

SURFACE WATER NETWORK

Manhole Number	Cover Level	Connections	Pipe		Manhole Size	Type
			Code	Inverts		
S1	05.03					
E. 419618.400	1.07		1.000	83.000	225	1000 C D400
N. 414707.027			1.000	83.000	225	
S2	04.90					
E. 419606.036	1.615		1.001	82.763	303	1000 B D400
N. 414704.972			1.001	82.905	303	
S3	06.00					
E. 419609.071	2.417		1.002	82.763	303	1000 A D400
N. 414716.682			1.002	82.911	303	
S4	06.175					
E. 419609.252	3.288		1.003	82.811	303	1000 A D400
N. 414708.091			1.003	82.811	303	
S5	05.00					
E. 419625.747	2.314		1.003	82.389	303	1000 B D400
N. 414704.018			1.004	82.386	303	
S6	05.00					
E. 419608.238	0.875		1.005	82.188	400	1000 C D400
N. 414704.010			1.005	81.927	400	
S7	03.20					
E. 419662.175	0.072		1.006	81.777	600	1000 C D400
N. 414682.808			1.006	81.777	600	
HD1	02.00					
E. 419602.458	2.840		1.001	80.985	225	900 B D400
N. 414706.044			1.001	80.985	225	
S8	03.20					
E. 419604.036	2.068		2.000	80.200	225	1000 B D400
N. 414709.743			2.000	80.600	225	
S9	01.20					
E. 419643.848	1.424		2.001	80.000	225	1000 C D400
N. 414713.109			2.001	80.000	225	
S10	06.075					
E. 419621.313	1.078		2.001	81.075	225	1000 B D400
N. 414706.612			2.002	81.000	303	
S11	07.014					
E. 419615.840	1.514		2.003	80.100	300	1000 B D400
N. 414693.022			2.003	80.000	300	
S12	06.10					
E. 419605.197	1.255		2.004	84.000	303	1000 C D400
N. 414691.773			2.004	84.000	303	
S13	04.914					
E. 419608.063	2.990		1.006	81.724	600	1000 B D400
N. 414671.617			1.007	81.724	600	
S14	05.00					
E. 419624.054	2.644		1.008	81.644	600	1000 A D400
N. 414692.075			1.008	81.644	600	
S15	06.03					
E. 419643.706	4.737		1.009	81.544	600	1000 A D400
N. 414692.210			1.009	81.544	600	
S16	03.00					
E. 419628.023	1.066		1.010	81.544	600	1000 B D400
N. 414691.058			1.010	81.470	600	
S17	03.70					
E. 419613.884	1.430		1.011	81.470	600	1000 B D400
N. 414692.112			1.011	81.470	600	
S18	01.90					
E. 419603.108	2.571		1.012	79.720	600	1000 B D400
N. 414695.449			1.012	79.720	600	
TANK S16A						
E. 419676.480	2.360		1.013	79.970	600	2400 C D400
N. 414696.221			1.014	79.820	150	
S20	05.00					
E. 419601.000	1.614		1.015	79.270	150	1000 B D400
N. 414699.472			1.015	79.270	150	
SW1	05.00					
E. 419603.180	1.571		1.016	79.270	150	1000 B D400
N. 414698.472			1.016	79.270	150	
HW1	07.00					
E. 419604.643	0.700		1.016	79.230	150	Headwall
N. 414692.117			1.016	79.230	150	

