Network Details

Manhole Schedule

Manhole	Catchment Area (ha)	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
RWP47G	0.000	0.180	Type E	5.826	5.350	0.376	488856.189	98363.304
RE47A	0.000	0.180	Type E	5.832	5.300	0.432	488856.036	98362.229
RWP47F	0.000	0.180	Type E	5.878	5.300	0.478	488864.619	98362.349
PS156	0.000	0.450	450	5.879	5.175	0.604	488865.388	98361.318
PS155	0.000	0.450	450	6.013	5.025	0.888	488876.449	98368.096
PS154	0.000	0.450	450	6.014	4.920	0.994	488877.474	98378.152
RWP47A	0.000	0.180	Type E	5.928	5.300	0.528	488858.167	98380.591
RE47B	0.000	0.180	Type E	5.946	5.200	0.646	488858.708	98381.397
PS153	0.000	0.450	450	6.035	4.775	1.110	488868.610	98380.373
S87	0.080	1.350	Type C	5.901	4.600	1.076	488869.425	98385.381
S95 (D)	0.063	1.350	Type E	5.731	5.050	0.531	488886.093	98361.103
S96	0.102	1.350	Type C	5.749	4.435	1.014	488888.587	98383.326
YG53A	0.000	0.180	Type E	5.825	5.200	0.525	488900.472	98346.177
PS161	0.000	0.450	450	5.839	5.000	0.739	488904.388	98343.468
RWP53G	0.000	0.180	Type E	5.950	5.200	0.650	488914.608	98361.381
RE53B	0.000	0.180	Type E	5.944	4.850	0.994	488914.932	98360.724
PS162	0.000	0.450	450	5.837	4.650	1.037	488914.385	98350.080
S102	0.039	1.350	Type C	5.616	4.415	0.901	488920.546	98350.818
S88	0.000	1.350	Type C	5.492	4.255	0.862	488923.751	98379.823
S89	0.000	1.350	Type C	5.542	4.230	0.937	488931.958	98387.515
S126 (D)	0.005	1.350	Type E	5.725	5.050	0.525	488927.090	98392.307
S124 (D)	0.004	1.350	Type E	5.837	5.150	0.537	488929.442	98405.678
S125	0.044	1.350	Type C	5.651	4.200	1.076	488934.151	98400.612
S122 (D)	0.004	1.350	Type E	5.941	5.250	0.541	488931.156	98416.984
S132	0.000	1.350	Type C	5.893	4.543	1.200	488938.940	98429.834
S90	0.000	1.350	Type C	5.839	4.150	1.314	488937.903	98423.147
S107	0.000	0.000	Type C	5.050	4.125	0.550	488947.501	98423.195
S100	0.034	1.350	Type C	5.321	4.600	0.421	488971.883	98441.262
S101	0.024	0.000	Type C	5.050	4.470	0.280	488965.169	98441.893
S108	0.032	0.000	Type C	5.050	4.075	0.600	488946.142	98442.616
S121	0.000	1.350	Type E	5.907	4.050	1.482	488936.416	98445.761
S110	0.062	0.000	Type C	5.050	4.000	0.675	488913.881	98447.375
RWP100A	0.000	0.180	Type E	5.631	5.000	0.531	488849.906	98335.188
RE100B	0.000	0.180	Type E	5.619	4.900	0.619	488851.375	98334.125
PS151	0.000	0.450	450	5.598	4.700	0.798	488858.669	98343.136
RWP100B	0.000	0.180	Type E	5.631	5.000	0.531	488842.752	98341.378
RE100A	0.000	0.180	Type E	5.706	4.600	1.006	488841.438	98342.013
YG47A	0.000	0.180	Type E	5.687	5.100	0.487	488852.571	98357.940
ACO101A	0.000	0.180	Type E	5.547	4.547	0.900	488853.080	98353.545
PS150	0.000	0.450	450	5.652	4.350	1.152	488848.578	98352.565
S83	0.045	1.350	Type C	5.512	4.060	1.152	488842.209	98356.510
RWP104A	0.000	0.180	Type E	5.499	4.900	0.499	488825.715	98360.623
YG104A	0.000	0.180	Type E	5.479	4.900	0.479	488824.651	98360.874
PS141	0.000	0.250	250	5.473	4.800	0.573	488824.890	98361.938
PS142	0.000	0.450	450	5.520	4.600	0.820	488832.246	98372.864
RWP104C	0.000	0.180	Type E	5.517	4.900	0.517	488834.032	98355.190
RE104A	0.000	0.180	Type E	5.625	4.800	0.725	488835.990	98354.415
PS143	0.000	0.450	450	5.696	4.350	1.196	488843.104	98367.110
S84	0.053	1.350	Type C	5.570	4.005	1.265	488847.101	98366.956
RWP44A	0.000	0.180	Type E	5.849	5.300	0.449	488838.598	98405.408
RE44A	0.000	0.180	Type E	5.822	5.200	0.522	488838.925	98406.224
PS122	0.000	0.450	450	5.889	5.000	0.789	488855.301	98401.582
RWP44C	0.000	0.180	Type E	5.873	5.300	0.473	488835.766	98396.524
RE44B	0.000	0.180	Type E	5.885	5.000	0.785	488835.417	98394.069
PS123	0.000	0.450	450	6.078	4.750	1.178	488853.844	98388.697
S112	0.000	1.350	Type C	5.941	4.628	1.163	488855.525	98384.356
S85	0.037	1.350	Type C	5.620	3.975	1.345	488844.578	98376.179
S86	0.084	1.350	Type C	5.441	3.885	1.256	488820.640	98389.136
YG115A	0.000	0.180	Type E	5.688	5.200	0.388	488764.029	98346.980
RWP/ACO113B	0.000	0.180	Type E	5.422	4.800	0.522	488764.473	98350.109
PS140	0.000	0.450	450	5.453	4.700	0.653	488764.830	98348.992
PS139	0.000	0.450	450	5.464	4.500	0.864	488782.080	98357.979
RWP113A	0.000	0.180	Type E	5.396	4.800	0.496	488760.092	98358.578
RE113A	0.000	0.180	Type E	5.553	4.700	0.753	488759.476	98359.588

Manhole Schedule

Manhole	Catchment Area (ha)	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
PS137	0.000	0.450	450	5.493	4.300	1.043	488776.988	98368.238
S74 (D)	0.046	1.350	Type E	5.553	4.725	0.678	488784.767	98366.834
S75	0.057	1.350	Type C	5.450	3.925	1.225	488779.867	98375.511
RWP117B	0.000	0.180	Type E	5.374	5.000	0.274	488798.051	98368.290
RE117A	0.000	0.180	Type E	5.359	4.900	0.359	488799.117	98367.522
PS134	0.000	0.450	450	5.464	4.450	0.864	488814.946	98381.193
RWP117A	0.000	0.180	Type E	5.386	5.000	0.286	488791.844	98375.262
RE117B	0.000	0.180	Type E	5.512	4.900	0.512	488790.338	98377.114
PS135	0.000	0.450	450	5.427	4.200	1.077	488806.899	98390.405
S76	0.000	1.350	Type C	5.323	3.835	1.188	488798.220	98390.007
S77	0.000	1.350	Type C	5.336	3.730	1.231	488797.379	98398.548
S78	0.000	1.350	Type C	5.381	3.696	1.310	488786.655	98402.821
RWP15A	0.000	0.180	Type E	5.797	5.300	0.397	488811.058	98420.858
RE14A	0.017	0.180	Type E	5.741	5.200	0.441	488812.216	98419.991
PS95	0.000	0.450	450	5.736	5.000	0.636	488807.710	98404.401
RWP14B	0.000	0.180	Type E	5.899	5.300	0.499	488799.130	98413.698
RE13A	0.000	0.180	Type E	5.910	5.200	0.610	488798.644	98413.976
PS94	0.000	0.450	450	5.915	4.700	1.065	488796.540	98407.614
RWP10A	0.000	0.180	Type E	5.649	5.100	0.449	488772.121	98432.409
RE10A	0.017	0.180	Type E	5.640	5.050	0.490	488771.283	98432.548
PS4	0.000	0.450	450	5.736	4.850	0.786	488766.667	98416.820
RWP12B	0.000	0.180	Type E	5.657	5.100	0.457	488776.547	98414.532
PS5	0.000	0.450	450	5.673	4.700	0.823	488777.038	98413.856
S79	0.067	1.350	Type C	5.488	3.670	1.443	488785.688	98412.120
RWP16A	0.000	0.180	Type E	5.699	5.200	0.399	488811.643	98422.597
RE16A	0.017	0.180	Type E	5.674	5.100	0.474	488813.032	98422.762
PS98	0.000	0.450	450	5.628	4.900	0.628	488817.614	98438.283
RWP17D	0.000	0.180	Type E	5.850	5.200	0.550	488804.172	98430.224
RWP17C	0.000	0.180	Type E	5.799	5.200	0.499	488805.555	98435.106
RE17A	0.000	0.180	Type E	5.781	4.800	0.881	488805.047	98435.469
RWP18B	0.000	0.180	Type E	5.707	5.200	0.407	488807.227	98440.473
PS99	0.000	0.450	450	5.699	4.550	0.999	488806.985	98442.236
RWP9A	0.000	0.180	Type E	5.563	5.000	0.463	488772.545	98434.199
RE9A	0.017	0.180	Type E	5.555	4.950	0.505	488771.929	98434.970
PS7	0.000	0.450	450	5.536	4.600	0.836	488776.631	98450.632
RWP7B	0.000	0.180	Type E	5.663	5.100	0.463	488784.514	98441.368
PS12	0.000	0.180	Type E	5.644	5.000	0.544	488785.029	98441.108
PS8	0.000	0.450	450	5.571	4.400	1.071	488786.954	98447.745
S105	0.000	1.350	Type C	5.287	3.570	1.342	488795.746	98445.803
PS119	0.000	0.180	Type E	6.000	5.400	0.500	488925.830	98419.428
PS120	0.000	0.450	450	5.983	5.200	0.683	488906.951	98421.048
RWP32C	0.000	0.180	Type E	6.005	5.450	0.455	488926.545	98429.917
RE32B	0.000	0.450	450	6.017	5.300	0.617	488926.877	98432.261
S127 (D)	0.033	1.350	Type E	5.825	5.200	0.475	488900.156	98431.976
PS118	0.000	0.450	450	5.881	4.700	1.081	488901.249	98435.043
S91	0.029	1.350	Type C	5.912	4.487	1.200	488927.514	98442.605
S128	0.000	1.350	Type C	5.733	4.307	1.202	488900.547	98440.596
RWP28C	0.000	0.180	Type E	5.853	5.300	0.453	488898.521	98421.038
RE28B	0.000	0.180	Type E	5.846	5.200	0.546	488898.079	98419.963
PS117	0.000	0.450	450	5.828	4.800	0.928	488881.610	98421.078
RWP28A	0.000	0.180	Type E	5.847	5.300	0.447	488899.340	98430.337
RE28A	0.000	0.180	Type E	5.866	5.200	0.566	488899.028	98433.064
S129 (D)	0.024	1.350	Type E	5.671	5.050	0.471	488878.321	98432.572
PS115	0.000	0.450	450	5.739	4.500	1.089	488879.093	98435.169
S92	0.021	1.350	Type C	5.600	4.090	1.211	488879.250	98440.438
RWP25B	0.000	0.180	Type E	5.703	5.000	0.603	488876.744	98422.359
RE25A	0.000	0.180	Type E	5.723	4.900	0.723	488876.592	98421.529
PS114	0.000	0.450	450	5.667	4.750	0.817	488864.908	98422.359
RWP25A	0.000	0.180	Type E	5.668	5.200	0.368	488877.498	98431.662
RE25B	0.000	0.180	Type E	5.693	5.000	0.593	488877.153	98433.539
S130 (D)	0.020	1.350	Type E	5.508	4.950	0.408	488861.857	98432.425
PS111	0.000	0.450	450	5.631	4.500	0.981	488863.366	98436.295
S93	0.051	1.350	Type C	5.498	4.019	1.178	488863.495	98441.585
RWP23A	0.000	0.180	Type E	5.536	5.000	0.436	488859.287	98423.535
RE23A	0.000	0.180	Type E	5.553	4.900	0.553	488859.233	98422.639
PS108	0.000	0.450	450	5.533	4.700	0.733	488847.813	98424.818
RWP23C	0.000	0.180	Type E	5.520	5.000	0.420	488861.065	98432.697
PS110	0.000	0.180	Type E	5.560	4.621	0.840	488860.925	98434.829

Manhole Schedule

Manhole	Catchment Area (ha)	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
S131 (D)	0.021	1.350	Type E	5.407	4.850	0.407	488844.729	98435.276
PS109	0.000	0.450	450	5.516	4.450	0.916	488846.096	98438.505
S94	0.032	1.350	Type C	5.387	3.943	1.145	488846.401	98443.802
S135	0.000	1.350	Type C	5.201	3.747	1.154	488816.662	98448.344
RE5A	0.000	0.180	Type E	5.536	4.850	0.586	488748.676	98445.503
PS1	0.000	0.450	450	5.533	4.720	0.714	488761.079	98441.508
RWP5A	0.000	0.180	Type E	5.298	4.900	0.298	488753.441	98455.525
RE5B	0.000	0.180	Type E	5.358	4.650	0.608	488755.472	98456.170
RWP6B	0.000	0.180	Type E	5.589	4.900	0.589	488763.099	98452.169
PS2	0.000	0.450	450	5.495	4.433	0.913	488765.006	98452.991
S82	0.048	1.350	Type C	5.158	3.811	1.122	488778.549	98460.891
S80	0.000	1.350	Type C	5.173	3.546	1.251	488798.029	98453.531
S81	0.000	0.000	Type C	5.050	3.525	1.150	488800.134	98460.617
S97	0.138	1.350	Type C	5.050	3.450	1.300	488778.703	98480.647
S98	0.000	1.200	Type E	5.018	3.400	1.393	488779.144	98486.385
S99	0.000	0.000	Type C	4.180	3.350	0.605	488781.346	98496.756

Pipe Schedule

Pipe Number	US Manhole	US IL (m)	DS Manhole	DS IL (m)	Shape	Dimension (m)	Length (m)	Gradient (1:x)	Roughness (mm)	US Depth To Soffit (m)	DS Depth To Soffit (m)
1.000	RWP47G	5.350	RE47A	5.300	Circ	0.1mØ	1.087	21.7	0.600	0.376	0.432
1.001	RE47A	5.300	PS156	5.175	Circ	0.1mØ	9.396	75.2	0.600	0.432	0.604
2.000	RWP47F	5.300	PS156	5.175	Circ	0.1mØ	1.286	10.3	0.600	0.478	0.604
1.002	PS156	5.175	PS155	5.025	Circ	0.1mØ	12.973	86.5	0.600	0.604	0.888
1.003	PS155	5.025	PS154	4.920	Circ	0.1mØ	10.108	96.3	0.600	0.888	0.994
1.004	PS154	4.920	PS153	4.825	Circ	0.1mØ	9.138	96.2	0.600	0.994	1.110
3.000	RWP47A	5.300	RE47B	5.200	Circ	0.1mØ	0.971	9.7	0.600	0.528	0.646
3.001	RE47B	5.200	PS153	4.825	Circ	0.1mØ	9.955	26.5	0.600	0.646	1.110
1.005	PS153	4.775	S87	4.675	Circ	0.15mØ	5.074	50.7	0.600	1.110	1.076
1.006	S87	4.600	S96	4.510	Circ	0.225mØ	19.272	214.1	0.600	1.076	1.014
4.000	S95 (D)	5.050	S96	4.585	Circ	0.15mØ	22.363	48.1	0.600	0.531	1.014
1.007	S96	4.435	S88	4.330	Circ	0.3mØ	35.338	336.6	0.600	1.014	0.862
5.000	YG53A	5.200	PS161	5.000	Circ	0.1mØ	4.761	23.8	0.600	0.525	0.739
5.001	PS161	5.000	PS162	4.700	Circ	0.1mØ	11.986	40.0	0.600	0.739	1.037
6.000	RWP53G	5.200	RE53B	4.850	Circ	0.1mØ	0.733	2.1	0.600	0.650	0.994
6.001	RE53B	4.850	PS162	4.700	Circ	0.1mØ	10.658	71.1	0.600	0.994	1.037
5.002	PS162	4.650	S102	4.565	Circ	0.15mØ	6.204	73.0	0.600	1.037	0.901
5.003	S102	4.415	S88	4.330	Circ	0.3mØ	29.182	343.3	0.600	0.901	0.862
1.008	S88	4.255	S89	4.230	Circ	0.375mØ	11.248	449.9	0.600	0.862	0.937
1.009	S89	4.230	S125	4.200	Circ	0.375mØ	13.280	442.7	0.600	0.937	1.076
7.000	S126 (D)	5.050	S125	4.425	Circ	0.15mØ	10.901	17.4	0.600	0.525	1.076
8.000	S124 (D)	5.150	S125	4.425	Circ	0.15mØ	6.916	9.5	0.600	0.537	1.076
1.010	S125	4.200	S90	4.150	Circ	0.375mØ	22.845	456.9	0.600	1.076	1.314
9.000	S122 (D)	5.250	S90	4.375	Circ	0.15mØ	9.138	10.4	0.600	0.541	1.314
10.000	S132	4.543	S90	4.375	Circ	0.15mØ	6.767	40.3	0.600	1.200	1.314
1.011	S90	4.150	S107	4.125	Circ	0.375mØ	9.599	384.0	0.600	1.314	0.550
1.012	S107	4.125	S108	4.075	Circ	0.375mØ	19.469	389.4	0.600	0.550	0.600
11.000	S100	4.600	S101	4.470	Circ	0.3mØ	6.744	51.9	0.600	0.421	0.280
11.001	S101	4.470	S108	4.150	Circ	0.3mØ	19.041	59.5	0.600	0.280	0.600
1.013	S108	4.075	S121	4.050	Circ	0.375mØ	10.222	408.9	0.600	0.600	1.482
1.014	S121	4.050	S110	4.000	Circ	0.375mØ	22.593	451.9	0.600	1.482	0.675
1.015	S110	4.000	S97	3.450	Circ	0.375mØ	139.212	253.1	0.600	0.675	1.225
12.000	RWP100A	5.000	RE100B	4.900	Circ	0.1mØ	1.814	18.1	0.600	0.531	0.619
12.001	RE100B	4.900	PS151	4.700	Circ	0.1mØ	11.592	58.0	0.600	0.619	0.798
12.002	PS151	4.700	PS150	4.400	Circ	0.1mØ	13.811	46.0	0.600	0.798	1.152
13.000	RWP100B	5.000	RE100A	4.600	Circ	0.1mØ	1.459	3.6	0.600	0.531	1.006
13.001	RE100A	4.600	PS150	4.400	Circ	0.1mØ	12.741	63.7	0.600	1.006	1.152
14.000	YG47A	5.100	PS150	4.400	Circ	0.1mØ	6.696	9.6	0.600	0.487	1.152
15.000	ACO101A	4.547	PS150	4.400	Circ	0.1mØ	4.608	31.4	0.600	0.900	1.152
12.003	PS150	4.350	S83	4.210	Circ	0.15mØ	7.491	53.5	0.600	1.152	1.152
12.004	S83	4.060	S84	4.005	Circ	0.3mØ	11.535	209.7	0.600	1.152	1.265
16.000	RWP104A	4.900	PS141	4.800	Circ	0.1mØ	1.552	15.5	0.600	0.499	0.573
17.000	YG104A	4.900	PS141	4.800	Circ	0.1mØ	1.090	10.9	0.600	0.479	0.573
16.001	PS141	4.800	PS142	4.600	Circ	0.1mØ	13.172	65.9	0.600	0.573	0.820
16.002	PS142	4.600	PS143	4.400	Circ	0.1mØ	12.289	61.4	0.600	0.820	1.196

