

Surface Water Domestic Manhole Schedule								
MH Ref.	Cover Level	vert Level	MH Depth (m)	MH Material	MH Size (mm)	MH Cover	Eastg (m)	Northg (m)
cp1+	77.600	76.173	1.427	Plastic	Ø600	B125	521294.692	208249.803
cp1a++	77.800	76.500	1.300	Plastic	Ø600	B125	521312.267	208293.441
cp1b+	77.500	76.202	1.298	Plastic	Ø600	B125	521298.862	208250.806
cp2+	78.150	76.773	1.377	Plastic	Ø600	B125	521281.836	208277.946
cp2a++	78.250	76.900	1.350	Plastic	Ø600	B125	521276.025	208273.214
cp3+	77.900	76.470	1.430	Plastic	Ø600	B125	521289.417	208268.835
cp3a++	77.850	76.610	1.240	Plastic	Ø600	B125	521293.752	208276.654
cp4+	78.130	76.768	1.362	Plastic	Ø600	B125	521288.125	208283.054
cp4a++	78.240	76.940	1.300	Plastic	Ø600	B125	521293.922	208291.998
cp5+	78.050	76.750	1.300	Plastic	Ø600	B125	521319.827	208317.142
cp5a++	77.900	76.860	1.040	Plastic	Ø600	B125	521316.164	208306.790
cp6++	78.050	76.717	1.333	Plastic	Ø600	B125	521320.892	208320.318
cp7+	78.080	76.688	1.392	Plastic	Ø600	B125	521320.537	208323.158
cp8++	78.090	76.790	1.300	Plastic	Ø600	B125	521320.853	208326.984
cp9+	78.000	76.569	1.431	Plastic	Ø600	B125	521313.043	208342.147
cp10++	77.900	76.600	1.300	Plastic	Ø600	B125	521303.998	208346.574
cp11+	77.900	76.419	1.481	Plastic	Ø600	B125	521279.456	208334.906
cp12++	77.900	76.600	1.300	Plastic	Ø600	B125	521275.423	208333.147
cp13+	78.175	76.398	1.777	Plastic	Ø1200	B125	521248.653	208321.303
cp14+	78.250	76.911	1.339	Plastic	Ø600	B125	521252.996	208294.261
cp14a++	78.350	77.050	1.300	Plastic	Ø600	B125	521259.418	208300.405
cp15+	78.250	76.866	1.384	Plastic	Ø600	B125	521238.251	208300.372
cp15a++	78.250	77.050	1.200	Plastic	Ø600	B125	521244.320	208294.005
cp16++	77.500	76.641	0.859	Plastic	Ø600	A15	521261.100	208213.647
cp17++	77.600	76.087	1.513	Plastic	Ø600	A15	521241.392	208224.502
cp18++	78.050	76.689	1.361	Plastic	Ø600	A15	521240.254	208246.380
cp19++	78.150	76.713	1.437	Plastic	Ø600	A15	521242.013	208255.195
Ex SW Mh	78.500	77.300	1.200	Plastic	Ø600	A15	521178.787	208318.096
PS	78.200	74.390	3.810	-	-	B125	521227.089	208304.202
re1	78.115	77.665	0.450	Plastic	RE	A15	521261.198	208268.413
re2	77.610	77.160	0.450	Plastic	RE	A15	521252.673	208213.419
re4	77.505	77.055	0.450	Plastic	RE	A15	521254.579	208221.570
re5	77.895	77.445	0.450	Plastic	RE	A15	521249.851	208236.307
re6	78.000	77.550	0.450	Plastic	RE	A15	521247.075	208253.051
re7	78.000	77.550	0.450	Plastic	RE	A15	521234.697	208248.174
s1++	77.387	76.555	0.832	Plastic	Ø450	A15	521282.596	208205.743
s2++	77.480	76.305	1.175	Plastic	Ø450	A15	521264.650	208188.312
s3	77.480	76.134	1.346	Concrete	Ø900	A15	521254.543	208198.736
s4	77.480	76.095	1.385	Plastic	Ø450	A15	521258.661	208202.903
s5	77.600	76.060	1.540	Plastic	Ø450	A15	521257.311	208208.492
s6++	77.600	75.307	2.293	Concrete	Ø900	A15	521264.106	208215.593
