

Network Details

Manhole Schedule

Manhole	Catchment Area (ha)	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
RWP299A	0.000	0.180	Type E	5.700	5.150	0.450	488751.462	98028.186
RE299A	0.000	0.180	Type E	5.688	5.100	0.488	488752.244	98028.309
ACO299	0.000	0.180	Type E	5.672	5.120	0.452	488754.448	98024.381
RWP299B	0.000	0.180	Type E	5.698	5.150	0.448	488752.995	98023.332
PS211	0.000	0.250	250	5.690	5.025	0.565	488753.892	98023.070
RWP299C	0.000	0.180	Type E	5.714	5.150	0.464	488744.011	98020.499
PS212	0.000	0.450	450	5.751	4.900	0.751	488742.650	98019.561
ACO300	0.000	0.180	Type E	5.670	5.120	0.450	488751.876	98033.188
RWP300B	0.000	0.180	Type E	5.850	5.150	0.600	488749.638	98033.638
RE300A	0.000	0.180	Type E	5.851	5.100	0.651	488749.696	98034.202
PS209	0.000	0.450	450	5.781	4.950	0.731	488739.041	98030.820
RWP299D	0.000	0.180	Type E	5.800	5.150	0.550	488742.455	98025.260
PS210	0.011	0.450	Type E	5.801	4.790	0.861	488741.110	98024.148
S64	0.012	1.350	Type C	5.869	4.625	1.019	488732.938	98021.539
ACO297	0.000	0.180	Type E	5.895	5.345	0.450	488760.646	98008.092
RWP297A	0.000	0.180	Type E	5.924	5.375	0.449	488760.064	98005.228
RE297A	0.000	0.180	Type E	5.957	5.300	0.557	488760.650	98004.530
PS216	0.000	0.450	450	5.941	5.175	0.666	488750.707	97999.844
ACO298	0.000	0.180	Type E	5.897	5.345	0.452	488758.812	98012.027
RWP298A	0.000	0.180	Type E	5.924	5.375	0.449	488756.370	98013.143
RE298A	0.000	0.180	Type E	5.917	5.300	0.517	488756.330	98013.940
PS214	0.010	0.450	Type E	5.957	5.000	0.807	488746.147	98009.634
S123	0.024	1.350	Unknown	5.743	4.950	0.643	488756.040	98020.882
S65	0.019	1.350	Type C	6.026	4.475	1.326	488737.880	98004.807
DF297	0.009	1.350	Type E	5.950	5.200	0.600	488749.053	97998.228
S125	0.000	1.200	Type B	6.154	4.368	1.561	488744.700	97992.117
RWP303A	0.000	0.180	Type E	6.270	5.650	0.520	488790.854	98018.007
PS351	0.008	0.450	450	6.330	5.625	0.605	488792.345	98019.095
PS352	0.000	0.450	450	6.319	5.425	0.794	488799.993	98001.763
RE303A	0.009	0.180	Type E	6.201	5.650	0.451	488781.834	98013.686
PS354	0.000	0.450	450	6.401	5.250	1.001	488789.489	97997.055
RE306A	0.014	0.250	250	6.206	5.650	0.456	488810.852	97978.128
RWP306B	0.000	0.180	Type E	6.225	5.675	0.450	488797.614	97973.235
PS378	0.000	0.450	450	6.217	5.400	0.717	488797.076	97971.768
RE306B	0.000	0.180	Type E	6.268	5.650	0.518	488805.687	97989.276
DF306	0.007	0.180	Type E	6.167	5.500	0.517	488793.451	97969.834
RWP306A	0.000	0.180	Type E	6.246	5.675	0.471	488793.456	97981.595
PS39	0.000	0.450	450	6.293	5.100	1.043	488791.995	97982.704
S97	0.000	1.350	Type C	6.253	4.903	1.200	488789.022	97985.967
RE292A	0.000	0.180	Type E	6.137	5.550	0.487	488779.073	97963.387
DF293	0.007	0.180	Type E	6.172	5.500	0.522	488789.510	97968.099
PS387	0.000	0.450	450	6.157	5.370	0.637	488787.833	97967.472
PS35	0.000	0.450	450	6.258	5.200	0.908	488782.792	97978.370
RE291A	0.000	0.180	Type E	6.125	5.450	0.575	488773.935	97960.779
PS386	0.000	0.450	450	6.164	5.300	0.764	488768.943	97971.837
PS36	0.000	0.450	450	6.261	5.120	0.991	488778.080	97976.187
S121	0.012	1.350	Unknown	6.282	5.485	0.647	488772.626	97988.058
S67	0.054	1.350	Type C	6.188	4.800	1.238	488776.294	97979.830
S68	0.000	1.200	Type B	6.087	4.175	1.687	488757.060	97969.122
S66	0.025	1.200	Type B	5.951	4.105	1.621	488762.028	97957.017
RWP266A	0.000	0.180	Type E	6.099	5.550	0.449	488751.052	97911.069
RE266A	0.004	0.180	Type E	6.055	5.500	0.455	488751.169	97910.334
PS516	0.000	0.250	250	6.075	5.400	0.575	488746.283	97907.110
RE266B	0.000	0.180	Type E	6.129	5.575	0.454	488734.227	97908.172
ACO266A	0.000	0.180	Type E	6.120	5.570	0.450	488741.943	97912.803
PS850	0.000	0.450	450	6.139	5.300	0.739	488742.039	97913.428
GY267	0.000	0.180	Type E	6.061	5.450	0.461	488746.235	97917.834
RWP266B	0.000	0.180	Type E	6.150	5.600	0.450	488743.063	97913.441
PS523	0.000	0.180	Type E	6.150	5.600	0.450	488741.694	97914.732
PS521	0.000	0.450	450	6.139	5.100	0.889	488742.997	97915.552
RE266C	0.000	0.180	Type E	6.224	5.700	0.424	488726.780	97917.575
PS518	0.000	0.450	450	6.189	5.025	1.014	488737.417	97924.513
S56	0.084	1.350	Type C	6.100	4.675	1.200	488735.592	97929.033
S57	0.009	1.200	Type B	5.829	3.975	1.554	488764.438	97945.462

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Manhole	Catchment Area (ha)	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
RE288B	0.000	0.180	Type E	5.686	5.150	0.436	488796.436	97934.814
PS481	0.000	0.450	450	5.712	4.900	0.712	488789.528	97947.714
RE288A	0.000	0.180	Type E	5.781	5.225	0.456	488785.541	97929.025
DF290	0.015	0.180	Type E	5.716	5.050	0.516	488780.886	97943.201
PS58	0.000	0.450	450	5.764	4.700	0.914	488778.310	97943.274
PS851	0.000	0.180	Type E	5.927	5.375	0.452	488761.508	97930.560
RE268A	0.000	0.180	Type E	5.936	5.300	0.486	488760.700	97930.938
RWP268G	0.000	0.180	Type E	5.925	5.375	0.450	488762.102	97935.560
PS494	0.000	0.450	450	5.956	5.100	0.706	488761.213	97936.154
PS495	0.000	0.450	450	5.891	4.900	0.841	488767.358	97939.494
RWP268B	0.000	0.180	Type E	5.920	5.375	0.445	488768.358	97918.338
RE268B	0.002	0.180	Type E	5.898	5.350	0.448	488769.492	97918.429
RWP268A	0.000	0.180	Type E	5.926	5.375	0.451	488762.814	97922.630
GY268A	0.000	0.180	Type E	5.920	5.325	0.445	488763.881	97925.746
RWP268D	0.000	0.180	Type E	5.922	5.375	0.447	488764.470	97925.431
PS852	0.000	0.250	250	5.925	5.175	0.600	488764.344	97924.199
PS492	0.000	0.450	450	5.842	4.900	0.792	488773.197	97929.347
PS496	0.000	0.450	450	5.866	4.800	0.916	488770.488	97934.099
S58	0.039	1.350	Type C	5.672	3.930	1.442	488773.656	97935.757
RE287A	0.000	0.180	Type E	5.551	5.000	0.451	488799.416	97929.431
RE285B	0.000	0.180	Type E	5.548	5.025	0.423	488809.615	97910.062
PS469	0.000	0.450	450	5.533	4.830	0.603	488804.748	97919.376
RE285A	0.000	0.180	Type E	5.577	5.000	0.477	488802.523	97905.599
PS62(D)	0.005	0.180	Type E	5.513	4.725	0.638	488796.782	97913.489
PS63	0.000	0.450	450	5.636	4.650	0.836	488793.724	97913.147
DF287	0.008	0.180	Type E	5.588	4.900	0.538	488791.913	97927.452
PS60	0.000	0.450	Type E	5.586	4.750	0.686	488789.237	97925.497
PS61	0.000	0.450	450	5.724	4.600	0.974	488789.626	97917.205
RE274A	0.000	0.180	Type E	5.468	4.925	0.443	488779.992	97895.218
PS585	0.000	0.450	450	5.482	4.750	0.632	488770.284	97908.801
RE271B	0.000	0.180	Type E	5.518	4.950	0.468	488790.166	97902.540
DF269	0.007	0.180	Type E	5.498	4.825	0.523	488776.318	97914.730
PS69	0.000	0.450	450	5.576	4.550	0.876	488780.167	97915.802
S59	0.155	1.350	Type C	5.486	3.850	1.336	488785.205	97914.231
GY285A	0.000	0.180	Type E	5.450	4.850	0.450	488814.018	97909.403
PS466	0.000	0.180	Type E	5.472	4.975	0.397	488811.660	97907.103
PS465	0.000	0.450	450	5.455	4.600	0.705	488812.288	97907.424
GY283A	0.000	0.180	Type E	5.373	4.750	0.473	488820.600	97900.165
ACO283	0.000	0.180	Type E	5.295	4.745	0.450	488819.496	97898.321
PS463	0.000	0.180	Type E	5.336	4.775	0.461	488817.989	97897.458
PS459	0.000	0.450	450	5.415	4.450	0.815	488817.596	97899.086
RE284A	0.000	0.180	Type E	5.499	5.025	0.374	488804.842	97902.934
PS460	0.000	0.450	450	5.489	4.350	0.989	488808.067	97892.990
RE272A	0.000	0.180	Type E	5.325	4.775	0.450	488784.278	97890.721
YG273	0.000	0.180	Type E	5.289	4.670	0.469	488791.499	97879.980
RWP273B	0.000	0.180	Type E	5.325	4.925	0.300	488791.001	97882.843
PS575	0.000	0.450	450	5.318	4.565	0.603	488790.884	97881.683
RE273A	0.000	0.180	Type E	5.444	4.875	0.469	488797.346	97893.508
PS576	0.000	0.450	450	5.380	4.450	0.780	488800.997	97888.816
S157	0.000	1.350	Type C	5.270	3.748	1.222	488803.535	97890.030
RWP278A	0.000	0.180	Type E	5.034	4.485	0.449	488817.041	97847.990
RE278	0.000	0.250	250	5.014	4.450	0.464	488816.119	97847.043
PS563	0.000	0.450	450	5.023	4.300	0.623	488809.337	97856.770
RWP278B	0.000	0.180	Type E	5.038	4.485	0.453	488824.681	97853.310
RE278B	0.000	0.180	Type E	5.082	4.450	0.532	488826.286	97854.159
DF277	0.011	0.180	Type E	5.050	4.350	0.550	488816.667	97863.512
PS70	0.000	0.450	Type E	5.127	4.100	0.877	488819.513	97863.776
DF282	0.008	0.180	Type E	5.162	4.500	0.512	488834.160	97879.360
PS65	0.000	0.450	Type E	5.262	4.250	0.862	488824.268	97872.004
S133	0.003	1.350	Type C	5.045	3.644	1.100	488822.165	97865.432
S60	0.007	1.350	Type C	4.958	3.604	1.054	488829.422	97855.862
RE279A	0.000	0.180	Type E	5.223	4.585	0.538	488855.553	97880.787
PS436	0.017	0.450	450	5.292	4.500	0.692	488860.094	97874.715
RE279B	0.000	0.180	Type E	5.086	4.500	0.486	488848.974	97876.906
GY281	0.000	0.180	Type E	5.158	4.550	0.458	488832.823	97866.548
PS439	0.000	0.450	450	5.212	4.250	0.812	488834.437	97865.665
PS437	0.000	0.450	450	5.153	4.150	0.853	488836.545	97857.043
S122	0.000	1.350	Type C	5.037	3.925	0.962	488860.828	97869.338

Manhole Schedule

Manhole	Catchment Area (ha)	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
S95	0.035	1.350	Type C	4.954	3.840	0.964	488852.018	97861.360
S96	0.000	1.350	Type C	4.926	3.575	1.051	488837.649	97853.115
S94	0.055	0.000	Type C	4.600	3.450	0.850	488838.780	97844.581
S160	0.000	1.350	Type C	4.750	3.350	1.025	488827.047	97829.500
S159	0.000	0.000	Type C	4.600	3.325	0.900	488833.084	97833.664
S62	0.000	0.000	Type C	4.600	3.300	1.000	488840.305	97837.135
S100	0.000	1.350	Type C	4.600	3.250	1.125	488842.753	97833.452
S63	0.000	0.000	Type C	4.270	3.150	0.895	488845.251	97829.972

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	RWP299A	5.150	RE299A	5.100	Circ	0.1mØ	0.792	15.8	0.600	0.450	0.488
1.001	RE299A	5.100	PS211	5.025	Circ	0.1mØ	5.492	73.2	0.600	0.488	0.565
2.000	ACO299	5.120	PS211	5.025	Circ	0.1mØ	1.424	15.0	0.600	0.452	0.565
3.000	RWP299B	5.150	PS211	5.025	Circ	0.1mØ	0.934	7.5	0.600	0.448	0.565
1.002	PS211	5.025	PS212	4.900	Circ	0.1mØ	11.777	94.2	0.600	0.565	0.751
4.000	RWP299C	5.150	PS212	4.900	Circ	0.1mØ	1.653	6.6	0.600	0.464	0.751
1.003	PS212	4.900	PS210	4.840	Circ	0.1mØ	4.838	80.6	0.600	0.751	0.861
5.000	ACO300	5.120	RE300A	5.100	Circ	0.1mØ	2.405	120.2	0.600	0.450	0.651
6.000	RWP300B	5.150	RE300A	5.100	Circ	0.1mØ	0.566	11.3	0.600	0.600	0.651
5.001	RE300A	5.100	PS209	4.950	Circ	0.1mØ	11.178	74.5	0.600	0.651	0.731
5.002	PS209	4.950	PS210	4.840	Circ	0.1mØ	6.985	63.5	0.600	0.731	0.861
7.000	RWP299D	5.150	PS210	4.840	Circ	0.1mØ	1.745	5.6	0.600	0.550	0.861
1.004	PS210	4.790	S64	4.700	Circ	0.15mØ	8.578	95.3	0.600	0.861	1.019
1.005	S64	4.625	S65	4.475	Circ	0.225mØ	17.446	116.3	0.600	1.019	1.326
8.000	ACO297	5.345	RE297A	5.300	Circ	0.1mØ	3.562	79.2	0.600	0.450	0.557
9.000	RWP297A	5.375	RE297A	5.300	Circ	0.1mØ	0.911	12.1	0.600	0.449	0.557
8.001	RE297A	5.300	PS216	5.175	Circ	0.1mØ	10.992	87.9	0.600	0.557	0.666
8.002	PS216	5.175	PS214	5.050	Circ	0.1mØ	10.800	86.4	0.600	0.666	0.807
10.000	ACO298	5.345	RE298A	5.300	Circ	0.1mØ	3.133	69.6	0.600	0.452	0.517
11.000	RWP298A	5.375	RE298A	5.300	Circ	0.1mØ	0.798	10.6	0.600	0.449	0.517
10.001	RE298A	5.300	PS214	5.050	Circ	0.1mØ	11.056	44.2	0.600	0.517	0.807
8.003	PS214	5.000	S65	4.550	Circ	0.15mØ	9.574	21.3	0.600	0.807	1.326
12.000	S123	4.950	S65	4.550	Circ	0.15mØ	24.253	60.6	0.600	0.643	1.326
1.006	S65	4.475	S125	4.368	Circ	0.225mØ	14.407	135.0	0.600	1.326	1.561
13.000	DF297	5.200	S125	4.443	Circ	0.15mØ	7.503	9.9	0.600	0.600	1.561
1.007	S125	4.368	S68	4.175	Circ	0.225mØ	26.106	135.0	0.600	1.561	1.687
14.000	RWP303A	5.650	PS351	5.625	Circ	0.1mØ	1.846	73.8	0.600	0.520	0.605
14.001	PS351	5.625	PS352	5.425	Circ	0.1mØ	18.944	94.7	0.600	0.605	0.794
14.002	PS352	5.425	PS354	5.300	Circ	0.1mØ	11.511	92.1	0.600	0.794	1.001
15.000	RE303A	5.650	PS354	5.300	Circ	0.1mØ	18.308	52.3	0.600	0.451	1.001
14.003	PS354	5.250	S97	4.903	Circ	0.15mØ	11.098	32.0	0.600	1.001	1.200
16.000	RE306A	5.650	PS378	5.400	Circ	0.1mØ	15.173	60.7	0.600	0.456	0.717
17.000	RWP306B	5.675	PS378	5.400	Circ	0.1mØ	1.563	5.7	0.600	0.450	0.717
16.001	PS378	5.400	PS39	5.200	Circ	0.1mØ	12.059	60.3	0.600	0.717	0.993
18.000	RE306B	5.650	PS39	5.200	Circ	0.1mØ	15.188	33.8	0.600	0.518	0.993
19.000	DF306	5.500	PS39	5.150	Circ	0.15mØ	12.952	37.0	0.600	0.517	0.993
20.000	RWP306A	5.675	PS39	5.150	Circ	0.1mØ	1.835	3.5	0.600	0.471	1.043
16.002	PS39	5.100	S97	4.903	Circ	0.15mØ	4.414	22.4	0.600	1.043	1.200
14.004	S97	4.903	S67	4.800	Circ	0.15mØ	14.130	137.4	0.600	1.200	1.238
21.000	RE292A	5.550	PS387	5.420	Circ	0.1mØ	9.665	74.3	0.600	0.487	0.637
22.000	DF293	5.500	PS387	5.370	Circ	0.15mØ	1.790	13.8	0.600	0.522	0.637
21.001	PS387	5.370	PS35	5.200	Circ	0.15mØ	12.008	70.6	0.600	0.637	0.908
21.002	PS35	5.200	PS36	5.120	Circ	0.15mØ	5.193	64.9	0.600	0.908	0.991
23.000	RE291A	5.450	PS386	5.300	Circ	0.1mØ	12.133	80.9	0.600	0.575	0.764
23.001	PS386	5.300	PS36	5.170	Circ	0.1mØ	10.120	77.8	0.600	0.764	0.991
21.003	PS36	5.120	S67	4.800	Circ	0.15mØ	4.058	12.7	0.600	0.991	1.238
24.000	S121	5.485	S67	4.800	Circ	0.15mØ	9.008	13.2	0.600	0.647	1.238
14.005	S67	4.800	S68	4.250	Circ	0.15mØ	22.014	40.0	0.600	1.238	1.687
1.008	S68	4.175	S66	4.105	Circ	0.225mØ	13.085	186.9	0.600	1.687	1.621
1.009	S66	4.105	S57	4.050	Circ	0.225mØ	11.803	214.6	0.600	1.621	1.554
25.000	RWP266A	5.550	RE266A	5.500	Circ	0.1mØ	0.744	14.9	0.600	0.449	0.455
25.001	RE266A	5.500	PS516	5.400	Circ	0.1mØ	5.854	58.5	0.600	0.455	0.575
25.002	PS516	5.400	PS850	5.300	Circ	0.1mØ	7.610	76.1	0.600	0.575	0.739

