	19	0.32	0.73	12.8	0.4
11.000	3.850	0.000	0.0	30	0.0	18	1.19	2.75	48.6	1.4
10.009	2.970	0.000	0.0	39	0.0	38	0.51	0.72	12.7	1.8
10.010	2.810	0.000	0.0	39	0.0	38	0.51	0.74	13.0	1.8
10.011	2.680	0.000	0.0	39	0.0	38	0.51	0.72	12.7	1.8
10.012	2.530	0.000	0.0	39	0.0	38	0.51	0.72	12.7	1.8
10.013	2.140	0.000	0.0	39	0.0	38	0.51	0.73	13.0	1.8
10.014	2.050	0.000	0.0	39	0.0	38	0.51	0.72	12.8	1.8
10.015	1.830	0.000	0.0	46	0.0	41	0.55	0.75	13.2	2.1
1.011	1.730	0.000	0.0	281	0.0	108	0.96	0.85	15.0	13.0

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<u>FOUL SEWERAGE DESIGN</u> <u>Network Design Table for Foul Network 1</u> <table><tr><th>PN</th><th>Length (m)</th><th>Fall (m)</th><th>Slope (1:X)</th><th>Area (ha)</th><th>Houses</th><th>Base Flow (l/s)</th><th>k (mm)</th><th>HYD SECT</th><th>DIA (mm)</th><th>Section Type</th><th>Auto Design</th></tr><tr><td>1.012</td><td>3.795</td><td>0.050</td><td>75.9</td><td>0.000</td><td>0</td><td>0.0</td><td>1.500</td><td>o</td><td>150</td><td>Pipe/Conduit</td><td></td></tr></table> <u>Network Results Table</u> <table><tr><th>PN</th><th>US/IL (m)</th><th>Σ Area (ha)</th><th>Σ Base Flow (l/s)</th><th>Σ Hse Add Flow (l/s)</th><th>P.Dep (mm)</th><th>P.Vel (m/s)</th><th>Vel (m/s)</th><th>Cap (l/s)</th><th>Flow (l/s)</th></tr><tr><td>1.012</td><td>1.610</td><td>0.000</td><td>0.0</td><td>281</td><td>0.0</td><td>95</td><td>1.10</td><td>1.01</td><td>13.0</td></tr></table>												PN	Length (m)	Fall (m)	Slope (1:X)	Area (ha)	Houses	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type	Auto Design	1.012	3.795	0.050	75.9	0.000	0	0.0	1.500	o	150	Pipe/Conduit		PN	US/IL (m)	Σ Area (ha)	Σ Base Flow (l/s)	Σ Hse Add Flow (l/s)	P.Dep (mm)	P.Vel (m/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)	1.012	1.610	0.000	0.0	281	0.0	95	1.10	1.01	13.0
PN	Length (m)	Fall (m)	Slope (1:X)	Area (ha)	Houses	Base Flow (l/s)	k (mm)	HYD SECT	DIA (mm)	Section Type	Auto Design																																												
1.012	3.795	0.050	75.9	0.000	0	0.0	1.500	o	150	Pipe/Conduit																																													
PN	US/IL (m)	Σ Area (ha)	Σ Base Flow (l/s)	Σ Hse Add Flow (l/s)	P.Dep (mm)	P.Vel (m/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)																																														
1.012	1.610	0.000	0.0	281	0.0	95	1.10	1.01	13.0																																														
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XP Solutions