s7+	77.850	75.237	2.613	Concrete	Ø1200	B125	521249.215	208232.944
s8++	77.480	76.340	1.140	Plastic	Ø600	A15	521246.469	208191.041
s9++	77.700	76.547	1.153	Plastic	Ø600	B125	521224.783	208213.334
s10++	77.930	76.930	1.000	Plastic	Ø450	A15	521214.794	208240.550
s11++	77.500	76.665	0.835	Plastic	Ø600	B125	521233.254	208221.574
s12	77.900	75.617	2.283	Plastic	Ø600	B125	521246.932	208234.880
s13++	78.025	75.068	2.957	Concrete	Ø900	A15	521242.650	208250.754
s13a	78.080	75.521	2.559	Plastic	Ø600	A15	521236.916	208245.176
s14++	78.380	77.380	1.000	Plastic	Ø600	A15	521212.363	208307.970
s15++	78.380	77.207	1.173	Plastic	Ø450	A15	521193.800	208289.930
s16	78.380	77.509	0.871	Plastic	Ø450	A15	521204.334	208279.101
s17++	78.380	77.031	1.349	Plastic	Ø450	A15	521195.925	208270.920
s18++	77.950	76.829	1.121	Plastic	Ø450	A15	521217.023	208249.140
s19	78.000	76.169	1.831	Concrete	Ø900	A15	521225.294	208257.195
s20+	78.250	74.995	3.255	Concrete	Ø1200	B125	521242.196	208262.319
s21	78.520	75.163	3.357	Concrete	Ø1200	A15	521217.793	208287.184
s21a++	78.300	74.103	4.197	Concrete	Ø1200	B125	521231.080	208300.169
s21b	78.200	74.440	3.760	Concrete	Ø1200	B125	521238.511	208306.115
s21c	78.900	77.538	1.362	Concrete	Ø1200	B125	521192.035	208297.750
s24++	77.480	76.555	0.925	Concrete	Ø900	A15	521276.666	208219.932
s25++	77.200	76.110	1.090	Plastic	Ø600	A15	521295.235	208238.210
s27++	78.100	77.115	0.985	Plastic	Ø450	B125	521247.388	208256.089
s28++	77.655	76.100	1.555	Plastic	Ø450	B125	521263.805	208239.211
s30	77.800	75.881	1.919	Plastic	Ø600	B125	521277.061	208252.133
s31++	77.500	75.494	2.006	Plastic	Ø600	A15	521284.570	208249.173
s32	77.750	75.870	1.880	Plastic	Ø600	D400	521288.183	208253.260
s33++	77.900	76.859	1.041	Plastic	Ø600	B125	521288.432	208267.359
s33a+	77.900	76.397	1.503	Plastic	Ø600	B125	521286.884	208261.365
s34++	77.700	75.446	2.254	Concrete	Ø900	D400	521293.557	208252.904
s36+	78.200	77.200	1.000	Plastic	Ø450	A15	521284.207	208281.919
s37	78.000	77.100	0.900	Plastic	Ø600	D400	521288.529	208276.840
s39+	77.850	75.428	2.422	Concrete	Ø1200	D400	521303.023	208282.183
s40	78.125	75.522	2.603	Concrete	Ø900	D400	521317.596	208325.570
s41	78.050	75.402	2.648	Concrete	Ø900	D400	521308.503	208341.254
s41a	78.050	75.165	2.885	Concrete	Ø900	D400	521279.635	208328.204
s42	78.300	74.923	3.377	Concrete	Ø1200	D400	521250.175	208314.887
s43	78.225	77.277	0.948	Plastic	Ø600	D400	521250.591	208296.649
s43a++	78.300	76.902	1.398	Plastic	Ø450	D400	521263.097	208309.164
s43b	78.330	77.151	1.179	Plastic	Ø450	D400	521259.503	208305.568
s45	78.265	77.364	0.901	Plastic	Ø450	A15	521250.147	208290.221
s45a+	78.265	77.215	1.050	Plastic	Ø250	A15	521243.176	208286.126
s45b	78.115	77.215	0.900	Plastic	Ø250	A15	521245.252	208284.001
s45c	78.265	77.215	1.050	Plastic	Ø250	A15	521253.105	208285.093