FOUL WATER NETWORK

Manhole Number	Cover Level	Connections	Pipe		Manhole Size	Type
			Code	Inverts		
F1	05.70					
E. 419620.399	1.420		1.000	84.100	100	1000 C D400
N. 414706.084			1.000	83.900	150	
F2	04.20					
E. 419603.306	1.179		1.001	83.000	100	1000 C D400
N. 414703.964			1.001	83.000	100	
F3	06.70					
E. 419601.164	3.240		1.001	83.310	100	1000 A D400
N. 414700.900			1.002	83.310	100	
F4	06.24					
E. 419606.176	3.170		1.003	82.975	100	1000 A D400
N. 414703.040			1.003	82.975	100	
F5	05.10					
E. 419627.010	2.394		1.009	82.900	100	1000 B D400
N. 414693.058			1.004	82.550	100	
F6	03.90					
E. 419610.164	1.164		1.004	82.466	100	1000 C D400
N. 414690.420			1.005	82.466	100	
F7	03.20					
E. 419604.129	0.939		1.006	82.247	100	1000 C D400
N. 414691.254			1.006	82.247	100	
F8	03.20					
E. 419605.540	3.410		2.000	80.700	100	1000 A D400
N. 414706.899			2.000	80.700	100	
F9	01.00					
E. 419600.720	2.108		2.001	80.100	100	1000 B D400
N. 414707.910			2.001	80.100	100	
F10	03.20					
E. 419602.061	2.171		2.002	80.500	100	1000 B D400
N. 414691.380			2.002	80.500	100	
F11	07.84					
E. 419605.000	3.162		2.003	80.600	100	1000 B D400
N. 414693.214			2.003	80.600	100	
F12	06.10					
E. 419601.091	1.800		2.004	80.200	100	1000 B D400
N. 414693.339			2.004	80.200	100	
F13	05.15					
E. 419600.998	2.992		1.006	82.000	100	1000 B D400
N. 414671.308			1.007	82.000	100	
F14	03.80					
E. 419610.973	4.137		1.007	81.700	100	1000 A D400
N. 414671.833			1.008	81.700	100	
F15	07.00					
E. 419600.150	3.530		1.009	81.201	100	1000 A D400
N. 414694.547			1.009	81.201	100	
F16	04.90					
E. 419601.884	2.885		1.010	81.100	100	1000 B D400
N. 414693.015			1.010	81.025	100	
F17	03.70					
E. 419610.710	2.520		1.011	81.025	100	1000 B D400
N. 414693.906			1.011	80.900	100	
F18	04.00					
E. 419608.797	3.960		1.012	80.800	100	1000 B D400
N. 414670.717			1.012	80.800	100	
F19 - NEW COMBINED MAN EXISTING	03.90					
E. 419670.292	1.300		1.013	79.542	100 (EX)	1000 C D400
N. 414693.107			1.013	79.542	100 (EX)	

DEMARICATION CHAMBERS SCHEDULES

Surface Water												
Ref (BS2)	Cover Level	Invert Level	Depth to Invert (m)	Depth to Soft (m)	Diameter (mm)	Cover Type	Chamber Type	Lateral Diameter (mm)	Lateral Length (m)	D/Stream Invert	Lateral Gradient (1 in %)	
01	87.100	86.100	1.000	0.850	450	B125	450x450	Type D	150	5.0	85.000	10.0
02	86.200	82.200	4.110	4.020	1200	D400	600x600	Type A	150	4.0	81.800	10.0
03	86.100	84.400	1.700	1.550	450	B125	450x450	Type D	150	4.5	83.900	10.0
04	85.450	82.200	3.150	3.000	1200	D400	600x600	Type A	150	3.0	81.900	10.0
05	86.600	85.400	1.170	1.020	450	D400	450x450	Type D	150	6.8	84.750	10.0
06	86.850	85.800	1.270	1.120	450	D400	450x450	Type D	150	8.3	84.750	10.0
07	88.075	86.700	1.325	1.175	450	B125	450x450	Type D	150	6.0	86.250	12.0
08	89.150	88.500	1.525	1.375	450	D400	450x450	Type D	150	6.7	86.250	22.3
09	89.450	87.700	1.370	1.220	450	B125	450x450	Type D	150	6.3	87.100	10.0
10	89.450	87.300	2.150	2.000	450	B125	450x450	Type D	150	9.0	87.150	60.0
11	91.400	90.270	1.130	0.980	450	B125	450x450	Type D	150	5.2	89.750	10.0
12	91.500	89.800	1.700	1.550	450	D400	450x450	Type D	150	4.0	89.750	80.0
13	93.360	92.200	1.160	1.010	450	D400	450x450	Type D	150	5.3	91.070	10.0
14	93.050	91.140	2.910	2.760	450	B125	450x450	Type D	150	5.0	90.075	70.9
15	84.000	83.000	1.000	0.850	450	B125	450x450	Type D	150	3.0	82.800	15.0
16	85.400	83.600	1.700	1.600	450	D400	450x450	Type D	150	3.0	83.300	10.0
17	86.540	84.800	1.600	1.540	450	B125	450x450	Type D	150	6.2	84.200	10.0
18	85.700	83.925	1.775	1.625	450	B125	450x450	Type D	150	3.5	83.575	10.0
19	85.900	83.625	2.200	2.110	450	B125	450x450	Type D	150	4.7	83.575	72.3

Demarcation Chambers to be WAVIN OSMA ULTRARIB POLYPROPYLENE Inspection Chambers

Demarcation chambers to be constructed as a TYPE A, B or C manhole if depth to soffit exceeds 3.0m

Lateral Drains to be WAVIN OSMA ULTRARIB UPVC Pipes

Demarcation chambers located in non trafficked areas then 150mm granular bed and surround required

Demarcation chambers located in single private drives to receive 150mm G6/3 concrete bed and surround will be required

Access Opening restricted to 350mmØ or 350 x350mm if depth to soffit is greater than 1.0m