

SURFACE WATER NETWORK

Manhole Number	Cover Level	Depth To Soils	Connections	Code	Pipe	Manhole Size	Type
Coordinates	Depth To Soils	Connections	Code	Inverts	Diams	Manhole	Cover
S1	85.032		0	1.000	83.000	225	1500 C D400
E. 419818.400	1.037						
N. 414707.057							
S2	84.840		0	1.000	83.000	225	1500 B D400
E. 419806.086	1.015						
N. 414704.972							
S3	86.600		0	1.001	82.925	300	1500 A D400
E. 419899.070	3.417						
N. 414716.492							
S4	86.179		0	1.002	82.811	300	1500 A D400
E. 419898.252	3.388						
N. 414705.091							
S5	86.000		0	1.003	82.386	300	1500 B D400
E. 419875.747	2.214						
N. 414704.018							
S6	85.800		0	1.004	82.338	300	1500 C D400
E. 419898.208	0.870						
N. 414686.010							
S7	83.240		0	1.005	82.188	450	1500 C D400
E. 419892.175	0.970						
N. 414682.800							
S8	83.225		0	1.006	81.777	600	1500 B D400
E. 419894.086	2.068						
N. 414726.743							
S9	81.225		0	2.001	80.000	225	1500 C D400
E. 419943.048	1.434						
N. 414773.109							
S10	88.075		0	2.001	87.075	225	1500 B D400
E. 419831.213	1.078						
N. 414706.012							
S11	87.611		0	2.002	87.000	300	1500 B D400
E. 419815.840	1.514						
N. 414695.022							
S12	86.100		0	2.003	86.000	300	1500 C D400
E. 419805.107	1.288						
N. 414691.773							
S13	84.014		0	2.004	84.000	300	1500 B D400
E. 419898.683	2.390						
N. 414671.017							
S14	85.908		0	1.007	81.664	600	1500 A D400
E. 419874.054	3.684						
N. 414699.076							
S15	85.032		0	1.008	81.546	600	1500 A D400
E. 419845.705	4.787						
N. 414692.210							
S16	83.800		0	1.009	81.584	600	1500 B D400
E. 419838.683	1.098						
N. 414661.258							
S17	83.700		0	1.010	81.478	600	1500 B D400
E. 419813.084	1.620						
N. 414695.112							
S18	81.075		0	1.011	80.367	600	1500 B D400
E. 419803.108	1.740						
N. 414692.449							
TANK S18A			0	1.012	78.728	600	1500 C D400
E. 419892.412	1.614						
N. 414695.472							
HW1 Headwall	77.600		0	1.015	78.728	150	Headwall
E. 419896.214	0.700						
N. 414693.849							