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)
26.000	RE266B	5.575	PS850	5.300	Circ	0.1mØ	9.416	34.2	0.600	0.454	0.739
27.000	ACO266A	5.570	PS850	5.300	Circ	0.1mØ	0.632	2.3	0.600	0.450	0.739
25.003	PS850	5.300	PS521	5.150	Circ	0.1mØ	2.330	15.5	0.600	0.739	0.889
28.000	GY267	5.450	PS521	5.100	Circ	0.15mØ	3.961	11.3	0.600	0.461	0.889
29.000	RWP266B	5.600	PS521	5.150	Circ	0.1mØ	2.112	4.7	0.600	0.450	0.889
30.000	PS523	5.600	PS521	5.150	Circ	0.1mØ	1.540	3.4	0.600	0.450	0.889
25.004	PS521	5.100	PS518	5.025	Circ	0.15mØ	10.556	140.7	0.600	0.889	1.014
31.000	RE266C	5.700	PS518	5.075	Circ	0.1mØ	12.700	20.3	0.600	0.424	1.014
25.005	PS518	5.025	S56	4.750	Circ	0.15mØ	4.875	17.7	0.600	1.014	1.200
25.006	S56	4.675	S57	4.050	Circ	0.225mØ	33.196	53.1	0.600	1.200	1.554
1.010	S57	3.975	S58	3.930	Circ	0.3mØ	13.385	297.5	0.600	1.554	1.442
32.000	RE288B	5.150	PS481	4.900	Circ	0.1mØ	14.633	58.5	0.600	0.436	0.712
32.001	PS481	4.900	PS58	4.750	Circ	0.1mØ	12.065	80.4	0.600	0.712	0.914
33.000	RE288A	5.225	PS58	4.750	Circ	0.1mØ	15.978	33.6	0.600	0.456	0.914
34.000	DF290	5.050	PS58	4.700	Circ	0.15mØ	2.577	7.4	0.600	0.516	0.914
32.002	PS58	4.700	S58	4.080	Circ	0.15mØ	8.841	14.3	0.600	0.914	1.442
35.000	PS851	5.375	RE268A	5.350	Circ	0.1mØ	0.892	35.7	0.600	0.452	0.486
35.001	RE268A	5.300	PS494	5.100	Circ	0.15mØ	5.242	26.2	0.600	0.486	0.706
36.000	RWP268G	5.375	PS494	5.150	Circ	0.1mØ	1.069	4.8	0.600	0.450	0.706
35.002	PS494	5.100	PS495	4.900	Circ	0.15mØ	6.994	35.0	0.600	0.706	0.841
35.003	PS495	4.900	PS496	4.800	Circ	0.15mØ	6.237	62.4	0.600	0.841	0.916
37.000	RWP268B	5.375	RE268B	5.350	Circ	0.1mØ	1.138	45.5	0.600	0.445	0.448
37.001	RE268B	5.350	PS492	4.950	Circ	0.1mØ	11.529	28.8	0.600	0.448	0.792
38.000	RWP268A	5.375	PS852	5.225	Circ	0.1mØ	2.191	14.6	0.600	0.451	0.600
39.000	GY268A	5.325	PS852	5.175	Circ	0.15mØ	1.615	10.8	0.600	0.445	0.600
40.000	RWP268D	5.375	PS852	5.225	Circ	0.1mØ	1.239	8.3	0.600	0.447	0.600
38.001	PS852	5.175	PS492	4.900	Circ	0.15mØ	10.241	37.2	0.600	0.600	0.792
37.002	PS492	4.900	PS496	4.800	Circ	0.15mØ	5.471	54.7	0.600	0.792	0.916
35.004	PS496	4.800	S58	4.730	Circ	0.15mØ	3.576	51.1	0.600	0.916	0.792
1.011	S58	3.930	S59	3.850	Circ	0.3mØ	24.429	305.4	0.600	1.442	1.336
41.000	RE287A	5.000	PS469	4.830	Circ	0.1mØ	11.382	67.0	0.600	0.451	0.603
42.000	RE285B	5.025	PS469	4.830	Circ	0.1mØ	10.509	53.9	0.600	0.423	0.603
41.001	PS469	4.830	PS63	4.700	Circ	0.1mØ	12.662	97.4	0.600	0.603	0.836
43.000	RE285A	5.000	PS63	4.700	Circ	0.1mØ	11.593	38.6	0.600	0.477	0.836
44.000	PS62(D)	4.725	PS63	4.650	Circ	0.15mØ	3.077	41.0	0.600	0.638	0.836
41.002	PS63	4.650	PS61	4.600	Circ	0.15mØ	5.767	115.3	0.600	0.836	0.974
45.000	DF287	4.900	PS60	4.750	Circ	0.15mØ	3.315	22.1	0.600	0.538	0.686
45.001	PS60	4.750	PS61	4.600	Circ	0.15mØ	8.301	55.3	0.600	0.686	0.974
41.003	PS61	4.600	S59	4.500	Circ	0.15mØ	5.328	53.3	0.600	0.974	0.836
46.000	RE274A	4.925	PS585	4.750	Circ	0.1mØ	16.696	95.4	0.600	0.443	0.632
46.001	PS585	4.750	PS69	4.600	Circ	0.1mØ	12.111	80.7	0.600	0.632	0.876
47.000	RE271B	4.950	PS69	4.600	Circ	0.1mØ	16.609	47.5	0.600	0.468	0.876
48.000	DF269	4.825	PS69	4.550	Circ	0.15mØ	3.995	14.5	0.600	0.523	0.876
46.002	PS69	4.550	S59	4.000	Circ	0.15mØ	5.277	9.6	0.600	0.876	1.336
1.012	S59	3.850	S157	3.748	Circ	0.3mØ	30.358	297.7	0.600	1.336	1.222
49.000	GY285A	4.850	PS465	4.600	Circ	0.15mØ	2.629	10.5	0.600	0.450	0.705
50.000	PS466	4.975	PS465	4.650	Circ	0.1mØ	0.705	2.2	0.600	0.397	0.705
49.001	PS465	4.600	PS459	4.450	Circ	0.15mØ	9.884	65.9	0.600	0.705	0.815
51.000	GY283A	4.750	PS459	4.450	Circ	0.15mØ	3.191	10.6	0.600	0.473	0.815
52.000	ACO283	4.745	PS459	4.500	Circ	0.1mØ	2.048	8.4	0.600	0.450	0.815
53.000	PS463	4.775	PS459	4.500	Circ	0.1mØ	1.675	6.1	0.600	0.461	0.815
49.002	PS459	4.450	PS460	4.350	Circ	0.15mØ	11.313	113.1	0.600	0.815	0.989
54.000	RE284A	5.025	PS460	4.900	Circ	0.1mØ	10.454	83.6	0.600	0.374	0.489
49.003	PS460	4.350	S157	3.898	Circ	0.15mØ	5.413	12.0	0.600	0.989	1.222
55.000	RE272A	4.775	PS575	4.615	Circ	0.1mØ	11.195	70.0	0.600	0.450	0.603
56.000	YG273	4.670	PS575	4.565	Circ	0.15mØ	1.811	17.2	0.600	0.469	0.603
57.000	RWP273B	4.925	PS575	4.615	Circ	0.1mØ	1.166	3.8	0.600	0.300	0.603
55.001	PS575	4.565	PS576	4.450	Circ	0.15mØ	12.375	107.6	0.600	0.603	0.780
58.000	RE273A	4.875	PS576	4.500	Circ	0.1mØ	5.945	15.9	0.600	0.469	0.780
55.002	PS576	4.450	S157	3.898	Circ	0.15mØ	2.813	5.1	0.600	0.780	1.222
1.013	S157	3.748	S133	3.644	Circ	0.3mØ	30.857	297.7	0.600	1.222	1.100
59.000	RWP278A	4.485	RE278	4.450	Circ	0.1mØ	1.322	37.8	0.600	0.449	0.464
59.001	RE278	4.450	PS563	4.300	Circ	0.1mØ	11.858	79.1	0.600	0.464	0.623
59.002	PS563	4.300	PS70	4.150	Circ	0.1mØ	12.355	82.4	0.600	0.623	0.877
60.000	RWP278B	4.485	RE278B	4.450	Circ	0.1mØ	1.816	51.9	0.600	0.453	0.532
60.001	RE278B	4.450	PS70	4.150	Circ	0.1mØ	11.762	39.2	0.600	0.532	0.877
61.000	DF277	4.350	PS70	4.100	Circ	0.15mØ	2.859	11.4	0.600	0.550	0.877
59.003	PS70	4.100	S133	3.794	Circ	0.15mØ	3.126	10.2	0.600	0.877	1.100

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)
62.000	DF282	4.500	PS65	4.250	Circ	0.15mØ	12.327	49.3	0.600	0.512	0.862
62.001	PS65	4.250	S133	3.794	Circ	0.15mØ	6.901	15.1	0.600	0.862	1.100
1.014	S133	3.644	S60	3.604	Circ	0.3mØ	12.010	297.3	0.600	1.100	1.054
1.015	S60	3.604	S96	3.575	Circ	0.3mØ	8.674	299.1	0.600	1.054	1.051
63.000	RE279A	4.585	PS436	4.500	Circ	0.1mØ	7.582	89.2	0.600	0.538	0.692
63.001	PS436	4.500	PS437	4.200	Circ	0.1mØ	29.442	98.1	0.600	0.692	0.853
64.000	RE279B	4.500	PS439	4.300	Circ	0.1mØ	18.376	91.9	0.600	0.486	0.812
65.000	GY281	4.550	PS439	4.250	Circ	0.15mØ	1.840	6.1	0.600	0.458	0.812
64.001	PS439	4.250	PS437	4.150	Circ	0.15mØ	8.876	88.8	0.600	0.812	0.853
63.002	PS437	4.150	S96	3.725	Circ	0.15mØ	4.080	9.6	0.600	0.853	1.051
66.000	S122	3.925	S95	3.840	Circ	0.15mØ	11.886	139.8	0.600	0.962	0.964
66.001	S95	3.840	S96	3.725	Circ	0.15mØ	16.567	144.1	0.600	0.964	1.051
1.016	S96	3.575	S94	3.450	Circ	0.3mØ	8.608	68.9	0.600	1.051	0.850
1.017	S94	3.450	S62	3.300	Circ	0.3mØ	7.601	50.7	0.600	0.850	1.000
67.000	S160	3.350	S159	3.325	Circ	0.375mØ	7.334	293.3	0.600	1.025	0.900
67.001	S159	3.325	S62	3.300	Circ	0.375mØ	8.012	320.5	0.600	0.900	0.925
1.018	S62	3.300	S100	3.250	Circ	0.3mØ	4.422	88.4	0.600	1.000	1.050
1.019	S100	3.250	S63	3.150	Circ	0.225mØ	4.283	42.8	0.600	1.125	0.895

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)
Permeable Paving16	S123	25.136	5.743	5.263	0.00000000	2.00	488743.198	98014.572
Permeable Paving17	DF297	8.954	5.950	5.470	0.00000000	2.00	488751.485	97997.833
Permeable Paving24	DF306	7.387	6.167	5.687	0.00000000	2.00	488791.443	97979.353
Permeable Paving25	DF293	7.320	6.172	5.692	0.00000000	2.00	488786.877	97973.528
Permeable Paving15	S121	12.210	6.282	5.802	0.00000000	2.00	488779.342	97990.258
Permeable Paving35	DF290	15.599	5.716	5.236	0.00000000	2.00	488778.501	97945.929
Permeable Paving37	PS62(D)	5.109	5.513	5.033	0.00000000	2.00	488795.267	97912.978
Permeable Paving36	DF287	8.902	5.588	5.108	0.00000000	2.00	488789.346	97927.603
Permeable Paving40	DF269	7.842	5.498	5.018	0.00000000	2.00	488776.439	97915.745
Permeable Paving41	DF277	11.978	5.050	4.570	0.00000000	2.00	488812.584	97863.770
Permeable Paving38	DF282	8.463	5.162	4.682	0.00000000	2.00	488825.318	97875.198

Outfall Details

Outfall Manhole S63 : Surcharged (Constant Level)

Surcharged Constant

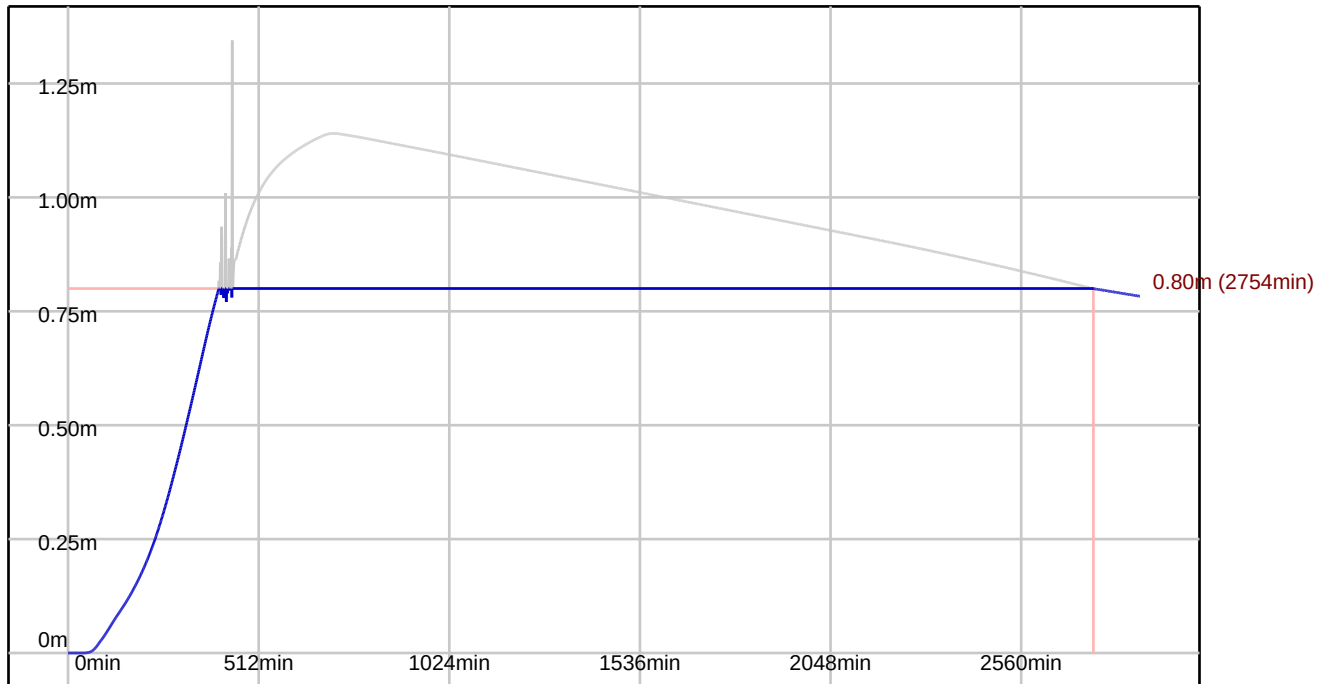
Water Elevation (m)	Water Depth (m)
3.700	0.550

Flow Control Details

Tank Structure at Manhole S160

Tank Invert (m)	Tank Height (m)	Porosity Ratio (%)	Area (m2)	Effective Area (m2) Area x Porosity Ratio	Max Storage (m3) Effective Area x Height	Infil Base (m/hr)	Infil Side (m/hr)	Safety Factor
3.350	0.800	95.00	269.074	255.620	204.496	0.00000000	0.00000000	2.00

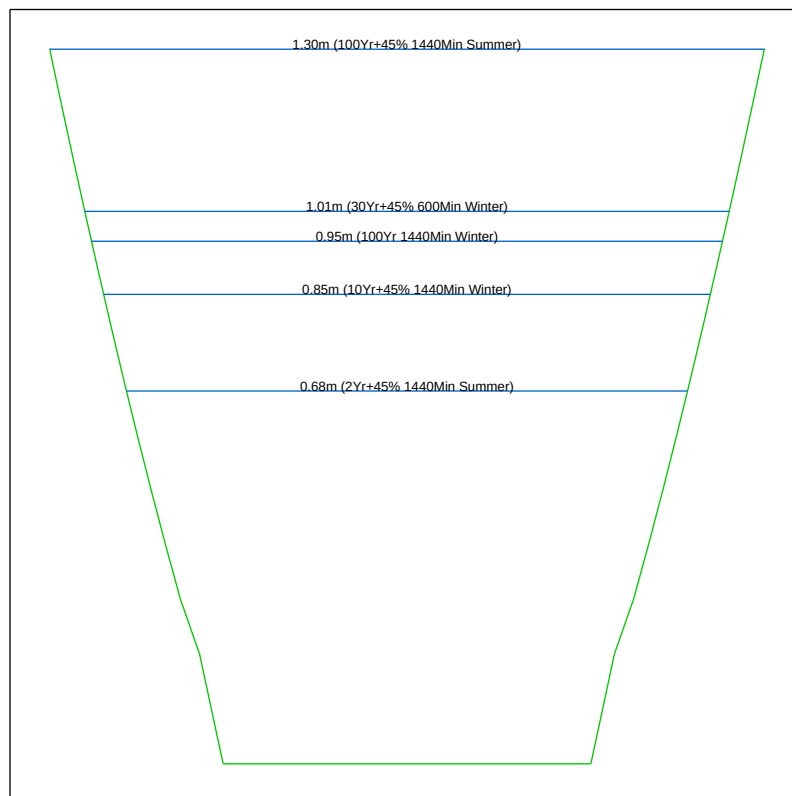
Tank at S160 (100Yr+45% 720Min Winter)



