

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	5.937	5.300	0.537	488858.167	98380.591
RE47B	0.000	0.180	Type E	5.988	5.200	0.688	488858.708	98381.397
PS153	0.000	0.450	450	6.042	4.775	1.117	488868.610	98380.373
S87	0.080	1.350	Type C	5.915	4.600	1.090	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	Unknown	6.126	4.750	1.226	488853.844	98388.697
S112	0.000	1.350	Type C	5.935	4.628	1.157	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

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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	5.702	4.550	1.002	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	1.117
3.000	RWP47A	5.300	RE47B	5.200	Circ	0.1mØ	0.971	9.7	0.600	0.537	0.688
3.001	RE47B	5.200	PS153	4.825	Circ	0.1mØ	9.955	26.5	0.600	0.688	1.117
1.005	PS153	4.775	S87	4.675	Circ	0.15mØ	5.074	50.7	0.600	1.117	1.090
1.006	S87	4.600	S96	4.510	Circ	0.225mØ	19.272	214.1	0.600	1.090	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	1.226
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	1.226
19.003	PS123	4.750	S112	4.628	Circ	0.15mØ	4.655	38.2	0.600	1.226	1.157
19.004	S112	4.628	S85	4.125	Circ	0.15mØ	13.663	27.2	0.600	1.157	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	1.002
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	1.002
34.000	RWP18B	5.200	PS99	4.600	Circ	0.1mØ	1.780	3.0	0.600	0.407	1.002
31.003	PS99	4.550	S105	3.795	Circ	0.15mØ	11.792	15.6	0.600	1.002	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 : Surcharged (Constant Level)

Surcharged Constant

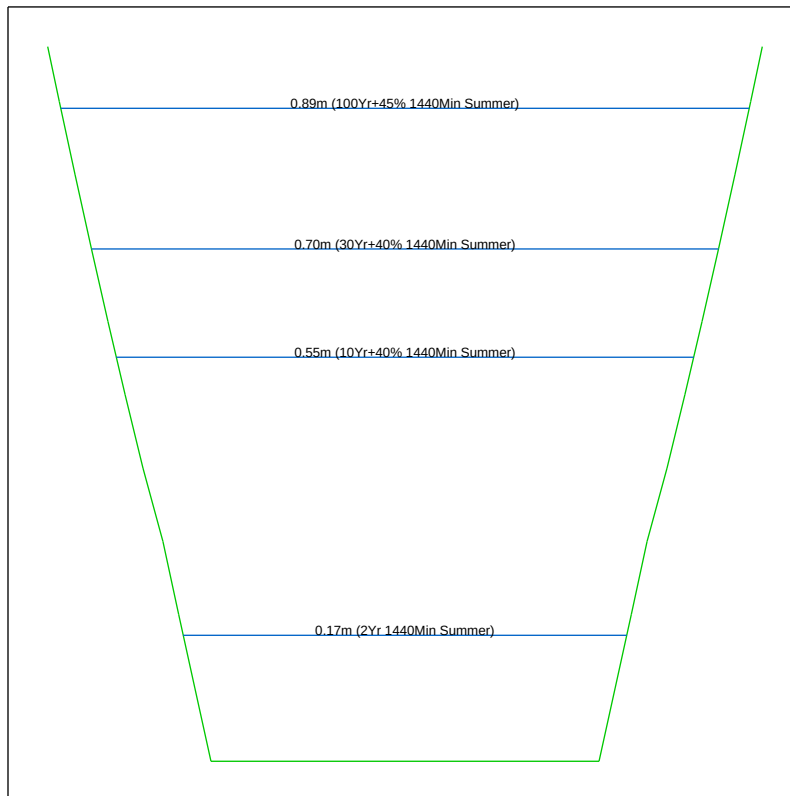
Water Elevation (m)	Water Depth (m)
4.000	0.650

Flow Control Details

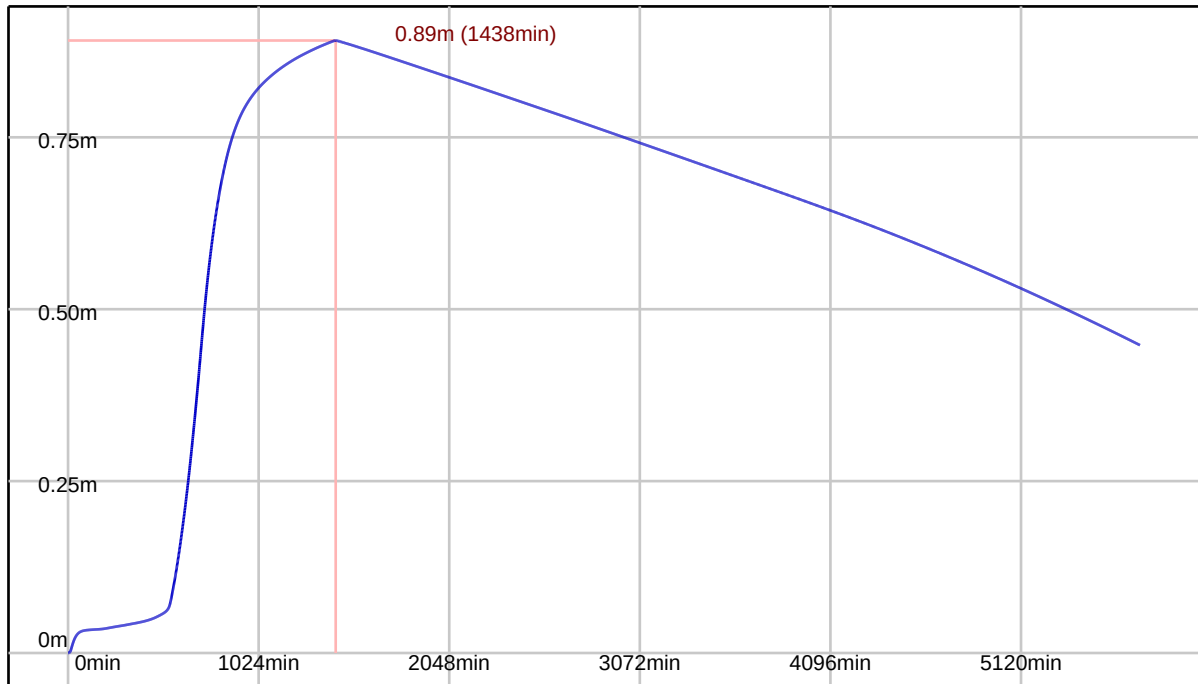
Pond Structure at Manhole S108

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



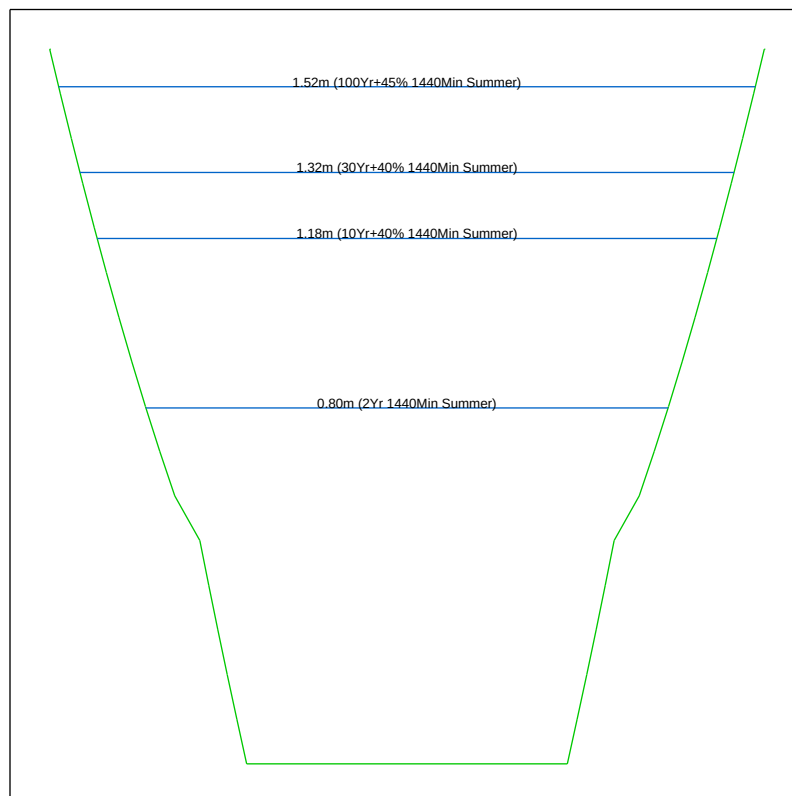
Pond at S108 (100Yr+45% 1440Min Summer)



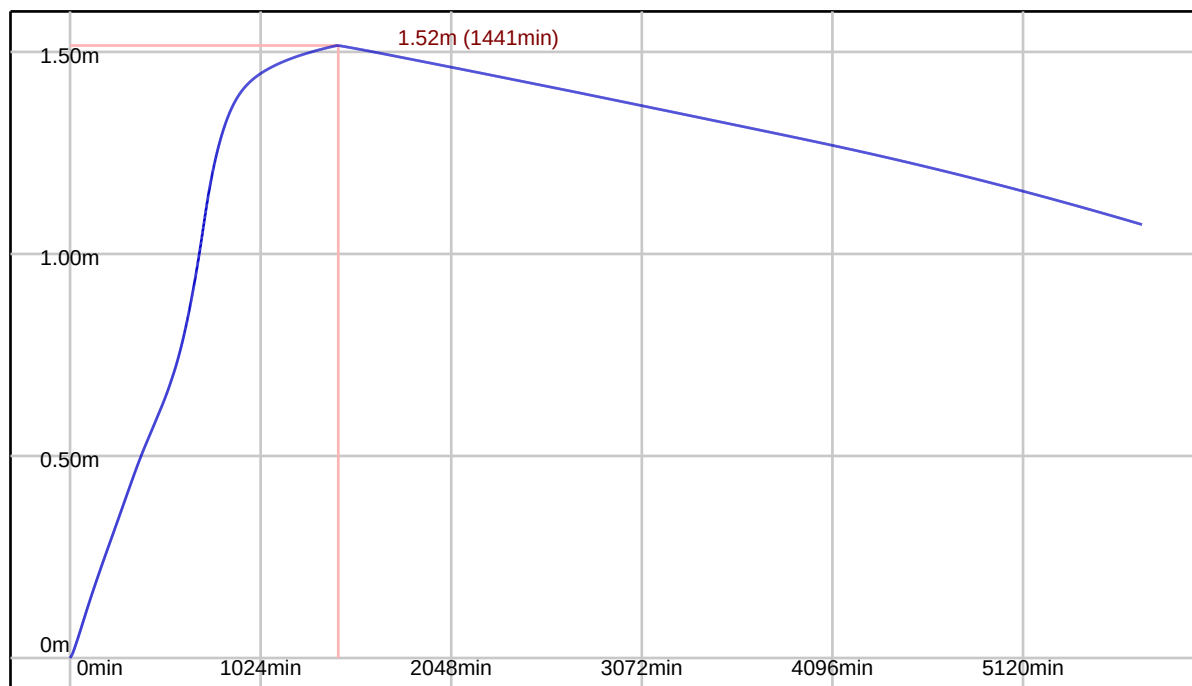
Pond Structure at Manhole S97

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 Summer)