Network 2020.1.3

Manhole Schedules for Foul Network 1

MH Name	MH CL (m)	MH Depth (m)	MH Connection	MH Diam., L*W (mm)	PN	Pipe Out Invert Level (m)	Diameter (mm)	PN	Pipes In Invert Level (m)	Diameter (mm)	Backdrop (mm)
FMH1.1	7.099	1.319	Open Manhole	1350	1.000	5.780	100				
FMH1.2	7.295	1.905	Open Manhole	1200	1.001	5.390	100	1.000	5.390	100	
FMH1.3	7.326	2.366	Open Manhole	1200	1.002	4.960	150	1.001	5.010	100	
FMH1.4	6.830	2.260	Open Manhole	1200	1.003	4.570	150	1.002	4.570	150	
FMH2.1	7.012	2.202	Open Manhole	1200	2.000	4.810	100				
FMH2.2	6.651	2.441	Open Manhole	1200	2.001	4.210	150	2.000	4.260	100	
FMH3.1	6.723	2.133	Open Manhole	1200	3.000	4.590	100				
FMH2.3	6.658	2.508	Open Manhole	1200	2.002	4.150	150	2.001	4.150	150	
								3.000	4.200	100	
FMH1.5	6.642	2.542	Open Manhole	1200	1.004	4.100	150	1.003	4.100	150	
								2.002	4.100	150	
FMH4.1	6.764	1.984	Open Manhole	1200	4.000	4.780	100				
FMH4.2	6.867	2.677	Open Manhole	1200	4.001	4.190	100	4.000	4.190	100	
FMH1.6	7.014	3.224	Open Manhole	1200	1.005	3.790	150	1.004	3.790	150	
								4.001	3.840	100	
FMH5.1	6.919	1.499	Open Manhole	1350	5.000	5.420	100				
FMH5.2	7.189	2.179	Open Manhole	1200	5.001	5.010	100	5.000	5.010	100	
FMH5.3	7.038	2.298	Open Manhole	1200	5.002	4.740	150	5.001	4.790	100	
FMH5.4	7.255	2.725	Open Manhole	1200	5.003	4.530	150	5.002	4.530	150	
FMH6.1	7.263	1.763	Open Manhole	1200	6.000	5.500	100				
FMH6.2	7.040	2.260	Open Manhole	1200	6.001	4.780	150	6.000	4.830	100	
FMH5.5	7.201	2.811	Open Manhole	1200	5.004	4.390	150	5.003	4.390	150	
								6.001	4.390	150	
FMH5.6	7.327	3.157	Open Manhole	1200	5.005	4.170	150	5.004	4.170	150	
FMH5.7	7.219	3.169	Open Manhole	1200	5.006	4.050	150	5.005	4.050	150	
FMH7.1	7.150	1.470	Open Manhole	1350	7.000	5.680	100				
FMH7.2	7.296	2.226	Open Manhole	1200	7.001	5.070	150	7.000	5.120	100	
FMH8.1	7.552	2.232	Open Manhole	1200	8.000	5.320	100				
FMH8.2	7.581	2.461	Open Manhole	1200	8.001	5.120	100	8.000	5.120	100	
FMH8.3	7.379	2.569	Open Manhole	1200	8.002	4.810	150	8.001	4.860	100	
FMH7.3	7.413	2.763	Open Manhole	1200	7.002	4.650	150	7.001	4.650	150	
								8.002	4.650	150	
FMH7.4	7.483	2.883	Open Manhole	1200	7.003	4.600	150	7.002	4.600	150	
FMH7.5	7.550	3.010	Open Manhole	1200	7.004	4.540	150	7.003	4.540	150	
FMH7.6	7.384	2.934	Open Manhole	1200	7.005	4.450	150	7.004	4.450	150	
FMH7.7	7.100	2.840	Open Manhole	1200	7.006	4.260	150	7.005	4.260	150	
FMH5.8	7.087	3.177	Open Manhole	1200	5.007	3.910	150	5.006	3.910	150	