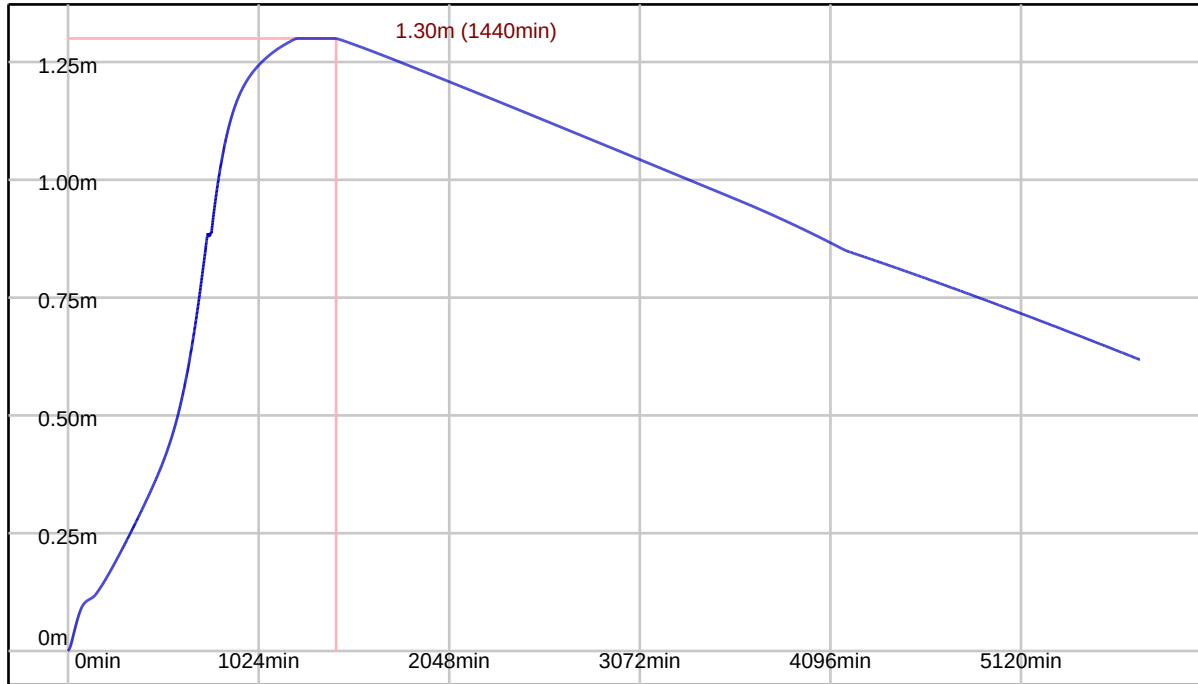
Pond Structure at Manhole S62

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
3.300	1.300	361.239	4.450	0.150	0.00000000	0.00000000	2.00

Pond Depth/Area Diagram at S62



Pond at S62 (100Yr+45% 1440Min Summer)

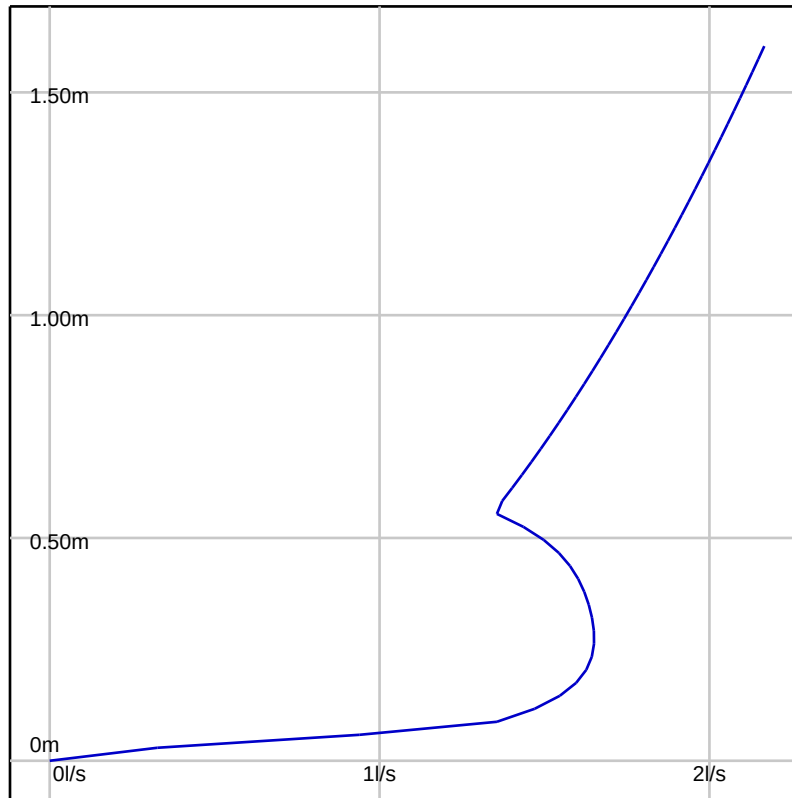


Controls within Manhole S100

Hydro-Brake® Optimum Control at Manhole S100

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-0063-2000-1350-2000	1.350	2.000	0.000	0.274	1.651	0.557	1.344

Hydro-Brake® Optimum Control at S100



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, +45%), (10, +45%), (30, +45%), (100, +0%), (100, +45%)

Simulated Rainfall Events

Storm	Average Intensity (mm/hr)	Runoff Continuity %	Flow Continuity %	Storm	Average Intensity (mm/hr)	Runoff Continuity %	Flow Continuity %
2Yr+45% 15Min Winter	47.734	0.00	0.18	30Yr+45% 360Min Summer	12.224	0.00	6.72
2Yr+45% 15Min Summer	47.734	0.00	0.17	30Yr+45% 360Min Winter	12.224	0.00	6.49
2Yr+45% 30Min Winter	31.030	0.00	0.20	30Yr+45% 480Min Summer	9.702	0.00	10.63
2Yr+45% 30Min Summer	31.030	0.00	0.20	30Yr+45% 480Min Winter	9.702	0.00	10.32
2Yr+45% 60Min Summer	19.285	0.00	0.21	30Yr+45% 600Min Summer	8.089	0.00	13.16
2Yr+45% 60Min Winter	19.285	0.00	0.23	30Yr+45% 600Min Winter	8.089	0.00	1.67
2Yr+45% 120Min Winter	12.930	0.00	-0.15	30Yr+45% 720Min Summer	6.961	0.00	14.86
2Yr+45% 120Min Summer	12.930	0.00	-0.21	30Yr+45% 720Min Winter	6.961	0.00	14.35
2Yr+45% 180Min Summer	10.105	0.00	-0.07	30Yr+45% 960Min Summer	5.492	0.00	10.33
2Yr+45% 180Min Winter	10.105	0.00	-0.04	30Yr+45% 960Min Winter	5.492	0.00	10.58
2Yr+45% 240Min Winter	8.254	0.00	0.02	30Yr+45% 1440Min Summer	3.953	0.00	12.15
2Yr+45% 240Min Summer	8.254	0.00	0.02	30Yr+45% 1440Min Winter	3.953	0.00	13.16
2Yr+45% 360Min Summer	6.188	0.00	0.05	100Yr 15Min Summer	100.880	0.00	-0.09
2Yr+45% 360Min Winter	6.188	0.00	-0.01	100Yr 15Min Winter	100.880	0.00	-0.08
2Yr+45% 480Min Summer	5.020	0.00	0.05	100Yr 30Min Summer	66.884	0.00	0.03
2Yr+45% 480Min Winter	5.020	0.00	-0.04	100Yr 30Min Winter	66.884	0.00	0.04
2Yr+45% 600Min Summer	4.237	0.00	0.03	100Yr 60Min Summer	42.434	0.00	0.06
2Yr+45% 600Min Winter	4.237	0.00	-0.11	100Yr 60Min Winter	42.434	0.00	0.09
2Yr+45% 720Min Winter	3.677	0.00	-0.17	100Yr 120Min Summer	24.790	0.00	0.11
2Yr+45% 720Min Summer	3.677	0.00	0.01	100Yr 120Min Winter	24.790	0.00	0.13
2Yr+45% 960Min Summer	2.945	0.00	-0.17	100Yr 180Min Summer	17.968	0.00	0.16
2Yr+45% 960Min Winter	2.945	0.00	-0.22	100Yr 180Min Winter	17.968	0.00	0.16
2Yr+45% 1440Min Summer	2.154	0.00	-0.14	100Yr 240Min Summer	14.430	0.00	0.18
2Yr+45% 1440Min Winter	2.154	0.00	-0.07	100Yr 240Min Winter	14.430	0.00	0.19
10Yr+45% 15Min Summer	90.144	0.00	0.00	100Yr 360Min Summer	10.466	0.00	0.23
10Yr+45% 15Min Winter	90.144	0.00	0.03	100Yr 360Min Winter	10.466	0.00	0.23
10Yr+45% 30Min Summer	58.702	0.00	0.03	100Yr 480Min Summer	8.295	0.00	0.27
10Yr+45% 30Min Winter	58.702	0.00	0.07	100Yr 480Min Winter	8.295	0.00	0.24
10Yr+45% 60Min Summer	36.665	0.00	0.09	100Yr 600Min Summer	6.919	0.00	1.59
10Yr+45% 60Min Winter	36.665	0.00	0.11	100Yr 600Min Winter	6.919	0.00	1.16
10Yr+45% 120Min Summer	22.521	0.00	0.11	100Yr 720Min Summer	5.959	0.00	3.82
10Yr+45% 120Min Winter	22.521	0.00	0.13	100Yr 720Min Winter	5.959	0.00	3.28
10Yr+45% 180Min Summer	16.756	0.00	0.14	100Yr 960Min Summer	4.708	0.00	6.91
10Yr+45% 180Min Winter	16.756	0.00	0.14	100Yr 960Min Winter	4.708	0.00	6.28
10Yr+45% 240Min Summer	13.465	0.00	0.16	100Yr 1440Min Summer	3.395	0.00	10.42
10Yr+45% 240Min Winter	13.465	0.00	0.17	100Yr 1440Min Winter	3.395	0.00	3.23
10Yr+45% 360Min Summer	9.827	0.00	0.20	100Yr+45% 15Min Summer	146.276	0.00	0.06
10Yr+45% 360Min Winter	9.827	0.00	0.19	100Yr+45% 15Min Winter	146.276	0.00	0.04
10Yr+45% 480Min Winter	7.833	0.00	0.19	100Yr+45% 30Min Summer	96.982	0.00	0.06
10Yr+45% 480Min Summer	7.833	0.00	0.23	100Yr+45% 30Min Winter	96.982	0.00	0.05
10Yr+45% 600Min Summer	6.549	0.00	0.17	100Yr+45% 60Min Summer	61.530	0.00	0.14
10Yr+45% 600Min Winter	6.549	0.00	0.10	100Yr+45% 60Min Winter	61.530	0.00	0.14
10Yr+45% 720Min Summer	5.645	0.00	0.08	100Yr+45% 120Min Summer	35.946	0.00	5.27
10Yr+45% 720Min Winter	5.645	0.00	0.03	100Yr+45% 120Min Winter	35.946	0.00	5.35
10Yr+45% 960Min Summer	4.467	0.00	3.12	100Yr+45% 180Min Summer	26.053	0.00	11.57
10Yr+45% 960Min Winter	4.467	0.00	2.41	100Yr+45% 180Min Winter	26.053	0.00	11.29
10Yr+45% 1440Min Summer	3.223	0.00	6.85	100Yr+45% 240Min Summer	20.923	0.00	9.29
10Yr+45% 1440Min Winter	3.223	0.00	6.18	100Yr+45% 240Min Winter	20.923	0.00	3.89
30Yr+45% 15Min Summer	116.894	0.00	0.03	100Yr+45% 360Min Summer	15.176	0.00	21.91
30Yr+45% 15Min Winter	116.894	0.00	0.03	100Yr+45% 360Min Winter	15.176	0.00	3.55
30Yr+45% 30Min Summer	76.716	0.00	0.04	100Yr+45% 480Min Summer	12.028	0.00	0.90
30Yr+45% 30Min Winter	76.716	0.00	0.04	100Yr+45% 480Min Winter	12.028	0.00	12.56
30Yr+45% 60Min Summer	48.209	0.00	0.04	100Yr+45% 600Min Summer	10.033	0.00	10.23
30Yr+45% 60Min Winter	48.209	0.00	0.07	100Yr+45% 600Min Winter	10.033	0.00	9.82
30Yr+45% 120Min Summer	28.721	0.00	0.14	100Yr+45% 720Min Summer	8.641	0.00	14.64

Simulated Rainfall Events

Storm	Average Intensity (mm/hr)	Runoff Continuity %	Flow Continuity %	Storm	Average Intensity (mm/hr)	Runoff Continuity %	Flow Continuity %
30Yr+45% 120Min Winter	28.721	0.00	0.16	100Yr+45% 720Min Winter	8.641	0.00	6.91
30Yr+45% 180Min Summer	21.032	0.00	0.20	100Yr+45% 960Min Summer	6.827	0.00	29.66
30Yr+45% 180Min Winter	21.032	0.00	0.22	100Yr+45% 960Min Winter	6.827	0.00	10.91
30Yr+45% 240Min Summer	16.846	0.00	0.28	100Yr+45% 1440Min Winter	4.922	0.00	22.23
30Yr+45% 240Min Winter	16.846	0.00	0.27	100Yr+45% 1440Min Summer	4.922	0.00	4.15