FOUL WATER NETWORK

Manhole Number	Cover Level	Depth To Soils	Connections	Code	Pipe	Manhole Size	Type
Coordinates	Depth To Soils	Connections	Code	Inverts	Diams	Manhole	Cover
F1	83.789		0	1.000	84.182	150	1500 C D400
E. 419823.389	1.429						
N. 414705.084							
F2	84.925		0	1.001	83.600	150	1500 C D400
E. 419808.388	1.179						
N. 414703.064							
F3	86.700		0	1.001	83.319	150	1500 A D400
E. 419801.184	3.240						
N. 414703.000							
F4	86.244		0	1.002	82.518	150	1500 A D400
E. 419806.170	3.119						
N. 414703.040							
F5	85.100		0	1.003	82.558	150	1500 B D400
E. 419807.013	2.204						
N. 414695.658							
F6	83.800		0	1.004	82.448	150	1500 C D400
E. 419801.544	1.184						
N. 414695.425							
F7	83.235		0	1.005	82.465	150	1500 C D400
E. 419804.129	0.999						
N. 414691.254							
F8	83.283		0	2.000	80.723	150	1500 A D400
E. 419898.534	3.410						
N. 414706.888							
F9	81.428		0	2.001	80.100	150	1500 B D400
E. 419843.720	2.158						
N. 414772.182							
F10	88.821		0	2.001	86.500	150	1500 B D400
E. 419802.061	2.171						
N. 414692.061							
F11	87.842		0	2.002	86.600	150	1500 B D400
E. 419819.688	2.182						
N. 414692.214							
F12	86.151		0	2.003	84.200	150	1500 B D400
E. 419801.091	1.833						
N. 414695.339							
F13	85.135		0	2.004	84.200	150	1500 B D400
E. 419808.088	2.992						
N. 414671.306							
F14	86.987		0	1.008	81.789	150	1500 A D400
E. 419813.073	4.137						
N. 414671.033							
F15	87.000		0	1.009	81.521	150	1500 A D400
E. 419805.150	0.538						
N. 414694.547							
F16	84.000		0	1.010	81.188	150	1500 B D400
E. 419801.884	2.885						
N. 414692.015							
F17	83.700		0	1.011	81.028	150	1500 B D400
E. 419813.712	2.525						
N. 414695.006							
F18	84.000		0	1.012	80.880	150	1500 B D400
E. 419808.797	2.980						
N. 414670.717							
F19 - NEW COMBINED MH ON EXISTING	80.000		0	1.013	78.542	150 (BS1)	1500 C D400
E. 419879.282	1.300						
N. 414683.137							

DEMARCATION CHAMBERS SCHEDULES

Ref (BSG)	Cover Level	Invert Level	Depth to Invert (mm)	Depth to Soils (mm)	Diameter (mm) Ø	Cover Type	Cover Size	Chamber Type	Lateral Diameter (mm)	Lateral Length (mm)	D'Stream Invert	Lateral Gradient (1 in %)
01	87.100	86.100	1.000	0.850	450	B125	450x450	Type D	150	5.0	85.000x4	10.0
02	86.400	85.200x4	1.170	1.020	450	B125	450x450	Type A	150	4.0	81.000	10.0
03	86.100	84.400	1.700	1.550	450	B125	450x450	Type D	150	4.5	83.950x4	10.0
04	85.450	82.291x4	3.159	3.009	1200	D400	450x450	Type A	150	3.0	81.991	10.0
05	86.600	85.430	1.170	1.020	450	D400	450x450	Type D	150	6.8	84.750	10.0
06	86.800	85.580	1.220	1.120	450	D400	450x450	Type D	150	8.3	84.750	10.0
07	88.075	86.750	1.325	1.175	450	B125	450x450	Type D	150	6.0	88.250	12.0
08	88.150	86.500	1.650	1.575	450	D400	450x450	Type D	150	6.7	86.250	22.3
09	89.450	87.780	1.670	1.220	450	B125	450x450	Type D	150	6.3	87.150	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	91.070x4	10.0
14	93.050	90.140	2.910	2.760	450	B125	450x450	Type D	150	5.0	90.075	76.9
15	84.900	83.000	1.900	0.850	450	B125	450x450	Type D	150	3.0	82.800x4	15.0
16	85.400	83.600	1.790	1.600	450	D400	450x450	Type D	150	3.0	83.300x4	10.0
17	86.540	84.850	1.690	1.540	450	B125	450x450	Type D	150	6.2	84.200x4	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	83.640	2.260	2.110	450	B125	450x450	Type D	150	4.7	83.575	72.3

Demarcation Chambers to be WAVIN OSMIA 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 OSMIA 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 Gens3 concrete bed and surround will be required

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

DEMARCATION CHAMBERS AND LATERAL DRAINS TO BE ADOPTED

Ref (BSG)	Cover Level	Invert Level	Depth to Invert (mm)	Depth to Soils (mm)	Diameter (mm) Ø	Cover Type	Cover Size	Chamber Type	Lateral Diameter (mm)	Lateral Length (mm)	D'Stream Invert	Lateral
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