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Manhole Schedules for Foul Network 1											
MH Name	MH CL (m)	MH Depth (m)	MH Connection	MH Diam.,L*W (mm)	PN	Pipe Out Invert Level (m)	Diameter (mm)	PN	Pipes In Invert Level (m)	Diameter (mm)	Backdrop (mm)
								7.006	3.910	150	
FMH5.9	7.333	3.683	Open Manhole	1200	5.008	3.650	150	5.007	3.650	150	
FMH1.7	7.447	3.887	Open Manhole	1200	1.006	3.560	150	1.005	3.560	150	
								5.008	3.560	150	
FMH1.8	7.541	4.061	Open Manhole	1200	1.007	3.480	150	1.006	3.480	150	
FMH9.1	7.682	3.282	Open Manhole	1200	9.000	4.400	150				
FMH9.2	7.590	3.340	Open Manhole	1200	9.001	4.250	150	9.000	4.250	150	
FMH9.3	7.416	3.386	Open Manhole	1200	9.002	4.030	150	9.001	4.030	150	
FMH9.4	7.235	3.360	Open Manhole	1200	9.003	3.875	150	9.002	3.875	150	
FMH1.9	7.655	4.275	Open Manhole	1200	1.008	3.380	150	1.007	3.380	150	
								9.003	3.380	150	
FMH1.10	7.052	4.092	Open Manhole	1200	1.009	2.960	150	1.008	2.960	150	
FMH1.11	6.955	4.085	Open Manhole	1500	1.010	2.870	150	1.009	2.870	150	
FMH10.1	6.447	1.217	Open Manhole	1350	10.000	5.230	100				
FMH10.2	6.051	1.861	Open Manhole	1200	10.001	4.190	100	10.000	4.190	100	
FMH10.3	6.378	2.648	Open Manhole	1200	10.002	3.730	150	10.001	3.780	100	
FMH10.4	6.542	2.942	Open Manhole	1200	10.003	3.600	150	10.002	3.600	150	
FMH10.5	6.354	2.954	Open Manhole	1200	10.004	3.400	150	10.003	3.400	150	
FMH10.6	6.406	3.126	Open Manhole	1200	10.005	3.280	150	10.004	3.280	150	
FMH10.7	6.470	3.240	Open Manhole	1200	10.006	3.230	150	10.005	3.230	150	
FMH10.8	6.554	3.384	Open Manhole	1200	10.007	3.170	150	10.006	3.170	150	
FMH10.9	6.356	3.296	Open Manhole	1200	10.008	3.060	150	10.007	3.060	150	
FMH11.1	6.330	2.480	Open Manhole	1200	11.000	3.850	150				
FMH10.10	6.227	3.257	Open Manhole	1200	10.009	2.970	150	10.008	2.970	150	
								11.000	2.970	150	
FMH10.11	6.004	3.194	Open Manhole	1200	10.010	2.810	150	10.009	2.810	150	
FMH10.12	6.121	3.441	Open Manhole	1200	10.011	2.680	150	10.010	2.680	150	
FMH10.13	6.343	3.813	Open Manhole	1200	10.012	2.530	150	10.011	2.530	150	
FMH10.14	6.885	4.745	Open Manhole	1200	10.013	2.140	150	10.012	2.140	150	
FMH10.15	6.802	4.752	Open Manhole	1500	10.014	2.050	150	10.013	2.050	150	
FMH10.16	6.768	4.938	Open Manhole	1500	10.015	1.830	150	10.014	1.830	150	
FMH1.12	6.890	5.160	Open Manhole	1500	1.011	1.730	150	1.010	1.730	150	
								10.015	1.730	150	
Inlet Manhole	6.675	5.065	Open Manhole	1500	1.012	1.610	150	1.011	1.610	150	
FMH1.13	6.675	5.115	Open Manhole	2400		OUTFALL		1.012	1.560	150	
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Micro Drainage

Manhole Schedules for Foul Network 1

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
FMH1.1	490185.646	99427.473	490185.646	99427.473	Required	
FMH1.2	490194.895	99456.525	490194.895	99456.525	Required	
FMH1.3	490203.945	99484.954	490203.945	99484.954	Required	
FMH1.4	490148.259	99502.137	490148.259	99502.137	Required	
FMH2.1	490063.785	99521.448	490063.785	99521.448	Required	
FMH2.2	490105.458	99508.556	490105.458	99508.556	Required	
FMH3.1	490106.882	99485.373	490106.882	99485.373	Required	
FMH2.3	490113.267	99506.145	490113.267	99506.145	Required	
FMH1.5	490114.942	99512.415	490114.942	99512.415	Required	
FMH4.1	490075.307	99572.178	490075.307	99572.178	Required	
FMH4.2	490119.642	99558.283	490119.642	99558.283	Required	
FMH1.6	490127.926	99555.684	490127.926	99555.684	Required	
FMH5.1	490321.042	99554.187	490321.042	99554.187	Required	
FMH5.2	490288.352	99553.422	490288.352	99553.422	Required	
FMH5.3	490275.013	99543.110	490275.013	99543.110	Required	
FMH5.4	490250.610	99524.243	490250.610	99524.243	Required	