Pipe Schedule

Pipe Number	US Manhole	US IL (m)	DS Manhole	DS IL (m)	Shape	Dimension (m)	Length (m)	Gradient (1:x)	Roughness (mm)	US Depth To Soffit (m)	DS Depth To Soffit (m)
18.000	RWP104C	4.900	RE104A	4.800	Circ	0.1mØ	2.107	21.1	0.600	0.517	0.725
18.001	RE104A	4.800	PS143	4.400	Circ	0.1mØ	14.553	36.4	0.600	0.725	1.196
16.003	PS143	4.350	S84	4.155	Circ	0.15mØ	4.000	20.5	0.600	1.196	1.265
12.005	S84	4.005	S85	3.975	Circ	0.3mØ	9.562	318.7	0.600	1.265	1.345
19.000	RWP44A	5.300	RE44A	5.200	Circ	0.1mØ	0.880	8.8	0.600	0.449	0.522
19.001	RE44A	5.200	PS122	5.000	Circ	0.1mØ	17.021	85.1	0.600	0.522	0.789
19.002	PS122	5.000	PS123	4.800	Circ	0.1mØ	12.967	64.8	0.600	0.789	1.178
20.000	RWP44C	5.300	RE44B	5.000	Circ	0.1mØ	2.480	8.3	0.600	0.473	0.785
20.001	RE44B	5.000	PS123	4.800	Circ	0.1mØ	19.194	96.0	0.600	0.785	1.178
19.003	PS123	4.750	S112	4.628	Circ	0.15mØ	4.655	38.2	0.600	1.178	1.163
19.004	S112	4.628	S85	4.125	Circ	0.15mØ	13.663	27.2	0.600	1.163	1.345
12.006	S85	3.975	S86	3.885	Circ	0.3mØ	27.220	302.4	0.600	1.345	1.256
12.007	S86	3.885	S77	3.805	Circ	0.3mØ	25.093	313.7	0.600	1.256	1.231
21.000	YG115A	5.200	PS140	4.700	Circ	0.1mØ	2.165	4.3	0.600	0.388	0.653
22.000		4.800	PS140	4.700	Circ	0.1mØ	1.173	11.7	0.600	0.522	0.653
21.001	PS140	4.700	PS139	4.500	Circ	0.1mØ	19.451	97.3	0.600	0.653	0.864
21.002	PS139	4.500	PS137	4.350	Circ	0.1mØ	11.454	76.4	0.600	0.864	1.043
23.000	RWP113A	4.800	RE113A	4.700	Circ	0.1mØ	1.183	11.8	0.600	0.496	0.753
23.001	RE113A	4.700	PS137	4.350	Circ	0.1mØ	19.532	55.8	0.600	0.753	1.043
21.003	PS137	4.300	S75	4.075	Circ	0.15mØ	7.821	34.8	0.600	1.043	1.225
24.000	S74 (D)	4.725	S75	4.075	Circ	0.15mØ	9.965	15.3	0.600	0.678	1.225
21.004	S75	3.925	S76	3.835	Circ	0.3mØ	23.388	259.9	0.600	1.225	1.188
25.000	RWP117B	5.000	RE117A	4.900	Circ	0.1mØ	1.313	13.1	0.600	0.274	0.359
25.001	RE117A	4.900	PS134	4.500	Circ	0.1mØ	20.915	52.3	0.600	0.359	0.864
25.002	PS134	4.450	PS135	4.200	Circ	0.15mØ	12.232	48.9	0.600	0.864	1.077
26.000	RWP117A	5.000	RE117B	4.900	Circ	0.1mØ	2.387	23.9	0.600	0.286	0.512
26.001	RE117B	4.900	PS135	4.250	Circ	0.1mØ	21.235	32.7	0.600	0.512	1.077
25.003	PS135	4.200	S76	3.985	Circ	0.15mØ	8.689	40.4	0.600	1.077	1.188
21.005	S76	3.835	S77	3.805	Circ	0.3mØ	8.582	286.1	0.600	1.188	1.231
12.008	S77	3.730	S78	3.696	Circ	0.375mØ	11.544	339.5	0.600	1.231	1.310
12.009	S78	3.696	S79	3.670	Circ	0.375mØ	9.349	359.6	0.600	1.310	1.443
27.000	RWP15A	5.300	RE14A	5.200	Circ	0.1mØ	1.447	14.5	0.600	0.397	0.441
27.001	RE14A	5.200	PS95	5.000	Circ	0.1mØ	16.228	81.1	0.600	0.441	0.636
27.002	PS95	5.000	PS94	4.750	Circ	0.1mØ	11.623	46.5	0.600	0.636	1.065
28.000	RWP14B	5.300	RE13A	5.200	Circ	0.1mØ	0.560	5.6	0.600	0.499	0.610
28.001	RE13A	5.200	PS94	4.750	Circ	0.1mØ	6.701	14.9	0.600	0.610	1.065
27.003	PS94	4.700	S79	3.895	Circ	0.15mØ	11.750	14.6	0.600	1.065	1.443
29.000	RWP10A	5.100	RE10A	5.050	Circ	0.1mØ	0.849	17.0	0.600	0.449	0.490
29.001	RE10A	5.050	PS4	4.850	Circ	0.1mØ	16.391	82.0	0.600	0.490	0.786
29.002	PS4	4.850	PS5	4.750	Circ	0.1mØ	10.786	107.9	0.600	0.786	0.823
30.000	RWP12B	5.100	PS5	4.750	Circ	0.1mØ	0.835	2.4	0.600	0.457	0.823
29.003	PS5	4.700	S79	3.895	Circ	0.15mØ	8.823	11.0	0.600	0.823	1.443
12.010	S79	3.670	S105	3.570	Circ	0.375mØ	35.153	351.5	0.600	1.443	1.342
31.000	RWP16A	5.200	RE16A	5.100	Circ	0.1mØ	1.399	14.0	0.600	0.399	0.474
31.001	RE16A	5.100	PS98	4.900	Circ	0.1mØ	16.183	80.9	0.600	0.474	0.628
31.002	PS98	4.900	PS99	4.600	Circ	0.1mØ	11.340	37.8	0.600	0.628	0.999
32.000	RWP17D	5.200	RE17A	4.800	Circ	0.1mØ	5.317	13.3	0.600	0.550	0.881
33.000	RWP17C	5.200	RE17A	4.800	Circ	0.1mØ	0.624	1.6	0.600	0.499	0.881
32.001	RE17A	4.800	PS99	4.600	Circ	0.1mØ	7.039	35.2	0.600	0.881	0.999
34.000	RWP18B	5.200	PS99	4.600	Circ	0.1mØ	1.780	3.0	0.600	0.407	0.999
31.003	PS99	4.550	S105	3.795	Circ	0.15mØ	11.792	15.6	0.600	0.999	1.342
35.000	RWP9A	5.000	RE9A	4.950	Circ	0.1mØ	0.987	19.7	0.600	0.463	0.505
35.001	RE9A	4.950	PS7	4.600	Circ	0.1mØ	16.353	46.7	0.600	0.505	0.836
35.002	PS7	4.600	PS8	4.400	Circ	0.1mØ	10.718	53.6	0.600	0.836	1.071
36.000	RWP7B	5.100	PS12	5.000	Circ	0.1mØ	0.577	5.8	0.600	0.463	0.544
36.001	PS12	5.000	PS8	4.400	Circ	0.1mØ	6.910	11.5	0.600	0.544	1.071
35.003	PS8	4.400	S105	3.795	Circ	0.15mØ	9.004	14.9	0.600	1.021	1.342
12.011	S105	3.570	S80	3.546	Circ	0.375mØ	8.059	342.9	0.600	1.342	1.251
37.000	PS119	5.400	PS120	5.200	Circ	0.1mØ	18.948	94.7	0.600	0.500	0.683
37.001	PS120	5.200	PS118	4.750	Circ	0.1mØ	15.112	33.6	0.600	0.683	1.031
38.000	RWP32C	5.450	RE32B	5.300	Circ	0.1mØ	2.366	15.8	0.600	0.455	0.617
38.001	RE32B	5.300	PS118	4.700	Circ	0.1mØ	25.779	43.0	0.600	0.617	1.081
39.000	S127 (D)	5.200	PS118	4.700	Circ	0.15mØ	3.256	6.5	0.600	0.475	1.031
37.002	PS118	4.700	S128	4.381	Circ	0.15mØ	5.597	17.6	0.600	1.031	1.202
40.000	S91	4.487	S128	4.307	Circ	0.225mØ	27.042	150.0	0.600	1.200	1.202
37.003	S128	4.307	S92	4.165	Circ	0.225mØ	21.297	150.0	0.600	1.202	1.211
41.000	RWP28C	5.300	RE28B	5.200	Circ	0.1mØ	1.162	11.6	0.600	0.453	0.546
41.001	RE28B	5.200	PS117	4.800	Circ	0.1mØ	16.507	41.3	0.600	0.546	0.928

Pipe Schedule

Pipe Number	US Manhole	US IL (m)	DS Manhole	DS IL (m)	Shape	Dimension (m)	Length (m)	Gradient (1:x)	Roughness (mm)	US Depth To Soffit (m)	DS Depth To Soffit (m)
41.002	PS117	4.800	PS115	4.550	Circ	0.1mØ	14.314	57.3	0.600	0.928	1.089
42.000	RWP28A	5.300	RE28A	5.200	Circ	0.1mØ	2.744	27.4	0.600	0.447	0.566
42.001	RE28A	5.200	PS115	4.550	Circ	0.1mØ	20.046	30.8	0.600	0.566	1.089
43.000	S129 (D)	5.050	PS115	4.500	Circ	0.15mØ	2.710	4.9	0.600	0.471	1.089
41.003	PS115	4.500	S92	4.240	Circ	0.15mØ	5.271	20.3	0.600	1.089	1.210
37.004	S92	4.090	S93	4.019	Circ	0.3mØ	15.797	225.0	0.600	1.211	1.178
44.000	RWP25B	5.000	RE25A	4.900	Circ	0.1mØ	0.844	8.4	0.600	0.603	0.723
44.001	RE25A	4.900	PS114	4.750	Circ	0.1mØ	11.714	78.1	0.600	0.723	0.817
44.002	PS114	4.750	PS111	4.550	Circ	0.1mØ	14.021	70.1	0.600	0.817	0.981
45.000	RWP25A	5.200	RE25B	5.000	Circ	0.1mØ	1.909	9.5	0.600	0.368	0.593
45.001	RE25B	5.000	PS111	4.550	Circ	0.1mØ	14.060	31.2	0.600	0.593	0.981
46.000	S130 (D)	4.950	PS111	4.500	Circ	0.15mØ	4.154	9.2	0.600	0.408	0.981
44.003	PS111	4.500	S93	4.169	Circ	0.15mØ	5.291	16.0	0.600	0.981	1.178
37.005	S93	4.019	S94	3.943	Circ	0.3mØ	17.238	225.0	0.600	1.178	1.145
47.000	RWP23A	5.000	RE23A	4.900	Circ	0.1mØ	0.897	9.0	0.600	0.436	0.553
47.001	RE23A	4.900	PS108	4.700	Circ	0.1mØ	11.625	58.1	0.600	0.553	0.733
47.002	PS108	4.700	PS109	4.500	Circ	0.1mØ	13.795	69.0	0.600	0.733	0.916
48.000	RWP23C	5.000	PS110	4.621	Circ	0.1mØ	2.137	5.6	0.600	0.420	0.840
48.001	PS110	4.621	PS109	4.500	Circ	0.1mØ	15.278	126.6	0.600	0.840	0.916
49.000	S131 (D)	4.850	PS109	4.450	Circ	0.15mØ	3.507	8.8	0.600	0.407	0.916
47.003	PS109	4.450	S94	4.093	Circ	0.15mØ	5.305	14.8	0.600	0.916	1.145
37.006	S94	3.943	S135	3.833	Circ	0.3mØ	30.083	275.0	0.600	1.145	1.068
37.007	S135	3.747	S80	3.622	Circ	0.3mØ	19.342	153.9	0.600	1.154	1.251
50.000	RE5A	4.850	PS1	4.720	Circ	0.1mØ	13.031	100.0	0.600	0.586	0.714
50.001	PS1	4.720	PS2	4.483	Circ	0.1mØ	12.136	51.2	0.600	0.714	0.913
51.000	RWP5A	4.900	RE5B	4.650	Circ	0.1mØ	2.131	8.5	0.600	0.298	0.608
51.001	RE5B	4.650	PS2	4.550	Circ	0.1mØ	10.049	100.0	0.600	0.608	0.846
52.000	RWP6B	4.900	PS2	4.483	Circ	0.1mØ	2.076	5.0	0.600	0.589	0.913
50.002	PS2	4.433	S82	3.886	Circ	0.15mØ	15.679	28.7	0.600	0.913	1.122
50.003	S82	3.811	S80	3.696	Circ	0.225mØ	20.825	182.7	0.600	1.122	1.251
12.012	S80	3.546	S81	3.525	Circ	0.375mØ	7.392	343.8	0.600	1.251	1.150
12.013	S81	3.525	S97	3.450	Circ	0.375mØ	29.334	391.1	0.600	1.150	1.225
1.016	S97	3.450	S98	3.400	Circ	0.3mØ	5.755	115.1	0.600	1.300	1.318
1.017	S98	3.400	S99	3.350	Circ	0.225mØ	10.602	212.0	0.600	1.393	0.605

Permeable Paving Schedule

Permeable Paving	Assigned Manhole	Effective Storage Volume (m3)	CL (m)	IL (m)	Storage Infil Rate (m/hr)	Safety Factor	Easting (m)	Northing (m)
S95	S95 (D)	84.436	5.731	5.151	0.00000000	2.00	488875.452	98355.340
S126	S126 (D)	6.855	5.725	5.145	0.00000000	2.00	488926.065	98396.913
S124	S124 (D)	5.180	5.837	5.257	0.00000000	2.00	488928.071	98409.078
S122	S122 (D)	5.751	5.941	5.361	0.00000000	2.00	488929.888	98420.160
S74	S74 (D)	34.432	5.553	4.973	0.00000000	2.00	488790.119	98361.827
S127	S127 (D)	18.932	5.825	5.245	0.00000000	2.00	488903.688	98427.417
S129	S129 (D)	10.612	5.671	5.091	0.00000000	2.00	488880.192	98427.944
S130	S130 (D)	11.624	5.508	4.928	0.00000000	2.00	488863.032	98424.560
S131	S131 (D)	13.157	5.407	4.827	0.00000000	2.00	488845.676	98426.956

Outfall Details

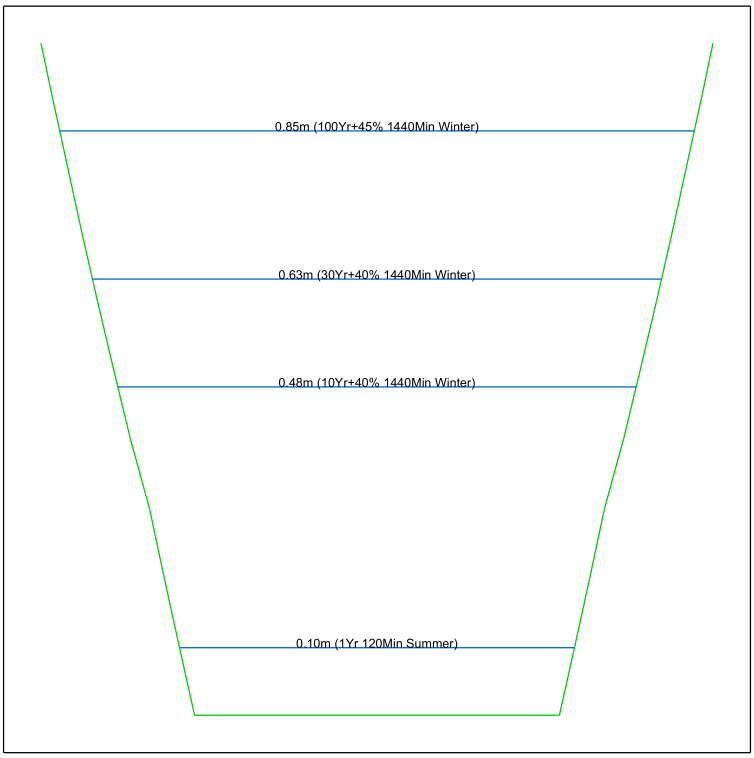
Outfall Manhole S99 : Free Discharge

Flow Control Details

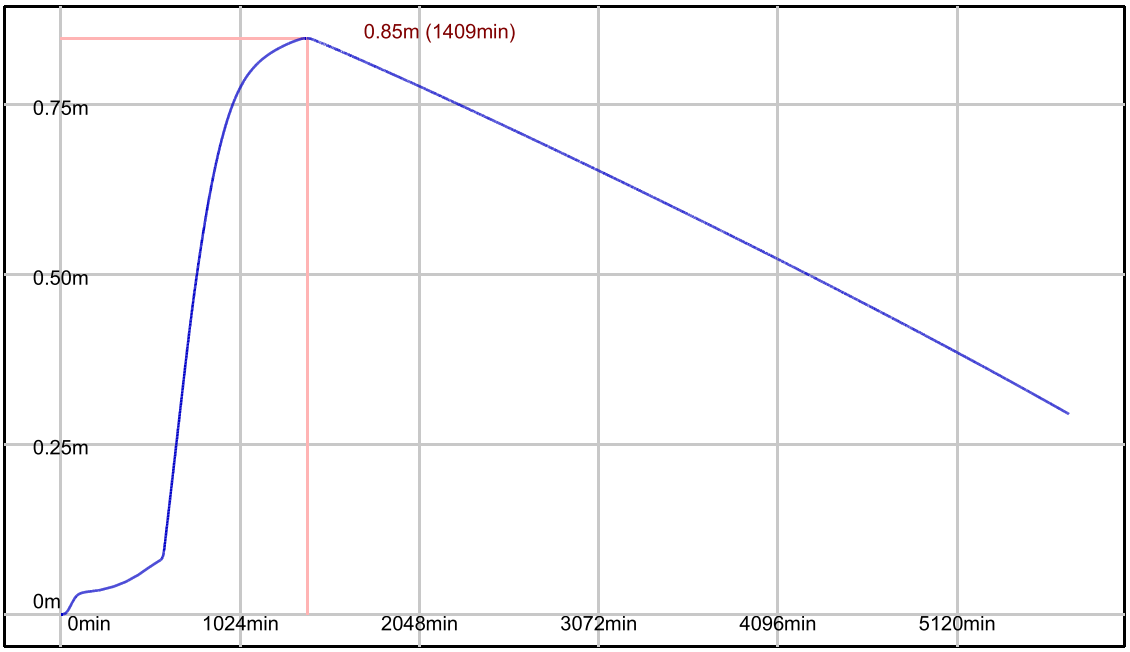
Pond Structure at Manhole S108

Pond Invert (m)	Max Depth (m)	Volume To Water Level (m3)	Water Level (m)	Freeboard (m)	Infil Base (m/hr)	Infil Side (m/hr)	Safety Factor
4.075	0.975	107.307	4.750	0.300	0.00000000	0.00000000	2.00