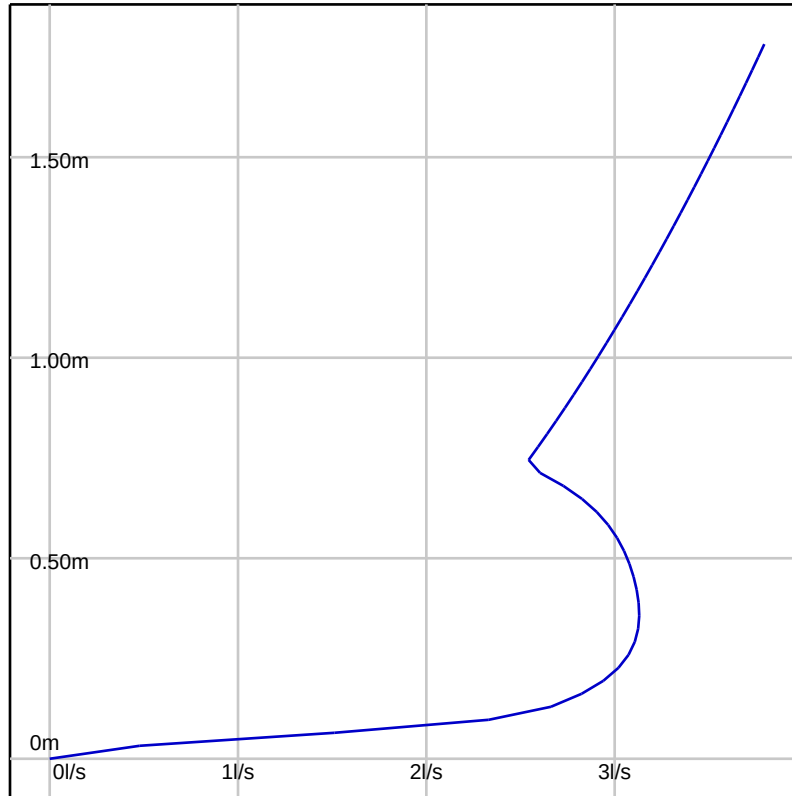


Controls within Manhole S98

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: (2, +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 %
2Yr 15Min Winter	32.920	0.00	1.61	30Yr+40% 15Min Summer	112.863	0.00	1.05
2Yr 15Min Summer	32.920	0.00	1.61	30Yr+40% 15Min Winter	112.863	0.00	1.07
2Yr 30Min Winter	21.400	0.00	1.63	30Yr+40% 30Min Summer	74.071	0.00	0.74
2Yr 30Min Summer	21.400	0.00	1.63	30Yr+40% 30Min Winter	74.071	0.00	0.74
2Yr 60Min Winter	13.300	0.00	1.64	30Yr+40% 60Min Summer	46.547	0.00	1.19
2Yr 60Min Summer	13.300	0.00	1.64	30Yr+40% 60Min Winter	46.547	0.00	1.18
2Yr 120Min Summer	8.917	0.00	1.64	30Yr+40% 120Min Summer	27.731	0.00	1.70
2Yr 120Min Winter	8.917	0.00	1.65	30Yr+40% 120Min Winter	27.731	0.00	1.75
2Yr 180Min Summer	6.969	0.00	1.50	30Yr+40% 180Min Summer	20.307	0.00	1.98
2Yr 180Min Winter	6.969	0.00	1.50	30Yr+40% 180Min Winter	20.307	0.00	2.01
2Yr 240Min Summer	5.692	0.00	1.39	30Yr+40% 240Min Summer	16.265	0.00	2.17
2Yr 240Min Winter	5.692	0.00	1.40	30Yr+40% 240Min Winter	16.265	0.00	2.18
2Yr 360Min Summer	4.267	0.00	1.25	30Yr+40% 360Min Summer	11.803	0.00	2.44
2Yr 360Min Winter	4.267	0.00	1.26	30Yr+40% 360Min Winter	11.803	0.00	2.43
2Yr 480Min Summer	3.462	0.00	1.18	30Yr+40% 480Min Summer	9.367	0.00	2.61
2Yr 480Min Winter	3.462	0.00	1.19	30Yr+40% 480Min Winter	9.367	0.00	2.59
2Yr 600Min Summer	2.922	0.00	1.06	30Yr+40% 600Min Summer	7.810	0.00	2.38
2Yr 600Min Winter	2.922	0.00	1.07	30Yr+40% 600Min Winter	7.810	0.00	2.34
2Yr 720Min Winter	2.536	0.00	0.98	30Yr+40% 720Min Summer	6.721	0.00	2.13
2Yr 720Min Summer	2.536	0.00	0.97	30Yr+40% 720Min Winter	6.721	0.00	2.09
2Yr 960Min Summer	2.031	0.00	0.85	30Yr+40% 960Min Summer	5.302	0.00	1.66
2Yr 960Min Winter	2.031	0.00	0.86	30Yr+40% 960Min Winter	5.302	0.00	1.61
2Yr 1440Min Summer	1.486	0.00	0.73	30Yr+40% 1440Min Summer	3.817	0.00	0.89
2Yr 1440Min Winter	1.486	0.00	0.74	30Yr+40% 1440Min Winter	3.817	0.00	0.85
10Yr+40% 15Min Summer	87.036	0.00	1.59	100Yr+45% 15Min Summer	146.276	0.00	0.83
10Yr+40% 15Min Winter	87.036	0.00	1.52	100Yr+45% 15Min Winter	146.276	0.00	0.78
10Yr+40% 30Min Summer	56.678	0.00	1.11	100Yr+45% 30Min Summer	96.982	0.00	1.24
10Yr+40% 30Min Winter	56.678	0.00	1.03	100Yr+45% 30Min Winter	96.982	0.00	1.22
10Yr+40% 60Min Summer	35.401	0.00	0.91	100Yr+45% 60Min Summer	61.530	0.00	1.89
10Yr+40% 60Min Winter	35.401	0.00	0.96	100Yr+45% 60Min Winter	61.530	0.00	1.87
10Yr+40% 120Min Winter	21.745	0.00	1.25	100Yr+45% 120Min Summer	35.946	0.00	2.48
10Yr+40% 120Min Summer	21.745	0.00	1.22	100Yr+45% 120Min Winter	35.946	0.00	2.46
10Yr+40% 180Min Summer	16.178	0.00	1.50	100Yr+45% 180Min Summer	26.053	0.00	2.81
10Yr+40% 180Min Winter	16.178	0.00	1.52	100Yr+45% 180Min Winter	26.053	0.00	2.81
10Yr+40% 240Min Summer	13.001	0.00	1.67	100Yr+45% 240Min Summer	20.923	0.00	3.09
10Yr+40% 240Min Winter	13.001	0.00	1.67	100Yr+45% 240Min Winter	20.923	0.00	3.08
10Yr+40% 360Min Summer	9.488	0.00	1.86	100Yr+45% 360Min Summer	15.176	0.00	3.39
10Yr+40% 360Min Winter	9.488	0.00	1.85	100Yr+45% 360Min Winter	15.176	0.00	3.37
10Yr+40% 480Min Summer	7.563	0.00	1.97	100Yr+45% 480Min Summer	12.028	0.00	3.53
10Yr+40% 480Min Winter	7.563	0.00	1.96	100Yr+45% 480Min Winter	12.028	0.00	3.50
10Yr+40% 600Min Winter	6.323	0.00	1.69	100Yr+45% 600Min Summer	10.033	0.00	3.33
10Yr+40% 600Min Summer	6.323	0.00	1.72	100Yr+45% 600Min Winter	10.033	0.00	3.30
10Yr+40% 720Min Summer	5.451	0.00	1.47	100Yr+45% 720Min Summer	8.641	0.00	3.12
10Yr+40% 720Min Winter	5.451	0.00	1.44	100Yr+45% 720Min Winter	8.641	0.00	3.09
10Yr+40% 960Min Summer	4.313	0.00	1.00	100Yr+45% 960Min Summer	6.827	0.00	2.69
10Yr+40% 960Min Winter	4.313	0.00	0.96	100Yr+45% 960Min Winter	6.827	0.00	2.65
10Yr+40% 1440Min Summer	3.111	0.00	0.47	100Yr+45% 1440Min Winter	4.922	0.00	1.80
10Yr+40% 1440Min Winter	3.111	0.00	0.46	100Yr+45% 1440Min Summer	4.922	0.00	1.83