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Manhole Schedules for Foul Network 1 <table><thead><tr><th>MH Name</th><th>Manhole Easting (m)</th><th>Manhole Northing (m)</th><th>Intersection Easting (m)</th><th>Intersection Northing (m)</th><th>Manhole Access</th><th>Layout (North)</th></tr></thead><tbody><tr><td>FMH6.1</td><td>490222.281</td><td>99484.347</td><td>490222.281</td><td>99484.347</td><td>Required</td><td></td></tr><tr><td>FMH6.2</td><td>490243.981</td><td>99500.595</td><td>490243.981</td><td>99500.595</td><td>Required</td><td></td></tr><tr><td>FMH5.5</td><td>490234.587</td><td>99511.857</td><td>490234.587</td><td>99511.857</td><td>Required</td><td></td></tr><tr><td>FMH5.6</td><td>490214.208</td><td>99536.886</td><td>490214.208</td><td>99536.886</td><td>Required</td><td></td></tr><tr><td>FMH5.7</td><td>490200.623</td><td>99548.462</td><td>490200.623</td><td>99548.462</td><td>Required</td><td></td></tr><tr><td>FMH7.1</td><td>490319.716</td><td>99624.042</td><td>490319.716</td><td>99624.042</td><td>Required</td><td></td></tr><tr><td>FMH7.2</td><td>490275.574</td><td>99624.069</td><td>490275.574</td><td>99624.069</td><td>Required</td><td></td></tr><tr><td>FMH8.1</td><td>490248.459</td><td>99683.315</td><td>490248.459</td><td>99683.315</td><td>Required</td><td></td></tr><tr><td>FMH8.2</td><td>490245.892</td><td>99668.143</td><td>490245.892</td><td>99668.143</td><td>Required</td><td></td></tr><tr><td>FMH8.3</td><td>490245.696</td><td>99647.960</td><td>490245.696</td><td>99647.960</td><td>Required</td><td></td></tr><tr><td>FMH7.3</td><td>490245.455</td><td>99624.164</td><td>490245.455</td><td>99624.164</td><td>Required</td><td></td></tr><tr><td>FMH7.4</td><td>490243.017</td><td>99617.416</td><td>490243.017</td><td>99617.416</td><td>Required</td><td></td></tr><tr><td>FMH7.5</td><td>490238.826</td><td>99611.104</td><td>490238.826</td><td>99611.104</td><td>Required</td><td></td></tr><tr><td>FMH7.6</td><td>490229.848</td><td>99601.204</td><td>490229.848</td><td>99601.204</td><td>Required</td><td></td></tr><tr><td>FMH7.7</td><td>490211.108</td><td>99580.864</td><td>490211.108</td><td>99580.864</td><td>Required</td><td></td></tr><tr><td>FMH5.8</td><td>490182.820</td><td>99556.202</td><td>490182.820</td><td>99556.202</td><td>Required</td><td></td></tr></tbody></table>						MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)	FMH6.1	490222.281	99484.347	490222.281	99484.347	Required		FMH6.2	490243.981	99500.595	490243.981	99500.595	Required		FMH5.5	490234.587	99511.857	490234.587	99511.857	Required		FMH5.6	490214.208	99536.886	490214.208	99536.886	Required		FMH5.7	490200.623	99548.462	490200.623	99548.462	Required		FMH7.1	490319.716	99624.042	490319.716	99624.042	Required		FMH7.2	490275.574	99624.069	490275.574	99624.069	Required		FMH8.1	490248.459	99683.315	490248.459	99683.315	Required		FMH8.2	490245.892	99668.143	490245.892	99668.143	Required		FMH8.3	490245.696	99647.960	490245.696	99647.960	Required		FMH7.3	490245.455	99624.164	490245.455	99624.164	Required		FMH7.4	490243.017	99617.416	490243.017	99617.416	Required		FMH7.5	490238.826	99611.104	490238.826	99611.104	Required		FMH7.6	490229.848	99601.204	490229.848	99601.204	Required		FMH7.7	490211.108	99580.864	490211.108	99580.864	Required		FMH5.8	490182.820	99556.202	490182.820	99556.202	Required	
MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)																																																																																																																						
FMH6.1	490222.281	99484.347	490222.281	99484.347	Required																																																																																																																							
FMH6.2	490243.981	99500.595	490243.981	99500.595	Required																																																																																																																							
FMH5.5	490234.587	99511.857	490234.587	99511.857	Required																																																																																																																							
FMH5.6	490214.208	99536.886	490214.208	99536.886	Required																																																																																																																							
FMH5.7	490200.623	99548.462	490200.623	99548.462	Required																																																																																																																							
FMH7.1	490319.716	99624.042	490319.716	99624.042	Required																																																																																																																							
FMH7.2	490275.574	99624.069	490275.574	99624.069	Required																																																																																																																							
FMH8.1	490248.459	99683.315	490248.459	99683.315	Required																																																																																																																							
FMH8.2	490245.892	99668.143	490245.892	99668.143	Required																																																																																																																							
FMH8.3	490245.696	99647.960	490245.696	99647.960	Required																																																																																																																							
FMH7.3	490245.455	99624.164	490245.455	99624.164	Required																																																																																																																							
FMH7.4	490243.017	99617.416	490243.017	99617.416	Required																																																																																																																							
FMH7.5	490238.826	99611.104	490238.826	99611.104	Required																																																																																																																							
FMH7.6	490229.848	99601.204	490229.848	99601.204	Required																																																																																																																							
FMH7.7	490211.108	99580.864	490211.108	99580.864	Required																																																																																																																							
FMH5.8	490182.820	99556.202	490182.820	99556.202	Required																																																																																																																							
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Manhole Schedules for Foul Network 1