Pond Depth/Area Diagram at S108



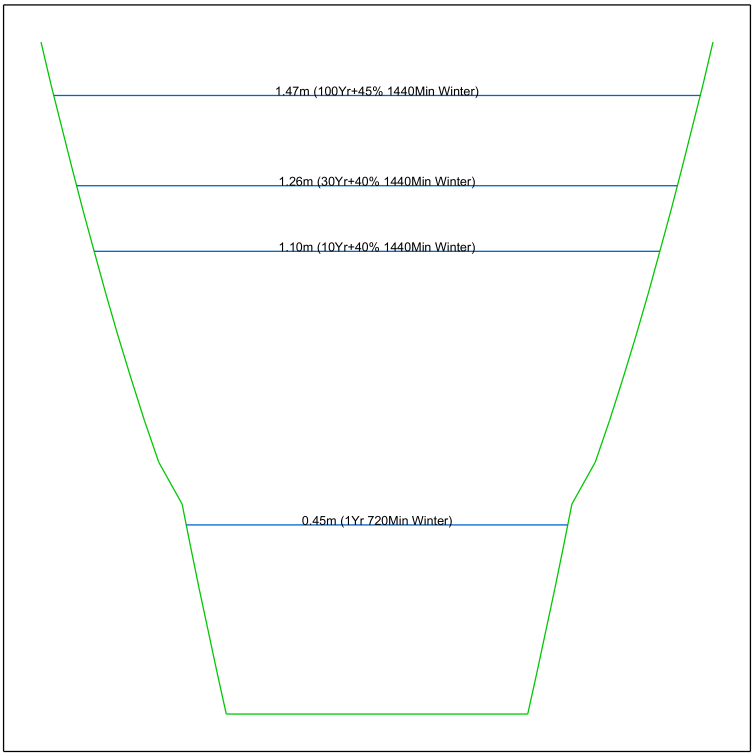
Pond at S108 (100Yr+45% 1440Min Winter)



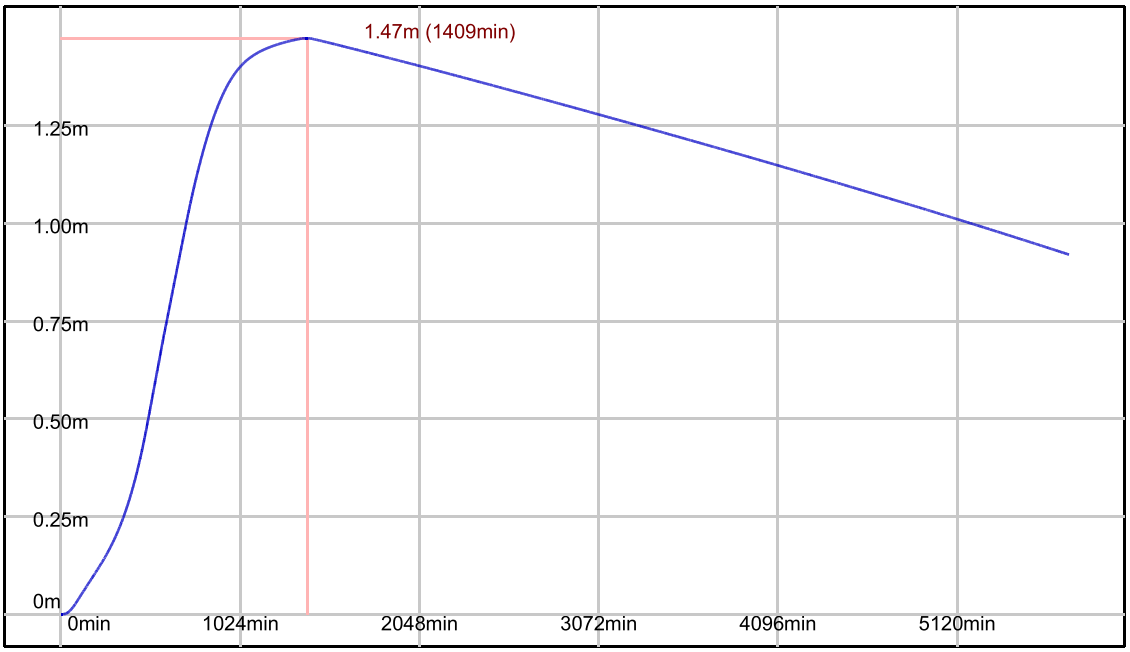
Pond Structure at Manhole S97

Pond Invert (m)	Max Depth (m)	Volume To Water Level (m3)	Water Level (m)	Freeboard (m)	Infil Base (m/hr)	Infil Side (m/hr)	Safety Factor
3.450	1.600	1052.389	4.900	0.150	0.00000000	0.00000000	2.00

Pond Depth/Area Diagram at S97



Pond at S97 (100Yr+45% 1440Min Winter)

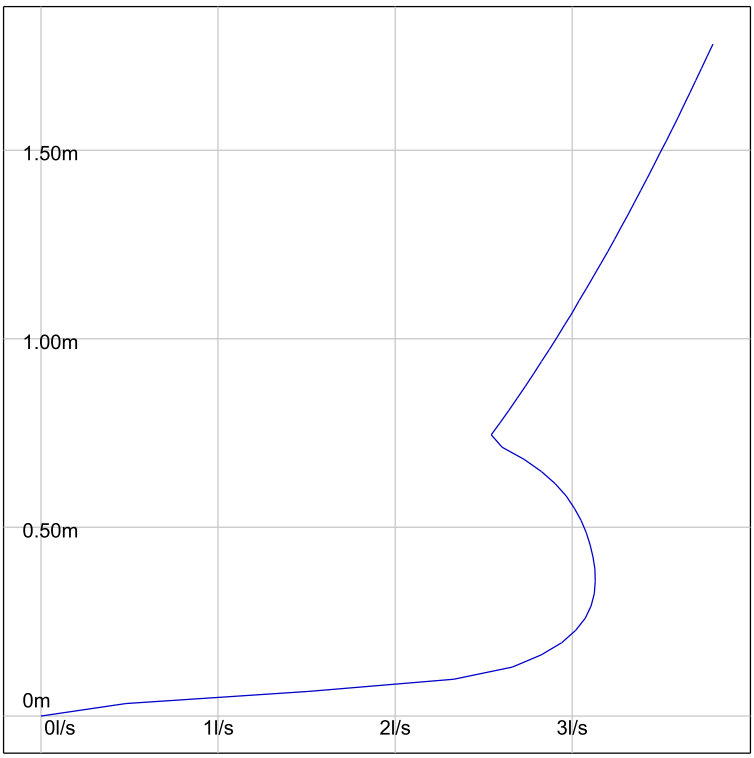


Controls within Manhole S98

Hydro-Brake® Optimum Control at Manhole S98

Model Ref	Design Depth (m)	Design Flow (l/s)	Depth Above Invert (m)	FF Head (m)	FF Flow (l/s)	KF Head (m)	KF Flow (l/s)
SHE-0082-3500-1500-3500 ID:646181	1.500	3.500	0.000	0.360	3.130	0.730	2.520

Hydro-Brake® Optimum Control at S98



Simulation Settings

FEH2022 (point): Filename=FEH_Point_Descriptors_488693_97897_v5_0_1.xml

Summer (Cv: 1.00), Winter (Cv: 1.00)

Global Time of Entry: 5.0 mins

Durations (mins): 15, 30, 60, 120, 180, 240, 360, 480, 600, 720, 960, 1440

Return Periods (yrs) + Climate Change: (1, +0%), (10, +40%), (30, +40%), (100, +45%)

Simulated Rainfall Events

Storm	Average Intensity (mm/hr)	Runoff Continuity %	Flow Continuity %	Storm	Average Intensity (mm/hr)	Runoff Continuity %	Flow Continuity %
1Yr 15Min Winter	16.942	0.00	-0.38	30Yr+40% 15Min Summer	112.863	0.00	2.38
1Yr 15Min Summer	16.942	0.00	-0.37	30Yr+40% 15Min Winter	112.863	0.00	2.35
1Yr 30Min Winter	10.755	0.00	-0.36	30Yr+40% 30Min Summer	74.071	0.00	2.52
1Yr 30Min Summer	10.755	0.00	-0.38	30Yr+40% 30Min Winter	74.071	0.00	2.51
1Yr 60Min Winter	6.786	0.00	-0.32	30Yr+40% 60Min Summer	46.547	0.00	2.79
1Yr 60Min Summer	6.786	0.00	-0.31	30Yr+40% 60Min Winter	46.547	0.00	2.79
1Yr 120Min Summer	5.246	0.00	-0.25	30Yr+40% 120Min Summer	27.731	0.00	3.00
1Yr 120Min Winter	5.246	0.00	-0.25	30Yr+40% 120Min Winter	27.731	0.00	3.06
1Yr 180Min Summer	4.383	0.00	-0.19	30Yr+40% 180Min Summer	20.307	0.00	3.03
1Yr 180Min Winter	4.383	0.00	-0.19	30Yr+40% 180Min Winter	20.307	0.00	3.07
1Yr 240Min Summer	3.631	0.00	-0.12	30Yr+40% 240Min Summer	16.265	0.00	2.96
1Yr 240Min Winter	3.631	0.00	-0.12	30Yr+40% 240Min Winter	16.265	0.00	2.99
1Yr 360Min Summer	2.818	0.00	0.00	30Yr+40% 360Min Summer	11.803	0.00	2.73
1Yr 360Min Winter	2.818	0.00	0.01	30Yr+40% 360Min Winter	11.803	0.00	2.74
1Yr 480Min Summer	2.343	0.00	0.03	30Yr+40% 480Min Summer	9.367	0.00	2.44
1Yr 480Min Winter	2.343	0.00	0.03	30Yr+40% 480Min Winter	9.367	0.00	2.45
1Yr 600Min Summer	2.004	0.00	0.03	30Yr+40% 600Min Summer	7.810	0.00	2.14
1Yr 600Min Winter	2.004	0.00	0.03	30Yr+40% 600Min Winter	7.810	0.00	2.15
1Yr 720Min Winter	1.752	0.00	0.03	30Yr+40% 720Min Summer	6.721	0.00	1.86
1Yr 720Min Summer	1.752	0.00	0.03	30Yr+40% 720Min Winter	6.721	0.00	1.86
1Yr 960Min Summer	1.420	0.00	0.03	30Yr+40% 960Min Summer	5.302	0.00	1.37
1Yr 960Min Winter	1.420	0.00	0.03	30Yr+40% 960Min Winter	5.302	0.00	1.38
1Yr 1440Min Summer	1.059	0.00	0.03	30Yr+40% 1440Min Summer	3.817	0.00	0.56
1Yr 1440Min Winter	1.059	0.00	0.03	30Yr+40% 1440Min Winter	3.817	0.00	0.57
10Yr+40% 15Min Summer	87.036	0.00	2.03	100Yr+45% 15Min Summer	146.276	0.00	2.63
10Yr+40% 15Min Winter	87.036	0.00	1.89	100Yr+45% 15Min Winter	146.276	0.00	2.58
10Yr+40% 30Min Summer	56.678	0.00	2.37	100Yr+45% 30Min Summer	96.982	0.00	2.98
10Yr+40% 30Min Winter	56.678	0.00	2.27	100Yr+45% 30Min Winter	96.982	0.00	2.96
10Yr+40% 60Min Summer	35.401	0.00	2.48	100Yr+45% 60Min Summer	61.530	0.00	3.46
10Yr+40% 60Min Winter	35.401	0.00	2.54	100Yr+45% 60Min Winter	61.530	0.00	3.46
10Yr+40% 120Min Winter	21.745	0.00	2.65	100Yr+45% 120Min Summer	35.946	0.00	3.67
10Yr+40% 120Min Summer	21.745	0.00	2.60	100Yr+45% 120Min Winter	35.946	0.00	3.67
10Yr+40% 180Min Summer	16.178	0.00	2.57	100Yr+45% 180Min Summer	26.053	0.00	3.67
10Yr+40% 180Min Winter	16.178	0.00	2.60	100Yr+45% 180Min Winter	26.053	0.00	3.68
10Yr+40% 240Min Summer	13.001	0.00	2.46	100Yr+45% 240Min Summer	20.923	0.00	3.63
10Yr+40% 240Min Winter	13.001	0.00	2.49	100Yr+45% 240Min Winter	20.923	0.00	3.64
10Yr+40% 360Min Summer	9.488	0.00	2.21	100Yr+45% 360Min Summer	15.176	0.00	3.41
10Yr+40% 360Min Winter	9.488	0.00	2.23	100Yr+45% 360Min Winter	15.176	0.00	3.42
10Yr+40% 480Min Summer	7.563	0.00	1.94	100Yr+45% 480Min Summer	12.028	0.00	3.15
10Yr+40% 480Min Winter	7.563	0.00	1.95	100Yr+45% 480Min Winter	12.028	0.00	3.15
10Yr+40% 600Min Winter	6.323	0.00	1.68	100Yr+45% 600Min Summer	10.033	0.00	2.87
10Yr+40% 600Min Summer	6.323	0.00	1.67	100Yr+45% 600Min Winter	10.033	0.00	2.87
10Yr+40% 720Min Summer	5.451	0.00	1.40	100Yr+45% 720Min Summer	8.641	0.00	2.59
10Yr+40% 720Min Winter	5.451	0.00	1.41	100Yr+45% 720Min Winter	8.641	0.00	2.59
10Yr+40% 960Min Summer	4.313	0.00	0.89	100Yr+45% 960Min Summer	6.827	0.00	2.06
10Yr+40% 960Min Winter	4.313	0.00	0.90	100Yr+45% 960Min Winter	6.827	0.00	2.07
10Yr+40% 1440Min Summer	3.111	0.00	-0.05	100Yr+45% 1440Min Winter	4.922	0.00	1.19
10Yr+40% 1440Min Winter	3.111	0.00	-0.05	100Yr+45% 1440Min Summer	4.922	0.00	1.18

Simulation Results

Return Period Yrs: 1.0

Climate Change %: 0

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RWP47G	-	0	5.350	0.000	0.000		OK
RE47A	-	0	5.300	0.000	0.000		OK
RWP47F	-	0	5.300	0.000	0.000		OK
PS156	-	0	5.175	0.000	0.000		OK
PS155	-	0	5.025	0.000	0.000		OK
PS154	-	0	4.920	0.000	0.000		OK
RWP47A	-	0	5.300	0.000	0.000		OK
RE47B	-	0	5.200	0.000	0.000		OK
PS153	-	0	4.775	0.000	0.000		OK
S87	15 min Summer	8	4.672	0.072	8.041		OK
S95 (D)	480 min Summer	287	5.067	0.017	0.709		OK
S96	15 min Summer	9	4.545	0.110	17.661		OK
YG53A	-	0	5.200	0.000	0.000		OK
PS161	-	0	5.000	0.000	0.000		OK
RWP53G	-	0	5.200	0.000	0.000		OK
RE53B	-	0	4.850	0.000	0.000		OK
PS162	-	0	4.650	0.000	0.000		OK
S102	15 min Summer	9	4.466	0.051	3.698		OK
S88	15 min Summer	9	4.376	0.121	21.704		OK
S89	15 min Summer	9	4.352	0.122	21.590		OK
S126 (D)	180 min Summer	102	5.057	0.007	0.158		OK
S124 (D)	180 min Summer	100	5.155	0.005	0.130		OK
S125	15 min Summer	9	4.330	0.130	25.611		OK
S122 (D)	180 min Summer	101	5.256	0.006	0.140		OK
S132	-	0	4.543	0.000	0.000		OK
S90	15 min Summer	10	4.271	0.121	25.318		OK
S107	15 min Summer	10	4.240	0.115	25.528		OK
S100	15 min Summer	8	4.630	0.030	3.402		OK
S101	15 min Summer	8	4.510	0.040	5.814		OK
S108	120 min Summer	67	4.173	0.098	15.474		OK
S121	120 min Summer	68	4.149	0.099	15.092		OK
S110	120 min Summer	68	4.092	0.092	17.225		OK
RWP100A	-	0	5.000	0.000	0.000		OK
RE100B	-	0	4.900	0.000	0.000		OK
PS151	-	0	4.700	0.000	0.000		OK
RWP100B	-	0	5.000	0.000	0.000		OK
RE100A	-	0	4.600	0.000	0.000		OK
YG47A	-	0	5.100	0.000	0.000		OK
ACO101A	-	0	4.547	0.000	0.000		OK
PS150	-	0	4.350	0.000	0.000		OK
S83	15 min Summer	8	4.108	0.048	4.479		OK
RWP104A	-	0	4.900	0.000	0.000		OK
YG104A	-	0	4.900	0.000	0.000		OK
PS141	-	0	4.800	0.000	0.000		OK
PS142	-	0	4.600	0.000	0.000		OK
RWP104C	-	0	4.900	0.000	0.000		OK
RE104A	-	0	4.800	0.000	0.000		OK
PS143	-	0	4.350	0.000	0.000		OK
S84	15 min Summer	8	4.086	0.081	9.760		OK
RWP44A	-	0	5.300	0.000	0.000		OK
RE44A	-	0	5.200	0.000	0.000		OK
PS122	-	0	5.000	0.000	0.000		OK
RWP44C	-	0	5.300	0.000	0.000		OK
RE44B	-	0	5.000	0.000	0.000		OK
PS123	-	0	4.750	0.000	0.000		OK
S112	-	0	4.628	0.000	0.000		OK
S85	15 min Summer	9	4.066	0.091	13.136		OK
S86	15 min Summer	9	4.003	0.118	21.333		OK
YG115A	-	0	5.200	0.000	0.000		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RWP/ACO113B	-	0	4.800	0.000	0.000		OK
PS140	-	0	4.700	0.000	0.000		OK
PS139	-	0	4.500	0.000	0.000		OK
RWP113A	-	0	4.800	0.000	0.000		OK
RE113A	-	0	4.700	0.000	0.000		OK
PS137	-	0	4.300	0.000	0.000		OK
S74 (D)	15 min Summer	8	4.757	0.032	4.598		OK
S75	15 min Summer	8	4.002	0.077	10.296		OK
RWP117B	-	0	5.000	0.000	0.000		OK
RE117A	-	0	4.900	0.000	0.000		OK
PS134	-	0	4.450	0.000	0.000		OK
RWP117A	-	0	5.000	0.000	0.000		OK
RE117B	-	0	4.900	0.000	0.000		OK
PS135	-	0	4.200	0.000	0.000		OK
S76	15 min Summer	9	3.913	0.078	10.027		OK
S77	720 min Winter	619	3.901	0.171	0.694		OK
S78	720 min Winter	619	3.901	0.205	0.695		OK
RWP15A	-	0	5.300	0.000	0.000		OK
RE14A	15 min Summer	8	5.235	0.035	1.669		OK
PS95	15 min Summer	8	5.029	0.029	1.654		OK
RWP14B	-	0	5.300	0.000	0.000		OK
RE13A	-	0	5.200	0.000	0.000		OK
PS94	15 min Summer	9	4.719	0.019	1.635		OK
RWP10A	-	0	5.100	0.000	0.000		OK
RE10A	15 min Summer	8	5.084	0.034	1.669		OK
PS4	15 min Summer	9	4.886	0.036	1.614		OK
RWP12B	-	0	5.100	0.000	0.000		OK
PS5	15 min Summer	9	4.718	0.018	1.636		OK
S79	720 min Winter	619	3.901	0.231	0.888		OK
RWP16A	-	0	5.200	0.000	0.000		OK
RE16A	15 min Summer	8	5.135	0.035	1.669		OK
PS98	15 min Summer	8	4.927	0.027	1.654		OK
RWP17D	-	0	5.200	0.000	0.000		OK
RWP17C	-	0	5.200	0.000	0.000		OK
RE17A	-	0	4.800	0.000	0.000		OK
RWP18B	-	0	5.200	0.000	0.000		OK
PS99	15 min Summer	9	4.569	0.019	1.634		OK
RWP9A	-	0	5.000	0.000	0.000		OK
RE9A	15 min Summer	8	4.979	0.029	1.669		OK
PS7	15 min Summer	8	4.632	0.032	1.656		OK
RWP7B	-	0	5.100	0.000	0.000		OK
PS12	-	0	5.000	0.000	0.000		OK
PS8	15 min Summer	9	4.419	0.019	1.628		OK
S105	720 min Winter	616	3.901	0.331	0.961		OK
PS119	-	0	5.400	0.000	0.000		OK
PS120	-	0	5.200	0.000	0.000		OK
RWP32C	-	0	5.450	0.000	0.000		OK
RE32B	-	0	5.300	0.000	0.000		OK
S127 (D)	15 min Summer	8	5.222	0.022	3.276		OK
PS118	15 min Summer	8	4.728	0.028	3.267		OK
S91	15 min Summer	8	4.526	0.039	2.907		OK
S128	15 min Summer	9	4.363	0.057	5.995		OK
RWP28C	-	0	5.300	0.000	0.000		OK
RE28B	-	0	5.200	0.000	0.000		OK
PS117	-	0	4.800	0.000	0.000		OK
RWP28A	-	0	5.300	0.000	0.000		OK
RE28A	-	0	5.200	0.000	0.000		OK
S129 (D)	15 min Summer	8	5.068	0.018	2.455		OK
PS115	15 min Summer	8	4.525	0.025	2.448		OK
S92	15 min Summer	9	4.164	0.075	10.363		OK
RWP25B	-	0	5.000	0.000	0.000		OK
RE25A	-	0	4.900	0.000	0.000		OK
PS114	-	0	4.750	0.000	0.000		OK
RWP25A	-	0	5.200	0.000	0.000		OK
RE25B	-	0	5.000	0.000	0.000		OK
S130 (D)	15 min Summer	8	4.966	0.016	1.988		OK
PS111	15 min Summer	8	4.519	0.019	1.513		OK
S93	15 min Summer	9	4.116	0.097	16.776		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RWP23A	-	0	5.000	0.000	0.000		OK
RE23A	-	0	4.900	0.000	0.000		OK
PS108	-	0	4.700	0.000	0.000		OK
RWP23C	-	0	5.000	0.000	0.000		OK
PS110	-	0	4.621	0.000	0.000		OK
S131 (D)	15 min Summer	8	4.867	0.017	2.100		OK
PS109	15 min Summer	8	4.469	0.019	1.612		OK
S94	15 min Summer	9	4.057	0.115	21.470		OK
S135	720 min Winter	620	3.901	0.153	0.544		OK
RE5A	-	0	4.850	0.000	0.000		OK
PS1	-	0	4.720	0.000	0.000		OK
RWP5A	-	0	4.900	0.000	0.000		OK
RE5B	-	0	4.650	0.000	0.000		OK
RWP6B	-	0	4.900	0.000	0.000		OK
PS2	-	0	4.433	0.000	0.000		OK
S82	720 min Winter	619	3.901	0.090	0.092		OK
S80	720 min Winter	617	3.901	0.354	1.597		OK
S81	720 min Winter	618	3.901	0.376	1.579		Surcharged
S97	720 min Winter	619	3.901	0.451	3.079		Surcharged
S98	720 min Winter	584	3.911	0.511	2.104		Surcharged
S99	600 min Summer	889	3.395	0.045	3.130		Outfall