Simulation Results

Return Period Yrs: 2.0

Climate Change %: 45

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RWP299A	-	0	5.150	0.000	0.000		OK
RE299A	-	0	5.100	0.000	0.000		OK
ACO299	-	0	5.120	0.000	0.000		OK
RWP299B	-	0	5.150	0.000	0.000		OK
PS211	-	0	5.025	0.000	0.000		OK
RWP299C	-	0	5.150	0.000	0.000		OK
PS212	-	0	4.900	0.000	0.000		OK
ACO300	-	0	5.120	0.000	0.000		OK
RWP300B	-	0	5.150	0.000	0.000		OK
RE300A	-	0	5.100	0.000	0.000		OK
PS209	-	0	4.950	0.000	0.000		OK
RWP299D	-	0	5.150	0.000	0.000		OK
PS210	15 min Summer	8	4.832	0.042	3.174		OK
S64	15 min Summer	8	4.680	0.055	6.404		OK
ACO297	-	0	5.345	0.000	0.000		OK
RWP297A	-	0	5.375	0.000	0.000		OK
RE297A	-	0	5.300	0.000	0.000		OK
PS216	-	0	5.175	0.000	0.000		OK
ACO298	-	0	5.345	0.000	0.000		OK
RWP298A	-	0	5.375	0.000	0.000		OK
RE298A	-	0	5.300	0.000	0.000		OK
PS214	15 min Summer	8	5.027	0.027	2.699		OK
S123	180 min Summer	105	4.976	0.026	1.455		OK
S65	15 min Summer	8	4.561	0.086	14.298		OK
DF297	120 min Summer	68	5.212	0.012	0.794		OK
S125	15 min Summer	11	4.553	0.185	7.555		OK
RWP303A	15 min Summer	8	5.667	0.017	0.026		OK
PS351	15 min Summer	8	5.667	0.042	2.370		OK
PS352	15 min Summer	9	5.467	0.042	2.312		OK
RE303A	15 min Summer	8	5.689	0.039	2.673		OK
PS354	15 min Summer	9	5.290	0.040	4.922		OK
RE306A	15 min Summer	8	5.701	0.051	3.997		OK
RWP306B	-	0	5.675	0.000	0.000		OK
PS378	15 min Summer	8	5.450	0.050	3.971		OK
RE306B	-	0	5.650	0.000	0.000		OK
DF306	60 min Summer	37	5.516	0.016	0.700		OK
RWP306A	-	0	5.675	0.000	0.000		OK
PS39	15 min Summer	9	5.133	0.033	3.902		OK
S97	15 min Summer	9	4.985	0.082	8.846		OK
RE292A	-	0	5.550	0.000	0.000		OK
DF293	60 min Summer	37	5.513	0.013	0.697		OK
PS387	60 min Summer	38	5.389	0.019	0.694		OK
PS35	60 min Summer	38	5.219	0.019	0.696		OK
RE291A	-	0	5.450	0.000	0.000		OK
PS386	-	0	5.300	0.000	0.000		OK
PS36	60 min Summer	38	5.132	0.012	0.696		OK
S121	120 min Summer	70	5.500	0.015	0.969		OK
S67	15 min Summer	9	4.908	0.108	23.614		OK
S68	15 min Summer	11	4.542	0.367	27.606		Surcharged
S66	15 min Summer	10	4.501	0.396	32.869		Surcharged
RWP266A	-	0	5.550	0.000	0.000		OK
RE266A	15 min Summer	8	5.524	0.024	1.037		OK
PS516	15 min Summer	8	5.427	0.027	1.026		OK
RE266B	-	0	5.575	0.000	0.000		OK
ACO266A	-	0	5.570	0.000	0.000		OK
PS850	15 min Summer	9	5.317	0.017	1.014		OK
GY267	-	0	5.450	0.000	0.000		OK
RWP266B	-	0	5.600	0.000	0.000		OK
PS523	-	0	5.600	0.000	0.000		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
PS521	15 min Summer	9	5.128	0.028	1.020		OK
RE266C	-	0	5.700	0.000	0.000		OK
PS518	15 min Summer	9	5.041	0.016	1.024		OK
S56	15 min Summer	8	4.765	0.090	24.624		OK
S57	15 min Summer	10	4.455	0.480	53.729		Surcharged
RE288B	-	0	5.150	0.000	0.000		OK
PS481	-	0	4.900	0.000	0.000		OK
RE288A	-	0	5.225	0.000	0.000		OK
DF290	120 min Summer	71	5.064	0.014	1.121		OK
PS58	120 min Summer	71	4.716	0.016	1.121		OK
PS851	-	0	5.375	0.000	0.000		OK
RE268A	-	0	5.300	0.000	0.000		OK
RWP268G	-	0	5.375	0.000	0.000		OK
PS494	-	0	5.100	0.000	0.000		OK
PS495	-	0	4.900	0.000	0.000		OK
RWP268B	-	0	5.375	0.000	0.000		OK
RE268B	15 min Summer	8	5.365	0.015	0.577		OK
RWP268A	-	0	5.375	0.000	0.000		OK
GY268A	-	0	5.325	0.000	0.000		OK
RWP268D	-	0	5.375	0.000	0.000		OK
PS852	-	0	5.175	0.000	0.000		OK
PS492	15 min Summer	8	4.916	0.016	0.571		OK
PS496	15 min Summer	9	4.816	0.016	0.566		OK
S58	15 min Summer	10	4.426	0.496	61.500		Surcharged
RE287A	-	0	5.000	0.000	0.000		OK
RE285B	-	0	5.025	0.000	0.000		OK
PS469	-	0	4.830	0.000	0.000		OK
RE285A	-	0	5.000	0.000	0.000		OK
PS62(D)	30 min Summer	22	4.740	0.015	0.585		OK
PS63	30 min Summer	22	4.669	0.019	0.585		OK
DF287	120 min Summer	68	4.915	0.015	0.791		OK
PS60	120 min Summer	69	4.769	0.019	0.789		OK
PS61	60 min Summer	38	4.624	0.024	1.328		OK
RE274A	-	0	4.925	0.000	0.000		OK
PS585	-	0	4.750	0.000	0.000		OK
RE271B	-	0	4.950	0.000	0.000		OK
DF269	120 min Summer	68	4.838	0.013	0.725		OK
PS69	120 min Summer	68	4.562	0.012	0.725		OK
S59	15 min Summer	10	4.357	0.507	95.475		Surcharged
GY285A	-	0	4.850	0.000	0.000		OK
PS466	-	0	4.975	0.000	0.000		OK
PS465	-	0	4.600	0.000	0.000		OK
GY283A	-	0	4.750	0.000	0.000		OK
ACO283	-	0	4.745	0.000	0.000		OK
PS463	-	0	4.775	0.000	0.000		OK
PS459	-	0	4.450	0.000	0.000		OK
RE284A	-	0	5.025	0.000	0.000		OK
PS460	-	0	4.350	0.000	0.000		OK
RE272A	-	0	4.775	0.000	0.000		OK
YG273	-	0	4.670	0.000	0.000		OK
RWP273B	-	0	4.925	0.000	0.000		OK
PS575	-	0	4.565	0.000	0.000		OK
RE273A	-	0	4.875	0.000	0.000		OK
PS576	-	0	4.450	0.000	0.000		OK
S157	15 min Summer	10	4.148	0.400	95.232		Surcharged
RWP278A	-	0	4.485	0.000	0.000		OK
RE278	-	0	4.450	0.000	0.000		OK
PS563	-	0	4.300	0.000	0.000		OK
RWP278B	-	0	4.485	0.000	0.000		OK
RE278B	-	0	4.450	0.000	0.000		OK
DF277	120 min Summer	70	4.364	0.014	0.958		OK
PS70	120 min Summer	70	4.114	0.014	0.958		OK
DF282	120 min Summer	68	4.519	0.019	0.764		OK
PS65	120 min Summer	68	4.263	0.013	0.764		OK
S133	1440 min Summer	1246	3.978	0.334	1.361		Surcharged
S60	1440 min Summer	1235	3.978	0.374	1.402		Surcharged
RE279A	-	0	4.585	0.000	0.000		OK
PS436	15 min Summer	8	4.565	0.065	4.779		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RE279B	-	0	4.500	0.000	0.000		OK
GY281	-	0	4.550	0.000	0.000		OK
PS439	-	0	4.250	0.000	0.000		OK
PS437	15 min Summer	9	4.179	0.029	4.663		OK
S122	1440 min Summer	1243	3.978	0.053	0.000		OK
S95	1440 min Summer	1226	3.978	0.138	0.100		OK
S96	1440 min Summer	1235	3.978	0.403	1.531		Surcharged
S94	1440 min Summer	1235	3.978	0.528	1.661		Surcharged
S160	1440 min Summer	1235	3.978	0.628	0.000		Surcharged
S159	1440 min Summer	1236	3.978	0.653	0.003		Surcharged
S62	1440 min Summer	1236	3.978	0.678	1.639		Surcharged
S100	1440 min Summer	1236	3.978	0.728	1.650		Surcharged
S63	15 min Winter	0	3.700	0.550	1.639		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	RWP299A	RE299A	0.000	0.000	0.000	0.000	OK
1.001	15 min Winter	0	RE299A	PS211	0.000	0.000	0.000	0.000	OK
2.000	15 min Winter	0	ACO299	PS211	0.000	0.000	0.000	0.000	OK
3.000	15 min Winter	0	RWP299B	PS211	0.000	0.000	0.000	0.000	OK
1.002	15 min Winter	0	PS211	PS212	0.000	0.000	0.000	0.000	OK
4.000	15 min Winter	0	RWP299C	PS212	0.000	0.000	0.000	0.000	OK
1.003	15 min Winter	0	PS212	PS210	0.000	0.000	0.000	0.000	OK
5.000	15 min Winter	0	ACO300	RE300A	0.000	0.000	0.000	0.000	OK
6.000	15 min Winter	0	RWP300B	RE300A	0.000	0.000	0.000	0.000	OK
5.001	15 min Winter	0	RE300A	PS209	0.000	0.000	0.000	0.000	OK
5.002	15 min Winter	0	PS209	PS210	0.000	0.000	0.000	0.000	OK
7.000	15 min Winter	0	RWP299D	PS210	0.000	0.000	0.000	0.000	OK
1.004	15 min Summer	8	PS210	S64	0.042	0.777	3.154	0.174	OK
1.005	15 min Summer	8	S64	S65	0.070	0.596	6.338	0.132	OK
8.000	15 min Winter	0	ACO297	RE297A	0.000	0.000	0.000	0.000	OK
9.000	15 min Winter	0	RWP297A	RE297A	0.000	0.000	0.000	0.000	OK
8.001	15 min Winter	0	RE297A	PS216	0.000	0.000	0.000	0.000	OK
8.002	15 min Winter	0	PS216	PS214	0.000	0.000	0.000	0.000	OK
10.000	15 min Winter	0	ACO298	RE298A	0.000	0.000	0.000	0.000	OK
11.000	15 min Winter	0	RWP298A	RE298A	0.000	0.000	0.000	0.000	OK
10.001	15 min Winter	0	RE298A	PS214	0.000	0.000	0.000	0.000	OK
8.003	15 min Summer	8	PS214	S65	0.027	1.263	2.687	0.069	OK
12.000	180 min Summer	105	S123	S65	0.026	0.729	1.454	0.064	OK
1.006	15 min Summer	10	S65	S125	0.132	1.017	14.086	0.316	OK
13.000	15 min Summer	15	DF297	S125	0.058	1.023	0.551	0.010	OK
1.007	15 min Summer	12	S125	S68	0.205	0.569	15.571	0.349	OK
14.000	15 min Summer	11	RWP303A	PS351	0.030	0.082	0.092	0.013	OK
14.001	15 min Summer	9	PS351	PS352	0.042	0.747	2.316	0.374	OK
14.002	15 min Summer	9	PS352	PS354	0.042	0.746	2.333	0.371	OK
15.000	15 min Summer	8	RE303A	PS354	0.039	0.948	2.645	0.316	OK
14.003	15 min Summer	9	PS354	S97	0.061	0.741	4.932	0.156	OK
16.000	15 min Summer	8	RE306A	PS378	0.050	1.002	3.971	0.511	OK
17.000	15 min Summer	8	RWP306B	PS378	0.025	0.000	0.000	0.000	OK
16.001	15 min Summer	8	PS378	PS39	0.050	0.998	3.924	0.504	OK
18.000	15 min Winter	0	RE306B	PS39	0.000	0.000	0.000	0.000	OK
19.000	60 min Summer	38	DF306	PS39	0.016	0.696	0.698	0.024	OK
20.000	15 min Winter	0	RWP306A	PS39	0.000	0.000	0.000	0.000	OK
16.002	15 min Summer	9	PS39	S97	0.057	0.696	3.915	0.104	OK
14.004	15 min Summer	9	S97	S67	0.095	0.753	8.867	0.588	OK
21.000	15 min Winter	0	RE292A	PS387	0.000	0.000	0.000	0.000	OK
22.000	60 min Summer	38	DF293	PS387	0.016	0.717	0.696	0.014	OK
21.001	60 min Summer	38	PS387	PS35	0.019	0.543	0.696	0.033	OK
21.002	60 min Summer	38	PS35	PS36	0.016	0.706	0.696	0.032	OK
23.000	15 min Winter	0	RE291A	PS386	0.000	0.000	0.000	0.000	OK
23.001	15 min Winter	0	PS386	PS36	0.000	0.000	0.000	0.000	OK
21.003	15 min Summer	15	PS36	S67	0.054	0.349	0.515	0.010	OK
24.000	15 min Summer	16	S121	S67	0.054	0.428	0.599	0.012	OK
14.005	15 min Summer	9	S67	S68	0.129	1.725	23.335	0.828	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
1.008	15 min Summer	12	S68	S66	0.225	0.957	32.367	0.856	OK
1.009	15 min Summer	12	S66	S57	0.225	1.087	37.441	1.062	OK
25.000	15 min Summer	8	RWP266A	RE266A	0.012	0.000	0.000	0.000	OK
25.001	15 min Summer	8	RE266A	PS516	0.026	0.645	1.026	0.130	OK
25.002	15 min Summer	9	PS516	PS850	0.022	0.783	1.014	0.147	OK
26.000	15 min Summer	9	RE266B	PS850	0.009	0.000	0.000	0.000	OK
27.000	15 min Summer	9	ACO266A	PS850	0.009	0.000	0.000	0.000	OK
25.003	15 min Summer	9	PS850	PS521	0.017	1.114	1.020	0.066	OK
28.000	15 min Summer	9	GY267	PS521	0.014	0.000	0.000	0.000	OK
29.000	15 min Winter	0	RWP266B	PS521	0.000	0.000	0.000	0.000	OK
30.000	15 min Winter	0	PS523	PS521	0.000	0.000	0.000	0.000	OK
25.004	15 min Summer	9	PS521	PS518	0.022	0.641	1.024	0.069	OK
31.000	15 min Winter	0	RE266C	PS518	0.000	0.000	0.000	0.000	OK
25.005	15 min Summer	9	PS518	S56	0.016	1.010	1.024	0.024	OK
25.006	15 min Summer	8	S56	S57	0.157	1.368	24.425	0.342	OK
1.010	15 min Summer	11	S57	S58	0.300	0.829	55.317	0.865	Surcharged
32.000	15 min Winter	0	RE288B	PS481	0.000	0.000	0.000	0.000	OK
32.001	15 min Winter	0	PS481	PS58	0.000	0.000	0.000	0.000	OK
33.000	15 min Winter	0	RE288A	PS58	0.000	0.000	0.000	0.000	OK
34.000	120 min Summer	71	DF290	PS58	0.015	1.252	1.121	0.017	OK
32.002	30 min Summer	23	PS58	S58	0.081	1.037	0.859	0.018	OK
35.000	15 min Winter	0	PS851	RE268A	0.000	0.000	0.000	0.000	OK
35.001	15 min Winter	0	RE268A	PS494	0.000	0.000	0.000	0.000	OK
36.000	15 min Winter	0	RWP268G	PS494	0.000	0.000	0.000	0.000	OK
35.002	15 min Winter	0	PS494	PS495	0.000	0.000	0.000	0.000	OK
35.003	15 min Summer	9	PS495	PS496	0.008	0.000	0.000	0.000	OK
37.000	15 min Summer	8	RWP268B	RE268B	0.008	0.000	0.000	0.000	OK
37.001	15 min Summer	8	RE268B	PS492	0.015	0.754	0.571	0.050	OK
38.000	15 min Winter	0	RWP268A	PS852	0.000	0.000	0.000	0.000	OK
39.000	15 min Winter	0	GY268A	PS852	0.000	0.000	0.000	0.000	OK
40.000	15 min Winter	0	RWP268D	PS852	0.000	0.000	0.000	0.000	OK
38.001	15 min Summer	8	PS852	PS492	0.008	0.000	0.000	0.000	OK
37.002	15 min Summer	9	PS492	PS496	0.016	0.576	0.566	0.024	OK
35.004	15 min Summer	9	PS496	S58	0.016	0.586	0.569	0.023	OK
1.011	15 min Summer	11	S58	S59	0.300	0.918	64.873	1.028	Surcharged
41.000	15 min Winter	0	RE287A	PS469	0.000	0.000	0.000	0.000	OK
42.000	15 min Winter	0	RE285B	PS469	0.000	0.000	0.000	0.000	OK
41.001	15 min Winter	0	PS469	PS63	0.000	0.000	0.000	0.000	OK
43.000	15 min Winter	0	RE285A	PS63	0.000	0.000	0.000	0.000	OK
44.000	30 min Summer	22	PS62(D)	PS63	0.017	0.557	0.585	0.021	OK
41.002	60 min Summer	37	PS63	PS61	0.021	0.374	0.569	0.034	OK
45.000	120 min Summer	68	DF287	PS60	0.017	0.729	0.790	0.021	OK
45.001	120 min Summer	69	PS60	PS61	0.021	0.525	0.790	0.033	OK
41.003	60 min Summer	38	PS61	S59	0.024	0.743	1.330	0.055	OK
46.000	15 min Winter	0	RE274A	PS585	0.000	0.000	0.000	0.000	OK
46.001	15 min Winter	0	PS585	PS69	0.000	0.000	0.000	0.000	OK
47.000	15 min Winter	0	RE271B	PS69	0.000	0.000	0.000	0.000	OK
48.000	120 min Summer	68	DF269	PS69	0.012	1.032	0.725	0.015	OK
46.002	60 min Summer	38	PS69	S59	0.080	1.110	0.722	0.012	OK
1.012	15 min Summer	10	S59	S157	0.300	1.347	95.232	1.490	Surcharged
49.000	15 min Winter	0	GY285A	PS465	0.000	0.000	0.000	0.000	OK
50.000	15 min Winter	0	PS466	PS465	0.000	0.000	0.000	0.000	OK
49.001	15 min Winter	0	PS465	PS459	0.000	0.000	0.000	0.000	OK
51.000	15 min Winter	0	GY283A	PS459	0.000	0.000	0.000	0.000	OK
52.000	15 min Winter	0	ACO283	PS459	0.000	0.000	0.000	0.000	OK
53.000	15 min Winter	0	PS463	PS459	0.000	0.000	0.000	0.000	OK
49.002	15 min Winter	0	PS459	PS460	0.000	0.000	0.000	0.000	OK
54.000	15 min Winter	0	RE284A	PS460	0.000	0.000	0.000	0.000	OK
49.003	15 min Winter	8	PS460	S157	0.075	0.000	0.000	0.000	OK
55.000	15 min Winter	0	RE272A	PS575	0.000	0.000	0.000	0.000	OK
56.000	15 min Winter	0	YG273	PS575	0.000	0.000	0.000	0.000	OK
57.000	15 min Winter	0	RWP273B	PS575	0.000	0.000	0.000	0.000	OK
55.001	15 min Winter	0	PS575	PS576	0.000	0.000	0.000	0.000	OK
58.000	15 min Winter	0	RE273A	PS576	0.000	0.000	0.000	0.000	OK
55.002	15 min Winter	8	PS576	S157	0.075	0.000	0.000	0.000	OK
1.013	15 min Summer	10	S157	S133	0.299	1.322	93.400	1.461	OK
59.000	15 min Winter	0	RWP278A	RE278	0.000	0.000	0.000	0.000	OK
59.001	15 min Winter	0	RE278	PS563	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
59.002	15 min Winter	0	PS563	PS70	0.000	0.000	0.000	0.000	OK
60.000	15 min Winter	0	RWP278B	RE278B	0.000	0.000	0.000	0.000	OK
60.001	15 min Winter	0	RE278B	PS70	0.000	0.000	0.000	0.000	OK
61.000	120 min Summer	70	DF277	PS70	0.014	1.171	0.958	0.018	OK
59.003	1440 min Summer	891	PS70	S133	0.077	0.795	0.259	0.005	OK
62.000	120 min Summer	68	DF282	PS65	0.016	0.751	0.764	0.030	OK
62.001	1440 min Summer	891	PS65	S133	0.077	0.628	0.185	0.004	OK
1.014	1440 min Winter	959	S133	S60	0.300	0.598	8.402	0.131	Surcharged
1.015	720 min Summer	602	S60	S96	0.300	1.092	23.515	0.369	Surcharged
63.000	15 min Summer	8	RE279A	PS436	0.033	0.000	0.000	0.000	OK
63.001	15 min Summer	9	PS436	PS437	0.065	0.862	4.663	0.766	OK
64.000	15 min Winter	0	RE279B	PS439	0.000	0.000	0.000	0.000	OK
65.000	15 min Winter	0	GY281	PS439	0.000	0.000	0.000	0.000	OK
64.001	15 min Summer	9	PS439	PS437	0.014	0.000	0.000	0.000	OK
63.002	1440 min Summer	785	PS437	S96	0.079	0.880	0.397	0.007	OK
66.000	1440 min Summer	1521	S122	S95	0.096	0.016	0.119	0.008	OK
66.001	1440 min Summer	1226	S95	S96	0.144	0.436	0.817	0.055	OK
1.016	600 min Summer	460	S96	S94	0.300	1.420	41.883	0.313	Surcharged
1.017	120 min Summer	100	S94	S62	0.300	1.718	79.176	0.506	Surcharged
67.000	600 min Winter	1112	S160	S159	0.375	0.030	3.262	0.028	Surcharged
67.001	720 min Summer	810	S159	S62	0.375	0.034	3.707	0.033	Surcharged
1.018	240 min Summer	156	S62	S100	0.300	0.060	4.220	0.036	Surcharged
1.019	1440 min Summer	1525	S100	S63	0.225	0.042	1.650	0.021	OK

Permeable Paving Storage

Permeable Paving	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
Permeable Paving16	180 min Summer	105	5.298	0.035	1.441		OK
Permeable Paving17	120 min Summer	68	5.494	0.023	0.803		OK
Permeable Paving24	60 min Summer	37	5.708	0.022	0.723		OK
Permeable Paving25	60 min Summer	37	5.713	0.021	0.716		OK
Permeable Paving15	120 min Summer	70	5.828	0.027	0.952		OK
Permeable Paving35	120 min Summer	71	5.266	0.029	1.092		OK
Permeable Paving37	30 min Summer	22	5.052	0.019	0.452		OK
Permeable Paving36	120 min Summer	68	5.131	0.023	0.798		OK
Permeable Paving40	120 min Summer	68	5.040	0.022	0.703		OK
Permeable Paving41	120 min Summer	70	4.597	0.027	0.934		OK
Permeable Paving38	120 min Summer	68	4.705	0.023	0.758		OK