Simulation Results

Return Period Yrs: 2.0

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	4.703	0.103	15.625		OK
S95 (D)	240 min Summer	150	5.073	0.023	1.333		OK
S96	15 min Summer	9	4.594	0.159	34.295		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	8	4.485	0.070	7.500		OK
S88	15 min Summer	9	4.431	0.176	42.283		OK
S89	15 min Summer	9	4.408	0.178	42.278		OK
S126 (D)	120 min Summer	68	5.059	0.009	0.335		OK
S124 (D)	120 min Summer	67	5.157	0.007	0.275		OK
S125	15 min Summer	9	4.386	0.186	50.206		OK
S122 (D)	120 min Summer	67	5.258	0.008	0.297		OK
S132	-	0	4.543	0.000	0.000		OK
S90	15 min Summer	9	4.323	0.173	49.728		OK
S107	15 min Summer	10	4.292	0.167	49.904		OK
S100	15 min Summer	8	4.642	0.042	6.612		OK
S101	15 min Summer	8	4.526	0.056	11.306		OK
S108	1440 min Summer	1086	4.247	0.172	1.014		OK
S121	1440 min Summer	1086	4.247	0.197	1.014		OK
S110	1440 min Summer	1087	4.247	0.247	1.143		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	1440 min Summer	1083	4.247	0.187	0.097		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	1440 min Summer	1084	4.247	0.242	0.213		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	1440 min Summer	1091	4.247	0.272	0.307		OK
S86	1440 min Summer	1089	4.247	0.362	0.470		Surcharged
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	4.755	0.030	3.967		OK
S75	1440 min Summer	1093	4.247	0.322	0.232		Surcharged
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	1440 min Summer	1098	4.247	0.047	0.004		OK
S76	1440 min Summer	1080	4.247	0.412	0.241		Surcharged
S77	1440 min Summer	1090	4.247	0.517	0.694		Surcharged
S78	1440 min Summer	1085	4.247	0.551	0.711		Surcharged
RWP15A	-	0	5.300	0.000	0.000		OK
RE14A	15 min Summer	8	5.250	0.050	3.243		OK
PS95	15 min Summer	8	5.041	0.041	3.219		OK
RWP14B	-	0	5.300	0.000	0.000		OK
RE13A	-	0	5.200	0.000	0.000		OK
PS94	15 min Summer	9	4.726	0.026	3.167		OK
RWP10A	-	0	5.100	0.000	0.000		OK
RE10A	15 min Summer	8	5.099	0.049	3.243		OK
PS4	15 min Summer	8	4.902	0.052	3.219		OK
RWP12B	-	0	5.100	0.000	0.000		OK
PS5	15 min Summer	9	4.725	0.025	3.174		OK
S79	1440 min Summer	1085	4.247	0.577	0.931		Surcharged
RWP16A	-	0	5.200	0.000	0.000		OK
RE16A	15 min Summer	8	5.150	0.050	3.243		OK
PS98	15 min Summer	8	4.939	0.039	3.219		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	8	4.577	0.027	3.187		OK
RWP9A	-	0	5.000	0.000	0.000		OK
RE9A	15 min Summer	8	4.992	0.042	3.243		OK
PS7	15 min Summer	8	4.646	0.046	3.224		OK
RWP7B	-	0	5.100	0.000	0.000		OK
PS12	-	0	5.000	0.000	0.000		OK
PS8	15 min Summer	8	4.427	0.027	3.196		OK
S105	1440 min Summer	1085	4.247	0.677	1.004		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	5.223	0.023	3.633		OK
PS118	15 min Summer	8	4.729	0.029	3.624		OK
S91	15 min Summer	8	4.541	0.054	5.648		OK
S128	15 min Summer	9	4.377	0.070	8.996		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	5.070	0.020	3.240		OK
PS115	15 min Summer	8	4.529	0.029	3.232		OK
S92	1440 min Summer	1085	4.247	0.157	0.238		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	4.967	0.017	2.186		OK
PS111	15 min Summer	8	4.520	0.020	1.675		OK
S93	1440 min Summer	1091	4.247	0.228	0.396		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	2.184		OK
PS109	15 min Summer	8	4.469	0.019	1.681		OK
S94	1440 min Summer	1088	4.247	0.304	0.507		Surcharged
S135	1440 min Summer	1084	4.247	0.500	0.513		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	-	0	4.433	0.000	0.000		OK
S82	1440 min Summer	1088	4.247	0.436	0.104		Surcharged
S80	1440 min Summer	1084	4.247	0.700	1.617		Surcharged
S81	1440 min Summer	1084	4.247	0.722	1.613		Surcharged
S97	1440 min Summer	1087	4.247	0.797	3.045		Surcharged
S98	1440 min Summer	1087	4.247	0.847	3.053		Surcharged
S99	15 min Winter	0	4.000	0.650	3.052		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 Summer	8	PS153	S87	0.014	0.000	0.000	0.000	OK
1.006	15 min Summer	8	S87	S96	0.102	0.875	15.386	0.436	OK
4.000	240 min Summer	150	S95 (D)	S96	0.023	0.770	1.333	0.052	OK
1.007	15 min Summer	9	S96	S88	0.151	0.979	34.989	0.582	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	0.085	0.518	7.334	0.123	OK
1.008	15 min Summer	9	S88	S89	0.177	0.824	42.278	0.452	OK
1.009	15 min Summer	9	S89	S125	0.182	0.791	42.068	0.446	OK
7.000	120 min Summer	68	S126 (D)	S125	0.009	0.724	0.335	0.008	OK
8.000	120 min Summer	67	S124 (D)	S125	0.007	0.836	0.275	0.005	OK
1.010	15 min Summer	9	S125	S90	0.180	0.954	49.728	0.536	OK
9.000	120 min Summer	67	S122 (D)	S90	0.008	0.830	0.297	0.005	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	0.170	1.028	49.904	0.493	OK
1.012	30 min Summer	19	S107	S108	0.150	1.215	43.456	0.432	OK
11.000	15 min Summer	8	S100	S101	0.049	0.878	6.581	0.043	OK
11.001	30 min Summer	19	S101	S108	0.057	1.187	9.837	0.068	OK
1.013	1440 min Summer	1086	S108	S121	0.184	0.507	6.479	0.066	OK
1.014	1440 min Summer	1087	S121	S110	0.222	0.487	6.436	0.069	OK
1.015	1440 min Summer	1087	S110	S97	0.311	0.115	6.779	0.054	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	1440 min Summer	1083	PS150	S83	0.018	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	1440 min Summer	1083	S83	S84	0.214	0.219	0.684	0.009	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	1440 min Summer	1084	PS143	S84	0.046	0.000	0.000	0.000	OK
12.005	1440 min Summer	1086	S84	S85	0.257	0.305	1.462	0.024	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	1440 min Summer	1091	S112	S85	0.061	0.000	0.000	0.000	OK
12.006	1440 min Summer	1091	S85	S86	0.286	0.271	1.897	0.030	OK
12.007	720 min Summer	583	S86	S77	0.300	0.516	5.589	0.090	Surcharged
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	1440 min Summer	879	PS137	S75	0.075	0.000	0.000	0.000	OK
24.000	1440 min Summer	879	S74 (D)	S75	0.080	0.925	0.690	0.015	OK
21.004	1440 min Winter	955	S75	S76	0.300	0.286	0.986	0.014	Surcharged
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	1440 min Summer	1098	PS134	PS135	0.024	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	1440 min Summer	1448	PS135	S76	0.098	0.004	0.039	0.001	OK
21.005	600 min Summer	384	S76	S77	0.300	0.441	2.630	0.040	Surcharged
12.008	480 min Summer	307	S77	S78	0.375	0.504	10.447	0.097	Surcharged
12.009	360 min Summer	236	S78	S79	0.375	0.517	13.122	0.125	Surcharged
27.000	15 min Summer	8	RWP15A	RE14A	0.025	0.000	0.000	0.000	OK
27.001	15 min Summer	8	RE14A	PS95	0.045	0.926	3.219	0.480	OK
27.002	15 min Summer	8	PS95	PS94	0.041	1.041	3.184	0.358	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	720 min Summer	379	PS94	S79	0.080	0.778	0.460	0.010	OK
29.000	15 min Summer	8	RWP10A	RE10A	0.024	0.000	0.000	0.000	OK
29.001	15 min Summer	8	RE10A	PS4	0.051	0.807	3.219	0.483	OK
29.002	15 min Summer	9	PS4	PS5	0.052	0.762	3.174	0.547	OK
30.000	15 min Winter	0	RWP12B	PS5	0.000	0.000	0.000	0.000	OK
29.003	720 min Summer	379	PS5	S79	0.080	0.858	0.460	0.009	OK
12.010	240 min Summer	181	S79	S105	0.375	0.540	22.763	0.215	Surcharged
31.000	15 min Summer	8	RWP16A	RE16A	0.025	0.000	0.000	0.000	OK
31.001	15 min Summer	8	RE16A	PS98	0.045	0.952	3.219	0.480	OK
31.002	15 min Summer	8	PS98	PS99	0.039	1.123	3.187	0.323	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	360 min Summer	193	PS99	S105	0.081	0.903	0.770	0.017	OK
35.000	15 min Summer	8	RWP9A	RE9A	0.021	0.000	0.000	0.000	OK
35.001	15 min Summer	8	RE9A	PS7	0.044	0.977	3.224	0.364	OK
35.002	15 min Summer	8	PS7	PS8	0.036	1.246	3.196	0.386	OK
36.000	15 min Winter	0	RWP7B	PS12	0.000	0.000	0.000	0.000	OK
36.001	15 min Summer	8	PS12	PS8	0.013	0.000	0.000	0.000	OK
35.003	360 min Summer	193	PS8	S105	0.081	0.920	0.771	0.017	OK
12.011	15 min Summer	742	S105	S80	0.375	0.938	79.804	0.744	Surcharged
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	0.015	0.000	0.000	0.000	OK
39.000	15 min Summer	8	S127 (D)	PS118	0.026	1.745	3.624	0.052	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	0.029	1.474	3.602	0.084	OK
40.000	15 min Summer	9	S91	S128	0.062	0.633	5.553	0.131	OK
37.003	15 min Summer	9	S128	S92	0.070	0.861	9.087	0.215	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	0.025	1.707	3.232	0.040	OK
41.003	15 min Summer	8	PS115	S92	0.029	1.355	3.219	0.081	OK
37.004	1440 min Summer	1091	S92	S93	0.192	0.344	1.704	0.023	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	0.019	1.334	1.675	0.028	OK
44.003	1440 min Summer	1079	PS111	S93	0.041	0.733	0.314	0.007	OK
37.005	1440 min Summer	1091	S93	S94	0.264	0.383	2.712	0.037	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	1.366	1.681	0.028	OK
47.003	1440 min Summer	973	PS109	S94	0.077	0.760	0.331	0.007	OK
37.006	1440 min Winter	1078	S94	S135	0.300	0.376	2.181	0.033	Surcharged
37.007	240 min Summer	183	S135	S80	0.300	0.693	12.617	0.141	Surcharged
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	180 min Summer	164	PS2	S82	0.075	0.000	0.000	0.000	OK
50.003	240 min Summer	173	S82	S80	0.225	0.528	2.963	0.077	OK
12.012	15 min Summer	599	S80	S81	0.375	1.454	122.917	1.147	Surcharged
12.013	15 min Summer	507	S81	S97	0.375	2.434	123.330	1.229	Surcharged
1.016	1440 min Summer	1070	S97	S98	0.300	0.043	3.053	0.030	Surcharged
1.017	1440 min Summer	1087	S98	S99	0.225	0.077	3.053	0.086	OK