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
1.000	15 min Winter	0	RWP47G	RE47A	0.000	0.000	0.000	0.000	OK
1.001	15 min Winter	0	RE47A	PS156	0.000	0.000	0.000	0.000	OK
2.000	15 min Winter	0	RWP47F	PS156	0.000	0.000	0.000	0.000	OK
1.002	15 min Winter	0	PS156	PS155	0.000	0.000	0.000	0.000	OK
1.003	15 min Winter	0	PS155	PS154	0.000	0.000	0.000	0.000	OK
1.004	15 min Winter	0	PS154	PS153	0.000	0.000	0.000	0.000	OK
3.000	15 min Winter	0	RWP47A	RE47B	0.000	0.000	0.000	0.000	OK
3.001	15 min Winter	0	RE47B	PS153	0.000	0.000	0.000	0.000	OK
1.005	15 min Winter	0	PS153	S87	0.000	0.000	0.000	0.000	OK
1.006	15 min Summer	8	S87	S96	0.071	0.728	7.883	0.223	OK
4.000	480 min Summer	287	S95 (D)	S96	0.017	0.638	0.709	0.028	OK
1.007	15 min Summer	9	S96	S88	0.106	0.806	17.956	0.299	OK
5.000	15 min Winter	0	YG53A	PS161	0.000	0.000	0.000	0.000	OK
5.001	15 min Winter	0	PS161	PS162	0.000	0.000	0.000	0.000	OK
6.000	15 min Winter	0	RWP53G	RE53B	0.000	0.000	0.000	0.000	OK
6.001	15 min Winter	0	RE53B	PS162	0.000	0.000	0.000	0.000	OK
5.002	15 min Winter	0	PS162	S102	0.000	0.000	0.000	0.000	OK
5.003	15 min Summer	9	S102	S88	0.048	0.507	3.748	0.063	OK
1.008	15 min Summer	9	S88	S89	0.122	0.695	21.590	0.231	OK
1.009	15 min Summer	9	S89	S125	0.126	0.662	21.422	0.227	OK
7.000	180 min Summer	102	S126 (D)	S125	0.007	0.573	0.158	0.004	OK
8.000	180 min Summer	100	S124 (D)	S125	0.005	0.669	0.130	0.002	OK
1.010	15 min Summer	10	S125	S90	0.125	0.789	25.318	0.273	OK
9.000	180 min Summer	101	S122 (D)	S90	0.006	0.664	0.140	0.003	OK
10.000	15 min Winter	0	S132	S90	0.000	0.000	0.000	0.000	OK
1.011	15 min Summer	10	S90	S107	0.118	0.859	25.528	0.252	OK
1.012	30 min Summer	19	S107	S108	0.096	1.123	21.603	0.215	OK
11.000	15 min Summer	8	S100	S101	0.035	0.721	3.382	0.022	OK
11.001	15 min Summer	8	S101	S108	0.040	1.009	5.745	0.040	OK
1.013	120 min Summer	67	S108	S121	0.099	0.651	15.104	0.154	OK
1.014	120 min Summer	68	S121	S110	0.096	0.679	15.113	0.162	OK
1.015	480 min Summer	290	S110	S97	0.216	0.311	10.424	0.083	OK
12.000	15 min Winter	0	RWP100A	RE100B	0.000	0.000	0.000	0.000	OK
12.001	15 min Winter	0	RE100B	PS151	0.000	0.000	0.000	0.000	OK
12.002	15 min Winter	0	PS151	PS150	0.000	0.000	0.000	0.000	OK
13.000	15 min Winter	0	RWP100B	RE100A	0.000	0.000	0.000	0.000	OK
13.001	15 min Winter	0	RE100A	PS150	0.000	0.000	0.000	0.000	OK
14.000	15 min Winter	0	YG47A	PS150	0.000	0.000	0.000	0.000	OK
15.000	15 min Winter	0	ACO101A	PS150	0.000	0.000	0.000	0.000	OK
12.003	15 min Winter	0	PS150	S83	0.000	0.000	0.000	0.000	OK

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
12.004	15 min Summer	8	S83	S84	0.065	0.397	4.429	0.058	OK
16.000	15 min Winter	0	RWP104A	PS141	0.000	0.000	0.000	0.000	OK
17.000	15 min Winter	0	YG104A	PS141	0.000	0.000	0.000	0.000	OK
16.001	15 min Winter	0	PS141	PS142	0.000	0.000	0.000	0.000	OK
16.002	15 min Winter	0	PS142	PS143	0.000	0.000	0.000	0.000	OK
18.000	15 min Winter	0	RWP104C	RE104A	0.000	0.000	0.000	0.000	OK
18.001	15 min Winter	0	RE104A	PS143	0.000	0.000	0.000	0.000	OK
16.003	15 min Winter	0	PS143	S84	0.000	0.000	0.000	0.000	OK
12.005	15 min Summer	9	S84	S85	0.086	0.577	9.588	0.155	OK
19.000	15 min Winter	0	RWP44A	RE44A	0.000	0.000	0.000	0.000	OK
19.001	15 min Winter	0	RE44A	PS122	0.000	0.000	0.000	0.000	OK
19.002	15 min Winter	0	PS122	PS123	0.000	0.000	0.000	0.000	OK
20.000	15 min Winter	0	RWP44C	RE44B	0.000	0.000	0.000	0.000	OK
20.001	15 min Winter	0	RE44B	PS123	0.000	0.000	0.000	0.000	OK
19.003	15 min Winter	0	PS123	S112	0.000	0.000	0.000	0.000	OK
19.004	15 min Winter	0	S112	S85	0.000	0.000	0.000	0.000	OK
12.006	15 min Summer	9	S85	S86	0.105	0.604	13.240	0.209	OK
12.007	15 min Summer	9	S86	S77	0.115	0.860	21.337	0.343	OK
21.000	15 min Winter	0	YG115A	PS140	0.000	0.000	0.000	0.000	OK
22.000	15 min Winter	0		PS140	0.000	0.000	0.000	0.000	OK
21.001	15 min Winter	0	PS140	PS139	0.000	0.000	0.000	0.000	OK
21.002	15 min Winter	0	PS139	PS137	0.000	0.000	0.000	0.000	OK
23.000	15 min Winter	0	RWP113A	RE113A	0.000	0.000	0.000	0.000	OK
23.001	15 min Winter	0	RE113A	PS137	0.000	0.000	0.000	0.000	OK
21.003	15 min Winter	0	PS137	S75	0.000	0.000	0.000	0.000	OK
24.000	15 min Summer	8	S74 (D)	S75	0.032	1.659	4.578	0.100	OK
21.004	15 min Summer	8	S75	S76	0.077	0.708	10.182	0.149	OK
25.000	15 min Winter	0	RWP117B	RE117A	0.000	0.000	0.000	0.000	OK
25.001	15 min Winter	0	RE117A	PS134	0.000	0.000	0.000	0.000	OK
25.002	15 min Winter	0	PS134	PS135	0.000	0.000	0.000	0.000	OK
26.000	15 min Winter	0	RWP117A	RE117B	0.000	0.000	0.000	0.000	OK
26.001	15 min Winter	0	RE117B	PS135	0.000	0.000	0.000	0.000	OK
25.003	15 min Winter	0	PS135	S76	0.000	0.000	0.000	0.000	OK
21.005	720 min Winter	619	S76	S77	0.081	0.418	1.503	0.023	OK
12.008	720 min Winter	619	S77	S78	0.188	0.479	4.170	0.039	OK
12.009	720 min Winter	619	S78	S79	0.218	0.434	4.170	0.040	OK
27.000	15 min Summer	8	RWP15A	RE14A	0.017	0.000	0.000	0.000	OK
27.001	15 min Summer	8	RE14A	PS95	0.032	0.772	1.654	0.247	OK
27.002	15 min Summer	9	PS95	PS94	0.029	0.866	1.635	0.184	OK
28.000	15 min Winter	0	RWP14B	RE13A	0.000	0.000	0.000	0.000	OK
28.001	15 min Winter	0	RE13A	PS94	0.000	0.000	0.000	0.000	OK
27.003	15 min Summer	9	PS94	S79	0.019	1.247	1.642	0.035	OK
29.000	15 min Summer	8	RWP10A	RE10A	0.017	0.000	0.000	0.000	OK
29.001	15 min Summer	8	RE10A	PS4	0.035	0.678	1.653	0.248	OK
29.002	15 min Summer	9	PS4	PS5	0.036	0.640	1.636	0.282	OK
30.000	15 min Winter	0	RWP12B	PS5	0.000	0.000	0.000	0.000	OK
29.003	15 min Summer	9	PS5	S79	0.018	1.380	1.640	0.030	OK
12.010	720 min Winter	618	S79	S105	0.281	0.462	5.392	0.051	OK
31.000	15 min Summer	8	RWP16A	RE16A	0.017	0.000	0.000	0.000	OK
31.001	15 min Summer	8	RE16A	PS98	0.031	0.793	1.654	0.246	OK
31.002	15 min Summer	9	PS98	PS99	0.027	0.933	1.634	0.165	OK
32.000	15 min Winter	0	RWP17D	RE17A	0.000	0.000	0.000	0.000	OK
33.000	15 min Winter	0	RWP17C	RE17A	0.000	0.000	0.000	0.000	OK
32.001	15 min Winter	0	RE17A	PS99	0.000	0.000	0.000	0.000	OK
34.000	15 min Winter	0	RWP18B	PS99	0.000	0.000	0.000	0.000	OK
31.003	720 min Winter	612	PS99	S105	0.054	0.642	0.203	0.004	OK
35.000	15 min Summer	8	RWP9A	RE9A	0.015	0.000	0.000	0.000	OK
35.001	15 min Summer	8	RE9A	PS7	0.031	0.810	1.656	0.187	OK
35.002	15 min Summer	8	PS7	PS8	0.026	1.028	1.638	0.198	OK
36.000	15 min Winter	0	RWP7B	PS12	0.000	0.000	0.000	0.000	OK
36.001	15 min Summer	9	PS12	PS8	0.010	0.000	0.000	0.000	OK
35.003	720 min Winter	612	PS8	S105	0.054	0.653	0.203	0.004	OK
12.011	720 min Winter	617	S105	S80	0.342	0.400	5.522	0.051	OK
37.000	15 min Winter	0	PS119	PS120	0.000	0.000	0.000	0.000	OK
37.001	15 min Winter	0	PS120	PS118	0.000	0.000	0.000	0.000	OK
38.000	15 min Winter	0	RWP32C	RE32B	0.000	0.000	0.000	0.000	OK
38.001	15 min Summer	8	RE32B	PS118	0.014	0.000	0.000	0.000	OK
39.000	15 min Summer	8	S127 (D)	PS118	0.025	1.691	3.267	0.047	OK

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
37.002	15 min Summer	8	PS118	S128	0.028	1.430	3.246	0.076	OK
40.000	15 min Summer	9	S91	S128	0.048	0.471	2.833	0.067	OK
37.003	15 min Summer	9	S128	S92	0.057	0.765	6.014	0.142	OK
41.000	15 min Winter	0	RWP28C	RE28B	0.000	0.000	0.000	0.000	OK
41.001	15 min Winter	0	RE28B	PS117	0.000	0.000	0.000	0.000	OK
41.002	15 min Winter	0	PS117	PS115	0.000	0.000	0.000	0.000	OK
42.000	15 min Winter	0	RWP28A	RE28A	0.000	0.000	0.000	0.000	OK
42.001	15 min Winter	0	RE28A	PS115	0.000	0.000	0.000	0.000	OK
43.000	15 min Summer	8	S129 (D)	PS115	0.021	1.574	2.448	0.030	OK
41.003	15 min Summer	8	PS115	S92	0.025	1.249	2.437	0.061	OK
37.004	15 min Summer	9	S92	S93	0.086	0.623	10.371	0.141	OK
44.000	15 min Winter	0	RWP25B	RE25A	0.000	0.000	0.000	0.000	OK
44.001	15 min Winter	0	RE25A	PS114	0.000	0.000	0.000	0.000	OK
44.002	15 min Winter	0	PS114	PS111	0.000	0.000	0.000	0.000	OK
45.000	15 min Winter	0	RWP25A	RE25B	0.000	0.000	0.000	0.000	OK
45.001	15 min Winter	0	RE25B	PS111	0.000	0.000	0.000	0.000	OK
46.000	15 min Summer	8	S130 (D)	PS111	0.018	1.294	1.513	0.026	OK
44.003	15 min Summer	8	PS111	S93	0.019	1.176	1.505	0.034	OK
37.005	15 min Summer	9	S93	S94	0.106	0.759	16.855	0.229	OK
47.000	15 min Winter	0	RWP23A	RE23A	0.000	0.000	0.000	0.000	OK
47.001	15 min Winter	0	RE23A	PS108	0.000	0.000	0.000	0.000	OK
47.002	15 min Winter	0	PS108	PS109	0.000	0.000	0.000	0.000	OK
48.000	15 min Winter	0	RWP23C	PS110	0.000	0.000	0.000	0.000	OK
48.001	15 min Winter	0	PS110	PS109	0.000	0.000	0.000	0.000	OK
49.000	15 min Summer	8	S131 (D)	PS109	0.018	1.349	1.612	0.027	OK
47.003	15 min Summer	8	PS109	S94	0.019	1.230	1.603	0.035	OK
37.006	15 min Summer	9	S94	S135	0.112	0.877	21.154	0.318	OK
37.007	720 min Winter	618	S135	S80	0.216	0.595	3.270	0.037	OK
50.000	15 min Winter	0	RE5A	PS1	0.000	0.000	0.000	0.000	OK
50.001	15 min Winter	0	PS1	PS2	0.000	0.000	0.000	0.000	OK
51.000	15 min Winter	0	RWP5A	RE5B	0.000	0.000	0.000	0.000	OK
51.001	15 min Winter	0	RE5B	PS2	0.000	0.000	0.000	0.000	OK
52.000	15 min Winter	0	RWP6B	PS2	0.000	0.000	0.000	0.000	OK
50.002	720 min Winter	619	PS2	S82	0.008	0.000	0.000	0.000	OK
50.003	720 min Winter	617	S82	S80	0.147	0.360	0.590	0.015	OK
12.012	720 min Winter	617	S80	S81	0.365	0.538	9.165	0.086	OK
12.013	720 min Winter	594	S81	S97	0.375	0.567	8.956	0.089	Surcharged
1.016	180 min Summer	116	S97	S98	0.300	0.463	19.154	0.185	Surcharged
1.017	720 min Winter	988	S98	S99	0.045	0.560	3.130	0.088	OK

Permeable Paving Storage

Permeable Paving	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S95	480 min Summer	287	5.172	0.022	0.682		OK
S126	180 min Summer	102	5.153	0.008	0.153		OK
S124	180 min Summer	100	5.264	0.007	0.129		OK
S122	180 min Summer	100	5.368	0.007	0.143		OK
S74	360 min Summer	207	4.989	0.016	0.434		OK
S127	240 min Summer	139	5.257	0.012	0.306		OK
S129	180 min Summer	104	5.101	0.010	0.214		OK
S130	360 min Summer	192	4.964	0.036	0.212		OK
S131	360 min Summer	195	4.864	0.037	0.226		OK