Return Period Yrs: 10.0

Climate Change %: 45

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RWP299A	-	0	5.150	0.000	0.000		OK
RE299A	15 min Summer	13	5.107	0.007	0.000		OK
ACO299	-	0	5.120	0.000	0.000		OK
RWP299B	-	0	5.150	0.000	0.000		OK
PS211	15 min Summer	12	5.105	0.080	0.548		OK
RWP299C	-	0	5.150	0.000	0.000		OK
PS212	15 min Summer	12	5.107	0.207	0.872		Surcharged
ACO300	-	0	5.120	0.000	0.000		OK
RWP300B	-	0	5.150	0.000	0.000		OK
RE300A	15 min Summer	13	5.106	0.006	0.000		OK
PS209	15 min Summer	12	5.109	0.159	0.355		Surcharged
RWP299D	-	0	5.150	0.000	0.000		OK
PS210	15 min Summer	12	5.104	0.314	1.753		Surcharged
S64	15 min Summer	12	5.098	0.473	2.540		Surcharged
ACO297	-	0	5.345	0.000	0.000		OK
RWP297A	-	0	5.375	0.000	0.000		OK
RE297A	-	0	5.300	0.000	0.000		OK
PS216	-	0	5.175	0.000	0.000		OK
ACO298	-	0	5.345	0.000	0.000		OK
RWP298A	-	0	5.375	0.000	0.000		OK
RE298A	-	0	5.300	0.000	0.000		OK
PS214	15 min Summer	12	5.093	0.093	1.490		OK
S123	15 min Summer	11	5.106	0.156	1.088		Surcharged
S65	15 min Summer	12	5.094	0.619	8.388		Surcharged
DF297	60 min Summer	40	5.218	0.018	1.817		OK
S125	15 min Summer	12	5.084	0.716	8.984		Surcharged
RWP303A	15 min Summer	8	5.687	0.037	0.028		OK
PS351	15 min Summer	8	5.687	0.062	4.476		OK
PS352	15 min Summer	9	5.486	0.061	4.357		OK
RE303A	15 min Summer	8	5.706	0.056	5.047		OK
PS354	15 min Summer	11	5.469	0.219	5.314		Surcharged
RE306A	15 min Summer	8	5.729	0.079	7.548		OK
RWP306B	-	0	5.675	0.000	0.000		OK
PS378	15 min Summer	11	5.524	0.124	3.903		Surcharged
RE306B	-	0	5.650	0.000	0.000		OK
DF306	30 min Summer	24	5.524	0.024	1.593		OK
RWP306A	-	0	5.675	0.000	0.000		OK
PS39	15 min Summer	11	5.465	0.365	4.930		Surcharged
S97	15 min Summer	11	5.462	0.559	9.615		Surcharged
RE292A	-	0	5.550	0.000	0.000		OK
DF293	30 min Summer	24	5.519	0.019	1.584		OK
PS387	15 min Summer	11	5.433	0.063	0.547		OK
PS35	15 min Summer	11	5.430	0.230	0.680		Surcharged
RE291A	-	0	5.450	0.000	0.000		OK
PS386	15 min Summer	11	5.425	0.125	0.335		Surcharged
PS36	15 min Summer	11	5.428	0.308	0.728		Surcharged
S121	60 min Summer	41	5.507	0.022	2.259		OK
S67	15 min Summer	11	5.425	0.625	23.559		Surcharged
S68	15 min Summer	12	5.075	0.900	32.183		Surcharged
S66	15 min Summer	11	5.033	0.928	31.392		Surcharged
RWP266A	-	0	5.550	0.000	0.000		OK
RE266A	15 min Summer	8	5.534	0.034	1.959		OK
PS516	15 min Summer	8	5.437	0.037	1.944		OK
RE266B	-	0	5.575	0.000	0.000		OK
ACO266A	-	0	5.570	0.000	0.000		OK
PS850	15 min Summer	8	5.324	0.024	1.926		OK
GY267	-	0	5.450	0.000	0.000		OK
RWP266B	-	0	5.600	0.000	0.000		OK
PS523	-	0	5.600	0.000	0.000		OK
PS521	15 min Summer	9	5.137	0.037	1.918		OK
RE266C	-	0	5.700	0.000	0.000		OK
PS518	15 min Summer	10	5.119	0.094	2.057		OK
S56	15 min Summer	10	5.107	0.432	35.614		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S57	15 min Summer	11	4.990	1.015	63.295		Surcharged
RE288B	-	0	5.150	0.000	0.000		OK
PS481	15 min Summer	11	4.959	0.059	0.862		OK
RE288A	-	0	5.225	0.000	0.000		OK
DF290	60 min Summer	42	5.070	0.020	2.623		OK
PS58	15 min Summer	11	4.956	0.256	0.603		Surcharged
PS851	-	0	5.375	0.000	0.000		OK
RE268A	-	0	5.300	0.000	0.000		OK
RWP268G	-	0	5.375	0.000	0.000		OK
PS494	-	0	5.100	0.000	0.000		OK
PS495	15 min Summer	11	4.948	0.048	0.000		OK
RWP268B	-	0	5.375	0.000	0.000		OK
RE268B	15 min Summer	8	5.371	0.021	1.091		OK
RWP268A	-	0	5.375	0.000	0.000		OK
GY268A	-	0	5.325	0.000	0.000		OK
RWP268D	-	0	5.375	0.000	0.000		OK
PS852	-	0	5.175	0.000	0.000		OK
PS492	15 min Summer	11	4.942	0.042	0.597		OK
PS496	15 min Summer	11	4.948	0.148	2.019		OK
S58	15 min Summer	11	4.948	1.018	75.874		Surcharged
RE287A	-	0	5.000	0.000	0.000		OK
RE285B	-	0	5.025	0.000	0.000		OK
PS469	15 min Summer	11	4.848	0.018	0.000		OK
RE285A	-	0	5.000	0.000	0.000		OK
PS62(D)	15 min Summer	11	4.837	0.112	0.568		OK
PS63	15 min Summer	11	4.836	0.186	0.947		Surcharged
DF287	60 min Summer	40	4.922	0.022	1.809		OK
PS60	15 min Summer	11	4.835	0.085	0.554		OK
PS61	15 min Summer	11	4.835	0.235	2.143		Surcharged
RE274A	-	0	4.925	0.000	0.000		OK
PS585	15 min Summer	11	4.846	0.096	0.000		OK
RE271B	-	0	4.950	0.000	0.000		OK
DF269	30 min Summer	24	4.845	0.020	1.655		OK
PS69	15 min Summer	11	4.838	0.288	2.046		Surcharged
S59	15 min Summer	11	4.833	0.983	121.775		Surcharged
GY285A	-	0	4.850	0.000	0.000		OK
PS466	-	0	4.975	0.000	0.000		OK
PS465	-	0	4.600	0.000	0.000		OK
GY283A	-	0	4.750	0.000	0.000		OK
ACO283	-	0	4.745	0.000	0.000		OK
PS463	-	0	4.775	0.000	0.000		OK
PS459	15 min Summer	11	4.477	0.027	0.493		OK
RE284A	-	0	5.025	0.000	0.000		OK
PS460	15 min Summer	11	4.472	0.122	0.553		OK
RE272A	-	0	4.775	0.000	0.000		OK
YG273	-	0	4.670	0.000	0.000		OK
RWP273B	-	0	4.925	0.000	0.000		OK
PS575	-	0	4.565	0.000	0.000		OK
RE273A	-	0	4.875	0.000	0.000		OK
PS576	15 min Summer	11	4.472	0.022	0.295		OK
S157	15 min Summer	11	4.472	0.724	125.153		Surcharged
RWP278A	-	0	4.485	0.000	0.000		OK
RE278	-	0	4.450	0.000	0.000		OK
PS563	-	0	4.300	0.000	0.000		OK
RWP278B	-	0	4.485	0.000	0.000		OK
RE278B	-	0	4.450	0.000	0.000		OK
DF277	60 min Summer	41	4.371	0.021	2.231		OK
PS70	1440 min Summer	946	4.155	0.055	0.243		OK
DF282	60 min Summer	40	4.528	0.028	1.742		OK
PS65	60 min Summer	40	4.270	0.020	1.742		OK
S133	1440 min Summer	943	4.155	0.511	4.800		Surcharged
S60	1440 min Winter	997	4.155	0.551	5.434		Surcharged
RE279A	15 min Summer	10	4.700	0.115	0.000		Surcharged
PS436	15 min Summer	10	4.700	0.200	7.226		Surcharged
RE279B	-	0	4.500	0.000	0.000		OK
GY281	-	0	4.550	0.000	0.000		OK
PS439	-	0	4.250	0.000	0.000		OK
PS437	15 min Summer	10	4.186	0.036	7.363		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S122	1440 min Winter	997	4.156	0.231	0.000		Surcharged
S95	1440 min Winter	997	4.155	0.315	0.364		Surcharged
S96	1440 min Winter	997	4.155	0.580	5.951		Surcharged
S94	1440 min Winter	997	4.154	0.704	6.451		Surcharged
S160	1440 min Winter	998	4.243	0.893	1.218		Surcharged
S159	1440 min Winter	1000	4.194	0.869	1.916		Surcharged
S62	1440 min Winter	997	4.154	0.854	6.437		Surcharged
S100	1440 min Winter	997	4.154	0.904	1.577		Surcharged
S63	15 min Summer	0	3.700	0.550	1.629		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	13	RWP299A	RE299A	0.004	0.000	0.000	0.000	OK
1.001	15 min Summer	13	RE299A	PS211	0.040	0.075	0.080	0.011	OK
2.000	15 min Summer	12	ACO299	PS211	0.040	0.000	0.000	0.000	OK
3.000	15 min Summer	12	RWP299B	PS211	0.040	0.000	0.000	0.000	OK
1.002	15 min Summer	13	PS211	PS212	0.090	0.119	0.824	0.133	OK
4.000	15 min Summer	10	RWP299C	PS212	0.050	0.000	0.000	0.000	OK
1.003	30 min Summer	21	PS212	PS210	0.100	0.290	1.213	0.180	Surcharged
5.000	15 min Summer	13	ACO300	RE300A	0.003	0.000	0.000	0.000	OK
6.000	15 min Summer	13	RWP300B	RE300A	0.003	0.000	0.000	0.000	OK
5.001	15 min Summer	13	RE300A	PS209	0.053	0.060	0.051	0.007	OK
5.002	15 min Winter	15	PS209	PS210	0.100	0.266	1.091	0.144	Surcharged
7.000	15 min Summer	9	RWP299D	PS210	0.050	0.000	0.000	0.000	OK
1.004	15 min Winter	10	PS210	S64	0.150	0.908	5.523	0.304	Surcharged
1.005	30 min Summer	17	S64	S65	0.225	0.656	10.272	0.214	OK
8.000	15 min Summer	0	ACO297	RE297A	0.000	0.000	0.000	0.000	OK
9.000	15 min Summer	0	RWP297A	RE297A	0.000	0.000	0.000	0.000	OK
8.001	15 min Summer	0	RE297A	PS216	0.000	0.000	0.000	0.000	OK
8.002	15 min Summer	12	PS216	PS214	0.022	0.000	0.000	0.000	OK
10.000	15 min Summer	0	ACO298	RE298A	0.000	0.000	0.000	0.000	OK
11.000	15 min Summer	0	RWP298A	RE298A	0.000	0.000	0.000	0.000	OK
10.001	15 min Summer	12	RE298A	PS214	0.022	0.000	0.000	0.000	OK
8.003	15 min Summer	12	PS214	S65	0.122	1.399	5.082	0.131	OK
12.000	15 min Summer	15	S123	S65	0.150	0.822	3.805	0.167	Surcharged
1.006	15 min Winter	8	S65	S125	0.225	1.091	22.248	0.499	OK
13.000	60 min Summer	40	DF297	S125	0.084	1.326	1.816	0.032	OK
1.007	15 min Winter	19	S125	S68	0.225	0.803	31.384	0.704	OK
14.000	15 min Summer	11	RWP303A	PS351	0.050	0.118	0.261	0.037	OK
14.001	15 min Summer	8	PS351	PS352	0.061	0.871	4.407	0.711	OK
14.002	15 min Summer	10	PS352	PS354	0.079	0.873	4.403	0.701	OK
15.000	15 min Summer	10	RE303A	PS354	0.075	1.117	5.001	0.597	OK
14.003	15 min Winter	11	PS354	S97	0.150	0.811	8.552	0.271	Surcharged
16.000	15 min Summer	10	RE306A	PS378	0.084	1.138	7.486	0.964	OK
17.000	15 min Summer	10	RWP306B	PS378	0.050	0.000	0.000	0.000	OK
16.001	15 min Summer	10	PS378	PS39	0.100	1.134	7.390	0.948	Surcharged
18.000	15 min Summer	9	RE306B	PS39	0.050	0.000	0.000	0.000	OK
19.000	30 min Summer	24	DF306	PS39	0.087	0.886	1.592	0.054	OK
20.000	15 min Summer	9	RWP306A	PS39	0.050	0.000	0.000	0.000	OK
16.002	60 min Summer	34	PS39	S97	0.150	0.710	6.876	0.182	Surcharged
14.004	30 min Summer	15	S97	S67	0.150	0.716	10.716	0.710	Surcharged
21.000	15 min Summer	11	RE292A	PS387	0.006	0.000	0.000	0.000	OK
22.000	15 min Summer	17	DF293	PS387	0.037	0.885	1.411	0.029	OK
21.001	15 min Summer	17	PS387	PS35	0.106	0.680	1.414	0.067	OK
21.002	30 min Summer	24	PS35	PS36	0.150	0.904	3.019	0.137	Surcharged
23.000	15 min Summer	11	RE291A	PS386	0.050	0.000	0.000	0.000	OK
23.001	15 min Summer	14	PS386	PS36	0.100	0.212	0.887	0.130	Surcharged
21.003	15 min Winter	15	PS36	S67	0.150	0.498	4.239	0.084	Surcharged
24.000	60 min Summer	41	S121	S67	0.086	0.507	2.258	0.046	OK
14.005	15 min Winter	7	S67	S68	0.150	1.705	27.628	0.981	Surcharged
1.008	15 min Winter	17	S68	S66	0.225	1.310	52.078	1.377	OK
1.009	15 min Winter	17	S66	S57	0.225	1.415	56.269	1.595	OK
25.000	15 min Summer	8	RWP266A	RE266A	0.017	0.000	0.000	0.000	OK
25.001	15 min Summer	8	RE266A	PS516	0.036	0.777	1.944	0.246	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
25.002	15 min Summer	8	PS516	PS850	0.031	0.946	1.926	0.278	OK
26.000	15 min Summer	8	RE266B	PS850	0.012	0.000	0.000	0.000	OK
27.000	15 min Summer	8	ACO266A	PS850	0.012	0.000	0.000	0.000	OK
25.003	15 min Summer	9	PS850	PS521	0.024	1.341	1.918	0.124	OK
28.000	15 min Summer	9	GY267	PS521	0.019	0.000	0.000	0.000	OK
29.000	15 min Summer	0	RWP266B	PS521	0.000	0.000	0.000	0.000	OK
30.000	15 min Summer	0	PS523	PS521	0.000	0.000	0.000	0.000	OK
25.004	15 min Summer	10	PS521	PS518	0.065	0.777	1.932	0.130	OK
31.000	15 min Summer	10	RE266C	PS518	0.022	0.000	0.000	0.000	OK
25.005	15 min Summer	11	PS518	S56	0.122	0.800	5.188	0.122	OK
25.006	15 min Winter	9	S56	S57	0.225	1.373	36.803	0.515	OK
1.010	15 min Winter	15	S57	S58	0.300	1.021	72.150	1.128	Surcharged
32.000	15 min Summer	11	RE288B	PS481	0.030	0.000	0.000	0.000	OK
32.001	15 min Summer	12	PS481	PS58	0.080	0.189	0.784	0.117	OK
33.000	15 min Summer	10	RE288A	PS58	0.050	0.000	0.000	0.000	OK
34.000	30 min Summer	26	DF290	PS58	0.083	1.590	2.477	0.038	OK
32.002	30 min Summer	22	PS58	S58	0.150	1.302	4.096	0.086	Surcharged
35.000	15 min Summer	0	PS851	RE268A	0.000	0.000	0.000	0.000	OK
35.001	15 min Summer	0	RE268A	PS494	0.000	0.000	0.000	0.000	OK
36.000	15 min Summer	0	RWP268G	PS494	0.000	0.000	0.000	0.000	OK
35.002	15 min Summer	11	PS494	PS495	0.024	0.000	0.000	0.000	OK
35.003	15 min Summer	11	PS495	PS496	0.098	0.094	0.971	0.043	OK
37.000	15 min Summer	8	RWP268B	RE268B	0.010	0.000	0.000	0.000	OK
37.001	15 min Summer	8	RE268B	PS492	0.021	0.911	1.083	0.096	OK
38.000	15 min Summer	0	RWP268A	PS852	0.000	0.000	0.000	0.000	OK
39.000	15 min Summer	0	GY268A	PS852	0.000	0.000	0.000	0.000	OK
40.000	15 min Summer	0	RWP268D	PS852	0.000	0.000	0.000	0.000	OK
38.001	15 min Summer	11	PS852	PS492	0.021	0.000	0.000	0.000	OK
37.002	15 min Summer	11	PS492	PS496	0.095	0.698	1.074	0.045	OK
35.004	15 min Summer	12	PS496	S58	0.149	0.706	2.742	0.110	OK
1.011	15 min Winter	15	S58	S59	0.300	1.168	82.563	1.308	Surcharged
41.000	15 min Summer	11	RE287A	PS469	0.009	0.000	0.000	0.000	OK
42.000	15 min Summer	11	RE285B	PS469	0.009	0.000	0.000	0.000	OK
41.001	15 min Summer	12	PS469	PS63	0.059	0.181	0.104	0.017	OK
43.000	15 min Summer	10	RE285A	PS63	0.050	0.000	0.000	0.000	OK
44.000	15 min Summer	12	PS62(D)	PS63	0.131	0.636	1.934	0.070	OK
41.002	15 min Winter	13	PS63	PS61	0.150	0.452	2.872	0.174	Surcharged
45.000	15 min Summer	17	DF287	PS60	0.049	0.897	1.574	0.041	OK
45.001	15 min Summer	12	PS60	PS61	0.118	0.633	1.953	0.082	OK
41.003	15 min Winter	13	PS61	S59	0.150	0.909	5.865	0.241	Surcharged
46.000	15 min Summer	11	RE274A	PS585	0.048	0.000	0.000	0.000	OK
46.001	15 min Summer	11	PS585	PS69	0.098	0.207	1.204	0.179	OK
47.000	15 min Summer	9	RE271B	PS69	0.050	0.000	0.000	0.000	OK
48.000	30 min Summer	25	DF269	PS69	0.084	1.322	1.654	0.035	OK
46.002	15 min Winter	14	PS69	S59	0.150	1.167	5.040	0.087	Surcharged
1.012	15 min Winter	10	S59	S157	0.300	1.752	123.853	1.937	Surcharged
49.000	15 min Summer	0	GY285A	PS465	0.000	0.000	0.000	0.000	OK
50.000	15 min Summer	0	PS466	PS465	0.000	0.000	0.000	0.000	OK
49.001	15 min Summer	11	PS465	PS459	0.013	0.000	0.000	0.000	OK
51.000	15 min Summer	11	GY283A	PS459	0.013	0.000	0.000	0.000	OK
52.000	15 min Summer	0	ACO283	PS459	0.000	0.000	0.000	0.000	OK
53.000	15 min Summer	0	PS463	PS459	0.000	0.000	0.000	0.000	OK
49.002	15 min Summer	12	PS459	PS460	0.074	0.145	0.324	0.019	OK
54.000	15 min Summer	0	RE284A	PS460	0.000	0.000	0.000	0.000	OK
49.003	15 min Summer	13	PS460	S157	0.136	0.102	1.393	0.027	OK
55.000	15 min Summer	0	RE272A	PS575	0.000	0.000	0.000	0.000	OK
56.000	15 min Summer	0	YG273	PS575	0.000	0.000	0.000	0.000	OK
57.000	15 min Summer	0	RWP273B	PS575	0.000	0.000	0.000	0.000	OK
55.001	15 min Summer	11	PS575	PS576	0.011	0.000	0.000	0.000	OK
58.000	15 min Summer	0	RE273A	PS576	0.000	0.000	0.000	0.000	OK
55.002	15 min Summer	12	PS576	S157	0.086	0.060	0.565	0.007	OK
1.013	15 min Winter	11	S157	S133	0.300	1.728	122.179	1.911	Surcharged
59.000	15 min Summer	0	RWP278A	RE278	0.000	0.000	0.000	0.000	OK
59.001	15 min Summer	0	RE278	PS563	0.000	0.000	0.000	0.000	OK
59.002	1440 min Summer	946	PS563	PS70	0.003	0.000	0.000	0.000	OK
60.000	15 min Summer	0	RWP278B	RE278B	0.000	0.000	0.000	0.000	OK
60.001	1440 min Summer	946	RE278B	PS70	0.003	0.000	0.000	0.000	OK
61.000	1440 min Summer	946	DF277	PS70	0.030	0.893	0.389	0.007	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
59.003	1440 min Summer	946	PS70	S133	0.103	0.798	1.115	0.020	OK
62.000	60 min Summer	40	DF282	PS65	0.024	0.964	1.742	0.069	OK
62.001	60 min Summer	40	PS65	S133	0.085	0.831	1.742	0.038	OK
1.014	15 min Winter	12	S133	S60	0.300	1.761	124.446	1.945	Surcharged
1.015	180 min Summer	122	S60	S96	0.300	1.553	87.242	1.368	Surcharged
63.000	15 min Summer	11	RE279A	PS436	0.100	0.142	1.077	0.169	Surcharged
63.001	15 min Summer	10	PS436	PS437	0.093	0.966	7.363	1.210	OK
64.000	15 min Summer	0	RE279B	PS439	0.000	0.000	0.000	0.000	OK
65.000	15 min Summer	0	GY281	PS439	0.000	0.000	0.000	0.000	OK
64.001	15 min Summer	10	PS439	PS437	0.018	0.000	0.000	0.000	OK
63.002	30 min Summer	19	PS437	S96	0.090	1.804	6.842	0.118	OK
66.000	1440 min Summer	954	S122	S95	0.150	0.023	0.357	0.024	Surcharged
66.001	360 min Summer	245	S95	S96	0.150	0.702	3.714	0.252	Surcharged
1.016	180 min Summer	106	S96	S94	0.300	1.795	95.793	0.715	Surcharged
1.017	30 min Winter	43	S94	S62	0.300	2.928	152.840	0.977	Surcharged
67.000	1440 min Winter	1009	S160	S159	0.375	0.107	11.799	0.102	Surcharged
67.001	1440 min Winter	1009	S159	S62	0.375	0.107	11.800	0.106	Surcharged
1.018	720 min Summer	334	S62	S100	0.300	0.046	3.224	0.027	Surcharged
1.019	180 min Winter	293	S100	S63	0.225	0.042	1.650	0.021	OK