Permeable Paving Storage

Permeable Paving	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S95	240 min Summer	150	5.184	0.033	1.320		OK
S126	120 min Summer	68	5.158	0.013	0.331		OK
S124	120 min Summer	67	5.269	0.012	0.267		OK
S122	120 min Summer	67	5.373	0.012	0.296		OK
S74	180 min Summer	108	4.998	0.025	0.898		OK
S127	180 min Summer	103	5.265	0.020	0.640		OK
S129	120 min Summer	70	5.107	0.016	0.433		OK
S130	180 min Summer	102	4.969	0.040	0.418		OK
S131	180 min Summer	105	4.869	0.041	0.400		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	0.029		OK
S87	15 min Summer	9	4.900	0.300	39.571		Surcharged
S95 (D)	120 min Summer	77	5.093	0.043	4.684		OK
S96	15 min Summer	9	4.794	0.359	89.628		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	1440 min Summer	1433	4.626	0.211	0.100		OK
S88	1440 min Summer	1431	4.626	0.371	0.804		OK
S89	1440 min Summer	1432	4.626	0.396	0.790		Surcharged
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 Summer	1432	4.626	0.426	0.919		Surcharged
S122 (D)	30 min Summer	23	5.265	0.015	1.084		OK
S132	1440 min Summer	1435	4.626	0.083	0.000		OK
S90	1440 min Summer	1435	4.626	0.476	0.807		Surcharged
S107	1440 min Summer	1435	4.626	0.501	0.806		Surcharged
S100	15 min Summer	8	4.667	0.067	17.488		OK
S101	1440 min Summer	1434	4.626	0.156	0.115		OK
S108	1440 min Summer	1435	4.626	0.551	0.993		Surcharged
S121	1440 min Summer	1435	4.626	0.576	1.055		Surcharged
S110	1440 min Summer	1434	4.626	0.626	1.200		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	1440 min Summer	1429	4.627	0.027	0.003		OK
YG47A	-	0	5.100	0.000	0.000		OK
ACO101A	1440 min Summer	1433	4.626	0.080	0.010		OK
PS150	1440 min Summer	1433	4.626	0.276	0.020		Surcharged
S83	1440 min Summer	1433	4.626	0.566	0.116		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	1440 min Summer	1432	4.627	0.027	0.012		OK
RWP104C	-	0	4.900	0.000	0.000		OK
RE104A	-	0	4.800	0.000	0.000		OK
PS143	1440 min Summer	1432	4.626	0.276	0.012		Surcharged
S84	1440 min Summer	1430	4.626	0.621	0.281		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	1440 min Summer	1430	4.626	0.651	0.368		Surcharged
S86	1440 min Summer	1431	4.626	0.741	0.590		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 Summer	1430	4.626	0.126	0.000		Surcharged
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 Summer	1433	4.626	0.326	0.033		Surcharged
S74 (D)	15 min Summer	8	4.774	0.049	10.512		OK
S75	1440 min Summer	1433	4.626	0.701	0.278		Surcharged
RWP117B	-	0	5.000	0.000	0.000		OK
RE117A	-	0	4.900	0.000	0.000		OK
PS134	1440 min Summer	1429	4.627	0.177	0.000		Surcharged
RWP117A	-	0	5.000	0.000	0.000		OK
RE117B	-	0	4.900	0.000	0.000		OK
PS135	1440 min Summer	1432	4.626	0.426	0.027		Surcharged
S76	1440 min Summer	1432	4.626	0.791	0.340		Surcharged
S77	1440 min Summer	1434	4.626	0.896	0.869		Surcharged
S78	1440 min Summer	1431	4.626	0.930	0.906		Surcharged
RWP15A	15 min Summer	9	5.356	0.056	0.262		OK
RE14A	15 min Summer	9	5.356	0.156	8.213		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	7.284		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 Summer	1434	4.626	0.956	1.103		Surcharged
RWP16A	15 min Summer	9	5.257	0.057	0.266		OK
RE16A	15 min Summer	9	5.257	0.157	8.213		Surcharged
PS98	15 min Summer	10	4.966	0.066	7.647		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 Summer	1436	4.626	0.076	0.040		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 Summer	1434	4.626	0.226	0.065		Surcharged
S105	1440 min Summer	1434	4.626	1.056	1.163		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	5.237	0.037	9.629		OK
PS118	15 min Summer	8	4.748	0.048	9.612		OK
S91	1440 min Summer	1431	4.626	0.139	0.081		OK
S128	1440 min Summer	1432	4.626	0.320	0.184		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	5.083	0.033	8.589		OK
PS115	1440 min Summer	1432	4.626	0.126	0.068		OK
S92	1440 min Summer	1432	4.626	0.537	0.307		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	4.979	0.029	5.783		OK
PS111	1440 min Summer	1432	4.626	0.126	0.056		OK
S93	1440 min Summer	1432	4.626	0.607	0.487		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	1440 min Summer	1435	4.626	0.006	0.000		OK
S131 (D)	15 min Summer	8	4.878	0.028	5.777		OK
PS109	1440 min Summer	1433	4.626	0.176	0.070		Surcharged
S94	1440 min Summer	1433	4.626	0.683	0.614		Surcharged
S135	1440 min Summer	1433	4.626	0.879	0.625		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 Summer	1435	4.627	0.194	0.017		Surcharged
S82	1440 min Summer	1435	4.626	0.816	0.102		Surcharged
S80	1440 min Summer	1434	4.626	1.080	1.899		Surcharged
S81	1440 min Summer	1434	4.626	1.101	1.885		Surcharged
S97	1440 min Summer	1436	4.626	1.176	2.975		Surcharged
S98	1440 min Summer	1436	4.626	1.226	2.880		Surcharged
S99	15 min Summer	0	4.000	0.650	3.053		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	0.150	1.774	0.071	OK
1.006	15 min Winter	9	S87	S96	0.225	0.999	36.317	1.029	OK
4.000	30 min Summer	29	S95 (D)	S96	0.081	1.038	3.684	0.143	OK
1.007	15 min Summer	10	S96	S88	0.280	1.303	89.230	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	1440 min Summer	1433	PS162	S102	0.031	0.000	0.000	0.000	OK
5.003	1440 min Summer	1433	S102	S88	0.254	0.377	1.305	0.022	OK
1.008	1440 min Summer	1431	S88	S89	0.373	0.534	9.083	0.097	OK
1.009	1440 min Winter	1148	S89	S125	0.375	0.451	5.870	0.062	Surcharged
7.000	1440 min Winter	1014	S126 (D)	S125	0.077	0.516	0.110	0.003	OK
8.000	1440 min Winter	1014	S124 (D)	S125	0.076	0.583	0.083	0.001	OK
1.010	1440 min Summer	966	S125	S90	0.375	0.530	10.386	0.112	Surcharged
9.000	1440 min Summer	862	S122 (D)	S90	0.077	0.669	0.143	0.003	OK
10.000	1440 min Summer	1975	S132	S90	0.117	0.004	0.045	0.002	OK
1.011	600 min Summer	498	S90	S107	0.375	0.721	21.412	0.211	Surcharged
1.012	600 min Summer	438	S107	S108	0.375	0.644	21.190	0.211	Surcharged
11.000	1440 min Summer	1435	S100	S101	0.091	0.517	1.150	0.007	OK
11.001	1440 min Summer	1434	S101	S108	0.228	0.639	1.972	0.014	OK
1.013	480 min Summer	323	S108	S121	0.375	0.735	26.355	0.269	Surcharged
1.014	360 min Summer	252	S121	S110	0.375	0.823	34.292	0.368	Surcharged
1.015	240 min Summer	171	S110	S97	0.375	0.596	50.512	0.404	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	10	PS151	PS150	0.050	0.000	0.000	0.000	OK
13.000	1440 min Summer	1429	RWP100B	RE100A	0.013	0.000	0.000	0.000	OK
13.001	1440 min Summer	1450	RE100A	PS150	0.063	0.011	0.055	0.007	OK
14.000	15 min Summer	10	YG47A	PS150	0.050	0.000	0.000	0.000	OK
15.000	1440 min Summer	1701	ACO101A	PS150	0.090	0.010	0.047	0.004	OK
12.003	15 min Winter	12	PS150	S83	0.150	0.241	2.974	0.122	Surcharged
12.004	15 min Winter	9	S83	S84	0.300	0.484	17.871	0.234	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	1440 min Summer	1432	PS141	PS142	0.013	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	1440 min Summer	1432	PS142	PS143	0.063	0.012	0.058	0.007	OK
18.000	15 min Summer	0	RWP104C	RE104A	0.000	0.000	0.000	0.000	OK
18.001	15 min Summer	0	RE104A	PS143	0.050	0.000	0.000	0.000	OK
16.003	1440 min Summer	1531	PS143	S84	0.150	0.005	0.081	0.002	Surcharged
12.005	15 min Winter	8	S84	S85	0.300	0.744	38.187	0.618	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	15 min Winter	8	S85	S86	0.300	0.785	47.989	0.757	Surcharged
12.007	15 min Winter	8	S86	S77	0.300	1.168	79.210	1.272	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 Summer	1089	PS140	PS139	0.050	0.000	0.000	0.000	OK
21.002	1440 min Winter	1885	PS139	PS137	0.100	0.014	0.074	0.011	Surcharged
23.000	15 min Summer	0	RWP113A	RE113A	0.000	0.000	0.000	0.000	OK
23.001	360 min Summer	279	RE113A	PS137	0.050	0.000	0.000	0.000	OK
21.003	960 min Winter	711	PS137	S75	0.150	0.010	0.173	0.006	Surcharged
24.000	15 min Summer	8	S74 (D)	S75	0.099	2.066	10.488	0.230	OK
21.004	15 min Winter	8	S75	S76	0.300	0.829	32.957	0.481	Surcharged
25.000	15 min Summer	0	RWP117B	RE117A	0.000	0.000	0.000	0.000	OK
25.001	1440 min Summer	1092	RE117A	PS134	0.050	0.000	0.000	0.000	OK
25.002	1440 min Winter	1113	PS134	PS135	0.150	0.006	0.092	0.004	Surcharged
26.000	15 min Summer	0	RWP117A	RE117B	0.000	0.000	0.000	0.000	OK
26.001	15 min Summer	10	RE117B	PS135	0.050	0.000	0.000	0.000	OK
25.003	15 min Winter	13	PS135	S76	0.150	0.241	3.418	0.122	Surcharged
21.005	15 min Winter	12	S76	S77	0.300	0.707	25.661	0.393	Surcharged
12.008	15 min Winter	11	S77	S78	0.375	0.933	92.622	0.859	Surcharged
12.009	15 min Winter	12	S78	S79	0.375	0.852	94.081	0.898	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	1.418	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	10	S79	S105	0.375	1.134	125.233	1.182	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	1.107	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	1440 min Summer	1436	RE17A	PS99	0.013	0.000	0.000	0.000	OK