Return Period Yrs: 10.0

Climate Change %: 40

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RWP47G	-	0	5.350	0.000	0.000		OK
RE47A	-	0	5.300	0.000	0.000		OK
RWP47F	-	0	5.300	0.000	0.000		OK
PS156	-	0	5.175	0.000	0.000		OK
PS155	-	0	5.025	0.000	0.000		OK
PS154	-	0	4.920	0.000	0.000		OK
RWP47A	-	0	5.300	0.000	0.000		OK
RE47B	-	0	5.200	0.000	0.000		OK
PS153	15 min Summer	9	4.901	0.126	0.021		OK
S87	15 min Summer	9	4.900	0.300	39.570		Surcharged
S95 (D)	120 min Summer	77	5.093	0.043	4.683		OK
S96	15 min Summer	9	4.794	0.359	89.637		Surcharged
YG53A	-	0	5.200	0.000	0.000		OK
PS161	-	0	5.000	0.000	0.000		OK
RWP53G	-	0	5.200	0.000	0.000		OK
RE53B	-	0	4.850	0.000	0.000		OK
PS162	-	0	4.650	0.000	0.000		OK
S102	15 min Summer	10	4.594	0.179	15.784		OK
S88	15 min Summer	10	4.589	0.334	101.732		OK
S89	15 min Summer	10	4.564	0.334	103.332		OK
S126 (D)	30 min Summer	23	5.067	0.017	1.231		OK
S124 (D)	30 min Summer	23	5.164	0.014	1.001		OK
S125	1440 min Winter	1388	4.552	0.352	0.723		OK
S122 (D)	30 min Summer	23	5.265	0.015	1.084		OK
S132	1440 min Winter	1385	4.552	0.009	0.009		OK
S90	1440 min Winter	1388	4.552	0.402	0.746		Surcharged
S107	1440 min Winter	1388	4.552	0.427	0.744		Surcharged
S100	15 min Summer	8	4.667	0.067	17.488		OK
S101	15 min Summer	8	4.561	0.091	29.931		OK
S108	1440 min Winter	1383	4.552	0.477	1.058		Surcharged
S121	1440 min Winter	1383	4.552	0.502	0.952		Surcharged
S110	1440 min Winter	1385	4.552	0.552	1.070		Surcharged
RWP100A	-	0	5.000	0.000	0.000		OK
RE100B	-	0	4.900	0.000	0.000		OK
PS151	-	0	4.700	0.000	0.000		OK
RWP100B	-	0	5.000	0.000	0.000		OK
RE100A	15 min Summer	11	4.651	0.051	0.000		OK
YG47A	-	0	5.100	0.000	0.000		OK
ACO101A	15 min Summer	11	4.632	0.085	0.000		OK
PS150	15 min Summer	11	4.629	0.279	1.219		Surcharged
S83	15 min Summer	10	4.627	0.567	18.317		Surcharged
RWP104A	-	0	4.900	0.000	0.000		OK
YG104A	-	0	4.900	0.000	0.000		OK
PS141	-	0	4.800	0.000	0.000		OK
PS142	15 min Summer	11	4.642	0.042	0.000		OK
RWP104C	-	0	4.900	0.000	0.000		OK
RE104A	-	0	4.800	0.000	0.000		OK
PS143	15 min Summer	11	4.624	0.274	0.284		Surcharged
S84	15 min Summer	10	4.624	0.619	33.959		Surcharged
RWP44A	-	0	5.300	0.000	0.000		OK
RE44A	-	0	5.200	0.000	0.000		OK
PS122	-	0	5.000	0.000	0.000		OK
RWP44C	-	0	5.300	0.000	0.000		OK
RE44B	-	0	5.000	0.000	0.000		OK
PS123	-	0	4.750	0.000	0.000		OK
S112	-	0	4.628	0.000	0.000		OK
S85	15 min Summer	10	4.618	0.643	45.516		Surcharged
S86	15 min Summer	10	4.582	0.697	76.771		Surcharged
YG115A	-	0	5.200	0.000	0.000		OK
RWP/ACO113B	-	0	4.800	0.000	0.000		OK
PS140	-	0	4.700	0.000	0.000		OK
PS139	1440 min Winter	1379	4.552	0.052	0.025		OK
RWP113A	-	0	4.800	0.000	0.000		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RE113A	-	0	4.700	0.000	0.000		OK
PS137	1440 min Winter	1377	4.552	0.252	0.034		Surcharged
S74 (D)	15 min Summer	9	4.801	0.076	22.750		OK
S75	1440 min Winter	1384	4.552	0.627	0.312		Surcharged
RWP117B	-	0	5.000	0.000	0.000		OK
RE117A	-	0	4.900	0.000	0.000		OK
PS134	1440 min Winter	1380	4.552	0.102	0.035		OK
RWP117A	-	0	5.000	0.000	0.000		OK
RE117B	-	0	4.900	0.000	0.000		OK
PS135	1440 min Winter	1380	4.552	0.352	0.046		Surcharged
S76	1440 min Winter	1380	4.552	0.717	0.342		Surcharged
S77	1440 min Winter	1380	4.552	0.822	0.741		Surcharged
S78	1440 min Winter	1378	4.552	0.856	0.787		Surcharged
RWP15A	15 min Summer	9	5.356	0.056	0.261		OK
RE14A	15 min Summer	9	5.356	0.156	8.212		Surcharged
PS95	15 min Summer	10	5.072	0.072	7.655		OK
RWP14B	-	0	5.300	0.000	0.000		OK
RE13A	-	0	5.200	0.000	0.000		OK
PS94	15 min Summer	10	4.741	0.041	7.701		OK
RWP10A	15 min Summer	10	5.219	0.119	0.000		Surcharged
RE10A	15 min Summer	10	5.219	0.169	7.069		Surcharged
PS4	15 min Summer	10	4.985	0.135	7.285		Surcharged
RWP12B	-	0	5.100	0.000	0.000		OK
PS5	15 min Summer	10	4.737	0.037	7.252		OK
S79	1440 min Winter	1378	4.552	0.882	1.007		Surcharged
RWP16A	15 min Summer	9	5.257	0.057	0.266		OK
RE16A	15 min Summer	9	5.257	0.157	8.212		Surcharged
PS98	15 min Summer	10	4.966	0.066	7.648		OK
RWP17D	-	0	5.200	0.000	0.000		OK
RWP17C	-	0	5.200	0.000	0.000		OK
RE17A	-	0	4.800	0.000	0.000		OK
RWP18B	-	0	5.200	0.000	0.000		OK
PS99	15 min Summer	10	4.592	0.042	7.689		OK
RWP9A	15 min Summer	8	5.028	0.028	0.067		OK
RE9A	15 min Summer	8	5.028	0.078	8.577		OK
PS7	15 min Summer	9	4.688	0.088	8.320		OK
RWP7B	-	0	5.100	0.000	0.000		OK
PS12	-	0	5.000	0.000	0.000		OK
PS8	1440 min Winter	1390	4.552	0.152	0.032		Surcharged
S105	1440 min Winter	1383	4.552	0.982	1.078		Surcharged
PS119	-	0	5.400	0.000	0.000		OK
PS120	-	0	5.200	0.000	0.000		OK
RWP32C	-	0	5.450	0.000	0.000		OK
RE32B	-	0	5.300	0.000	0.000		OK
S127 (D)	15 min Summer	8	5.250	0.050	16.833		OK
PS118	15 min Summer	8	4.765	0.065	16.742		OK
S91	15 min Summer	10	4.605	0.118	11.888		OK
S128	15 min Summer	10	4.599	0.292	21.856		Surcharged
RWP28C	-	0	5.300	0.000	0.000		OK
RE28B	-	0	5.200	0.000	0.000		OK
PS117	-	0	4.800	0.000	0.000		OK
RWP28A	-	0	5.300	0.000	0.000		OK
RE28A	-	0	5.200	0.000	0.000		OK
S129 (D)	15 min Summer	8	5.090	0.040	12.637		OK
PS115	15 min Summer	10	4.572	0.072	10.416		OK
S92	15 min Summer	10	4.569	0.479	40.183		Surcharged
RWP25B	-	0	5.000	0.000	0.000		OK
RE25A	-	0	4.900	0.000	0.000		OK
PS114	-	0	4.750	0.000	0.000		OK
RWP25A	-	0	5.200	0.000	0.000		OK
RE25B	-	0	5.000	0.000	0.000		OK
S130 (D)	15 min Summer	8	4.988	0.038	10.218		OK
PS111	1440 min Winter	1383	4.552	0.052	0.067		OK
S93	15 min Summer	10	4.552	0.533	67.484		Surcharged
RWP23A	-	0	5.000	0.000	0.000		OK
RE23A	-	0	4.900	0.000	0.000		OK
PS108	-	0	4.700	0.000	0.000		OK
RWP23C	-	0	5.000	0.000	0.000		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
PS110	-	0	4.621	0.000	0.000		OK
S131 (D)	15 min Summer	8	4.889	0.039	10.797		OK
PS109	1440 min Winter	1386	4.552	0.102	0.070		OK
S94	1440 min Winter	1383	4.552	0.609	0.602		Surcharged
S135	1440 min Winter	1383	4.552	0.805	0.613		Surcharged
RE5A	-	0	4.850	0.000	0.000		OK
PS1	-	0	4.720	0.000	0.000		OK
RWP5A	-	0	4.900	0.000	0.000		OK
RE5B	-	0	4.650	0.000	0.000		OK
RWP6B	-	0	4.900	0.000	0.000		OK
PS2	1440 min Winter	1379	4.552	0.119	0.013		OK
S82	1440 min Winter	1377	4.552	0.741	0.111		Surcharged
S80	1440 min Winter	1383	4.552	1.005	1.715		Surcharged
S81	1440 min Winter	1383	4.552	1.027	1.696		Surcharged
S97	1440 min Winter	1384	4.552	1.102	3.070		Surcharged
S98	1440 min Winter	1384	4.552	1.152	3.048		Surcharged
S99	1440 min Summer	5477	3.395	0.045	3.130		Outfall

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
1.000	15 min Summer	0	RWP47G	RE47A	0.000	0.000	0.000	0.000	OK
1.001	15 min Summer	0	RE47A	PS156	0.000	0.000	0.000	0.000	OK
2.000	15 min Summer	0	RWP47F	PS156	0.000	0.000	0.000	0.000	OK
1.002	15 min Summer	0	PS156	PS155	0.000	0.000	0.000	0.000	OK
1.003	15 min Summer	0	PS155	PS154	0.000	0.000	0.000	0.000	OK
1.004	15 min Summer	9	PS154	PS153	0.038	0.000	0.000	0.000	OK
3.000	15 min Summer	0	RWP47A	RE47B	0.000	0.000	0.000	0.000	OK
3.001	15 min Summer	9	RE47B	PS153	0.038	0.000	0.000	0.000	OK
1.005	15 min Summer	10	PS153	S87	0.138	0.151	1.776	0.071	OK
1.006	15 min Winter	9	S87	S96	0.225	0.999	36.304	1.028	OK
4.000	30 min Summer	29	S95 (D)	S96	0.081	1.038	3.685	0.144	OK
1.007	15 min Summer	10	S96	S88	0.280	1.303	89.217	1.485	OK
5.000	15 min Summer	0	YG53A	PS161	0.000	0.000	0.000	0.000	OK
5.001	15 min Summer	0	PS161	PS162	0.000	0.000	0.000	0.000	OK
6.000	15 min Summer	0	RWP53G	RE53B	0.000	0.000	0.000	0.000	OK
6.001	15 min Summer	0	RE53B	PS162	0.000	0.000	0.000	0.000	OK
5.002	15 min Summer	10	PS162	S102	0.014	0.000	0.000	0.000	OK
5.003	15 min Summer	10	S102	S88	0.219	0.540	17.130	0.288	OK
1.008	15 min Summer	10	S88	S89	0.334	1.004	103.803	1.111	OK
1.009	1440 min Winter	1386	S89	S125	0.337	0.460	6.031	0.064	OK
7.000	1440 min Winter	1380	S126 (D)	S125	0.064	0.516	0.110	0.003	OK
8.000	1440 min Winter	1380	S124 (D)	S125	0.064	0.583	0.083	0.001	OK
1.010	1440 min Winter	1388	S125	S90	0.363	0.524	7.165	0.077	OK
9.000	960 min Winter	787	S122 (D)	S90	0.076	0.646	0.128	0.002	OK
10.000	1440 min Winter	1385	S132	S90	0.079	0.005	0.045	0.002	OK
1.011	960 min Summer	828	S90	S107	0.375	0.672	15.085	0.149	Surcharged
1.012	600 min Summer	512	S107	S108	0.375	0.674	21.531	0.214	Surcharged
11.000	15 min Summer	8	S100	S101	0.079	1.166	17.433	0.113	OK
11.001	1440 min Winter	1385	S101	S108	0.191	0.637	1.258	0.009	OK
1.013	480 min Summer	351	S108	S121	0.375	0.778	29.779	0.304	Surcharged
1.014	360 min Summer	266	S121	S110	0.375	0.855	36.493	0.391	Surcharged
1.015	240 min Summer	174	S110	S97	0.375	0.624	53.533	0.428	Surcharged
12.000	15 min Summer	0	RWP100A	RE100B	0.000	0.000	0.000	0.000	OK
12.001	15 min Summer	0	RE100B	PS151	0.000	0.000	0.000	0.000	OK
12.002	15 min Summer	9	PS151	PS150	0.050	0.000	0.000	0.000	OK
13.000	15 min Summer	11	RWP100B	RE100A	0.025	0.000	0.000	0.000	OK
13.001	15 min Summer	11	RE100A	PS150	0.075	0.219	0.240	0.032	OK
14.000	15 min Summer	9	YG47A	PS150	0.050	0.000	0.000	0.000	OK
15.000	15 min Summer	11	ACO101A	PS150	0.093	0.288	0.979	0.090	OK
12.003	15 min Winter	13	PS150	S83	0.150	0.280	3.880	0.159	Surcharged
12.004	15 min Winter	8	S83	S84	0.300	0.484	18.220	0.239	Surcharged
16.000	15 min Summer	0	RWP104A	PS141	0.000	0.000	0.000	0.000	OK
17.000	15 min Summer	0	YG104A	PS141	0.000	0.000	0.000	0.000	OK
16.001	15 min Summer	11	PS141	PS142	0.021	0.000	0.000	0.000	OK

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
16.002	15 min Summer	11	PS142	PS143	0.071	0.218	0.284	0.037	OK
18.000	15 min Summer	0	RWP104C	RE104A	0.000	0.000	0.000	0.000	OK
18.001	15 min Summer	9	RE104A	PS143	0.050	0.000	0.000	0.000	OK
16.003	15 min Winter	13	PS143	S84	0.150	0.172	2.543	0.064	Surcharged
12.005	15 min Winter	8	S84	S85	0.300	0.745	37.217	0.603	Surcharged
19.000	15 min Summer	0	RWP44A	RE44A	0.000	0.000	0.000	0.000	OK
19.001	15 min Summer	0	RE44A	PS122	0.000	0.000	0.000	0.000	OK
19.002	15 min Summer	0	PS122	PS123	0.000	0.000	0.000	0.000	OK
20.000	15 min Summer	0	RWP44C	RE44B	0.000	0.000	0.000	0.000	OK
20.001	15 min Summer	0	RE44B	PS123	0.000	0.000	0.000	0.000	OK
19.003	15 min Summer	0	PS123	S112	0.000	0.000	0.000	0.000	OK
19.004	15 min Summer	8	S112	S85	0.075	0.000	0.000	0.000	OK
12.006	30 min Summer	16	S85	S86	0.300	0.771	44.765	0.706	Surcharged
12.007	30 min Summer	15	S86	S77	0.300	1.120	71.939	1.155	Surcharged
21.000	15 min Summer	0	YG115A	PS140	0.000	0.000	0.000	0.000	OK
22.000	15 min Summer	0		PS140	0.000	0.000	0.000	0.000	OK
21.001	1440 min Winter	1379	PS140	PS139	0.026	0.000	0.000	0.000	OK
21.002	1440 min Winter	1553	PS139	PS137	0.076	0.015	0.080	0.012	OK
23.000	15 min Summer	0	RWP113A	RE113A	0.000	0.000	0.000	0.000	OK
23.001	15 min Summer	10	RE113A	PS137	0.050	0.000	0.000	0.000	OK
21.003	15 min Winter	13	PS137	S75	0.150	0.220	2.769	0.092	Surcharged
24.000	15 min Summer	9	S74 (D)	S75	0.113	2.572	23.609	0.517	OK
21.004	15 min Winter	8	S75	S76	0.300	0.904	43.632	0.637	Surcharged
25.000	15 min Summer	0	RWP117B	RE117A	0.000	0.000	0.000	0.000	OK
25.001	1440 min Winter	1380	RE117A	PS134	0.026	0.000	0.000	0.000	OK
25.002	1440 min Winter	1380	PS134	PS135	0.126	0.010	0.143	0.006	OK
26.000	15 min Summer	0	RWP117A	RE117B	0.000	0.000	0.000	0.000	OK
26.001	15 min Summer	9	RE117B	PS135	0.050	0.000	0.000	0.000	OK
25.003	15 min Winter	14	PS135	S76	0.150	0.304	4.169	0.149	Surcharged
21.005	15 min Winter	8	S76	S77	0.300	0.773	35.748	0.548	Surcharged
12.008	15 min Winter	11	S77	S78	0.375	0.945	96.951	0.899	Surcharged
12.009	15 min Winter	12	S78	S79	0.375	0.889	98.136	0.937	Surcharged
27.000	15 min Summer	10	RWP15A	RE14A	0.078	0.071	0.438	0.027	OK
27.001	15 min Summer	10	RE14A	PS95	0.086	1.080	7.698	1.149	OK
27.002	15 min Summer	10	PS95	PS94	0.072	1.280	7.701	0.866	OK
28.000	15 min Summer	0	RWP14B	RE13A	0.000	0.000	0.000	0.000	OK
28.001	15 min Summer	0	RE13A	PS94	0.000	0.000	0.000	0.000	OK
27.003	15 min Summer	10	PS94	S79	0.096	1.508	7.709	0.165	OK
29.000	15 min Summer	11	RWP10A	RE10A	0.100	0.207	1.413	0.096	Surcharged
29.001	30 min Summer	16	RE10A	PS4	0.100	0.935	7.032	1.055	Surcharged
29.002	15 min Summer	10	PS4	PS5	0.093	0.953	7.252	1.251	OK
30.000	15 min Summer	0	RWP12B	PS5	0.000	0.000	0.000	0.000	OK
29.003	15 min Summer	10	PS5	S79	0.093	1.657	7.249	0.134	OK
12.010	15 min Winter	11	S79	S105	0.375	1.173	129.511	1.223	Surcharged
31.000	15 min Summer	10	RWP16A	RE16A	0.079	0.076	0.440	0.027	OK
31.001	15 min Summer	10	RE16A	PS98	0.083	1.108	7.687	1.145	OK
31.002	15 min Summer	10	PS98	PS99	0.066	1.394	7.689	0.779	OK
32.000	15 min Summer	0	RWP17D	RE17A	0.000	0.000	0.000	0.000	OK
33.000	15 min Summer	0	RWP17C	RE17A	0.000	0.000	0.000	0.000	OK
32.001	15 min Summer	0	RE17A	PS99	0.000	0.000	0.000	0.000	OK
34.000	15 min Summer	0	RWP18B	PS99	0.000	0.000	0.000	0.000	OK
31.003	15 min Summer	10	PS99	S105	0.096	1.476	7.697	0.170	OK
35.000	15 min Summer	11	RWP9A	RE9A	0.053	0.047	0.084	0.006	OK
35.001	15 min Summer	8	RE9A	PS7	0.083	1.216	8.444	0.952	OK
35.002	15 min Summer	9	PS7	PS8	0.066	1.541	8.401	1.016	OK
36.000	15 min Summer	0	RWP7B	PS12	0.000	0.000	0.000	0.000	OK
36.001	480 min Summer	451	PS12	PS8	0.050	0.000	0.000	0.000	OK
35.003	1440 min Winter	1332	PS8	S105	0.150	0.668	0.360	0.008	Surcharged
12.011	15 min Winter	11	S105	S80	0.375	1.277	141.014	1.315	Surcharged
37.000	15 min Summer	0	PS119	PS120	0.000	0.000	0.000	0.000	OK
37.001	15 min Summer	8	PS120	PS118	0.007	0.000	0.000	0.000	OK
38.000	15 min Summer	0	RWP32C	RE32B	0.000	0.000	0.000	0.000	OK
38.001	15 min Summer	8	RE32B	PS118	0.032	0.000	0.000	0.000	OK
39.000	15 min Summer	8	S127 (D)	PS118	0.057	2.698	16.742	0.238	OK
37.002	15 min Summer	9	PS118	S128	0.107	2.230	16.675	0.391	OK
40.000	15 min Summer	10	S91	S128	0.171	0.717	14.769	0.349	OK
37.003	15 min Winter	10	S128	S92	0.225	1.109	28.868	0.683	OK
41.000	15 min Summer	0	RWP28C	RE28B	0.000	0.000	0.000	0.000	OK