s46	77.403	77.098	0.305	Plastic	Ø250	A15	521257.107	208217.751
s46a	77.600	76.600	1.000	Plastic	Ø250	A15	521249.268	208216.403
s48	77.930	77.436	0.494	Plastic	Ø250	A15	521226.720	208256.374
s49	78.200	77.333	0.867	Plastic	Ø250	A15	521234.039	208263.494
s47	78.600	77.400	1.200	Plastic	Ø450	A15	521268.776	208295.396
s50	78.200	77.358	0.842	Plastic	Ø450	A15	521273.769	208312.816

Surface Water Domestic Pipe Schedule						
Pipe Ref.	Upstream IL	Downstream IL	Pipe Dia. (mm)	Distance (m)	Pipe Gradient 1:X	Pipe Material
cp1+ - s34++	76.573	76.540	150	3.302	1:100.0	Plastic
cp1a++ - cp1b+	76.900	76.602	150	44.693	1:150.0	Plastic
cp1b+ - cp1+	76.602	76.573	150	4.289	1:150.0	Plastic
cp2+ - s37	77.173	77.100	150	6.784	1:92.7	Plastic
cp2a++ - cp2+	77.300	77.223	100	7.495	1:97.2	Plastic
cp3+ - s33++	76.870	76.850	150	1.774	1:150.0	Plastic
cp3a++ - cp3+	77.010	76.920	100	8.940	1:100.0	Plastic
cp4+ - s37	77.168	77.100	150	6.227	1:90.6	Plastic
cp4a++ - cp4+	77.340	77.218	100	10.658	1:87.7	Plastic
cp5+ - cp6++	77.150	77.117	100	3.350	1:100.0	Plastic
cp5a++ - cp5+	77.260	77.150	100	10.981	1:100.0	Plastic
cp6++ - cp7+	77.117	77.088	100	2.862	1:100.0	Plastic
cp7+ - s40	77.088	77.050(bd)	100	3.803	1:100.0	Plastic
cp8++ - cp9+	77.190	77.019	100	17.056	1:100.0	Plastic
cp9+ - s41	76.969	76.923(bd)	150	4.627	1:100.0	Plastic
cp10++ - cp11+	77.000	76.819	150	27.175	1:150.0	Plastic
cp11+ - s41a	76.819	76.752(bd)	150	6.704	1:100.0	Plastic
cp12++ - cp13+	77.000	76.798	150	29.273	1:145.1	Plastic
cp13+ - s42	76.798	76.733(bd)	150	6.594	1:100.8	Plastic
cp14+ - s43	77.311	77.277	150	3.390	1:100.0	Plastic
cp14a++ - cp14+	77.450	77.361	100	8.887	1:100.0	Plastic
cp15+ - s21b	77.266	77.208(bd)	100	5.748	1:100.0	Plastic
cp15a++ - cp15+	77.350	77.266	150	8.796	1:104.3	Plastic
cp16++ - (s5-s6)	77.041	75.936	100	0.693	1:0.6	Plastic
cp17++ - s12	76.487	75.667	100	11.764	1:14.3	Plastic
cp18++ - (s13a-s13)	77.089	75.550	100	1.464	1:1.0	Plastic
cp19++ - (s13-CS2)	77.113	75.500	100	2.640	1:1.6	Plastic
CS1 - s7+	75.700	75.637	225	10.724	1:170.0	Plastic
CS2 - s20+	75.430	75.395	150	5.277	1:150.0	Plastic
CS3 - s39+	75.835	75.828	225	1.684	1:225.0	Plastic
PS - s21c	74.390	77.538	225	35.643	-1:11.3	Plastic
re1 - s30	77.665	76.181	150	22.731	1:15.3	Plastic
re2 - s46	77.160	77.098	100	6.199	1:100.0	Plastic
re4 - s46a	77.055	76.600	100	7.410	1:16.3	Plastic
re5 - cp18++	77.445	77.089	100	13.913	1:39.1	Plastic
re6 - cp18++	77.550	77.089	100	9.541	1:20.7	Plastic
re7 - s48	77.550	77.436	100	11.440	1:100.0	Plastic
s11+ - s2++	76.955	76.705	225	25.018	1:100.0	Plastic
s2++ - s3	76.705	76.134	225	14.520	1:25.4	Plastic
s3 - s4	76.134	76.095	225	5.859	1:149.7	Plastic
s4 - s5	76.095	76.060	225	5.749	1:162.7	Plastic
s5 - s6++	76.060	75.707	225	9.829	1:27.9	Plastic
s6++ - CS1	75.707	75.700	225	1.100	1:150.0	Plastic