34.000	1440 min Summer	1436	RWP18B	PS99	0.013	0.000	0.000	0.000	OK
31.003	1440 min Summer	1436	PS99	S105	0.113	0.471	0.564	0.012	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	8.402	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	400	PS12	PS8	0.050	0.000	0.000	0.000	OK
35.003	720 min Summer	619	PS8	S105	0.150	0.620	0.988	0.021	Surcharged
12.011	15 min Winter	11	S105	S80	0.375	1.237	136.620	1.274	Surcharged
37.000	15 min Summer	0	PS119	PS120	0.000	0.000	0.000	0.000	OK
37.001	15 min Summer	0	PS120	PS118	0.000	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	0.024	0.000	0.000	0.000	OK
39.000	15 min Summer	8	S127 (D)	PS118	0.043	2.313	9.612	0.137	OK
37.002	1440 min Summer	870	PS118	S128	0.081	1.029	1.083	0.025	OK
40.000	1440 min Summer	1431	S91	S128	0.182	0.338	0.983	0.023	OK
37.003	600 min Summer	518	S128	S92	0.225	0.671	4.100	0.097	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	1440 min Summer	1432	PS117	PS115	0.038	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	1440 min Summer	1432	RE28A	PS115	0.038	0.000	0.000	0.000	OK
43.000	1440 min Summer	1432	S129 (D)	PS115	0.065	1.134	0.823	0.010	OK
41.003	1440 min Summer	1432	PS115	S92	0.138	0.858	1.637	0.041	OK
37.004	180 min Summer	165	S92	S93	0.300	0.685	16.880	0.229	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 Summer	1432	PS114	PS111	0.038	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 Summer	1432	RE25B	PS111	0.038	0.000	0.000	0.000	OK
46.000	1440 min Summer	1432	S130 (D)	PS111	0.065	1.012	0.664	0.011	OK
44.003	1440 min Summer	1432	PS111	S93	0.138	0.803	1.919	0.043	OK
37.005	15 min Winter	10	S93	S94	0.300	1.013	64.225	0.872	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 Summer	1092	PS108	PS109	0.050	0.000	0.000	0.000	OK
48.000	1440 min Summer	1435	RWP23C	PS110	0.003	0.000	0.000	0.000	OK
48.001	1440 min Summer	1435	PS110	PS109	0.053	0.004	0.018	0.003	OK
49.000	1440 min Winter	1113	S131 (D)	PS109	0.077	0.916	0.452	0.007	OK
47.003	1440 min Winter	1113	PS109	S94	0.150	0.753	1.628	0.035	Surcharged
37.006	15 min Winter	9	S94	S135	0.300	1.219	79.572	1.195	Surcharged
37.007	15 min Winter	8	S135	S80	0.300	0.977	69.070	0.773	Surcharged
50.000	15 min Summer	0	RE5A	PS1	0.000	0.000	0.000	0.000	OK
50.001	960 min Summer	853	PS1	PS2	0.050	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 Summer	1435	RE5B	PS2	0.039	0.000	0.000	0.000	OK
52.000	960 min Summer	853	RWP6B	PS2	0.050	0.000	0.000	0.000	OK
50.002	960 min Winter	1182	PS2	S82	0.150	0.005	0.080	0.002	Surcharged
50.003	15 min Winter	9	S82	S80	0.225	0.781	18.626	0.487	OK
12.012	15 min Winter	10	S80	S81	0.375	1.955	215.896	2.015	Surcharged
12.013	15 min Winter	13	S81	S97	0.375	2.649	213.729	2.130	Surcharged
1.016	240 min Summer	137	S97	S98	0.300	0.046	3.246	0.031	Surcharged
1.017	600 min Winter	1910	S98	S99	0.225	0.079	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	4.601		OK
S126	30 min Summer	23	5.176	0.031	1.248		OK
S124	30 min Summer	22	5.284	0.027	1.043		OK
S122	30 min Summer	23	5.390	0.029	1.047		OK
S74	60 min Summer	42	5.034	0.061	2.692		OK
S127	60 min Summer	41	5.294	0.050	2.737		OK
S129	60 min Summer	40	5.130	0.038	1.644		OK
S130	60 min Summer	40	4.995	0.067	1.800		OK
S131	60 min Summer	41	4.897	0.070	1.902		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	5.154	0.234	0.042		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	5.141	0.541	51.315		Surcharged
S95 (D)	60 min Summer	45	5.102	0.052	6.767		OK
S96	15 min Summer	9	5.001	0.566	110.471		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	1440 min Summer	1436	4.774	0.124	0.001		OK
S102	1440 min Summer	1436	4.774	0.359	0.088		Surcharged
S88	1440 min Summer	1434	4.774	0.519	0.828		Surcharged
S89	1440 min Summer	1434	4.774	0.544	0.833		Surcharged
S126 (D)	30 min Summer	22	5.070	0.020	1.662		OK
S124 (D)	30 min Summer	22	5.166	0.016	1.355		OK
S125	1440 min Summer	1435	4.774	0.574	0.991		Surcharged
S122 (D)	30 min Summer	22	5.267	0.017	1.467		OK
S132	1440 min Summer	1434	4.774	0.231	0.000		Surcharged
S90	1440 min Summer	1434	4.774	0.624	1.076		Surcharged
S107	1440 min Summer	1434	4.774	0.649	1.100		Surcharged
S100	1440 min Summer	1436	4.774	0.174	0.073		OK
S101	1440 min Summer	1436	4.774	0.304	0.125		Surcharged
S108	1440 min Summer	1436	4.774	0.699	1.074		Flood Risk
S121	1440 min Summer	1436	4.774	0.724	1.109		Surcharged
S110	1440 min Summer	1436	4.774	0.774	1.243		Surcharged
RWP100A	-	0	5.000	0.000	0.000		OK
RE100B	-	0	4.900	0.000	0.000		OK
PS151	15 min Summer	11	4.873	0.173	0.000		Surcharged
RWP100B	-	0	5.000	0.000	0.000		OK
RE100A	15 min Summer	11	4.872	0.272	0.000		Surcharged
YG47A	-	0	5.100	0.000	0.000		OK
ACO101A	15 min Summer	11	4.862	0.316	0.000		Surcharged
PS150	15 min Summer	11	4.859	0.509	1.611		Surcharged
S83	15 min Summer	11	4.850	0.790	15.949		Surcharged
RWP104A	-	0	4.900	0.000	0.000		OK
YG104A	-	0	4.900	0.000	0.000		OK
PS141	15 min Summer	11	4.859	0.059	0.610		OK
PS142	15 min Summer	11	4.853	0.253	0.949		Surcharged
RWP104C	-	0	4.900	0.000	0.000		OK
RE104A	15 min Summer	11	4.865	0.065	0.120		OK
PS143	15 min Summer	11	4.850	0.500	0.842		Surcharged
S84	15 min Summer	11	4.847	0.842	33.336		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	4.854	0.104	0.000		OK
S112	15 min Summer	11	4.850	0.222	1.198		Surcharged
S85	15 min Summer	11	4.839	0.864	47.339		Surcharged
S86	15 min Summer	11	4.785	0.900	75.250		Surcharged
YG115A	-	0	5.200	0.000	0.000		OK
RWP/ACO113B	-	0	4.800	0.000	0.000		OK
PS140	1440 min Summer	1441	4.774	0.074	0.000		OK
PS139	1440 min Summer	1431	4.774	0.274	0.027		Surcharged
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	1440 min Summer	1444	4.774	0.074	0.000		OK
PS137	1440 min Summer	1434	4.774	0.474	0.028		Surcharged
S74 (D)	15 min Summer	9	4.787	0.062	13.245		OK
S75	1440 min Summer	1434	4.774	0.849	0.344		Surcharged
RWP117B	-	0	5.000	0.000	0.000		OK
RE117A	-	0	4.900	0.000	0.000		OK
PS134	1440 min Summer	1442	4.774	0.324	0.008		Surcharged
RWP117A	-	0	5.000	0.000	0.000		OK
RE117B	-	0	4.900	0.000	0.000		OK
PS135	1440 min Summer	1442	4.774	0.574	0.027		Surcharged
S76	1440 min Summer	1434	4.774	0.939	0.366		Surcharged
S77	1440 min Summer	1435	4.774	1.044	0.909		Surcharged
S78	1440 min Summer	1445	4.774	1.078	0.165		Surcharged
RWP15A	15 min Summer	10	5.488	0.188	0.000		Surcharged
RE14A	15 min Summer	10	5.487	0.287	9.200		Surcharged
PS95	15 min Summer	10	5.089	0.089	9.498		OK
RWP14B	-	0	5.300	0.000	0.000		OK
RE13A	-	0	5.200	0.000	0.000		OK
PS94	1440 min Summer	1435	4.774	0.074	0.052		OK
RWP10A	15 min Summer	10	5.381	0.281	0.054		Surcharged
RE10A	15 min Summer	10	5.380	0.330	8.854		Surcharged
PS4	15 min Summer	10	5.045	0.195	8.722		Surcharged
RWP12B	-	0	5.100	0.000	0.000		OK
PS5	1440 min Summer	1442	4.774	0.074	0.017		OK
S79	1440 min Summer	1445	4.774	1.104	0.201		Surcharged
RWP16A	15 min Summer	10	5.390	0.190	0.000		Surcharged
RE16A	15 min Summer	10	5.390	0.290	9.161		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 Summer	1442	4.774	0.224	0.016		Surcharged
RWP9A	15 min Summer	10	5.145	0.145	0.000		Surcharged
RE9A	15 min Summer	10	5.145	0.195	9.087		Surcharged
PS7	1440 min Summer	1435	4.774	0.174	0.048		Surcharged
RWP7B	-	0	5.100	0.000	0.000		OK
PS12	-	0	5.000	0.000	0.000		OK
PS8	1440 min Summer	1435	4.774	0.374	0.052		Surcharged
S105	1440 min Summer	1435	4.774	1.204	1.315		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	5.243	0.043	12.517		OK
PS118	1440 min Summer	1434	4.774	0.074	0.106		OK
S91	1440 min Summer	1443	4.774	0.287	0.018		Surcharged
S128	1440 min Summer	1431	4.774	0.467	0.169		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	5.087	0.037	11.168		OK
PS115	1440 min Summer	1434	4.774	0.274	0.078		Surcharged
S92	1440 min Summer	1433	4.774	0.684	0.287		Surcharged
RWP25B	-	0	5.000	0.000	0.000		OK
RE25A	-	0	4.900	0.000	0.000		OK
PS114	1440 min Summer	1442	4.774	0.024	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	4.983	0.033	7.499		OK
PS111	1440 min Summer	1433	4.774	0.274	0.068		Surcharged
S93	1440 min Summer	1433	4.774	0.755	0.522		Surcharged
RWP23A	-	0	5.000	0.000	0.000		OK
RE23A	-	0	4.900	0.000	0.000		OK
PS108	1440 min Summer	1432	4.774	0.074	0.016		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	1440 min Summer	1432	4.774	0.154	0.028		Surcharged
S131 (D)	15 min Summer	8	4.882	0.032	7.491		OK
PS109	1440 min Summer	1442	4.774	0.324	0.054		Surcharged
S94	1440 min Summer	1442	4.774	0.831	0.155		Surcharged
S135	1440 min Summer	1442	4.774	1.027	0.107		Surcharged
RE5A	-	0	4.850	0.000	0.000		OK
PS1	1440 min Summer	1442	4.774	0.055	0.000		OK
RWP5A	-	0	4.900	0.000	0.000		OK
RE5B	1440 min Summer	1438	4.774	0.124	0.011		Surcharged
RWP6B	-	0	4.900	0.000	0.000		OK
PS2	1440 min Summer	1436	4.774	0.341	0.035		Surcharged
S82	1440 min Summer	1435	4.774	0.964	0.125		Surcharged