Permeable Paving Storage

Permeable Paving	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
Permeable Paving16	60 min Summer	42	5.325	0.062	3.496		OK
Permeable Paving17	60 min Summer	40	5.511	0.041	1.835		OK
Permeable Paving24	30 min Summer	24	5.724	0.037	1.613		OK
Permeable Paving25	30 min Summer	24	5.729	0.037	1.598		OK
Permeable Paving15	60 min Summer	41	5.849	0.047	2.331		OK
Permeable Paving35	60 min Summer	41	5.288	0.052	2.978		OK
Permeable Paving37	30 min Summer	23	5.064	0.032	1.228		OK
Permeable Paving36	60 min Summer	40	5.148	0.041	1.824		OK
Permeable Paving40	30 min Summer	24	5.056	0.038	1.712		OK
Permeable Paving41	60 min Summer	41	4.617	0.047	2.287		OK
Permeable Paving38	60 min Summer	40	4.721	0.040	1.734		OK

Return Period Yrs: 30.0

Climate Change %: 45

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RWP299A	30 min Summer	23	5.300	0.150	0.118		Surcharged
RE299A	30 min Summer	23	5.300	0.200	0.235		Surcharged
ACO299	30 min Summer	23	5.300	0.180	0.091		Surcharged
RWP299B	30 min Summer	23	5.300	0.150	0.091		Surcharged
PS211	30 min Summer	23	5.299	0.274	0.505		Surcharged
RWP299C	30 min Summer	22	5.296	0.146	0.099		Surcharged
PS212	30 min Summer	22	5.296	0.396	2.191		Surcharged
ACO300	30 min Summer	22	5.309	0.189	0.000		Surcharged
RWP300B	30 min Summer	22	5.308	0.158	0.000		Surcharged
RE300A	30 min Summer	22	5.308	0.208	0.053		Surcharged
PS209	30 min Summer	22	5.304	0.354	0.077		Surcharged
RWP299D	30 min Summer	21	5.303	0.153	0.026		Surcharged
PS210	30 min Summer	21	5.302	0.512	5.280		Surcharged
S64	15 min Summer	12	5.303	0.678	5.558		Surcharged
ACO297	-	0	5.345	0.000	0.000		OK
RWP297A	-	0	5.375	0.000	0.000		OK
RE297A	15 min Summer	12	5.307	0.007	0.000		OK
PS216	30 min Summer	21	5.303	0.128	0.063		Surcharged
ACO298	-	0	5.345	0.000	0.000		OK
RWP298A	-	0	5.375	0.000	0.000		OK
RE298A	30 min Summer	21	5.305	0.005	0.000		OK
PS214	15 min Summer	12	5.303	0.303	1.922		Surcharged
S123	30 min Summer	21	5.306	0.356	2.151		Surcharged
S65	15 min Summer	12	5.302	0.827	5.860		Surcharged
DF297	30 min Summer	20	5.300	0.100	1.974		OK
S125	15 min Summer	12	5.300	0.931	1.747		Surcharged
RWP303A	15 min Summer	11	5.717	0.067	0.000		OK
PS351	15 min Summer	11	5.716	0.091	2.730		OK
PS352	15 min Summer	12	5.693	0.268	2.142		Surcharged
RE303A	15 min Summer	10	5.727	0.077	5.211		OK
PS354	30 min Summer	21	5.683	0.433	3.328		Surcharged
RE306A	15 min Summer	10	5.932	0.282	7.794		Flood Risk
RWP306B	15 min Summer	12	5.751	0.076	0.000		OK
PS378	15 min Summer	12	5.750	0.350	4.527		Surcharged
RE306B	30 min Summer	21	5.685	0.035	0.000		OK
DF306	30 min Summer	21	5.686	0.186	2.025		Surcharged
RWP306A	30 min Summer	21	5.684	0.009	0.074		OK
PS39	30 min Summer	21	5.684	0.584	5.481		Surcharged
S97	30 min Summer	21	5.680	0.777	8.584		Surcharged
RE292A	30 min Summer	21	5.653	0.103	0.088		Surcharged
DF293	30 min Summer	21	5.652	0.152	2.016		Surcharged
PS387	30 min Summer	21	5.651	0.281	1.748		Surcharged
PS35	30 min Summer	21	5.649	0.449	1.879		Surcharged
RE291A	30 min Summer	21	5.651	0.201	0.000		Surcharged
PS386	30 min Summer	21	5.650	0.350	0.211		Surcharged
PS36	30 min Summer	21	5.648	0.528	2.108		Surcharged
S121	30 min Summer	21	5.649	0.164	2.508		Surcharged
S67	30 min Summer	21	5.647	0.847	22.772		Surcharged
S68	15 min Summer	12	5.294	1.119	27.094		Surcharged
S66	15 min Summer	11	5.265	1.160	27.976		Surcharged
RWP266A	-	0	5.550	0.000	0.000		OK
RE266A	15 min Summer	8	5.539	0.039	2.540		OK
PS516	15 min Summer	8	5.443	0.043	2.523		OK
RE266B	-	0	5.575	0.000	0.000		OK
ACO266A	-	0	5.570	0.000	0.000		OK
PS850	15 min Summer	10	5.430	0.130	2.170		Surcharged
GY267	-	0	5.450	0.000	0.000		OK
RWP266B	-	0	5.600	0.000	0.000		OK
PS523	-	0	5.600	0.000	0.000		OK
PS521	15 min Summer	10	5.423	0.323	2.236		Surcharged
RE266C	-	0	5.700	0.000	0.000		OK
PS518	15 min Summer	10	5.411	0.386	1.492		Surcharged
S56	15 min Summer	10	5.413	0.738	46.968		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S57	15 min Summer	11	5.229	1.254	68.160		Surcharged
RE288B	15 min Summer	12	5.186	0.036	0.000		OK
PS481	15 min Summer	11	5.183	0.283	1.236		Surcharged
RE288A	-	0	5.225	0.000	0.000		OK
DF290	15 min Summer	11	5.187	0.137	1.084		OK
PS58	15 min Summer	11	5.186	0.486	1.340		Surcharged
PS851	-	0	5.375	0.000	0.000		OK
RE268A	-	0	5.300	0.000	0.000		OK
RWP268G	-	0	5.375	0.000	0.000		OK
PS494	15 min Summer	11	5.190	0.090	0.000		OK
PS495	15 min Summer	11	5.190	0.290	0.606		Surcharged
RWP268B	-	0	5.375	0.000	0.000		OK
RE268B	15 min Summer	8	5.374	0.024	1.415		OK
RWP268A	-	0	5.375	0.000	0.000		OK
GY268A	-	0	5.325	0.000	0.000		OK
RWP268D	-	0	5.375	0.000	0.000		OK
PS852	15 min Summer	11	5.188	0.013	0.369		OK
PS492	15 min Summer	11	5.185	0.285	0.803		Surcharged
PS496	15 min Summer	11	5.185	0.385	0.994		Surcharged
S58	15 min Summer	11	5.181	1.251	82.539		Surcharged
RE287A	15 min Summer	12	5.058	0.058	0.000		OK
RE285B	15 min Summer	12	5.062	0.037	0.000		OK
PS469	15 min Summer	12	5.056	0.226	0.899		Surcharged
RE285A	15 min Summer	11	5.069	0.069	0.374		OK
PS62(D)	15 min Summer	11	5.059	0.334	0.358		Surcharged
PS63	15 min Summer	11	5.058	0.408	2.211		Surcharged
DF287	15 min Summer	11	5.054	0.154	1.014		Surcharged
PS60	15 min Summer	11	5.054	0.304	1.487		Surcharged
PS61	15 min Summer	11	5.054	0.454	2.052		Surcharged
RE274A	15 min Summer	11	5.061	0.136	0.745		Surcharged
PS585	15 min Summer	11	5.060	0.310	1.048		Surcharged
RE271B	15 min Summer	11	5.062	0.112	0.000		Surcharged
DF269	15 min Summer	11	5.056	0.231	0.795		Surcharged
PS69	15 min Summer	11	5.055	0.505	1.580		Surcharged
S59	15 min Summer	11	5.049	1.199	133.310		Surcharged
GY285A	-	0	4.850	0.000	0.000		OK
PS466	-	0	4.975	0.000	0.000		OK
PS465	30 min Summer	21	4.646	0.046	0.000		OK
GY283A	-	0	4.750	0.000	0.000		OK
ACO283	-	0	4.745	0.000	0.000		OK
PS463	-	0	4.775	0.000	0.000		OK
PS459	30 min Summer	20	4.648	0.198	0.088		Surcharged
RE284A	-	0	5.025	0.000	0.000		OK
PS460	30 min Summer	20	4.650	0.300	0.067		Surcharged
RE272A	-	0	4.775	0.000	0.000		OK
YG273	-	0	4.670	0.000	0.000		OK
RWP273B	-	0	4.925	0.000	0.000		OK
PS575	30 min Summer	20	4.652	0.087	0.000		OK
RE273A	-	0	4.875	0.000	0.000		OK
PS576	30 min Summer	20	4.650	0.200	0.088		Surcharged
S157	30 min Summer	20	4.650	0.902	128.587		Surcharged
RWP278A	-	0	4.485	0.000	0.000		OK
RE278	-	0	4.450	0.000	0.000		OK
PS563	600 min Winter	596	4.305	0.005	0.000		OK
RWP278B	-	0	4.485	0.000	0.000		OK
RE278B	-	0	4.450	0.000	0.000		OK
DF277	60 min Summer	40	4.374	0.024	2.970		OK
PS70	600 min Winter	596	4.305	0.205	0.073		Surcharged
DF282	30 min Summer	24	4.532	0.032	2.353		OK
PS65	600 min Winter	595	4.305	0.055	0.041		OK
S133	600 min Winter	595	4.305	0.661	1.358		Surcharged
S60	600 min Winter	596	4.305	0.701	1.250		Surcharged
RE279A	15 min Summer	10	4.867	0.282	0.309		Surcharged
PS436	15 min Summer	10	4.866	0.366	9.320		Surcharged
RE279B	-	0	4.500	0.000	0.000		OK
GY281	-	0	4.550	0.000	0.000		OK
PS439	600 min Winter	598	4.305	0.055	0.002		OK
PS437	600 min Winter	595	4.305	0.155	0.042		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S122	600 min Winter	597	4.305	0.380	0.020		Surcharged
S95	600 min Winter	596	4.305	0.465	0.036		Surcharged
S96	600 min Winter	596	4.305	0.730	1.301		Surcharged
S94	600 min Winter	596	4.305	0.855	1.345		Flood Risk
S160	960 min Winter	664	4.327	0.977	0.093		Surcharged
S159	600 min Winter	596	4.305	0.980	0.000		Flood Risk
S62	600 min Winter	596	4.305	1.005	1.344		Surcharged
S100	600 min Winter	596	4.305	1.055	1.394		Flood Risk
S63	15 min Summer	0	3.700	0.550	1.628		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	30 min Summer	30	RWP299A	RE299A	0.100	0.430	1.603	0.105	Surcharged
1.001	15 min Winter	19	RE299A	PS211	0.100	0.242	1.855	0.263	Surcharged
2.000	30 min Summer	30	ACO299	PS211	0.100	0.179	1.129	0.072	Surcharged
3.000	15 min Winter	19	RWP299B	PS211	0.100	0.213	1.107	0.050	Surcharged
1.002	15 min Winter	20	PS211	PS212	0.100	0.526	4.118	0.663	Surcharged
4.000	15 min Winter	18	RWP299C	PS212	0.100	0.179	0.998	0.042	Surcharged
1.003	15 min Winter	20	PS212	PS210	0.100	0.708	5.560	0.827	Surcharged
5.000	30 min Winter	29	ACO300	RE300A	0.100	0.381	2.001	0.365	Surcharged
6.000	30 min Summer	29	RWP300B	RE300A	0.100	0.523	2.335	0.129	Surcharged
5.001	15 min Winter	19	RE300A	PS209	0.100	0.424	2.543	0.363	Surcharged
5.002	15 min Winter	19	PS209	PS210	0.100	0.453	3.557	0.469	Surcharged
7.000	15 min Winter	17	RWP299D	PS210	0.100	0.118	0.752	0.029	Surcharged
1.004	15 min Winter	19	PS210	S64	0.150	0.950	9.517	0.524	Surcharged
1.005	15 min Winter	21	S64	S65	0.225	0.686	12.216	0.254	OK
8.000	15 min Summer	12	ACO297	RE297A	0.004	0.000	0.000	0.000	OK
9.000	15 min Summer	12	RWP297A	RE297A	0.004	0.000	0.000	0.000	OK
8.001	15 min Summer	12	RE297A	PS216	0.054	0.035	0.067	0.010	OK
8.002	15 min Winter	16	PS216	PS214	0.100	0.177	0.638	0.098	Surcharged
10.000	30 min Summer	21	ACO298	RE298A	0.003	0.000	0.000	0.000	OK
11.000	30 min Summer	21	RWP298A	RE298A	0.003	0.000	0.000	0.000	OK
10.001	30 min Summer	22	RE298A	PS214	0.053	0.005	0.021	0.002	OK
8.003	15 min Winter	10	PS214	S65	0.150	1.380	6.124	0.158	Surcharged
12.000	30 min Summer	32	S123	S65	0.150	0.904	6.589	0.288	Surcharged
1.006	15 min Winter	20	S65	S125	0.225	1.074	24.829	0.557	OK
13.000	30 min Summer	25	DF297	S125	0.125	1.142	2.960	0.052	OK
1.007	15 min Winter	21	S125	S68	0.225	0.777	30.878	0.692	OK
14.000	15 min Summer	15	RWP303A	PS351	0.079	0.170	0.391	0.056	OK
14.001	15 min Summer	11	PS351	PS352	0.096	0.912	5.696	0.919	OK
14.002	15 min Winter	9	PS352	PS354	0.100	0.891	5.128	0.816	Surcharged
15.000	15 min Summer	10	RE303A	PS354	0.088	1.160	6.506	0.777	OK
14.003	15 min Winter	9	PS354	S97	0.150	0.903	9.823	0.311	Surcharged
16.000	30 min Summer	16	RE306A	PS378	0.100	1.147	8.309	1.070	Surcharged
17.000	15 min Summer	14	RWP306B	PS378	0.088	0.101	0.543	0.021	OK
16.001	30 min Summer	16	PS378	PS39	0.100	1.123	7.987	1.025	Surcharged
18.000	30 min Summer	23	RE306B	PS39	0.067	0.060	0.302	0.029	OK
19.000	15 min Winter	17	DF306	PS39	0.150	0.789	2.817	0.096	Surcharged
20.000	30 min Summer	22	RWP306A	PS39	0.054	0.031	0.130	0.004	OK
16.002	30 min Summer	15	PS39	S97	0.150	0.725	7.169	0.190	Surcharged
14.004	30 min Winter	33	S97	S67	0.150	0.722	11.650	0.772	Surcharged
21.000	30 min Summer	26	RE292A	PS387	0.100	0.178	0.480	0.068	Surcharged
22.000	30 min Summer	26	DF293	PS387	0.150	0.865	2.632	0.055	Surcharged
21.001	30 min Summer	27	PS387	PS35	0.150	0.626	4.006	0.189	Surcharged
21.002	15 min Winter	17	PS35	PS36	0.150	0.806	4.677	0.212	Surcharged
23.000	15 min Winter	17	RE291A	PS386	0.100	0.128	0.909	0.135	Surcharged
23.001	15 min Winter	18	PS386	PS36	0.100	0.303	2.221	0.324	Surcharged
21.003	15 min Winter	17	PS36	S67	0.150	0.461	8.147	0.162	Surcharged
24.000	30 min Summer	27	S121	S67	0.150	0.656	3.668	0.074	Surcharged
14.005	30 min Winter	13	S67	S68	0.150	1.772	26.082	0.926	Surcharged
1.008	15 min Winter	21	S68	S66	0.225	1.509	59.991	1.586	OK
1.009	15 min Winter	20	S66	S57	0.225	1.592	63.293	1.795	OK
25.000	15 min Summer	8	RWP266A	RE266A	0.019	0.000	0.000	0.000	OK
25.001	15 min Summer	8	RE266A	PS516	0.041	0.837	2.523	0.319	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
25.002	15 min Summer	10	PS516	PS850	0.069	1.020	2.503	0.361	OK
26.000	15 min Summer	10	RE266B	PS850	0.050	0.000	0.000	0.000	OK
27.000	15 min Summer	10	ACO266A	PS850	0.050	0.000	0.000	0.000	OK
25.003	15 min Summer	11	PS850	PS521	0.100	1.444	2.961	0.192	Surcharged
28.000	15 min Summer	9	GY267	PS521	0.075	0.000	0.000	0.000	OK
29.000	15 min Summer	9	RWP266B	PS521	0.050	0.000	0.000	0.000	OK
30.000	15 min Summer	9	PS523	PS521	0.050	0.000	0.000	0.000	OK
25.004	30 min Summer	19	PS521	PS518	0.150	0.798	3.482	0.234	Surcharged
31.000	15 min Summer	8	RE266C	PS518	0.050	0.000	0.000	0.000	OK
25.005	30 min Summer	19	PS518	S56	0.150	0.859	5.173	0.122	Surcharged
25.006	15 min Winter	8	S56	S57	0.225	1.323	41.836	0.585	OK
1.010	15 min Winter	18	S57	S58	0.300	1.060	74.918	1.171	Surcharged
32.000	15 min Summer	12	RE288B	PS481	0.068	0.133	0.758	0.096	OK
32.001	15 min Winter	14	PS481	PS58	0.100	0.243	1.602	0.238	Surcharged
33.000	15 min Summer	8	RE288A	PS58	0.050	0.000	0.000	0.000	OK
34.000	15 min Summer	13	DF290	PS58	0.144	1.634	3.307	0.050	OK
32.002	15 min Winter	16	PS58	S58	0.150	1.221	6.706	0.142	Surcharged
35.000	15 min Summer	0	PS851	RE268A	0.000	0.000	0.000	0.000	OK
35.001	15 min Summer	11	RE268A	PS494	0.045	0.000	0.000	0.000	OK
36.000	15 min Summer	11	RWP268G	PS494	0.020	0.000	0.000	0.000	OK
35.002	15 min Summer	13	PS494	PS495	0.120	0.109	1.141	0.038	OK
35.003	15 min Winter	13	PS495	PS496	0.150	0.122	1.642	0.073	Surcharged
37.000	15 min Summer	8	RWP268B	RE268B	0.012	0.000	0.000	0.000	OK
37.001	15 min Summer	9	RE268B	PS492	0.061	0.983	1.405	0.124	OK
38.000	15 min Summer	0	RWP268A	PS852	0.000	0.000	0.000	0.000	OK
39.000	15 min Summer	11	GY268A	PS852	0.007	0.000	0.000	0.000	OK
40.000	15 min Summer	0	RWP268D	PS852	0.000	0.000	0.000	0.000	OK
38.001	15 min Summer	12	PS852	PS492	0.081	0.033	0.104	0.004	OK
37.002	15 min Winter	15	PS492	PS496	0.150	0.717	2.427	0.101	Surcharged
35.004	15 min Winter	15	PS496	S58	0.150	0.715	5.434	0.218	Surcharged
1.011	15 min Winter	18	S58	S59	0.300	1.208	85.403	1.353	Surcharged
41.000	15 min Summer	13	RE287A	PS469	0.079	0.176	0.918	0.124	OK
42.000	15 min Summer	12	RE285B	PS469	0.068	0.085	0.486	0.059	OK
41.001	15 min Winter	15	PS469	PS63	0.100	0.305	1.878	0.307	Surcharged
43.000	15 min Summer	13	RE285A	PS63	0.085	0.175	0.857	0.088	OK
44.000	15 min Winter	16	PS62(D)	PS63	0.150	0.657	3.342	0.120	Surcharged
41.002	15 min Winter	15	PS63	PS61	0.150	0.476	5.912	0.358	Surcharged
45.000	15 min Summer	14	DF287	PS60	0.150	0.980	3.211	0.084	Surcharged
45.001	30 min Summer	23	PS60	PS61	0.150	0.702	4.562	0.191	Surcharged
41.003	15 min Winter	16	PS61	S59	0.150	0.972	11.399	0.468	Surcharged
46.000	15 min Winter	14	RE274A	PS585	0.100	0.174	0.955	0.155	Surcharged
46.001	15 min Winter	14	PS585	PS69	0.100	0.304	2.067	0.308	Surcharged
47.000	15 min Summer	13	RE271B	PS69	0.100	0.134	0.850	0.097	Surcharged
48.000	15 min Winter	15	DF269	PS69	0.150	1.338	3.881	0.083	Surcharged
46.002	15 min Winter	15	PS69	S59	0.150	1.096	7.374	0.128	Surcharged
1.012	15 min Winter	10	S59	S157	0.300	1.935	136.762	2.139	Surcharged
49.000	30 min Summer	21	GY285A	PS465	0.023	0.000	0.000	0.000	OK
50.000	15 min Summer	0	PS466	PS465	0.000	0.000	0.000	0.000	OK
49.001	30 min Summer	21	PS465	PS459	0.098	0.040	0.398	0.018	OK
51.000	15 min Summer	11	GY283A	PS459	0.075	0.000	0.000	0.000	OK
52.000	15 min Summer	11	ACO283	PS459	0.050	0.000	0.000	0.000	OK
53.000	15 min Summer	11	PS463	PS459	0.050	0.000	0.000	0.000	OK
49.002	15 min Winter	16	PS459	PS460	0.150	0.216	1.842	0.111	Surcharged
54.000	15 min Summer	0	RE284A	PS460	0.000	0.000	0.000	0.000	OK
49.003	15 min Winter	16	PS460	S157	0.150	0.180	3.154	0.061	Surcharged
55.000	30 min Summer	20	RE272A	PS575	0.018	0.000	0.000	0.000	OK
56.000	30 min Summer	20	YG273	PS575	0.043	0.000	0.000	0.000	OK
57.000	30 min Summer	20	RWP273B	PS575	0.018	0.000	0.000	0.000	OK
55.001	30 min Summer	22	PS575	PS576	0.118	0.104	0.824	0.048	OK
58.000	15 min Summer	11	RE273A	PS576	0.050	0.000	0.000	0.000	OK
55.002	30 min Summer	22	PS576	S157	0.150	0.080	1.412	0.018	Surcharged
1.013	15 min Winter	12	S157	S133	0.300	1.828	129.238	2.022	Surcharged
59.000	15 min Summer	0	RWP278A	RE278	0.000	0.000	0.000	0.000	OK
59.001	600 min Winter	596	RE278	PS563	0.003	0.000	0.000	0.000	OK
59.002	600 min Winter	602	PS563	PS70	0.053	0.004	0.018	0.003	OK
60.000	15 min Summer	0	RWP278B	RE278B	0.000	0.000	0.000	0.000	OK
60.001	30 min Summer	19	RE278B	PS70	0.050	0.000	0.000	0.000	OK
61.000	30 min Summer	25	DF277	PS70	0.086	1.612	2.912	0.055	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
59.003	600 min Winter	481	PS70	S133	0.150	1.005	2.956	0.053	Surcharged
62.000	600 min Winter	592	DF282	PS65	0.030	0.640	0.448	0.018	OK
62.001	600 min Winter	595	PS65	S133	0.102	0.793	0.448	0.010	OK
1.014	30 min Summer	21	S133	S60	0.300	1.897	134.094	2.096	Surcharged
1.015	30 min Summer	21	S60	S96	0.300	1.922	135.828	2.130	Surcharged
63.000	15 min Winter	13	RE279A	PS436	0.100	0.240	1.710	0.268	Surcharged
63.001	15 min Summer	10	PS436	PS437	0.096	1.122	8.679	1.427	OK
64.000	600 min Winter	598	RE279B	PS439	0.003	0.000	0.000	0.000	OK
65.000	600 min Winter	598	GY281	PS439	0.028	0.000	0.000	0.000	OK
64.001	600 min Winter	733	PS439	PS437	0.103	0.010	0.108	0.006	OK
63.002	600 min Winter	571	PS437	S96	0.150	1.167	1.059	0.018	Surcharged
66.000	15 min Winter	12	S122	S95	0.150	0.142	1.695	0.113	Surcharged
66.001	15 min Winter	9	S95	S96	0.150	1.097	18.999	1.290	Surcharged
1.016	30 min Summer	19	S96	S94	0.300	2.185	154.455	1.153	Surcharged
1.017	15 min Winter	11	S94	S62	0.300	3.984	184.731	1.181	Surcharged
67.000	720 min Summer	453	S160	S159	0.375	0.195	21.576	0.186	Surcharged
67.001	960 min Winter	623	S159	S62	0.375	0.293	32.367	0.292	Surcharged
1.018	960 min Summer	406	S62	S100	0.300	0.059	4.195	0.036	Surcharged
1.019	240 min Winter	1532	S100	S63	0.225	0.042	1.650	0.021	OK