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
41.001	15 min Summer	0	RE28B	PS117	0.000	0.000	0.000	0.000	OK
41.002	15 min Summer	10	PS117	PS115	0.011	0.000	0.000	0.000	OK
42.000	15 min Summer	0	RWP28A	RE28A	0.000	0.000	0.000	0.000	OK
42.001	15 min Summer	10	RE28A	PS115	0.011	0.000	0.000	0.000	OK
43.000	15 min Summer	10	S129 (D)	PS115	0.054	2.526	12.619	0.156	OK
41.003	15 min Summer	10	PS115	S92	0.111	1.962	12.581	0.317	OK
37.004	30 min Summer	16	S92	S93	0.300	0.776	42.807	0.581	Surcharged
44.000	15 min Summer	0	RWP25B	RE25A	0.000	0.000	0.000	0.000	OK
44.001	15 min Summer	0	RE25A	PS114	0.000	0.000	0.000	0.000	OK
44.002	1440 min Winter	1383	PS114	PS111	0.001	0.000	0.000	0.000	OK
45.000	15 min Summer	0	RWP25A	RE25B	0.000	0.000	0.000	0.000	OK
45.001	1440 min Winter	1383	RE25B	PS111	0.001	0.000	0.000	0.000	OK
46.000	15 min Summer	8	S130 (D)	PS111	0.041	2.153	8.532	0.145	OK
44.003	1440 min Winter	1383	PS111	S93	0.101	0.896	1.136	0.025	OK
37.005	15 min Winter	8	S93	S94	0.300	1.027	67.229	0.912	Surcharged
47.000	15 min Summer	0	RWP23A	RE23A	0.000	0.000	0.000	0.000	OK
47.001	15 min Summer	0	RE23A	PS108	0.000	0.000	0.000	0.000	OK
47.002	1440 min Winter	1386	PS108	PS109	0.026	0.000	0.000	0.000	OK
48.000	15 min Summer	0	RWP23C	PS110	0.000	0.000	0.000	0.000	OK
48.001	1440 min Winter	1386	PS110	PS109	0.026	0.000	0.000	0.000	OK
49.000	1440 min Winter	1380	S131 (D)	PS109	0.053	1.033	0.663	0.011	OK
47.003	1440 min Winter	1386	PS109	S94	0.126	0.921	1.171	0.025	OK
37.006	15 min Winter	9	S94	S135	0.300	1.282	82.852	1.245	Surcharged
37.007	15 min Winter	9	S135	S80	0.300	1.093	77.241	0.865	Surcharged
50.000	15 min Summer	0	RE5A	PS1	0.000	0.000	0.000	0.000	OK
50.001	1440 min Winter	1379	PS1	PS2	0.035	0.000	0.000	0.000	OK
51.000	15 min Summer	0	RWP5A	RE5B	0.000	0.000	0.000	0.000	OK
51.001	1440 min Winter	1379	RE5B	PS2	0.001	0.000	0.000	0.000	OK
52.000	1440 min Winter	1379	RWP6B	PS2	0.035	0.000	0.000	0.000	OK
50.002	1440 min Winter	2140	PS2	S82	0.135	0.010	0.094	0.003	OK
50.003	30 min Summer	16	S82	S80	0.225	0.720	18.264	0.477	OK
12.012	15 min Winter	10	S80	S81	0.375	2.074	229.096	2.139	Surcharged
12.013	15 min Winter	13	S81	S97	0.375	2.739	227.896	2.271	Surcharged
1.016	15 min Winter	11	S97	S98	0.300	0.502	29.351	0.284	Surcharged
1.017	1440 min Summer	5477	S98	S99	0.045	0.560	3.130	0.088	OK

Permeable Paving Storage

Permeable Paving	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S95	120 min Summer	77	5.227	0.076	4.675		OK
S126	30 min Summer	23	5.176	0.031	1.249		OK
S124	30 min Summer	22	5.284	0.027	1.043		OK
S122	30 min Summer	23	5.390	0.029	1.048		OK
S74	60 min Summer	42	5.034	0.061	2.726		OK
S127	60 min Summer	41	5.294	0.050	2.738		OK
S129	60 min Summer	40	5.130	0.038	1.645		OK
S130	60 min Summer	39	4.999	0.071	1.929		OK
S131	60 min Summer	39	4.901	0.074	2.183		OK

Return Period Yrs: 30.0

Climate Change %: 40

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RWP47G	-	0	5.350	0.000	0.000		OK
RE47A	-	0	5.300	0.000	0.000		OK
RWP47F	-	0	5.300	0.000	0.000		OK
PS156	-	0	5.175	0.000	0.000		OK
PS155	15 min Summer	10	5.165	0.140	0.000		Surcharged
PS154	15 min Summer	10	5.155	0.235	0.043		Surcharged
RWP47A	-	0	5.300	0.000	0.000		OK
RE47B	-	0	5.200	0.000	0.000		OK
PS153	15 min Summer	10	5.141	0.366	0.445		Surcharged
S87	15 min Summer	9	5.142	0.542	51.316		Surcharged
S95 (D)	60 min Summer	45	5.102	0.052	6.769		OK
S96	15 min Summer	9	5.001	0.566	110.473		Surcharged
YG53A	-	0	5.200	0.000	0.000		OK
PS161	-	0	5.000	0.000	0.000		OK
RWP53G	-	0	5.200	0.000	0.000		OK
RE53B	-	0	4.850	0.000	0.000		OK
PS162	15 min Summer	10	4.722	0.072	0.479		OK
S102	15 min Summer	10	4.720	0.305	20.476		Surcharged
S88	15 min Summer	10	4.714	0.459	123.063		Surcharged
S89	1440 min Winter	1391	4.708	0.478	0.685		Surcharged
S126 (D)	30 min Summer	22	5.070	0.020	1.663		OK
S124 (D)	30 min Summer	22	5.166	0.016	1.355		OK
S125	1440 min Winter	1388	4.708	0.508	0.867		Surcharged
S122 (D)	30 min Summer	22	5.267	0.017	1.467		OK
S132	1440 min Winter	1388	4.708	0.165	0.009		Surcharged
S90	1440 min Winter	1388	4.708	0.558	0.891		Surcharged
S107	1440 min Winter	1394	4.708	0.583	0.855		Surcharged
S100	1440 min Winter	1390	4.708	0.108	0.076		OK
S101	1440 min Winter	1390	4.708	0.238	0.126		OK
S108	1440 min Winter	1393	4.708	0.633	1.021		Surcharged
S121	1440 min Winter	1392	4.708	0.658	1.040		Surcharged
S110	1440 min Winter	1392	4.708	0.708	1.172		Surcharged
RWP100A	-	0	5.000	0.000	0.000		OK
RE100B	15 min Summer	11	4.917	0.017	0.784		OK
PS151	15 min Summer	11	4.922	0.222	0.647		Surcharged
RWP100B	-	0	5.000	0.000	0.000		OK
RE100A	15 min Summer	11	4.931	0.331	0.000		Surcharged
YG47A	-	0	5.100	0.000	0.000		OK
ACO101A	15 min Summer	11	4.922	0.376	0.000		Surcharged
PS150	15 min Summer	11	4.920	0.570	0.472		Surcharged
S83	15 min Summer	11	4.913	0.853	14.048		Surcharged
RWP104A	15 min Summer	12	4.912	0.012	0.000		OK
YG104A	15 min Summer	12	4.912	0.012	0.000		OK
PS141	15 min Summer	12	4.913	0.113	1.006		Surcharged
PS142	15 min Summer	11	4.912	0.312	1.700		Surcharged
RWP104C	15 min Summer	11	4.919	0.019	0.302		OK
RE104A	15 min Summer	11	4.918	0.118	0.465		Surcharged
PS143	15 min Summer	11	4.913	0.563	2.008		Surcharged
S84	15 min Summer	11	4.911	0.906	31.362		Surcharged
RWP44A	-	0	5.300	0.000	0.000		OK
RE44A	-	0	5.200	0.000	0.000		OK
PS122	-	0	5.000	0.000	0.000		OK
RWP44C	-	0	5.300	0.000	0.000		OK
RE44B	-	0	5.000	0.000	0.000		OK
PS123	15 min Summer	11	4.917	0.167	0.000		Surcharged
S112	15 min Summer	11	4.916	0.288	0.650		Surcharged
S85	15 min Summer	11	4.904	0.929	43.722		Surcharged
S86	15 min Summer	11	4.856	0.971	71.441		Surcharged
YG115A	-	0	5.200	0.000	0.000		OK
RWP/ACO113B	15 min Summer	12	4.800	0.000	0.000		OK
PS140	15 min Summer	11	4.787	0.087	1.105		OK
PS139	15 min Summer	11	4.781	0.281	1.735		Surcharged
RWP113A	15 min Summer	12	4.802	0.002	0.000		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RE113A	15 min Summer	11	4.803	0.103	0.414		Surcharged
PS137	15 min Summer	11	4.785	0.485	1.964		Surcharged
S74 (D)	15 min Summer	10	4.952	0.227	24.946		Surcharged
S75	15 min Summer	11	4.780	0.855	35.903		Surcharged
RWP117B	-	0	5.000	0.000	0.000		OK
RE117A	-	0	4.900	0.000	0.000		OK
PS134	15 min Summer	11	4.776	0.326	0.000		Surcharged
RWP117A	-	0	5.000	0.000	0.000		OK
RE117B	-	0	4.900	0.000	0.000		OK
PS135	15 min Summer	11	4.770	0.570	0.728		Surcharged
S76	15 min Summer	11	4.765	0.930	36.446		Surcharged
S77	15 min Summer	11	4.755	1.025	111.221		Surcharged
S78	15 min Summer	11	4.721	1.025	112.298		Surcharged
RWP15A	15 min Summer	10	5.488	0.188	0.000		Surcharged
RE14A	15 min Summer	10	5.487	0.287	9.206		Surcharged
PS95	15 min Summer	10	5.089	0.089	9.499		OK
RWP14B	-	0	5.300	0.000	0.000		OK
RE13A	-	0	5.200	0.000	0.000		OK
PS94	15 min Summer	11	4.752	0.052	9.112		OK
RWP10A	15 min Summer	10	5.381	0.281	0.055		Surcharged
RE10A	15 min Summer	10	5.380	0.330	8.855		Surcharged
PS4	15 min Summer	10	5.045	0.195	8.722		Surcharged
RWP12B	-	0	5.100	0.000	0.000		OK
PS5	15 min Summer	11	4.742	0.042	8.522		OK
S79	1440 min Winter	1397	4.708	1.038	0.903		Surcharged
RWP16A	15 min Summer	10	5.390	0.190	0.000		Surcharged
RE16A	15 min Summer	10	5.390	0.290	9.167		Surcharged
PS98	15 min Summer	10	4.978	0.078	9.428		OK
RWP17D	-	0	5.200	0.000	0.000		OK
RWP17C	-	0	5.200	0.000	0.000		OK
RE17A	-	0	4.800	0.000	0.000		OK
RWP18B	-	0	5.200	0.000	0.000		OK
PS99	1440 min Winter	1391	4.708	0.158	0.038		Surcharged
RWP9A	15 min Summer	10	5.145	0.145	0.000		Surcharged
RE9A	15 min Summer	10	5.145	0.195	9.109		Surcharged
PS7	15 min Summer	10	4.758	0.158	9.376		Surcharged
RWP7B	-	0	5.100	0.000	0.000		OK
PS12	-	0	5.000	0.000	0.000		OK
PS8	1440 min Winter	1385	4.708	0.308	0.034		Surcharged
S105	1440 min Winter	1394	4.708	1.138	0.966		Surcharged
PS119	-	0	5.400	0.000	0.000		OK
PS120	-	0	5.200	0.000	0.000		OK
RWP32C	-	0	5.450	0.000	0.000		OK
RE32B	-	0	5.300	0.000	0.000		OK
S127 (D)	15 min Summer	8	5.257	0.057	21.828		OK
PS118	15 min Summer	10	4.916	0.216	18.000		Surcharged
S91	15 min Summer	11	4.894	0.407	9.066		Surcharged
S128	15 min Summer	11	4.884	0.577	24.696		Surcharged
RWP28C	-	0	5.300	0.000	0.000		OK
RE28B	-	0	5.200	0.000	0.000		OK
PS117	15 min Summer	11	4.860	0.060	0.000		OK
RWP28A	-	0	5.300	0.000	0.000		OK
RE28A	-	0	5.200	0.000	0.000		OK
S129 (D)	15 min Summer	8	5.095	0.045	16.386		OK
PS115	15 min Summer	11	4.843	0.343	8.874		Surcharged
S92	15 min Summer	11	4.828	0.738	43.229		Surcharged
RWP25B	-	0	5.000	0.000	0.000		OK
RE25A	-	0	4.900	0.000	0.000		OK
PS114	15 min Summer	11	4.831	0.081	0.000		OK
RWP25A	-	0	5.200	0.000	0.000		OK
RE25B	-	0	5.000	0.000	0.000		OK
S130 (D)	15 min Summer	8	4.994	0.044	13.251		OK
PS111	15 min Summer	11	4.817	0.317	7.380		Surcharged
S93	15 min Summer	11	4.804	0.785	68.767		Surcharged
RWP23A	-	0	5.000	0.000	0.000		OK
RE23A	-	0	4.900	0.000	0.000		OK
PS108	15 min Summer	11	4.760	0.060	0.555		OK
RWP23C	-	0	5.000	0.000	0.000		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
PS110	15 min Summer	11	4.756	0.135	0.000		Surcharged
S131 (D)	15 min Summer	8	4.895	0.045	14.001		OK
PS109	15 min Summer	11	4.750	0.300	7.373		Surcharged
S94	15 min Summer	11	4.741	0.798	87.119		Surcharged
S135	1440 min Winter	1391	4.708	0.961	0.637		Surcharged
RE5A	-	0	4.850	0.000	0.000		OK
PS1	-	0	4.720	0.000	0.000		OK
RWP5A	-	0	4.900	0.000	0.000		OK
RE5B	1440 min Winter	1401	4.709	0.059	0.000		OK
RWP6B	-	0	4.900	0.000	0.000		OK
PS2	1440 min Winter	1391	4.709	0.276	0.025		Surcharged
S82	1440 min Winter	1391	4.708	0.898	0.106		Surcharged
S80	1440 min Winter	1394	4.708	1.162	1.734		Surcharged
S81	1440 min Winter	1394	4.708	1.183	1.747		Surcharged
S97	1440 min Winter	1393	4.708	1.258	3.218		Surcharged
S98	1440 min Winter	1393	4.708	1.308	3.237		Surcharged
S99	1440 min Winter	1393	3.395	0.045	3.237		Outfall

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
1.000	15 min Summer	0	RWP47G	RE47A	0.000	0.000	0.000	0.000	OK
1.001	15 min Summer	0	RE47A	PS156	0.000	0.000	0.000	0.000	OK
2.000	15 min Summer	0	RWP47F	PS156	0.000	0.000	0.000	0.000	OK
1.002	15 min Summer	10	PS156	PS155	0.050	0.000	0.000	0.000	OK
1.003	15 min Summer	11	PS155	PS154	0.100	0.294	2.101	0.342	Surcharged
1.004	15 min Winter	11	PS154	PS153	0.100	0.428	2.745	0.446	Surcharged
3.000	15 min Summer	0	RWP47A	RE47B	0.000	0.000	0.000	0.000	OK
3.001	15 min Summer	7	RE47B	PS153	0.050	0.000	0.000	0.000	OK
1.005	15 min Winter	11	PS153	S87	0.150	0.317	5.455	0.218	Surcharged
1.006	15 min Winter	9	S87	S96	0.225	1.085	43.149	1.222	OK
4.000	60 min Summer	45	S95 (D)	S96	0.089	1.233	6.773	0.264	OK
1.007	15 min Winter	9	S96	S88	0.300	1.426	100.238	1.669	Surcharged
5.000	15 min Summer	0	YG53A	PS161	0.000	0.000	0.000	0.000	OK
5.001	15 min Summer	10	PS161	PS162	0.011	0.000	0.000	0.000	OK
6.000	15 min Summer	0	RWP53G	RE53B	0.000	0.000	0.000	0.000	OK
6.001	15 min Summer	10	RE53B	PS162	0.011	0.000	0.000	0.000	OK
5.002	15 min Summer	11	PS162	S102	0.111	0.233	1.389	0.067	OK
5.003	15 min Summer	10	S102	S88	0.300	0.527	20.473	0.344	Surcharged
1.008	15 min Winter	9	S88	S89	0.375	1.057	116.712	1.249	Surcharged
1.009	15 min Winter	10	S89	S125	0.375	1.045	115.443	1.225	Surcharged
7.000	30 min Summer	22	S126 (D)	S125	0.084	1.150	1.660	0.039	OK
8.000	30 min Summer	22	S124 (D)	S125	0.082	1.319	1.357	0.023	OK
1.010	240 min Summer	232	S125	S90	0.375	0.903	51.109	0.551	Surcharged
9.000	15 min Summer	15	S122 (D)	S90	0.081	1.308	1.339	0.024	OK
10.000	1440 min Summer	1817	S132	S90	0.150	0.011	0.150	0.005	Surcharged
1.011	240 min Summer	186	S90	S107	0.375	0.909	51.563	0.509	Surcharged
1.012	240 min Summer	170	S107	S108	0.375	0.872	51.318	0.510	Surcharged
11.000	1440 min Winter	1390	S100	S101	0.173	0.484	3.651	0.024	OK
11.001	1440 min Winter	1390	S101	S108	0.269	0.656	2.191	0.015	OK
1.013	120 min Summer	99	S108	S121	0.375	1.012	79.946	0.815	Surcharged
1.014	60 min Summer	36	S121	S110	0.375	1.064	98.024	1.051	Surcharged
1.015	30 min Winter	21	S110	S97	0.375	1.161	121.175	0.969	Surcharged
12.000	15 min Summer	11	RWP100A	RE100B	0.009	0.000	0.000	0.000	OK
12.001	15 min Summer	12	RE100B	PS151	0.059	0.093	0.363	0.046	OK
12.002	30 min Summer	22	PS151	PS150	0.100	0.227	1.449	0.162	Surcharged
13.000	15 min Summer	9	RWP100B	RE100A	0.050	0.000	0.000	0.000	OK
13.001	15 min Winter	14	RE100A	PS150	0.100	0.243	1.806	0.238	Surcharged
14.000	15 min Summer	8	YG47A	PS150	0.050	0.000	0.000	0.000	OK
15.000	15 min Winter	15	ACO101A	PS150	0.100	0.484	3.030	0.280	Surcharged
12.003	15 min Winter	15	PS150	S83	0.150	0.455	8.040	0.330	Surcharged
12.004	15 min Winter	7	S83	S84	0.300	0.490	18.586	0.243	Surcharged
16.000	15 min Summer	12	RWP104A	PS141	0.056	0.107	0.489	0.032	OK
17.000	15 min Summer	12	YG104A	PS141	0.056	0.114	0.518	0.028	OK
16.001	15 min Summer	13	PS141	PS142	0.100	0.245	1.513	0.203	Surcharged