S80	1440 min Summer	1435	4.774	1.227	2.103		Surcharged
S81	1440 min Summer	1435	4.774	1.249	2.126		Surcharged
S97	1440 min Summer	1438	4.774	1.324	2.419		Surcharged
S98	1440 min Summer	1438	4.774	1.374	2.587		Surcharged
S99	15 min Summer	0	4.000	0.650	3.053		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	0.295	2.104	0.342	Surcharged
1.004	15 min Winter	11	PS154	PS153	0.100	0.428	2.757	0.449	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	5.468	0.219	Surcharged
1.006	15 min Winter	9	S87	S96	0.225	1.086	43.198	1.223	OK
4.000	60 min Summer	45	S95 (D)	S96	0.089	1.233	6.771	0.264	OK
1.007	15 min Winter	9	S96	S88	0.300	1.426	100.345	1.670	Surcharged
5.000	15 min Summer	0	YG53A	PS161	0.000	0.000	0.000	0.000	OK
5.001	1440 min Summer	1436	PS161	PS162	0.037	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	1440 min Summer	1436	RE53B	PS162	0.037	0.000	0.000	0.000	OK
5.002	1440 min Summer	1532	PS162	S102	0.137	0.008	0.057	0.003	OK
5.003	960 min Summer	835	S102	S88	0.300	0.437	2.251	0.038	Surcharged
1.008	15 min Winter	9	S88	S89	0.375	1.061	117.184	1.254	Surcharged
1.009	15 min Winter	10	S89	S125	0.375	1.045	115.454	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	1.320	1.356	0.023	OK
1.010	240 min Summer	252	S125	S90	0.375	0.901	51.088	0.551	Surcharged
9.000	15 min Summer	15	S122 (D)	S90	0.081	1.308	1.339	0.024	OK
10.000	720 min Winter	655	S132	S90	0.150	0.004	0.064	0.002	Surcharged
1.011	240 min Summer	188	S90	S107	0.375	0.906	51.497	0.508	Surcharged
1.012	240 min Summer	171	S107	S108	0.375	0.872	51.198	0.509	Surcharged
11.000	1440 min Summer	1436	S100	S101	0.237	0.555	5.249	0.034	OK
11.001	1440 min Summer	1387	S101	S108	0.300	0.636	2.992	0.021	Surcharged
1.013	120 min Summer	105	S108	S121	0.375	1.010	79.352	0.809	Surcharged
1.014	60 min Summer	36	S121	S110	0.375	1.064	98.072	1.052	Surcharged
1.015	30 min Winter	21	S110	S97	0.375	1.161	121.670	0.973	Surcharged
12.000	15 min Summer	0	RWP100A	RE100B	0.000	0.000	0.000	0.000	OK
12.001	15 min Summer	10	RE100B	PS151	0.050	0.000	0.000	0.000	OK
12.002	30 min Summer	21	PS151	PS150	0.100	0.233	1.292	0.145	Surcharged
13.000	15 min Summer	10	RWP100B	RE100A	0.050	0.000	0.000	0.000	OK
13.001	30 min Summer	22	RE100A	PS150	0.100	0.228	1.489	0.196	Surcharged
14.000	15 min Summer	8	YG47A	PS150	0.050	0.000	0.000	0.000	OK
15.000	15 min Winter	14	ACO101A	PS150	0.100	0.323	2.266	0.209	Surcharged
12.003	15 min Winter	14	PS150	S83	0.150	0.421	7.445	0.306	Surcharged
12.004	15 min Winter	7	S83	S84	0.300	0.490	18.689	0.245	Surcharged
16.000	15 min Summer	11	RWP104A	PS141	0.029	0.000	0.000	0.000	OK
17.000	15 min Summer	11	YG104A	PS141	0.029	0.000	0.000	0.000	OK
16.001	15 min Summer	12	PS141	PS142	0.079	0.205	1.188	0.159	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	30 min Summer	22	PS142	PS143	0.100	0.245	1.576	0.204	Surcharged
18.000	15 min Summer	11	RWP104C	RE104A	0.032	0.000	0.000	0.000	OK
18.001	15 min Summer	12	RE104A	PS143	0.082	0.142	0.677	0.067	OK
16.003	15 min Winter	14	PS143	S84	0.150	0.240	4.006	0.102	Surcharged
12.005	15 min Winter	7	S84	S85	0.300	0.747	39.980	0.647	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	0.027	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	0.027	0.000	0.000	0.000	OK
19.003	15 min Summer	11	PS123	S112	0.127	0.090	1.198	0.042	OK
19.004	15 min Winter	13	S112	S85	0.150	0.272	3.753	0.110	Surcharged
12.006	15 min Winter	12	S85	S86	0.300	0.778	49.465	0.780	Surcharged
12.007	15 min Winter	9	S86	S77	0.300	1.245	88.023	1.414	Surcharged
21.000	1440 min Summer	1441	YG115A	PS140	0.037	0.000	0.000	0.000	OK
22.000	1440 min Summer	1441		PS140	0.037	0.000	0.000	0.000	OK
21.001	1440 min Summer	1908	PS140	PS139	0.087	0.014	0.074	0.012	OK
21.002	30 min Summer	22	PS139	PS137	0.100	0.211	1.399	0.202	Surcharged
23.000	1440 min Summer	1444	RWP113A	RE113A	0.037	0.000	0.000	0.000	OK
23.001	1440 min Summer	1532	RE113A	PS137	0.087	0.010	0.066	0.008	OK
21.003	15 min Winter	15	PS137	S75	0.150	0.236	3.720	0.123	Surcharged
24.000	15 min Summer	9	S74 (D)	S75	0.106	2.088	13.632	0.298	OK
21.004	30 min Summer	15	S75	S76	0.300	0.815	38.983	0.569	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	14	PS134	PS135	0.150	0.180	2.186	0.086	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	14	PS135	S76	0.150	0.276	4.878	0.174	Surcharged
21.005	15 min Winter	14	S76	S77	0.300	0.676	29.126	0.446	Surcharged
12.008	15 min Winter	11	S77	S78	0.375	0.954	105.416	0.978	Surcharged
12.009	15 min Winter	11	S78	S79	0.375	0.951	105.052	1.003	Surcharged
27.000	30 min Summer	19	RWP15A	RE14A	0.100	0.204	1.359	0.085	Surcharged
27.001	15 min Summer	10	RE14A	PS95	0.094	1.236	9.498	1.417	OK
27.002	15 min Summer	10	PS95	PS94	0.091	1.291	9.458	1.064	OK
28.000	15 min Summer	0	RWP14B	RE13A	0.000	0.000	0.000	0.000	OK
28.001	1440 min Summer	1435	RE13A	PS94	0.012	0.000	0.000	0.000	OK
27.003	1440 min Summer	1435	PS94	S79	0.112	0.534	0.692	0.015	OK
29.000	15 min Winter	13	RWP10A	RE10A	0.100	0.515	2.938	0.199	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	8.521	1.469	OK
30.000	1440 min Summer	1442	RWP12B	PS5	0.012	0.000	0.000	0.000	OK
29.003	1440 min Summer	1442	PS5	S79	0.112	0.589	0.692	0.013	OK
12.010	15 min Winter	11	S79	S105	0.375	1.315	145.266	1.371	Surcharged
31.000	30 min Summer	19	RWP16A	RE16A	0.100	0.202	1.362	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	9.441	0.956	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	720 min Summer	684	RE17A	PS99	0.050	0.000	0.000	0.000	OK
34.000	720 min Summer	684	RWP18B	PS99	0.050	0.000	0.000	0.000	OK
31.003	960 min Summer	771	PS99	S105	0.150	0.563	0.961	0.021	Surcharged
35.000	15 min Summer	11	RWP9A	RE9A	0.100	0.235	1.818	0.133	Surcharged
35.001	30 min Summer	16	RE9A	PS7	0.100	1.229	9.296	1.048	Surcharged
35.002	960 min Summer	771	PS7	PS8	0.100	0.878	0.961	0.116	Surcharged
36.000	15 min Summer	0	RWP7B	PS12	0.000	0.000	0.000	0.000	OK
36.001	180 min Summer	152	PS12	PS8	0.050	0.000	0.000	0.000	OK
35.003	360 min Summer	253	PS8	S105	0.150	0.829	2.133	0.046	Surcharged
12.011	15 min Winter	11	S105	S80	0.375	1.461	161.320	1.504	Surcharged
37.000	15 min Summer	0	PS119	PS120	0.000	0.000	0.000	0.000	OK
37.001	1440 min Summer	1434	PS120	PS118	0.012	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	1440 min Summer	1434	RE32B	PS118	0.037	0.000	0.000	0.000	OK
39.000	15 min Summer	8	S127 (D)	PS118	0.049	2.492	12.496	0.178	OK
37.002	1440 min Summer	1434	PS118	S128	0.112	1.091	1.371	0.032	OK
40.000	1440 min Summer	1004	S91	S128	0.225	0.346	1.205	0.028	OK
37.003	30 min Summer	17	S128	S92	0.225	1.077	26.999	0.638	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	0.050	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	0.050	0.000	0.000	0.000	OK
43.000	15 min Summer	10	S129 (D)	PS115	0.092	2.441	11.149	0.138	OK
41.003	480 min Winter	442	PS115	S92	0.150	1.084	3.214	0.081	Surcharged
37.004	15 min Winter	8	S92	S93	0.300	0.741	40.764	0.553	Surcharged
44.000	15 min Summer	0	RWP25B	RE25A	0.000	0.000	0.000	0.000	OK
44.001	1440 min Summer	1442	RE25A	PS114	0.012	0.000	0.000	0.000	OK
44.002	1440 min Summer	1513	PS114	PS111	0.062	0.011	0.052	0.007	OK
45.000	15 min Summer	0	RWP25A	RE25B	0.000	0.000	0.000	0.000	OK
45.001	480 min Summer	444	RE25B	PS111	0.050	0.000	0.000	0.000	OK
46.000	15 min Summer	10	S130 (D)	PS111	0.088	1.962	6.176	0.105	OK
44.003	720 min Summer	533	PS111	S93	0.150	1.016	3.915	0.088	Surcharged
37.005	15 min Winter	8	S93	S94	0.300	1.022	68.927	0.935	Surcharged
47.000	15 min Summer	0	RWP23A	RE23A	0.000	0.000	0.000	0.000	OK
47.001	1440 min Summer	1432	RE23A	PS108	0.037	0.000	0.000	0.000	OK
47.002	1440 min Summer	2065	PS108	PS109	0.087	0.014	0.068	0.009	OK
48.000	960 min Summer	863	RWP23C	PS110	0.050	0.000	0.000	0.000	OK
48.001	1440 min Summer	1786	PS110	PS109	0.100	0.011	0.069	0.013	Surcharged
49.000	15 min Summer	11	S131 (D)	PS109	0.087	2.009	6.191	0.102	OK
47.003	480 min Winter	357	PS109	S94	0.150	1.086	3.839	0.083	Surcharged
37.006	15 min Winter	8	S94	S135	0.300	1.202	84.619	1.271	Surcharged
37.007	15 min Winter	9	S135	S80	0.300	1.064	75.181	0.842	Surcharged
50.000	1440 min Summer	1442	RE5A	PS1	0.027	0.000	0.000	0.000	OK
50.001	1440 min Summer	1631	PS1	PS2	0.077	0.012	0.070	0.008	OK
51.000	1440 min Summer	1202	RWP5A	RE5B	0.050	0.000	0.000	0.000	OK
51.001	1440 min Winter	2406	RE5B	PS2	0.100	0.013	0.065	0.011	Surcharged
52.000	360 min Summer	287	RWP6B	PS2	0.050	0.000	0.000	0.000	OK
50.002	1440 min Summer	1524	PS2	S82	0.150	0.007	0.130	0.004	Surcharged
50.003	15 min Winter	8	S82	S80	0.225	0.807	24.699	0.645	OK
12.012	15 min Winter	11	S80	S81	0.375	2.262	249.793	2.332	Surcharged
12.013	15 min Winter	11	S81	S97	0.375	2.658	246.886	2.460	Surcharged
1.016	120 min Summer	69	S97	S98	0.300	0.049	3.456	0.033	Surcharged