Permeable Paving Storage

Permeable Paving	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
Permeable Paving16	60 min Summer	44	5.340	0.077	4.663		OK
Permeable Paving17	30 min Summer	24	5.520	0.050	2.342		OK
Permeable Paving24	30 min Summer	23	5.733	0.046	2.161		OK
Permeable Paving25	30 min Summer	23	5.737	0.046	2.141		OK
Permeable Paving15	60 min Summer	40	5.859	0.057	3.090		OK
Permeable Paving35	60 min Summer	41	5.300	0.064	3.636		OK
Permeable Paving37	30 min Summer	22	5.072	0.039	1.691		OK
Permeable Paving36	30 min Summer	24	5.157	0.049	2.329		OK
Permeable Paving40	30 min Summer	23	5.066	0.048	2.294		OK
Permeable Paving41	60 min Summer	40	4.627	0.056	3.032		OK
Permeable Paving38	30 min Summer	23	4.730	0.048	2.476		OK

Return Period Yrs: 100.0

Climate Change %: 0

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RWP299A	30 min Summer	22	5.186	0.036	0.001		OK
RE299A	30 min Summer	22	5.186	0.086	0.001		OK
ACO299	30 min Summer	22	5.185	0.065	0.000		OK
RWP299B	30 min Summer	22	5.185	0.035	0.000		OK
PS211	30 min Summer	22	5.185	0.160	0.061		Surcharged
RWP299C	15 min Summer	13	5.182	0.032	0.000		OK
PS212	15 min Summer	13	5.183	0.283	1.202		Surcharged
ACO300	15 min Summer	13	5.191	0.071	0.134		OK
RWP300B	15 min Summer	13	5.190	0.040	0.164		OK
RE300A	15 min Summer	13	5.190	0.090	0.440		OK
PS209	15 min Summer	13	5.185	0.235	0.404		Surcharged
RWP299D	15 min Summer	12	5.185	0.035	0.307		OK
PS210	15 min Summer	12	5.185	0.395	4.888		Surcharged
S64	15 min Summer	12	5.186	0.561	1.999		Surcharged
ACO297	-	0	5.345	0.000	0.000		OK
RWP297A	-	0	5.375	0.000	0.000		OK
RE297A	-	0	5.300	0.000	0.000		OK
PS216	15 min Summer	12	5.187	0.012	0.417		OK
ACO298	-	0	5.345	0.000	0.000		OK
RWP298A	-	0	5.375	0.000	0.000		OK
RE298A	-	0	5.300	0.000	0.000		OK
PS214	15 min Summer	12	5.186	0.186	1.660		Surcharged
S123	15 min Summer	12	5.195	0.245	1.253		Surcharged
S65	15 min Summer	12	5.186	0.711	7.663		Surcharged
DF297	60 min Summer	40	5.220	0.020	2.103		OK
S125	15 min Summer	12	5.179	0.810	6.718		Surcharged
RWP303A	15 min Summer	8	5.692	0.042	0.034		OK
PS351	15 min Summer	8	5.692	0.067	5.008		OK
PS352	15 min Summer	11	5.582	0.157	2.938		Surcharged
RE303A	15 min Summer	8	5.710	0.060	5.648		OK
PS354	15 min Summer	12	5.564	0.314	3.914		Surcharged
RE306A	15 min Summer	10	5.773	0.123	6.733		Surcharged
RWP306B	-	0	5.675	0.000	0.000		OK
PS378	15 min Summer	11	5.636	0.236	5.417		Surcharged
RE306B	-	0	5.650	0.000	0.000		OK
DF306	15 min Summer	12	5.568	0.068	1.057		OK
RWP306A	-	0	5.675	0.000	0.000		OK
PS39	15 min Summer	12	5.564	0.464	5.322		Surcharged
S97	15 min Summer	12	5.559	0.656	9.703		Surcharged
RE292A	-	0	5.550	0.000	0.000		OK
DF293	15 min Summer	12	5.529	0.029	1.055		OK
PS387	15 min Summer	12	5.522	0.152	0.317		Surcharged
PS35	15 min Summer	12	5.521	0.321	1.321		Surcharged
RE291A	15 min Summer	12	5.529	0.079	0.000		OK
PS386	30 min Summer	20	5.523	0.223	0.014		Surcharged
PS36	30 min Summer	20	5.520	0.400	1.052		Surcharged
S121	15 min Summer	11	5.522	0.037	0.776		OK
S67	30 min Summer	20	5.519	0.719	22.645		Surcharged
S68	15 min Summer	11	5.172	0.997	26.095		Surcharged
S66	15 min Summer	11	5.139	1.034	31.816		Surcharged
RWP266A	-	0	5.550	0.000	0.000		OK
RE266A	15 min Summer	8	5.536	0.036	2.192		OK
PS516	15 min Summer	8	5.440	0.040	2.176		OK
RE266B	-	0	5.575	0.000	0.000		OK
ACO266A	-	0	5.570	0.000	0.000		OK
PS850	15 min Summer	8	5.325	0.025	2.158		OK
GY267	-	0	5.450	0.000	0.000		OK
RWP266B	-	0	5.600	0.000	0.000		OK
PS523	-	0	5.600	0.000	0.000		OK
PS521	15 min Summer	10	5.227	0.127	1.921		OK
RE266C	-	0	5.700	0.000	0.000		OK
PS518	15 min Summer	10	5.238	0.213	1.772		Surcharged
S56	15 min Summer	10	5.240	0.564	40.914		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S57	15 min Summer	11	5.094	1.119	65.959		Surcharged
RE288B	-	0	5.150	0.000	0.000		OK
PS481	15 min Summer	11	5.056	0.156	0.000		Surcharged
RE288A	-	0	5.225	0.000	0.000		OK
DF290	60 min Summer	42	5.072	0.022	3.089		OK
PS58	15 min Summer	11	5.052	0.352	1.569		Surcharged
PS851	-	0	5.375	0.000	0.000		OK
RE268A	-	0	5.300	0.000	0.000		OK
RWP268G	-	0	5.375	0.000	0.000		OK
PS494	-	0	5.100	0.000	0.000		OK
PS495	15 min Summer	11	5.046	0.146	0.000		OK
RWP268B	-	0	5.375	0.000	0.000		OK
RE268B	15 min Summer	8	5.372	0.022	1.221		OK
RWP268A	-	0	5.375	0.000	0.000		OK
GY268A	-	0	5.325	0.000	0.000		OK
RWP268D	-	0	5.375	0.000	0.000		OK
PS852	-	0	5.175	0.000	0.000		OK
PS492	15 min Summer	11	5.046	0.146	0.664		OK
PS496	15 min Summer	11	5.047	0.247	1.328		Surcharged
S58	15 min Summer	11	5.047	1.117	79.211		Surcharged
RE287A	-	0	5.000	0.000	0.000		OK
RE285B	-	0	5.025	0.000	0.000		OK
PS469	15 min Summer	11	4.954	0.124	0.000		Surcharged
RE285A	-	0	5.000	0.000	0.000		OK
PS62(D)	15 min Summer	11	4.943	0.218	0.683		Surcharged
PS63	15 min Summer	11	4.941	0.291	0.855		Surcharged
DF287	15 min Summer	11	4.938	0.038	0.750		OK
PS60	15 min Summer	11	4.938	0.188	1.081		Surcharged
PS61	15 min Summer	11	4.934	0.334	2.657		Surcharged
RE274A	15 min Summer	11	4.938	0.013	0.000		OK
PS585	15 min Summer	11	4.925	0.175	0.027		Surcharged
RE271B	-	0	4.950	0.000	0.000		OK
DF269	15 min Summer	11	4.925	0.100	0.737		OK
PS69	15 min Summer	11	4.925	0.375	1.203		Surcharged
S59	15 min Summer	11	4.925	1.075	127.671		Surcharged
GY285A	-	0	4.850	0.000	0.000		OK
PS466	-	0	4.975	0.000	0.000		OK
PS465	-	0	4.600	0.000	0.000		OK
GY283A	-	0	4.750	0.000	0.000		OK
ACO283	-	0	4.745	0.000	0.000		OK
PS463	-	0	4.775	0.000	0.000		OK
PS459	30 min Summer	20	4.549	0.099	0.000		OK
RE284A	-	0	5.025	0.000	0.000		OK
PS460	30 min Summer	20	4.548	0.198	0.245		Surcharged
RE272A	-	0	4.775	0.000	0.000		OK
YG273	-	0	4.670	0.000	0.000		OK
RWP273B	-	0	4.925	0.000	0.000		OK
PS575	-	0	4.565	0.000	0.000		OK
RE273A	-	0	4.875	0.000	0.000		OK
PS576	30 min Summer	20	4.548	0.098	0.000		OK
S157	30 min Summer	20	4.548	0.800	123.119		Surcharged
RWP278A	-	0	4.485	0.000	0.000		OK
RE278	-	0	4.450	0.000	0.000		OK
PS563	-	0	4.300	0.000	0.000		OK
RWP278B	-	0	4.485	0.000	0.000		OK
RE278B	-	0	4.450	0.000	0.000		OK
DF277	60 min Summer	41	4.373	0.023	2.591		OK
PS70	1440 min Winter	1394	4.251	0.151	0.031		Surcharged
DF282	60 min Summer	40	4.530	0.030	2.014		OK
PS65	60 min Summer	40	4.271	0.021	2.016		OK
S133	1440 min Winter	1394	4.251	0.606	1.169		Surcharged
S60	1440 min Winter	1394	4.251	0.647	1.191		Surcharged
RE279A	15 min Summer	10	4.765	0.180	0.101		Surcharged
PS436	15 min Summer	10	4.764	0.264	8.052		Surcharged
RE279B	-	0	4.500	0.000	0.000		OK
GY281	-	0	4.550	0.000	0.000		OK
PS439	1440 min Winter	1399	4.251	0.001	0.000		OK
PS437	1440 min Winter	1399	4.251	0.101	0.030		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S122	1440 min Winter	1394	4.251	0.326	0.006		Surcharged
S95	1440 min Winter	1394	4.251	0.411	0.064		Surcharged
S96	1440 min Winter	1396	4.251	0.676	1.232		Surcharged
S94	1440 min Winter	1396	4.251	0.801	1.331		Surcharged
S160	1440 min Winter	949	4.265	0.915	2.638		Surcharged
S159	1440 min Winter	1394	4.251	0.926	0.011		Surcharged
S62	1440 min Winter	1395	4.251	0.951	1.367		Surcharged
S100	1440 min Winter	1395	4.251	1.001	1.365		Surcharged
S63	15 min Summer	0	3.700	0.550	1.629		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	30 min Summer	23	RWP299A	RE299A	0.061	0.090	0.298	0.019	OK
1.001	30 min Summer	24	RE299A	PS211	0.093	0.128	0.864	0.122	OK
2.000	30 min Summer	23	ACO299	PS211	0.083	0.059	0.249	0.016	OK
3.000	30 min Summer	24	RWP299B	PS211	0.068	0.069	0.308	0.014	OK
1.002	30 min Summer	25	PS211	PS212	0.100	0.257	2.018	0.325	Surcharged
4.000	15 min Summer	15	RWP299C	PS212	0.066	0.043	0.184	0.008	OK
1.003	15 min Winter	16	PS212	PS210	0.100	0.373	2.930	0.436	Surcharged
5.000	15 min Summer	14	ACO300	RE300A	0.080	0.227	0.403	0.073	OK
6.000	15 min Summer	14	RWP300B	RE300A	0.065	0.170	0.570	0.031	OK
5.001	15 min Summer	15	RE300A	PS209	0.095	0.210	1.365	0.195	OK
5.002	15 min Winter	15	PS209	PS210	0.100	0.325	1.787	0.235	Surcharged
7.000	15 min Summer	14	RWP299D	PS210	0.067	0.080	0.395	0.015	OK
1.004	30 min Summer	17	PS210	S64	0.150	0.922	6.496	0.358	Surcharged
1.005	15 min Winter	9	S64	S65	0.225	0.663	11.306	0.235	OK
8.000	15 min Summer	0	ACO297	RE297A	0.000	0.000	0.000	0.000	OK
9.000	15 min Summer	0	RWP297A	RE297A	0.000	0.000	0.000	0.000	OK
8.001	15 min Summer	12	RE297A	PS216	0.006	0.000	0.000	0.000	OK
8.002	15 min Summer	13	PS216	PS214	0.056	0.022	0.095	0.015	OK
10.000	15 min Summer	0	ACO298	RE298A	0.000	0.000	0.000	0.000	OK
11.000	15 min Summer	0	RWP298A	RE298A	0.000	0.000	0.000	0.000	OK
10.001	15 min Summer	11	RE298A	PS214	0.050	0.000	0.000	0.000	OK
8.003	15 min Winter	12	PS214	S65	0.150	1.419	5.284	0.136	Surcharged
12.000	30 min Summer	27	S123	S65	0.150	0.899	5.483	0.240	Surcharged
1.006	15 min Winter	18	S65	S125	0.225	1.117	19.731	0.442	OK
13.000	60 min Summer	40	DF297	S125	0.085	1.273	2.103	0.037	OK
1.007	15 min Winter	21	S125	S68	0.225	0.882	32.274	0.724	OK
14.000	15 min Summer	11	RWP303A	PS351	0.055	0.158	0.300	0.043	OK
14.001	15 min Summer	10	PS351	PS352	0.080	0.891	4.931	0.796	OK
14.002	15 min Winter	11	PS352	PS354	0.100	0.871	4.532	0.721	Surcharged
15.000	15 min Summer	9	RE303A	PS354	0.079	1.146	5.597	0.668	OK
14.003	15 min Winter	10	PS354	S97	0.150	0.849	9.359	0.297	Surcharged
16.000	15 min Summer	10	RE306A	PS378	0.100	1.148	8.314	1.071	Surcharged
17.000	15 min Summer	9	RWP306B	PS378	0.050	0.000	0.000	0.000	OK
16.001	15 min Winter	10	PS378	PS39	0.100	1.136	7.609	0.976	Surcharged
18.000	15 min Summer	9	RE306B	PS39	0.050	0.000	0.000	0.000	OK
19.000	15 min Summer	13	DF306	PS39	0.109	0.864	1.659	0.057	OK
20.000	15 min Summer	8	RWP306A	PS39	0.050	0.000	0.000	0.000	OK
16.002	15 min Winter	8	PS39	S97	0.150	0.724	6.742	0.179	Surcharged
14.004	15 min Winter	18	S97	S67	0.150	0.718	11.187	0.741	Surcharged
21.000	15 min Summer	12	RE292A	PS387	0.050	0.000	0.000	0.000	OK
22.000	15 min Summer	17	DF293	PS387	0.089	0.919	1.601	0.033	OK
21.001	30 min Summer	24	PS387	PS35	0.150	0.694	2.674	0.126	Surcharged
21.002	15 min Winter	15	PS35	PS36	0.150	0.880	3.581	0.162	Surcharged
23.000	15 min Summer	14	RE291A	PS386	0.089	0.130	0.740	0.110	OK
23.001	15 min Winter	16	PS386	PS36	0.100	0.282	1.276	0.186	Surcharged
21.003	15 min Winter	15	PS36	S67	0.150	0.474	5.485	0.109	Surcharged
24.000	15 min Summer	13	S121	S67	0.093	0.645	2.459	0.050	OK
14.005	15 min Winter	7	S67	S68	0.150	1.747	28.332	1.006	Surcharged
1.008	15 min Winter	18	S68	S66	0.225	1.414	56.203	1.486	OK