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
16.002	15 min Winter	13	PS142	PS143	0.100	0.308	2.419	0.313	Surcharged
18.000	15 min Summer	12	RWP104C	RE104A	0.059	0.116	0.151	0.011	OK
18.001	15 min Summer	12	RE104A	PS143	0.100	0.219	1.668	0.166	Surcharged
16.003	15 min Winter	16	PS143	S84	0.150	0.338	4.167	0.106	Surcharged
12.005	15 min Winter	7	S84	S85	0.300	0.747	39.355	0.637	Surcharged
19.000	15 min Summer	0	RWP44A	RE44A	0.000	0.000	0.000	0.000	OK
19.001	15 min Summer	0	RE44A	PS122	0.000	0.000	0.000	0.000	OK
19.002	15 min Summer	11	PS122	PS123	0.050	0.000	0.000	0.000	OK
20.000	15 min Summer	0	RWP44C	RE44B	0.000	0.000	0.000	0.000	OK
20.001	15 min Summer	11	RE44B	PS123	0.050	0.000	0.000	0.000	OK
19.003	15 min Summer	13	PS123	S112	0.150	0.150	1.904	0.066	Surcharged
19.004	15 min Winter	14	S112	S85	0.150	0.331	4.479	0.131	Surcharged
12.006	15 min Winter	7	S85	S86	0.300	0.778	47.345	0.746	Surcharged
12.007	15 min Winter	9	S86	S77	0.300	1.165	82.355	1.323	Surcharged
21.000	15 min Summer	11	YG115A	PS140	0.044	0.000	0.000	0.000	OK
22.000	15 min Summer	12		PS140	0.044	0.002	0.000	0.000	OK
21.001	15 min Summer	12	PS140	PS139	0.094	0.156	1.184	0.194	OK
21.002	30 min Summer	21	PS139	PS137	0.100	0.219	1.718	0.248	Surcharged
23.000	15 min Summer	12	RWP113A	RE113A	0.050	0.057	0.016	0.001	OK
23.001	15 min Summer	12	RE113A	PS137	0.100	0.171	1.130	0.139	Surcharged
21.003	15 min Winter	16	PS137	S75	0.150	0.252	3.892	0.129	Surcharged
24.000	15 min Summer	10	S74 (D)	S75	0.150	2.595	29.953	0.656	Surcharged
21.004	15 min Winter	7	S75	S76	0.300	0.924	50.740	0.741	Surcharged
25.000	15 min Summer	0	RWP117B	RE117A	0.000	0.000	0.000	0.000	OK
25.001	15 min Summer	10	RE117A	PS134	0.050	0.000	0.000	0.000	OK
25.002	15 min Winter	15	PS134	PS135	0.150	0.219	2.637	0.104	Surcharged
26.000	15 min Summer	0	RWP117A	RE117B	0.000	0.000	0.000	0.000	OK
26.001	15 min Summer	8	RE117B	PS135	0.050	0.000	0.000	0.000	OK
25.003	15 min Winter	15	PS135	S76	0.150	0.319	5.645	0.201	Surcharged
21.005	15 min Winter	10	S76	S77	0.300	0.778	36.916	0.566	Surcharged
12.008	15 min Winter	10	S77	S78	0.375	0.996	110.000	1.020	Surcharged
12.009	15 min Winter	11	S78	S79	0.375	0.992	109.547	1.046	Surcharged
27.000	30 min Summer	19	RWP15A	RE14A	0.100	0.204	1.361	0.085	Surcharged
27.001	15 min Summer	10	RE14A	PS95	0.094	1.236	9.499	1.417	OK
27.002	15 min Summer	10	PS95	PS94	0.091	1.291	9.459	1.064	OK
28.000	15 min Summer	0	RWP14B	RE13A	0.000	0.000	0.000	0.000	OK
28.001	15 min Summer	11	RE13A	PS94	0.001	0.000	0.000	0.000	OK
27.003	15 min Summer	11	PS94	S79	0.101	1.634	9.268	0.198	OK
29.000	15 min Winter	13	RWP10A	RE10A	0.100	0.513	2.928	0.198	Surcharged
29.001	15 min Winter	10	RE10A	PS4	0.100	1.049	8.240	1.236	Surcharged
29.002	15 min Summer	11	PS4	PS5	0.095	1.103	8.522	1.470	OK
30.000	15 min Summer	0	RWP12B	PS5	0.000	0.000	0.000	0.000	OK
29.003	15 min Summer	11	PS5	S79	0.096	1.778	8.564	0.158	OK
12.010	15 min Winter	11	S79	S105	0.375	1.359	150.050	1.417	Surcharged
31.000	30 min Summer	19	RWP16A	RE16A	0.100	0.202	1.364	0.084	Surcharged
31.001	15 min Summer	10	RE16A	PS98	0.089	1.277	9.428	1.405	OK
31.002	15 min Summer	10	PS98	PS99	0.078	1.436	9.442	0.957	OK
32.000	15 min Summer	0	RWP17D	RE17A	0.000	0.000	0.000	0.000	OK
33.000	15 min Summer	0	RWP17C	RE17A	0.000	0.000	0.000	0.000	OK
32.001	1440 min Summer	1383	RE17A	PS99	0.050	0.000	0.000	0.000	OK
34.000	1440 min Summer	1383	RWP18B	PS99	0.050	0.000	0.000	0.000	OK
31.003	1440 min Winter	1268	PS99	S105	0.150	0.658	0.441	0.010	Surcharged
35.000	15 min Summer	11	RWP9A	RE9A	0.100	0.237	1.830	0.134	Surcharged
35.001	30 min Summer	16	RE9A	PS7	0.100	1.230	9.296	1.048	Surcharged
35.002	1440 min Summer	1383	PS7	PS8	0.100	0.795	0.692	0.084	Surcharged
36.000	15 min Summer	0	RWP7B	PS12	0.000	0.000	0.000	0.000	OK
36.001	15 min Summer	11	PS12	PS8	0.050	0.000	0.000	0.000	OK
35.003	360 min Summer	256	PS8	S105	0.150	0.926	2.133	0.046	Surcharged
12.011	15 min Winter	11	S105	S80	0.375	1.490	164.592	1.534	Surcharged
37.000	15 min Summer	0	PS119	PS120	0.000	0.000	0.000	0.000	OK
37.001	15 min Summer	10	PS120	PS118	0.050	0.000	0.000	0.000	OK
38.000	15 min Summer	0	RWP32C	RE32B	0.000	0.000	0.000	0.000	OK
38.001	15 min Summer	9	RE32B	PS118	0.050	0.000	0.000	0.000	OK
39.000	15 min Summer	10	S127 (D)	PS118	0.101	2.858	21.536	0.307	OK
37.002	30 min Summer	18	PS118	S128	0.150	2.281	19.279	0.452	Surcharged
40.000	30 min Summer	17	S91	S128	0.225	0.719	16.570	0.392	OK
37.003	15 min Winter	8	S128	S92	0.225	1.102	30.440	0.720	OK
41.000	15 min Summer	0	RWP28C	RE28B	0.000	0.000	0.000	0.000	OK

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
41.001	15 min Summer	11	RE28B	PS117	0.030	0.000	0.000	0.000	OK
41.002	15 min Summer	12	PS117	PS115	0.080	0.202	0.521	0.065	OK
42.000	15 min Summer	0	RWP28A	RE28A	0.000	0.000	0.000	0.000	OK
42.001	15 min Summer	9	RE28A	PS115	0.050	0.000	0.000	0.000	OK
43.000	15 min Summer	9	S129 (D)	PS115	0.097	2.611	16.328	0.202	OK
41.003	15 min Winter	9	PS115	S92	0.150	1.945	14.043	0.354	Surcharged
37.004	15 min Winter	7	S92	S93	0.300	0.768	43.680	0.593	Surcharged
44.000	15 min Summer	0	RWP25B	RE25A	0.000	0.000	0.000	0.000	OK
44.001	15 min Summer	11	RE25A	PS114	0.041	0.000	0.000	0.000	OK
44.002	15 min Summer	12	PS114	PS111	0.091	0.204	1.102	0.153	OK
45.000	15 min Summer	0	RWP25A	RE25B	0.000	0.000	0.000	0.000	OK
45.001	15 min Summer	9	RE25B	PS111	0.050	0.000	0.000	0.000	OK
46.000	15 min Summer	9	S130 (D)	PS111	0.097	2.294	11.182	0.190	OK
44.003	30 min Summer	17	PS111	S93	0.150	1.658	9.860	0.221	Surcharged
37.005	15 min Winter	9	S93	S94	0.300	1.043	72.445	0.983	Surcharged
47.000	15 min Summer	0	RWP23A	RE23A	0.000	0.000	0.000	0.000	OK
47.001	15 min Summer	11	RE23A	PS108	0.030	0.000	0.000	0.000	OK
47.002	15 min Summer	12	PS108	PS109	0.080	0.217	1.136	0.156	OK
48.000	15 min Summer	11	RWP23C	PS110	0.050	0.000	0.000	0.000	OK
48.001	30 min Summer	21	PS110	PS109	0.100	0.208	0.978	0.183	Surcharged
49.000	15 min Summer	9	S131 (D)	PS109	0.097	2.388	11.873	0.196	OK
47.003	15 min Winter	10	PS109	S94	0.150	1.599	10.377	0.224	Surcharged
37.006	15 min Winter	8	S94	S135	0.300	1.285	90.832	1.365	Surcharged
37.007	15 min Winter	11	S135	S80	0.300	1.209	85.438	0.957	Surcharged
50.000	15 min Summer	0	RE5A	PS1	0.000	0.000	0.000	0.000	OK
50.001	360 min Summer	291	PS1	PS2	0.050	0.000	0.000	0.000	OK
51.000	1440 min Winter	1401	RWP5A	RE5B	0.029	0.000	0.000	0.000	OK
51.001	1440 min Winter	1454	RE5B	PS2	0.079	0.016	0.090	0.015	OK
52.000	360 min Summer	291	RWP6B	PS2	0.050	0.000	0.000	0.000	OK
50.002	1440 min Winter	1454	PS2	S82	0.150	0.009	0.130	0.004	Surcharged
50.003	15 min Winter	9	S82	S80	0.225	0.793	23.430	0.612	OK
12.012	15 min Winter	11	S80	S81	0.375	2.385	263.414	2.459	Surcharged
12.013	15 min Winter	11	S81	S97	0.375	2.759	260.823	2.599	Surcharged
1.016	15 min Winter	10	S97	S98	0.300	0.535	28.709	0.278	Surcharged
1.017	1440 min Winter	1393	S98	S99	0.045	0.565	3.237	0.091	OK

Permeable Paving Storage

Permeable Paving	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S95	60 min Summer	45	5.249	0.098	4.924		OK
S126	30 min Summer	22	5.183	0.038	1.713		OK
S124	30 min Summer	22	5.291	0.033	1.295		OK
S122	30 min Summer	22	5.396	0.035	1.437		OK
S74	60 min Summer	44	5.050	0.077	4.519		OK
S127	60 min Summer	41	5.305	0.060	3.346		OK
S129	30 min Summer	24	5.138	0.047	2.110		OK
S130	30 min Summer	23	5.009	0.081	2.578		OK
S131	60 min Summer	38	4.912	0.085	2.947		OK

Return Period Yrs: 100.0

Climate Change %: 45

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RWP47G	15 min Summer	12	5.365	0.015	0.000		OK
RE47A	15 min Summer	11	5.372	0.072	1.180		OK
RWP47F	15 min Summer	11	5.376	0.076	0.483		OK
PS156	15 min Summer	11	5.376	0.201	2.106		Surcharged
PS155	15 min Summer	11	5.383	0.358	1.212		Surcharged
PS154	15 min Summer	10	5.410	0.490	4.515		Surcharged
RWP47A	15 min Summer	10	5.464	0.164	0.630		Surcharged
RE47B	15 min Summer	10	5.463	0.263	1.209		Surcharged
PS153	15 min Summer	10	5.455	0.680	5.278		Surcharged
S87	15 min Summer	10	5.454	0.854	55.218		Surcharged
S95 (D)	15 min Summer	10	5.250	0.200	6.227		Surcharged
S96	15 min Summer	10	5.271	0.836	121.919		Surcharged
YG53A	-	0	5.200	0.000	0.000		OK
PS161	-	0	5.000	0.000	0.000		OK
RWP53G	-	0	5.200	0.000	0.000		OK
RE53B	1440 min Winter	1397	4.923	0.073	0.000		OK
PS162	1440 min Winter	1402	4.923	0.273	0.013		Surcharged
S102	1440 min Winter	1402	4.923	0.508	0.111		Surcharged
S88	1440 min Winter	1394	4.923	0.668	0.896		Surcharged
S89	1440 min Winter	1394	4.923	0.693	0.910		Surcharged
S126 (D)	30 min Summer	22	5.074	0.024	2.317		OK
S124 (D)	30 min Summer	21	5.169	0.019	1.904		OK
S125	1440 min Winter	1394	4.923	0.723	1.056		Surcharged
S122 (D)	30 min Summer	21	5.270	0.020	2.057		OK
S132	1440 min Winter	1399	4.923	0.380	0.005		Surcharged
S90	1440 min Winter	1404	4.923	0.773	0.893		Surcharged
S107	1440 min Winter	1404	4.923	0.798	0.877		Flood Risk
S100	1440 min Winter	1400	4.923	0.323	0.078		Surcharged
S101	1440 min Winter	1400	4.923	0.453	0.135		Flood Risk
S108	1440 min Winter	1400	4.923	0.848	1.142		Flood Risk
S121	1440 min Winter	1399	4.923	0.873	1.148		Surcharged
S110	1440 min Winter	1399	4.923	0.923	1.295		Flood Risk
RWP100A	30 min Summer	20	5.184	0.184	0.616		Surcharged
RE100B	30 min Summer	20	5.184	0.284	1.212		Surcharged
PS151	30 min Summer	20	5.185	0.485	1.494		Surcharged
RWP100B	15 min Summer	12	5.196	0.196	0.000		Surcharged
RE100A	15 min Summer	12	5.196	0.596	1.168		Surcharged
YG47A	15 min Summer	11	5.213	0.113	0.000		Surcharged
ACO101A	15 min Summer	11	5.215	0.669	0.000		Surcharged
PS150	15 min Summer	11	5.210	0.860	6.883		Surcharged
S83	15 min Summer	10	5.219	1.159	30.756		Surcharged
RWP104A	30 min Summer	21	5.162	0.262	0.111		Surcharged
YG104A	30 min Summer	21	5.162	0.262	0.106		Surcharged
PS141	30 min Summer	21	5.161	0.361	0.311		Surcharged
PS142	30 min Summer	20	5.154	0.554	2.922		Surcharged
RWP104C	15 min Summer	11	5.198	0.298	1.194		Surcharged
RE104A	15 min Summer	11	5.198	0.398	2.303		Surcharged
PS143	15 min Summer	11	5.204	0.854	6.629		Surcharged
S84	15 min Summer	10	5.218	1.213	49.973		Surcharged
RWP44A	-	0	5.300	0.000	0.000		OK
RE44A	15 min Summer	12	5.218	0.018	0.000		OK
PS122	15 min Summer	11	5.225	0.225	1.103		Surcharged
RWP44C	-	0	5.300	0.000	0.000		OK
RE44B	15 min Summer	11	5.224	0.224	1.374		Surcharged
PS123	15 min Summer	11	5.221	0.471	2.569		Surcharged
S112	15 min Summer	11	5.218	0.589	2.314		Surcharged
S85	15 min Summer	10	5.210	1.235	59.661		Surcharged
S86	15 min Summer	10	5.169	1.284	102.195		Surcharged
YG115A	-	0	5.200	0.000	0.000		OK
RWP/ACO113B	30 min Summer	21	5.035	0.235	0.000		Surcharged
PS140	30 min Summer	21	5.035	0.335	0.308		Surcharged
PS139	30 min Summer	20	5.026	0.526	1.545		Surcharged
RWP113A	30 min Summer	20	5.041	0.241	0.000		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RE113A	30 min Summer	20	5.041	0.341	0.251		Surcharged
PS137	30 min Summer	19	5.031	0.731	5.249		Surcharged
S74 (D)	15 min Summer	10	5.124	0.399	31.573		Surcharged
S75	30 min Summer	19	5.035	1.110	36.696		Surcharged
RWP117B	30 min Summer	20	5.026	0.026	0.000		OK
RE117A	30 min Summer	20	5.026	0.126	0.371		Surcharged
PS134	15 min Summer	11	5.029	0.579	1.661		Surcharged
RWP117A	30 min Summer	20	5.023	0.023	0.000		OK
RE117B	30 min Summer	20	5.023	0.123	0.400		Surcharged
PS135	15 min Summer	11	5.023	0.823	2.944		Surcharged
S76	30 min Summer	19	5.020	1.185	31.706		Surcharged
S77	30 min Summer	19	5.013	1.283	111.934		Surcharged
S78	30 min Summer	19	4.980	1.284	112.055		Surcharged
RWP15A	15 min Summer	10	5.705	0.405	0.378		Flood Risk
RE14A	15 min Summer	10	5.705	0.505	11.461		Flood Risk
PS95	15 min Summer	11	5.257	0.257	9.808		Surcharged
RWP14B	-	0	5.300	0.000	0.000		OK
RE13A	-	0	5.200	0.000	0.000		OK
PS94	30 min Summer	19	4.981	0.281	8.877		Surcharged
RWP10A	15 min Summer	10	5.610	0.510	0.621		Flood Risk
RE10A	15 min Summer	10	5.610	0.560	11.461		Flood Risk
PS4	15 min Summer	11	5.204	0.354	9.399		Surcharged
RWP12B	-	0	5.100	0.000	0.000		OK
PS5	30 min Summer	19	4.972	0.272	8.452		Surcharged
S79	30 min Summer	19	4.952	1.282	156.721		Surcharged
RWP16A	15 min Summer	10	5.589	0.389	0.074		Flood Risk
RE16A	15 min Summer	10	5.589	0.489	11.461		Flood Risk
PS98	15 min Summer	11	5.069	0.169	10.462		Surcharged
RWP17D	-	0	5.200	0.000	0.000		OK
RWP17C	-	0	5.200	0.000	0.000		OK
RE17A	1440 min Winter	1407	4.923	0.123	0.002		Surcharged
RWP18B	-	0	5.200	0.000	0.000		OK
PS99	1440 min Winter	1400	4.923	0.373	0.037		Surcharged
RWP9A	15 min Summer	10	5.379	0.379	0.521		Surcharged
RE9A	15 min Summer	10	5.379	0.429	11.461		Surcharged
PS7	15 min Summer	11	4.964	0.364	9.479		Surcharged
RWP7B	-	0	5.100	0.000	0.000		OK
PS12	-	0	5.000	0.000	0.000		OK
PS8	1440 min Winter	1397	4.923	0.523	0.046		Surcharged
S105	1440 min Winter	1400	4.923	1.353	1.161		Surcharged
PS119	-	0	5.400	0.000	0.000		OK
PS120	15 min Summer	11	5.252	0.052	0.186		OK
RWP32C	-	0	5.450	0.000	0.000		OK
RE32B	-	0	5.300	0.000	0.000		OK
S127 (D)	15 min Summer	10	5.296	0.096	22.492		OK
PS118	15 min Summer	10	5.239	0.539	20.310		Surcharged
S91	15 min Summer	10	5.214	0.727	19.960		Surcharged
S128	15 min Summer	11	5.191	0.884	30.716		Surcharged
RWP28C	-	0	5.300	0.000	0.000		OK
RE28B	-	0	5.200	0.000	0.000		OK
PS117	15 min Summer	11	5.140	0.340	0.000		Surcharged
RWP28A	-	0	5.300	0.000	0.000		OK
RE28A	-	0	5.200	0.000	0.000		OK
S129 (D)	15 min Summer	10	5.142	0.092	16.860		OK
PS115	15 min Summer	11	5.138	0.638	12.655		Surcharged
S92	15 min Summer	10	5.112	1.022	55.945		Surcharged
RWP25B	30 min Summer	20	5.081	0.081	0.000		OK
RE25A	30 min Summer	20	5.080	0.180	0.240		Surcharged
PS114	30 min Summer	20	5.076	0.326	0.469		Surcharged
RWP25A	-	0	5.200	0.000	0.000		OK
RE25B	15 min Summer	11	5.086	0.086	0.000		OK
S130 (D)	30 min Summer	19	5.077	0.127	8.100		OK
PS111	30 min Summer	19	5.076	0.576	3.208		Surcharged
S93	30 min Summer	19	5.073	1.054	76.173		Surcharged
RWP23A	30 min Summer	20	5.004	0.004	0.000		OK
RE23A	30 min Summer	19	5.004	0.104	0.473		Surcharged
PS108	30 min Summer	19	5.003	0.303	0.581		Surcharged
RWP23C	-	0	5.000	0.000	0.000		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
PS110	30 min Summer	19	4.997	0.376	0.105		Surcharged
S131 (D)	30 min Summer	19	4.997	0.147	8.559		OK
PS109	30 min Summer	19	4.998	0.548	0.653		Surcharged
S94	30 min Summer	19	4.996	1.054	89.904		Surcharged
S135	1440 min Winter	1398	4.923	1.176	0.673		Surcharged
RE5A	1440 min Winter	1405	4.924	0.074	0.000		OK
PS1	1440 min Winter	1409	4.924	0.204	0.007		Surcharged
RWP5A	1440 min Winter	1397	4.923	0.023	0.000		OK
RE5B	1440 min Winter	1397	4.924	0.274	0.003		Surcharged
RWP6B	1440 min Winter	1397	4.923	0.023	0.002		OK
PS2	1440 min Winter	1401	4.923	0.491	0.077		Surcharged
S82	1440 min Winter	1408	4.923	1.113	0.090		Surcharged
S80	1440 min Winter	1431	4.924	1.377	0.137		Surcharged
S81	1440 min Winter	1402	4.923	1.398	1.863		Flood Risk
S97	1440 min Winter	1401	4.923	1.473	3.540		Flood Risk
S98	1440 min Winter	1401	4.923	1.523	3.478		Flood Risk
S99	1440 min Winter	1402	3.397	0.047	3.478		Outfall