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
FMH5.9	490146.666	99567.774	490146.666	99567.774	Required	
FMH1.7	490138.314	99577.216	490138.314	99577.216	Required	
FMH1.8	490136.496	99587.451	490136.496	99587.451	Required	
FMH9.1	490187.534	99690.064	490187.534	99690.064	Required	
FMH9.2	490185.326	99667.884	490185.326	99667.884	Required	
FMH9.3	490174.846	99637.980	490174.846	99637.980	Required	
FMH9.4	490161.269	99620.088	490161.269	99620.088	Required	
FMH1.9	490141.553	99600.762	490141.553	99600.762	Required	
FMH1.10	490103.783	99646.409	490103.783	99646.409	Required	
FMH1.11	490094.109	99653.092	490094.109	99653.092	Required	
FMH10.1	489837.722	99455.752	489837.722	99455.752	Required	
FMH10.2	489845.370	99499.124	489845.370	99499.124	Required	
FMH10.3	489852.232	99530.681	489852.232	99530.681	Required	
FMH10.4	489861.380	99546.944	489861.380	99546.944	Required	
FMH10.5	489871.405	99574.056	489871.405	99574.056	Required	
FMH10.6	489879.694	99589.733	489879.694	99589.733	Required	

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Manhole Schedules for Foul Network 1

MH Name	Manhole Easting (m)	Manhole Northing (m)	Intersection Easting (m)	Intersection Northing (m)	Manhole Access	Layout (North)
FMH10.7	489884.217	99594.636	489884.217	99594.636	Required	
FMH10.8	489891.545	99599.202	489891.545	99599.202	Required	
FMH10.9	489906.001	99604.413	489906.001	99604.413	Required	
FMH11.1	489917.391	99614.869	489917.391	99614.869	Required	
FMH10.10	489918.981	99605.999	489918.981	99605.999	Required	
FMH10.11	489942.530	99609.696	489942.530	99609.696	Required	
FMH10.12	489959.192	99617.368	489959.192	99617.368	Required	
FMH10.13	489976.477	99631.070	489976.477	99631.070	Required	
FMH10.14	490020.992	99667.564	490020.992	99667.564	Required	
FMH10.15	490033.441	99670.614	490033.441	99670.614	Required	
FMH10.16	490064.218	99661.550	490064.218	99661.550	Required	
FMH1.12	490077.346	99657.679	490077.346	99657.679	Required	
Inlet Manhole	490072.234	99645.978	490072.234	99645.978	Required	
FMH1.13	490071.078	99642.364			No Entry	

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Free Flowing Outfall Details for Foul Network 1

Outfall Pipe Number	Outfall Name	C. Level (m)	I. Level (m)	Min I. Level (m)	D,L (mm)	W (mm)
1.012	FMH1.13	6.675	1.560	0.000	2400	0

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