1.017	60 min Summer	57	S98	S99	0.225	0.079	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	60 min Summer	45	5.248	0.098	4.996		OK
S126	30 min Summer	22	5.183	0.038	1.715		OK
S124	30 min Summer	22	5.291	0.033	1.296		OK
S122	30 min Summer	22	5.396	0.035	1.439		OK
S74	60 min Summer	44	5.050	0.077	4.498		OK
S127	60 min Summer	41	5.305	0.060	3.342		OK
S129	30 min Summer	24	5.138	0.047	2.111		OK
S130	60 min Summer	39	5.005	0.077	2.410		OK
S131	60 min Summer	40	4.907	0.080	2.519		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	1.182		OK
RWP47F	15 min Summer	11	5.376	0.076	0.485		OK
PS156	15 min Summer	11	5.376	0.201	2.111		Surcharged
PS155	15 min Summer	11	5.383	0.358	1.219		Surcharged
PS154	15 min Summer	10	5.410	0.490	4.521		Surcharged
RWP47A	15 min Summer	10	5.464	0.164	0.634		Surcharged
RE47B	15 min Summer	10	5.463	0.263	1.218		Surcharged
PS153	15 min Summer	10	5.455	0.680	5.297		Surcharged
S87	15 min Summer	10	5.455	0.855	55.252		Surcharged
S95 (D)	15 min Summer	10	5.250	0.200	6.238		Surcharged
S96	15 min Summer	10	5.272	0.837	121.967		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 Summer	1437	4.966	0.116	0.002		Surcharged
PS162	1440 min Summer	1434	4.966	0.316	0.003		Surcharged
S102	1440 min Summer	1436	4.966	0.551	0.115		Surcharged
S88	1440 min Summer	1435	4.966	0.711	1.057		Surcharged
S89	1440 min Summer	1435	4.966	0.736	1.054		Surcharged
S126 (D)	30 min Summer	22	5.074	0.024	2.318		OK
S124 (D)	30 min Summer	21	5.169	0.019	1.905		OK
S125	1440 min Summer	1437	4.966	0.766	0.917		Surcharged
S122 (D)	30 min Summer	21	5.270	0.020	2.059		OK
S132	1440 min Summer	1437	4.966	0.423	0.000		Surcharged
S90	1440 min Summer	1437	4.966	0.816	0.971		Surcharged
S107	1440 min Summer	1437	4.966	0.841	0.992		Flood Risk
S100	1440 min Summer	1436	4.966	0.366	0.094		Surcharged
S101	1440 min Summer	1436	4.966	0.496	0.157		Flood Risk
S108	1440 min Summer	1436	4.966	0.891	1.348		Flood Risk
S121	1440 min Summer	1436	4.966	0.916	1.356		Surcharged
S110	1440 min Summer	1436	4.966	0.966	1.527		Flood Risk
RWP100A	15 min Summer	12	5.141	0.141	0.449		Surcharged
RE100B	15 min Summer	12	5.140	0.240	0.895		Surcharged
PS151	30 min Summer	20	5.136	0.436	0.898		Surcharged
RWP100B	15 min Summer	11	5.154	0.154	1.075		Surcharged
RE100A	15 min Summer	11	5.154	0.554	2.137		Surcharged
YG47A	15 min Summer	11	5.170	0.070	0.000		OK
ACO101A	15 min Summer	11	5.161	0.615	0.000		Surcharged
PS150	15 min Summer	11	5.160	0.810	5.824		Surcharged
S83	15 min Summer	10	5.168	1.108	30.775		Surcharged
RWP104A	30 min Summer	21	5.115	0.215	0.000		Surcharged
YG104A	30 min Summer	21	5.115	0.215	0.000		Surcharged
PS141	30 min Summer	21	5.115	0.315	0.286		Surcharged
PS142	30 min Summer	20	5.109	0.509	2.466		Surcharged
RWP104C	15 min Summer	11	5.153	0.253	1.043		Surcharged
RE104A	15 min Summer	11	5.153	0.353	2.018		Surcharged
PS143	15 min Summer	11	5.153	0.803	5.849		Surcharged
S84	15 min Summer	10	5.166	1.161	51.719		Surcharged
RWP44A	-	0	5.300	0.000	0.000		OK
RE44A	-	0	5.200	0.000	0.000		OK
PS122	15 min Summer	11	5.177	0.177	0.900		Surcharged
RWP44C	-	0	5.300	0.000	0.000		OK
RE44B	15 min Summer	11	5.173	0.173	1.209		Surcharged
PS123	15 min Summer	11	5.170	0.420	2.207		Surcharged
S112	15 min Summer	11	5.167	0.538	2.199		Surcharged
S85	15 min Summer	10	5.156	1.181	61.758		Surcharged
S86	15 min Summer	10	5.107	1.222	105.637		Surcharged
YG115A	-	0	5.200	0.000	0.000		OK
RWP/ACO113B	30 min Summer	21	4.973	0.173	0.000		Surcharged
PS140	30 min Summer	21	4.972	0.272	0.353		Surcharged
PS139	1440 min Summer	1445	4.966	0.466	0.025		Surcharged
RWP113A	30 min Summer	20	4.977	0.177	0.000		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RE113A	30 min Summer	20	4.977	0.277	0.070		Surcharged
PS137	30 min Summer	20	4.967	0.667	1.479		Surcharged
S74 (D)	30 min Summer	19	5.006	0.281	10.895		Surcharged
S75	30 min Summer	19	4.969	1.044	34.434		Surcharged
RWP117B	-	0	5.000	0.000	0.000		OK
RE117A	1440 min Summer	1435	4.966	0.066	0.009		OK
PS134	1440 min Summer	1443	4.966	0.516	0.031		Surcharged
RWP117A	-	0	5.000	0.000	0.000		OK
RE117B	1440 min Summer	1443	4.966	0.066	0.023		OK
PS135	1440 min Summer	1443	4.966	0.766	0.045		Surcharged
S76	1440 min Summer	1443	4.966	1.131	0.216		Surcharged
S77	1440 min Summer	1443	4.966	1.236	0.153		Surcharged
S78	1440 min Summer	1443	4.966	1.270	0.039		Surcharged
RWP15A	15 min Summer	10	5.704	0.404	0.260		Flood Risk
RE14A	15 min Summer	10	5.703	0.503	11.468		Flood Risk
PS95	15 min Summer	11	5.221	0.221	10.121		Surcharged
RWP14B	-	0	5.300	0.000	0.000		OK
RE13A	-	0	5.200	0.000	0.000		OK
PS94	1440 min Summer	1443	4.966	0.266	0.014		Surcharged
RWP10A	15 min Summer	10	5.608	0.508	0.502		Flood Risk
RE10A	15 min Summer	10	5.608	0.558	11.468		Flood Risk
PS4	15 min Summer	11	5.166	0.316	9.737		Surcharged
RWP12B	-	0	5.100	0.000	0.000		OK
PS5	1440 min Summer	1444	4.966	0.266	0.015		Surcharged
S79	1440 min Summer	1443	4.966	1.296	0.060		Surcharged
RWP16A	15 min Summer	10	5.590	0.390	0.075		Flood Risk
RE16A	15 min Summer	10	5.589	0.489	11.468		Flood Risk
PS98	15 min Summer	11	5.051	0.151	10.628		Surcharged
RWP17D	-	0	5.200	0.000	0.000		OK
RWP17C	-	0	5.200	0.000	0.000		OK
RE17A	1440 min Summer	1435	4.966	0.166	0.014		Surcharged
RWP18B	-	0	5.200	0.000	0.000		OK
PS99	1440 min Summer	1444	4.966	0.416	0.028		Surcharged
RWP9A	15 min Summer	10	5.374	0.374	0.376		Surcharged
RE9A	15 min Summer	10	5.374	0.424	11.468		Surcharged
PS7	1440 min Summer	1444	4.966	0.366	0.032		Surcharged
RWP7B	-	0	5.100	0.000	0.000		OK
PS12	-	0	5.000	0.000	0.000		OK
PS8	1440 min Summer	1444	4.966	0.566	0.046		Surcharged
S105	1440 min Summer	1443	4.966	1.396	0.061		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	5.249	0.049	16.243		OK
PS118	30 min Summer	19	5.027	0.327	10.490		Surcharged
S91	15 min Summer	11	5.021	0.534	11.768		Surcharged
S128	15 min Summer	11	5.009	0.702	23.293		Surcharged
RWP28C	-	0	5.300	0.000	0.000		OK
RE28B	-	0	5.200	0.000	0.000		OK
PS117	30 min Summer	19	4.991	0.191	0.060		Surcharged
RWP28A	-	0	5.300	0.000	0.000		OK
RE28A	-	0	5.200	0.000	0.000		OK
S129 (D)	15 min Summer	8	5.093	0.043	14.515		OK
PS115	30 min Summer	19	4.986	0.486	9.201		Surcharged
S92	30 min Summer	19	4.973	0.883	39.014		Surcharged
RWP25B	-	0	5.000	0.000	0.000		OK
RE25A	30 min Summer	20	4.970	0.070	0.000		OK
PS114	30 min Summer	20	4.966	0.216	0.356		Surcharged
RWP25A	-	0	5.200	0.000	0.000		OK
RE25B	-	0	5.000	0.000	0.000		OK
S130 (D)	30 min Summer	17	4.988	0.038	8.474		OK
PS111	1440 min Summer	1445	4.966	0.466	0.018		Surcharged
S93	1440 min Summer	1445	4.966	0.947	0.133		Surcharged
RWP23A	-	0	5.000	0.000	0.000		OK
RE23A	1440 min Summer	1446	4.966	0.066	0.021		OK
PS108	1440 min Summer	1443	4.966	0.266	0.000		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	1440 min Summer	1443	4.966	0.346	0.007		Surcharged
S131 (D)	1440 min Summer	1445	4.966	0.116	0.365		OK
PS109	1440 min Summer	1446	4.966	0.516	0.085		Surcharged
S94	1440 min Summer	1445	4.966	1.023	0.126		Surcharged
S135	1440 min Summer	1436	4.966	1.219	0.771		Surcharged
RE5A	1440 min Summer	1443	4.966	0.116	0.000		Surcharged
PS1	1440 min Summer	1443	4.966	0.246	0.031		Surcharged
RWP5A	1440 min Summer	1442	4.966	0.066	0.000		OK
RE5B	1440 min Summer	1442	4.966	0.316	0.027		Surcharged
RWP6B	1440 min Summer	1435	4.966	0.066	0.011		OK
PS2	1440 min Summer	1435	4.966	0.533	0.075		Surcharged
S82	1440 min Summer	1433	4.966	1.155	0.198		Surcharged
S80	1440 min Summer	1436	4.966	1.419	2.386		Surcharged
S81	1440 min Summer	1438	4.966	1.441	1.598		Flood Risk
S97	1440 min Summer	1438	4.966	1.516	3.196		Flood Risk
S98	1440 min Summer	1438	4.966	1.566	2.862		Flood Risk
S99	15 min Summer	0	4.000	0.650	3.053		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	0.207	0.655	0.050	OK
1.001	15 min Summer	12	RE47A	PS156	0.086	0.343	2.434	0.349	OK
2.000	15 min Summer	13	RWP47F	PS156	0.088	0.088	0.340	0.018	OK
1.002	15 min Winter	12	PS156	PS155	0.100	0.302	2.375	0.366	Surcharged
1.003	15 min Winter	13	PS155	PS154	0.100	0.616	4.838	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	2.256	0.115	Surcharged
3.001	15 min Winter	11	RE47B	PS153	0.100	0.415	3.259	0.276	Surcharged
1.005	15 min Winter	13	PS153	S87	0.150	0.656	11.590	0.464	Surcharged
1.006	15 min Winter	9	S87	S96	0.225	1.250	49.689	1.407	OK
4.000	30 min Summer	31	S95 (D)	S96	0.150	1.320	8.689	0.338	Surcharged
1.007	15 min Winter	9	S96	S88	0.300	1.666	117.779	1.961	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	1268	RWP53G	RE53B	0.050	0.000	0.000	0.000	OK
6.001	1440 min Summer	1983	RE53B	PS162	0.100	0.009	0.053	0.007	Surcharged
5.002	15 min Winter	13	PS162	S102	0.150	0.225	2.217	0.107	Surcharged
5.003	15 min Winter	9	S102	S88	0.300	0.534	23.784	0.400	Surcharged
1.008	15 min Winter	10	S88	S89	0.375	1.236	136.541	1.461	Surcharged