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
1.000	15 min Summer	12	RWP47G	RE47A	0.042	0.206	0.648	0.050	OK
1.001	15 min Summer	12	RE47A	PS156	0.086	0.343	2.435	0.349	OK
2.000	15 min Summer	13	RWP47F	PS156	0.088	0.088	0.343	0.018	OK
1.002	15 min Winter	12	PS156	PS155	0.100	0.302	2.374	0.366	Surcharged
1.003	15 min Winter	13	PS155	PS154	0.100	0.616	4.837	0.787	Surcharged
1.004	15 min Winter	13	PS154	PS153	0.100	0.986	7.743	1.260	Surcharged
3.000	15 min Summer	11	RWP47A	RE47B	0.100	0.287	2.255	0.115	Surcharged
3.001	15 min Winter	11	RE47B	PS153	0.100	0.415	3.263	0.276	Surcharged
1.005	15 min Winter	13	PS153	S87	0.150	0.655	11.580	0.463	Surcharged
1.006	15 min Winter	9	S87	S96	0.225	1.250	49.697	1.408	OK
4.000	30 min Summer	31	S95 (D)	S96	0.150	1.320	8.688	0.338	Surcharged
1.007	15 min Winter	9	S96	S88	0.300	1.666	117.760	1.960	Surcharged
5.000	15 min Summer	0	YG53A	PS161	0.000	0.000	0.000	0.000	OK
5.001	15 min Summer	9	PS161	PS162	0.050	0.000	0.000	0.000	OK
6.000	1440 min Winter	1397	RWP53G	RE53B	0.037	0.000	0.000	0.000	OK
6.001	1440 min Winter	1523	RE53B	PS162	0.087	0.013	0.077	0.011	OK
5.002	15 min Winter	13	PS162	S102	0.150	0.225	2.210	0.106	Surcharged
5.003	15 min Winter	9	S102	S88	0.300	0.535	23.813	0.400	Surcharged
1.008	15 min Winter	10	S88	S89	0.375	1.236	136.546	1.461	Surcharged
1.009	15 min Winter	10	S89	S125	0.375	1.229	135.739	1.441	Surcharged
7.000	30 min Summer	22	S126 (D)	S125	0.087	0.627	2.322	0.054	OK
8.000	30 min Summer	21	S124 (D)	S125	0.084	0.650	1.904	0.033	OK
1.010	15 min Winter	10	S125	S90	0.375	1.478	163.265	1.761	Surcharged
9.000	30 min Summer	21	S122 (D)	S90	0.085	0.619	2.056	0.037	OK
10.000	1440 min Winter	1441	S132	S90	0.150	0.013	0.221	0.008	Surcharged
1.011	15 min Winter	10	S90	S107	0.375	1.483	161.072	1.590	Surcharged
1.012	15 min Winter	11	S107	S108	0.375	1.748	159.967	1.591	Surcharged
11.000	1440 min Summer	1258	S100	S101	0.300	0.596	11.046	0.071	Surcharged
11.001	480 min Summer	359	S101	S108	0.300	0.830	7.622	0.053	Surcharged
1.013	15 min Winter	11	S108	S121	0.375	1.042	112.338	1.145	Surcharged
1.014	15 min Winter	11	S121	S110	0.375	1.011	109.662	1.176	Surcharged
1.015	15 min Winter	11	S110	S97	0.375	1.314	138.086	1.104	Surcharged
12.000	15 min Winter	15	RWP100A	RE100B	0.100	0.209	1.285	0.090	Surcharged
12.001	15 min Winter	15	RE100B	PS151	0.100	0.324	2.419	0.304	Surcharged
12.002	15 min Winter	16	PS151	PS150	0.100	0.549	4.312	0.483	Surcharged
13.000	15 min Winter	14	RWP100B	RE100A	0.100	0.172	1.240	0.039	Surcharged
13.001	15 min Winter	18	RE100A	PS150	0.100	0.412	2.711	0.358	Surcharged
14.000	15 min Summer	13	YG47A	PS150	0.100	0.209	1.072	0.054	Surcharged
15.000	15 min Winter	18	ACO101A	PS150	0.100	0.351	2.722	0.251	Surcharged
12.003	15 min Winter	17	PS150	S83	0.150	0.590	10.427	0.429	Surcharged
12.004	15 min Winter	13	S83	S84	0.300	0.482	18.341	0.240	Surcharged
16.000	15 min Winter	17	RWP104A	PS141	0.100	0.261	1.417	0.092	Surcharged
17.000	15 min Winter	17	YG104A	PS141	0.100	0.478	2.514	0.136	Surcharged
16.001	15 min Winter	17	PS141	PS142	0.100	0.546	4.289	0.576	Surcharged

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
16.002	15 min Winter	17	PS142	PS143	0.100	0.760	5.968	0.773	Surcharged
18.000	15 min Winter	15	RWP104C	RE104A	0.100	0.184	1.436	0.108	Surcharged
18.001	15 min Winter	16	RE104A	PS143	0.100	0.445	3.496	0.347	Surcharged
16.003	15 min Winter	16	PS143	S84	0.150	0.596	10.536	0.267	Surcharged
12.005	15 min Winter	6	S84	S85	0.300	0.754	37.801	0.612	Surcharged
19.000	15 min Summer	12	RWP44A	RE44A	0.009	0.000	0.000	0.000	OK
19.001	15 min Summer	12	RE44A	PS122	0.059	0.094	0.454	0.069	OK
19.002	15 min Winter	14	PS122	PS123	0.100	0.229	1.476	0.197	Surcharged
20.000	15 min Summer	10	RWP44C	RE44B	0.050	0.000	0.000	0.000	OK
20.001	15 min Winter	12	RE44B	PS123	0.100	0.199	1.253	0.204	Surcharged
19.003	15 min Winter	14	PS123	S112	0.150	0.226	4.002	0.139	Surcharged
19.004	15 min Winter	17	S112	S85	0.150	0.383	6.349	0.185	Surcharged
12.006	15 min Winter	13	S85	S86	0.300	0.764	51.401	0.810	Surcharged
12.007	15 min Winter	8	S86	S77	0.300	1.310	92.589	1.487	Surcharged
21.000	15 min Summer	10	YG115A	PS140	0.050	0.000	0.000	0.000	OK
22.000	15 min Winter	16		PS140	0.100	0.210	1.336	0.075	Surcharged
21.001	15 min Winter	17	PS140	PS139	0.100	0.372	2.504	0.410	Surcharged
21.002	15 min Winter	17	PS139	PS137	0.100	0.619	4.862	0.703	Surcharged
23.000	15 min Winter	15	RWP113A	RE113A	0.100	0.159	1.203	0.068	Surcharged
23.001	15 min Winter	16	RE113A	PS137	0.100	0.379	2.973	0.367	Surcharged
21.003	15 min Winter	16	PS137	S75	0.150	0.497	8.786	0.291	Surcharged
24.000	15 min Winter	8	S74 (D)	S75	0.150	2.515	33.518	0.734	Surcharged
21.004	15 min Winter	8	S75	S76	0.300	0.923	56.816	0.829	Surcharged
25.000	30 min Summer	20	RWP117B	RE117A	0.063	0.071	0.371	0.022	OK
25.001	30 min Summer	21	RE117A	PS134	0.100	0.144	0.932	0.111	Surcharged
25.002	15 min Winter	18	PS134	PS135	0.150	0.174	2.739	0.108	Surcharged
26.000	30 min Summer	20	RWP117A	RE117B	0.062	0.079	0.400	0.032	OK
26.001	30 min Summer	20	RE117B	PS135	0.100	0.144	0.785	0.074	Surcharged
25.003	15 min Winter	18	PS135	S76	0.150	0.293	5.181	0.185	Surcharged
21.005	30 min Summer	23	S76	S77	0.300	0.756	37.452	0.574	Surcharged
12.008	15 min Winter	10	S77	S78	0.375	1.111	122.730	1.138	Surcharged
12.009	15 min Winter	10	S78	S79	0.375	1.077	118.992	1.136	Surcharged
27.000	15 min Winter	13	RWP15A	RE14A	0.100	0.285	2.242	0.140	Surcharged
27.001	15 min Winter	9	RE14A	PS95	0.100	1.318	10.351	1.544	Surcharged
27.002	15 min Winter	10	PS95	PS94	0.100	1.288	9.667	1.088	Surcharged
28.000	15 min Summer	0	RWP14B	RE13A	0.000	0.000	0.000	0.000	OK
28.001	15 min Summer	10	RE13A	PS94	0.050	0.000	0.000	0.000	OK
27.003	15 min Winter	13	PS94	S79	0.150	1.651	9.668	0.207	Surcharged
29.000	15 min Winter	14	RWP10A	RE10A	0.100	0.401	2.345	0.159	Surcharged
29.001	15 min Winter	10	RE10A	PS4	0.100	1.255	9.856	1.478	Surcharged
29.002	15 min Winter	10	PS4	PS5	0.100	1.164	9.029	1.557	Surcharged
30.000	15 min Summer	10	RWP12B	PS5	0.050	0.000	0.000	0.000	OK
29.003	15 min Winter	13	PS5	S79	0.150	1.794	9.307	0.172	Surcharged
12.010	15 min Winter	10	S79	S105	0.375	1.544	170.560	1.610	Surcharged
31.000	15 min Winter	13	RWP16A	RE16A	0.100	0.330	2.442	0.150	Surcharged
31.001	15 min Winter	10	RE16A	PS98	0.100	1.391	10.810	1.611	Surcharged
31.002	30 min Summer	18	PS98	PS99	0.100	1.425	10.557	1.069	Surcharged
32.000	1440 min Winter	1191	RWP17D	RE17A	0.050	0.000	0.000	0.000	OK
33.000	1440 min Winter	1191	RWP17C	RE17A	0.050	0.000	0.000	0.000	OK
32.001	1440 min Summer	1871	RE17A	PS99	0.100	0.020	0.121	0.012	Surcharged
34.000	15 min Summer	11	RWP18B	PS99	0.050	0.000	0.000	0.000	OK
31.003	15 min Winter	11	PS99	S105	0.150	1.475	10.071	0.223	Surcharged
35.000	30 min Winter	22	RWP9A	RE9A	0.100	0.471	2.367	0.173	Surcharged
35.001	15 min Winter	9	RE9A	PS7	0.100	1.321	10.376	1.170	Surcharged
35.002	30 min Summer	16	PS7	PS8	0.100	1.529	9.531	1.152	Surcharged
36.000	15 min Summer	0	RWP7B	PS12	0.000	0.000	0.000	0.000	OK
36.001	15 min Summer	9	PS12	PS8	0.050	0.000	0.000	0.000	OK
35.003	15 min Winter	10	PS8	S105	0.150	1.505	9.000	0.194	Surcharged
12.011	15 min Winter	10	S105	S80	0.375	1.630	180.052	1.679	Surcharged
37.000	15 min Summer	11	PS119	PS120	0.026	0.000	0.000	0.000	OK
37.001	15 min Summer	12	PS120	PS118	0.076	0.100	0.463	0.044	OK
38.000	15 min Summer	0	RWP32C	RE32B	0.000	0.000	0.000	0.000	OK
38.001	15 min Summer	8	RE32B	PS118	0.050	0.000	0.000	0.000	OK
39.000	15 min Summer	10	S127 (D)	PS118	0.123	2.914	27.678	0.394	OK
37.002	30 min Summer	16	PS118	S128	0.150	2.302	22.475	0.527	Surcharged
40.000	30 min Summer	15	S91	S128	0.225	0.730	19.239	0.455	OK
37.003	15 min Winter	7	S128	S92	0.225	1.072	33.976	0.803	OK
41.000	15 min Summer	0	RWP28C	RE28B	0.000	0.000	0.000	0.000	OK

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
41.001	15 min Summer	9	RE28B	PS117	0.050	0.000	0.000	0.000	OK
41.002	15 min Winter	15	PS117	PS115	0.100	0.212	1.633	0.204	Surcharged
42.000	15 min Summer	0	RWP28A	RE28A	0.000	0.000	0.000	0.000	OK
42.001	15 min Summer	8	RE28A	PS115	0.050	0.000	0.000	0.000	OK
43.000	15 min Summer	10	S129 (D)	PS115	0.121	2.744	21.015	0.260	OK
41.003	30 min Summer	15	PS115	S92	0.150	1.863	15.344	0.387	Surcharged
37.004	15 min Winter	11	S92	S93	0.300	0.773	53.764	0.730	Surcharged
44.000	30 min Summer	23	RWP25B	RE25A	0.090	0.182	0.835	0.040	OK
44.001	15 min Winter	14	RE25A	PS114	0.100	0.189	1.459	0.213	Surcharged
44.002	15 min Winter	15	PS114	PS111	0.100	0.380	2.986	0.414	Surcharged
45.000	15 min Summer	11	RWP25A	RE25B	0.043	0.000	0.000	0.000	OK
45.001	15 min Summer	11	RE25B	PS111	0.093	0.178	1.300	0.120	OK
46.000	30 min Summer	19	S130 (D)	PS111	0.139	2.213	13.314	0.226	OK
44.003	30 min Summer	23	PS111	S93	0.150	1.638	13.817	0.309	Surcharged
37.005	15 min Winter	10	S93	S94	0.300	1.160	81.977	1.112	Surcharged
47.000	30 min Summer	20	RWP23A	RE23A	0.051	0.021	0.055	0.003	OK
47.001	30 min Summer	24	RE23A	PS108	0.100	0.126	0.662	0.083	Surcharged
47.002	15 min Winter	15	PS108	PS109	0.100	0.261	1.774	0.244	Surcharged
48.000	15 min Summer	9	RWP23C	PS110	0.050	0.000	0.000	0.000	OK
48.001	15 min Winter	17	PS110	PS109	0.100	0.326	1.986	0.372	Surcharged
49.000	30 min Summer	19	S131 (D)	PS109	0.149	2.300	14.013	0.232	OK
47.003	30 min Summer	24	PS109	S94	0.150	1.571	14.724	0.317	Surcharged
37.006	15 min Winter	10	S94	S135	0.300	1.433	101.320	1.522	Surcharged
37.007	15 min Winter	10	S135	S80	0.300	1.357	95.917	1.074	Surcharged
50.000	1440 min Winter	1468	RE5A	PS1	0.087	0.015	0.080	0.013	OK
50.001	1440 min Summer	1473	PS1	PS2	0.100	0.015	0.111	0.013	Surcharged
51.000	1440 min Winter	1561	RWP5A	RE5B	0.062	0.016	0.067	0.003	OK
51.001	1440 min Summer	2439	RE5B	PS2	0.100	0.015	0.105	0.017	Surcharged
52.000	1440 min Winter	1552	RWP6B	PS2	0.062	0.022	0.098	0.004	OK
50.002	15 min Winter	16	PS2	S82	0.150	0.110	1.713	0.051	Surcharged
50.003	15 min Winter	8	S82	S80	0.225	0.770	30.618	0.800	OK
12.012	15 min Winter	10	S80	S81	0.375	2.668	294.701	2.751	Surcharged
12.013	15 min Winter	10	S81	S97	0.375	2.786	290.014	2.890	Surcharged
1.016	30 min Summer	14	S97	S98	0.300	0.499	26.530	0.257	Surcharged
1.017	1440 min Winter	1402	S98	S99	0.047	0.577	3.478	0.098	OK

Permeable Paving Storage

Permeable Paving	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S95	60 min Summer	47	5.277	0.127	7.760		OK
S126	30 min Summer	21	5.192	0.048	2.478		OK
S124	30 min Summer	21	5.299	0.042	1.872		OK
S122	30 min Summer	21	5.405	0.044	2.079		OK
S74	60 min Summer	40	5.091	0.118	8.189		OK
S127	30 min Summer	24	5.320	0.076	4.486		OK
S129	30 min Summer	22	5.155	0.063	3.284		OK
S130	30 min Summer	21	5.078	0.150	4.202		OK
S131	30 min Summer	21	4.997	0.170	4.756		OK