1.009	15 min Winter	10	S89	S125	0.375	1.229	135.758	1.441	Surcharged
7.000	30 min Summer	22	S126 (D)	S125	0.087	0.678	2.323	0.054	OK
8.000	30 min Summer	21	S124 (D)	S125	0.084	0.711	1.905	0.033	OK
1.010	15 min Winter	10	S125	S90	0.375	1.478	163.279	1.761	Surcharged
9.000	30 min Summer	21	S122 (D)	S90	0.085	0.620	2.057	0.037	OK
10.000	240 min Winter	636	S132	S90	0.150	0.003	0.054	0.002	Surcharged
1.011	15 min Winter	10	S90	S107	0.375	1.459	161.098	1.591	Surcharged
1.012	15 min Winter	11	S107	S108	0.375	1.734	159.978	1.591	Surcharged
11.000	1440 min Summer	1036	S100	S101	0.300	0.592	12.861	0.083	Surcharged
11.001	480 min Summer	356	S101	S108	0.300	0.830	7.622	0.053	Surcharged
1.013	15 min Winter	11	S108	S121	0.375	1.041	112.329	1.145	Surcharged
1.014	15 min Winter	11	S121	S110	0.375	1.011	109.700	1.176	Surcharged
1.015	15 min Winter	11	S110	S97	0.375	1.316	138.492	1.107	Surcharged
12.000	15 min Winter	14	RWP100A	RE100B	0.100	0.187	1.126	0.079	Surcharged
12.001	15 min Winter	14	RE100B	PS151	0.100	0.286	2.113	0.266	Surcharged
12.002	15 min Winter	15	PS151	PS150	0.100	0.503	3.953	0.442	Surcharged
13.000	30 min Summer	22	RWP100B	RE100A	0.100	0.144	0.958	0.030	Surcharged
13.001	15 min Winter	17	RE100A	PS150	0.100	0.349	2.677	0.353	Surcharged
14.000	15 min Summer	12	YG47A	PS150	0.085	0.095	0.491	0.025	OK
15.000	15 min Winter	17	ACO101A	PS150	0.100	0.376	2.953	0.273	Surcharged
12.003	15 min Winter	16	PS150	S83	0.150	0.558	9.862	0.405	Surcharged
12.004	15 min Winter	13	S83	S84	0.300	0.482	18.168	0.238	Surcharged
16.000	15 min Winter	16	RWP104A	PS141	0.100	0.244	1.370	0.089	Surcharged
17.000	15 min Winter	16	YG104A	PS141	0.100	0.295	1.643	0.089	Surcharged
16.001	15 min Winter	16	PS141	PS142	0.100	0.500	3.927	0.527	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	0.722	5.673	0.735	Surcharged
18.000	15 min Winter	15	RWP104C	RE104A	0.100	0.317	1.609	0.121	Surcharged
18.001	15 min Winter	15	RE104A	PS143	0.100	0.424	3.330	0.331	Surcharged
16.003	15 min Winter	15	PS143	S84	0.150	0.551	9.732	0.247	Surcharged
12.005	15 min Winter	8	S84	S85	0.300	0.754	39.109	0.633	Surcharged
19.000	15 min Summer	0	RWP44A	RE44A	0.000	0.000	0.000	0.000	OK
19.001	15 min Summer	11	RE44A	PS122	0.050	0.000	0.000	0.000	OK
19.002	15 min Winter	13	PS122	PS123	0.100	0.224	1.227	0.163	Surcharged
20.000	15 min Summer	11	RWP44C	RE44B	0.050	0.000	0.000	0.000	OK
20.001	15 min Winter	12	RE44B	PS123	0.100	0.201	1.144	0.186	Surcharged
19.003	15 min Winter	13	PS123	S112	0.150	0.187	3.302	0.115	Surcharged
19.004	15 min Winter	16	S112	S85	0.150	0.388	6.848	0.200	Surcharged
12.006	15 min Winter	13	S85	S86	0.300	0.792	53.374	0.842	Surcharged
12.007	15 min Winter	8	S86	S77	0.300	1.390	98.277	1.578	Surcharged
21.000	15 min Summer	10	YG115A	PS140	0.050	0.000	0.000	0.000	OK
22.000	15 min Winter	15		PS140	0.100	0.247	1.297	0.073	Surcharged
21.001	15 min Winter	15	PS140	PS139	0.100	0.342	2.149	0.352	Surcharged
21.002	15 min Winter	16	PS139	PS137	0.100	0.541	4.247	0.614	Surcharged
23.000	30 min Summer	24	RWP113A	RE113A	0.100	0.208	1.133	0.064	Surcharged
23.001	15 min Winter	15	RE113A	PS137	0.100	0.297	2.300	0.284	Surcharged
21.003	15 min Winter	15	PS137	S75	0.150	0.430	7.599	0.251	Surcharged
24.000	15 min Winter	10	S74 (D)	S75	0.150	2.015	15.980	0.350	Surcharged
21.004	15 min Winter	8	S75	S76	0.300	0.851	44.849	0.655	Surcharged
25.000	1440 min Summer	1435	RWP117B	RE117A	0.033	0.000	0.000	0.000	OK
25.001	1440 min Summer	1795	RE117A	PS134	0.083	0.013	0.074	0.009	OK
25.002	15 min Winter	17	PS134	PS135	0.150	0.167	2.696	0.106	Surcharged
26.000	1440 min Summer	1443	RWP117A	RE117B	0.033	0.000	0.000	0.000	OK
26.001	1440 min Summer	1510	RE117B	PS135	0.083	0.010	0.066	0.006	OK
25.003	15 min Winter	17	PS135	S76	0.150	0.291	5.062	0.181	Surcharged
21.005	15 min Winter	15	S76	S77	0.300	0.711	34.464	0.528	Surcharged
12.008	15 min Winter	10	S77	S78	0.375	1.067	117.873	1.093	Surcharged
12.009	15 min Winter	11	S78	S79	0.375	1.057	116.694	1.114	Surcharged
27.000	15 min Winter	13	RWP15A	RE14A	0.100	0.305	2.395	0.149	Surcharged
27.001	15 min Winter	10	RE14A	PS95	0.100	1.325	10.405	1.552	Surcharged
27.002	15 min Winter	11	PS95	PS94	0.100	1.296	10.095	1.136	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	10.389	0.222	Surcharged
29.000	30 min Winter	23	RWP10A	RE10A	0.100	0.537	2.839	0.192	Surcharged
29.001	15 min Winter	10	RE10A	PS4	0.100	1.263	9.916	1.487	Surcharged
29.002	15 min Winter	11	PS4	PS5	0.100	1.228	9.546	1.646	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	9.943	0.184	Surcharged
12.010	15 min Winter	10	S79	S105	0.375	1.517	167.515	1.581	Surcharged
31.000	30 min Summer	21	RWP16A	RE16A	0.100	0.472	2.775	0.170	Surcharged
31.001	15 min Winter	10	RE16A	PS98	0.100	1.391	10.810	1.611	Surcharged
31.002	30 min Summer	19	PS98	PS99	0.100	1.425	10.557	1.069	Surcharged
32.000	960 min Summer	845	RWP17D	RE17A	0.050	0.000	0.000	0.000	OK
33.000	960 min Summer	845	RWP17C	RE17A	0.050	0.000	0.000	0.000	OK
32.001	960 min Winter	1773	RE17A	PS99	0.100	0.012	0.067	0.007	Surcharged
34.000	15 min Summer	12	RWP18B	PS99	0.050	0.000	0.000	0.000	OK
31.003	30 min Summer	19	PS99	S105	0.150	1.498	9.948	0.220	Surcharged
35.000	15 min Winter	13	RWP9A	RE9A	0.100	0.266	2.092	0.153	Surcharged
35.001	15 min Winter	9	RE9A	PS7	0.100	1.316	10.340	1.166	Surcharged
35.002	15 min Winter	10	PS7	PS8	0.100	1.502	9.945	1.202	Surcharged
36.000	15 min Summer	0	RWP7B	PS12	0.000	0.000	0.000	0.000	OK
36.001	15 min Summer	10	PS12	PS8	0.050	0.000	0.000	0.000	OK
35.003	15 min Winter	10	PS8	S105	0.150	1.652	9.122	0.197	Surcharged
12.011	15 min Winter	10	S105	S80	0.375	1.626	179.558	1.674	Surcharged
37.000	15 min Summer	0	PS119	PS120	0.000	0.000	0.000	0.000	OK
37.001	15 min Summer	9	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	9	S127 (D)	PS118	0.099	2.646	16.219	0.231	OK
37.002	15 min Winter	10	PS118	S128	0.150	2.038	14.231	0.334	Surcharged
40.000	15 min Winter	9	S91	S128	0.225	0.863	21.059	0.498	OK
37.003	30 min Summer	15	S128	S92	0.225	1.071	26.927	0.637	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	10	RE28B	PS117	0.050	0.000	0.000	0.000	OK
41.002	30 min Summer	23	PS117	PS115	0.100	0.200	1.291	0.161	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	8	S129 (D)	PS115	0.096	2.457	14.493	0.179	OK
41.003	15 min Winter	8	PS115	S92	0.150	1.880	11.946	0.301	Surcharged
37.004	15 min Winter	7	S92	S93	0.300	0.734	41.727	0.566	Surcharged
44.000	30 min Summer	20	RWP25B	RE25A	0.035	0.000	0.000	0.000	OK
44.001	30 min Summer	21	RE25A	PS114	0.085	0.121	0.690	0.101	OK
44.002	30 min Summer	21	PS114	PS111	0.100	0.204	1.442	0.200	Surcharged
45.000	15 min Summer	0	RWP25A	RE25B	0.000	0.000	0.000	0.000	OK
45.001	15 min Summer	8	RE25B	PS111	0.050	0.000	0.000	0.000	OK
46.000	30 min Summer	17	S130 (D)	PS111	0.094	1.999	8.449	0.143	OK
44.003	30 min Summer	21	PS111	S93	0.150	1.369	8.178	0.183	Surcharged
37.005	15 min Winter	7	S93	S94	0.300	1.047	73.995	1.004	Surcharged
47.000	1440 min Summer	1446	RWP23A	RE23A	0.033	0.000	0.000	0.000	OK
47.001	1440 min Summer	1631	RE23A	PS108	0.083	0.012	0.074	0.009	OK
47.002	15 min Winter	14	PS108	PS109	0.100	0.217	1.217	0.167	Surcharged
48.000	15 min Summer	10	RWP23C	PS110	0.050	0.000	0.000	0.000	OK
48.001	15 min Winter	15	PS110	PS109	0.100	0.239	1.598	0.299	Surcharged
49.000	1440 min Summer	1442	S131 (D)	PS109	0.133	1.152	1.110	0.018	OK
47.003	30 min Summer	23	PS109	S94	0.150	1.407	8.131	0.175	Surcharged
37.006	15 min Winter	9	S94	S135	0.300	1.261	89.127	1.339	Surcharged
37.007	15 min Winter	10	S135	S80	0.300	1.190	84.137	0.942	Surcharged
50.000	1440 min Summer	2391	RE5A	PS1	0.100	0.011	0.058	0.010	Surcharged
50.001	1440 min Winter	2242	PS1	PS2	0.100	0.013	0.101	0.012	Surcharged
51.000	1440 min Summer	1825	RWP5A	RE5B	0.083	0.010	0.053	0.003	OK
51.001	1440 min Summer	1912	RE5B	PS2	0.100	0.016	0.104	0.017	Surcharged
52.000	1440 min Summer	1724	RWP6B	PS2	0.083	0.011	0.054	0.002	OK
50.002	15 min Winter	15	PS2	S82	0.150	0.135	1.950	0.059	Surcharged
50.003	15 min Winter	8	S82	S80	0.225	0.789	30.830	0.806	OK
12.012	15 min Winter	10	S80	S81	0.375	2.562	283.000	2.642	Surcharged
12.013	15 min Winter	10	S81	S97	0.375	2.733	278.024	2.771	Surcharged
1.016	60 min Summer	37	S97	S98	0.300	0.053	3.720	0.036	Surcharged
1.017	30 min Summer	385	S98	S99	0.225	0.079	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	60 min Summer	47	5.277	0.127	7.816		OK
S126	30 min Summer	21	5.192	0.048	2.478		OK
S124	30 min Summer	21	5.299	0.042	1.873		OK
S122	30 min Summer	21	5.405	0.044	2.079		OK
S74	60 min Summer	43	5.068	0.095	6.259		OK
S127	60 min Summer	40	5.319	0.075	4.499		OK
S129	30 min Summer	22	5.150	0.058	3.277		OK
S130	30 min Summer	22	5.018	0.090	3.589		OK
S131	1440 min Summer	1436	4.966	0.139	0.042		OK