1.009	15 min Winter	18	S66	S57	0.225	1.511	60.091	1.704	OK
25.000	15 min Summer	8	RWP266A	RE266A	0.018	0.000	0.000	0.000	OK
25.001	15 min Summer	8	RE266A	PS516	0.038	0.803	2.176	0.275	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
25.002	15 min Summer	8	PS516	PS850	0.032	0.978	2.158	0.312	OK
26.000	15 min Summer	8	RE266B	PS850	0.013	0.000	0.000	0.000	OK
27.000	15 min Summer	8	ACO266A	PS850	0.013	0.000	0.000	0.000	OK
25.003	15 min Summer	10	PS850	PS521	0.050	1.384	2.147	0.139	OK
28.000	15 min Summer	10	GY267	PS521	0.063	0.000	0.000	0.000	OK
29.000	15 min Summer	10	RWP266B	PS521	0.038	0.000	0.000	0.000	OK
30.000	15 min Summer	10	PS523	PS521	0.038	0.000	0.000	0.000	OK
25.004	15 min Summer	11	PS521	PS518	0.138	0.805	2.881	0.193	OK
31.000	15 min Summer	10	RE266C	PS518	0.050	0.000	0.000	0.000	OK
25.005	30 min Summer	19	PS518	S56	0.150	0.902	3.940	0.093	Surcharged
25.006	15 min Winter	8	S56	S57	0.225	1.343	39.704	0.556	OK
1.010	15 min Winter	16	S57	S58	0.300	1.033	73.029	1.142	Surcharged
32.000	15 min Summer	10	RE288B	PS481	0.050	0.000	0.000	0.000	OK
32.001	30 min Summer	22	PS481	PS58	0.100	0.204	1.229	0.183	Surcharged
33.000	15 min Summer	9	RE288A	PS58	0.050	0.000	0.000	0.000	OK
34.000	60 min Summer	42	DF290	PS58	0.086	1.697	3.089	0.047	OK
32.002	15 min Winter	15	PS58	S58	0.150	1.241	5.562	0.117	Surcharged
35.000	15 min Summer	0	PS851	RE268A	0.000	0.000	0.000	0.000	OK
35.001	15 min Summer	0	RE268A	PS494	0.000	0.000	0.000	0.000	OK
36.000	15 min Summer	0	RWP268G	PS494	0.000	0.000	0.000	0.000	OK
35.002	15 min Summer	11	PS494	PS495	0.073	0.000	0.000	0.000	OK
35.003	15 min Summer	13	PS495	PS496	0.148	0.088	1.129	0.050	OK
37.000	15 min Summer	8	RWP268B	RE268B	0.011	0.000	0.000	0.000	OK
37.001	15 min Summer	11	RE268B	PS492	0.056	0.941	1.212	0.107	OK
38.000	15 min Summer	0	RWP268A	PS852	0.000	0.000	0.000	0.000	OK
39.000	15 min Summer	0	GY268A	PS852	0.000	0.000	0.000	0.000	OK
40.000	15 min Summer	0	RWP268D	PS852	0.000	0.000	0.000	0.000	OK
38.001	15 min Summer	11	PS852	PS492	0.073	0.000	0.000	0.000	OK
37.002	15 min Summer	13	PS492	PS496	0.148	0.722	2.088	0.087	OK
35.004	15 min Winter	13	PS496	S58	0.150	0.681	3.689	0.148	Surcharged
1.011	15 min Winter	16	S58	S59	0.300	1.184	83.700	1.326	Surcharged
41.000	15 min Summer	11	RE287A	PS469	0.050	0.000	0.000	0.000	OK
42.000	15 min Summer	11	RE285B	PS469	0.050	0.000	0.000	0.000	OK
41.001	15 min Summer	13	PS469	PS63	0.100	0.261	1.472	0.241	Surcharged
43.000	15 min Summer	9	RE285A	PS63	0.050	0.000	0.000	0.000	OK
44.000	30 min Summer	23	PS62(D)	PS63	0.150	0.667	3.414	0.123	Surcharged
41.002	30 min Summer	23	PS63	PS61	0.150	0.464	4.814	0.292	Surcharged
45.000	15 min Summer	17	DF287	PS60	0.094	0.932	1.797	0.047	OK
45.001	30 min Summer	22	PS60	PS61	0.150	0.694	3.051	0.128	Surcharged
41.003	15 min Winter	14	PS61	S59	0.150	0.945	8.488	0.348	Surcharged
46.000	15 min Summer	12	RE274A	PS585	0.057	0.066	0.064	0.010	OK
46.001	15 min Winter	14	PS585	PS69	0.100	0.247	1.332	0.198	Surcharged
47.000	15 min Summer	8	RE271B	PS69	0.050	0.000	0.000	0.000	OK
48.000	15 min Summer	12	DF269	PS69	0.125	1.321	2.257	0.048	OK
46.002	15 min Winter	14	PS69	S59	0.150	1.126	5.107	0.088	Surcharged
1.012	15 min Winter	10	S59	S157	0.300	1.834	129.607	2.027	Surcharged
49.000	15 min Summer	0	GY285A	PS465	0.000	0.000	0.000	0.000	OK
50.000	15 min Summer	0	PS466	PS465	0.000	0.000	0.000	0.000	OK
49.001	30 min Summer	20	PS465	PS459	0.050	0.000	0.000	0.000	OK
51.000	30 min Summer	20	GY283A	PS459	0.050	0.000	0.000	0.000	OK
52.000	30 min Summer	20	ACO283	PS459	0.025	0.000	0.000	0.000	OK
53.000	30 min Summer	20	PS463	PS459	0.025	0.000	0.000	0.000	OK
49.002	30 min Summer	22	PS459	PS460	0.125	0.140	1.163	0.070	OK
54.000	15 min Summer	0	RE284A	PS460	0.000	0.000	0.000	0.000	OK
49.003	30 min Summer	22	PS460	S157	0.150	0.104	1.840	0.036	Surcharged
55.000	15 min Summer	0	RE272A	PS575	0.000	0.000	0.000	0.000	OK
56.000	15 min Summer	0	YG273	PS575	0.000	0.000	0.000	0.000	OK
57.000	15 min Summer	0	RWP273B	PS575	0.000	0.000	0.000	0.000	OK
55.001	30 min Summer	20	PS575	PS576	0.049	0.000	0.000	0.000	OK
58.000	30 min Summer	20	RE273A	PS576	0.024	0.000	0.000	0.000	OK
55.002	30 min Summer	22	PS576	S157	0.124	0.050	0.637	0.008	OK
1.013	15 min Winter	12	S157	S133	0.300	1.775	125.488	1.963	Surcharged
59.000	15 min Summer	0	RWP278A	RE278	0.000	0.000	0.000	0.000	OK
59.001	15 min Summer	0	RE278	PS563	0.000	0.000	0.000	0.000	OK
59.002	1440 min Winter	1374	PS563	PS70	0.050	0.000	0.000	0.000	OK
60.000	15 min Summer	0	RWP278B	RE278B	0.000	0.000	0.000	0.000	OK
60.001	1440 min Winter	1374	RE278B	PS70	0.050	0.000	0.000	0.000	OK
61.000	1440 min Winter	1373	DF277	PS70	0.076	0.793	0.268	0.005	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
59.003	1440 min Winter	1374	PS70	S133	0.150	0.764	0.343	0.006	Surcharged
62.000	60 min Summer	40	DF282	PS65	0.026	1.006	2.016	0.079	OK
62.001	60 min Summer	40	PS65	S133	0.086	0.193	2.016	0.044	OK
1.014	15 min Winter	12	S133	S60	0.300	1.818	128.510	2.009	Surcharged
1.015	15 min Winter	12	S60	S96	0.300	1.859	130.441	2.045	Surcharged
63.000	15 min Winter	12	RE279A	PS436	0.100	0.184	1.225	0.192	Surcharged
63.001	15 min Summer	10	PS436	PS437	0.094	1.029	7.898	1.298	OK
64.000	15 min Summer	0	RE279B	PS439	0.000	0.000	0.000	0.000	OK
65.000	1440 min Winter	1399	GY281	PS439	0.000	0.000	0.000	0.000	OK
64.001	1440 min Winter	1399	PS439	PS437	0.051	0.000	0.002	0.000	OK
63.002	1440 min Winter	1399	PS437	S96	0.125	0.853	0.399	0.007	OK
66.000	1440 min Winter	969	S122	S95	0.150	0.015	0.245	0.016	Surcharged
66.001	15 min Winter	10	S95	S96	0.150	1.038	17.712	1.202	Surcharged
1.016	30 min Winter	20	S96	S94	0.300	2.156	141.183	1.054	Surcharged
1.017	30 min Summer	17	S94	S62	0.300	3.013	170.013	1.087	Surcharged
67.000	1440 min Summer	881	S160	S159	0.375	0.075	8.279	0.071	Surcharged
67.001	1440 min Winter	943	S159	S62	0.375	0.131	14.478	0.130	Surcharged
1.018	960 min Summer	423	S62	S100	0.300	0.057	4.011	0.034	Surcharged
1.019	600 min Winter	349	S100	S63	0.225	0.042	1.650	0.021	OK

Permeable Paving Storage

Permeable Paving	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
Permeable Paving16	60 min Summer	43	5.333	0.070	4.611		OK
Permeable Paving17	60 min Summer	40	5.515	0.045	2.053		OK
Permeable Paving24	30 min Summer	24	5.728	0.041	1.764		OK
Permeable Paving25	30 min Summer	24	5.732	0.041	1.748		OK
Permeable Paving15	60 min Summer	41	5.854	0.052	2.590		OK
Permeable Paving35	60 min Summer	42	5.294	0.058	3.075		OK
Permeable Paving37	30 min Summer	23	5.068	0.035	1.351		OK
Permeable Paving36	60 min Summer	40	5.152	0.045	2.041		OK
Permeable Paving40	30 min Summer	24	5.060	0.042	1.873		OK
Permeable Paving41	60 min Summer	41	4.622	0.052	2.541		OK
Permeable Paving38	60 min Summer	39	4.725	0.044	2.092		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
RWP299A	30 min Summer	24	5.438	0.288	0.000		Flood Risk
RE299A	30 min Summer	24	5.437	0.337	0.145		Flood Risk
ACO299	30 min Summer	24	5.436	0.316	0.000		Flood Risk
RWP299B	30 min Summer	24	5.436	0.286	0.000		Flood Risk
PS211	30 min Summer	24	5.436	0.411	0.571		Flood Risk
RWP299C	30 min Summer	23	5.434	0.284	0.000		Flood Risk
PS212	30 min Summer	23	5.434	0.534	1.333		Surcharged
ACO300	30 min Summer	22	5.452	0.332	0.000		Flood Risk
RWP300B	30 min Summer	22	5.452	0.302	0.000		Surcharged
RE300A	30 min Summer	22	5.452	0.352	0.321		Surcharged
PS209	30 min Summer	22	5.447	0.497	0.476		Surcharged
RWP299D	30 min Summer	21	5.447	0.297	0.000		Surcharged
PS210	30 min Summer	21	5.447	0.657	5.931		Surcharged
S64	30 min Summer	20	5.453	0.828	5.792		Surcharged
ACO297	30 min Summer	21	5.461	0.116	0.000		Surcharged
RWP297A	30 min Summer	21	5.461	0.086	0.011		OK
RE297A	30 min Summer	21	5.461	0.161	0.015		Surcharged
PS216	30 min Summer	21	5.456	0.281	0.000		Surcharged
ACO298	30 min Summer	20	5.462	0.117	0.038		Surcharged
RWP298A	30 min Summer	20	5.462	0.087	0.056		OK
RE298A	30 min Summer	20	5.462	0.162	0.149		Surcharged
PS214	30 min Summer	20	5.456	0.456	2.860		Surcharged
S123	60 min Summer	41	5.423	0.473	0.417		Surcharged
S65	30 min Summer	20	5.453	0.978	10.491		Surcharged
DF297	15 min Summer	11	5.456	0.256	1.426		Surcharged
S125	30 min Summer	20	5.452	1.083	3.613		Surcharged
RWP303A	30 min Summer	20	5.880	0.230	0.000		Surcharged
PS351	30 min Summer	20	5.880	0.255	2.560		Surcharged
PS352	30 min Summer	20	5.846	0.421	2.615		Surcharged
RE303A	15 min Summer	10	5.919	0.269	6.513		Flood Risk
PS354	30 min Summer	20	5.825	0.575	5.948		Surcharged
RE306A	15 min Summer	10	6.197	0.547	9.741		Flood Risk
RWP306B	15 min Summer	12	5.931	0.256	0.000		Flood Risk
PS378	15 min Summer	12	5.931	0.531	5.962		Flood Risk
RE306B	30 min Summer	23	5.826	0.176	0.000		Surcharged
DF306	30 min Summer	23	5.827	0.327	1.769		Surcharged
RWP306A	30 min Summer	23	5.825	0.150	0.019		Surcharged
PS39	30 min Summer	23	5.825	0.725	5.109		Surcharged
S97	30 min Summer	23	5.821	0.918	8.139		Surcharged
RE292A	30 min Summer	22	5.799	0.249	0.000		Surcharged
DF293	30 min Summer	22	5.798	0.298	2.318		Surcharged
PS387	30 min Summer	22	5.798	0.428	2.559		Surcharged
PS35	30 min Summer	23	5.794	0.594	2.669		Surcharged
RE291A	30 min Summer	20	5.797	0.347	0.000		Surcharged
PS386	30 min Summer	20	5.796	0.496	0.233		Surcharged
PS36	30 min Summer	20	5.795	0.675	3.809		Surcharged
S121	30 min Summer	20	5.798	0.313	3.214		Surcharged
S67	30 min Summer	20	5.795	0.995	25.746		Surcharged
S68	30 min Summer	19	5.450	1.275	22.371		Surcharged
S66	15 min Summer	11	5.435	1.330	25.482		Surcharged
RWP266A	15 min Summer	11	5.670	0.120	0.419		Surcharged
RE266A	15 min Summer	11	5.670	0.170	1.489		Surcharged
PS516	15 min Summer	11	5.668	0.268	0.644		Surcharged
RE266B	15 min Summer	11	5.669	0.094	0.065		OK
ACO266A	15 min Summer	11	5.660	0.090	0.000		OK
PS850	15 min Summer	11	5.660	0.360	0.755		Surcharged
GY267	15 min Summer	11	5.652	0.202	0.000		Surcharged
RWP266B	15 min Summer	11	5.652	0.052	0.000		OK
PS523	15 min Summer	11	5.651	0.051	0.000		OK
PS521	15 min Summer	11	5.651	0.551	3.811		Surcharged
RE266C	-	0	5.700	0.000	0.000		OK
PS518	15 min Summer	10	5.662	0.637	9.071		Surcharged
S56	15 min Summer	10	5.673	0.998	57.687		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S57	15 min Summer	11	5.403	1.428	72.442		Surcharged
RE288B	30 min Summer	19	5.346	0.196	0.373		Surcharged
PS481	30 min Summer	19	5.343	0.443	0.586		Surcharged
RE288A	15 min Summer	11	5.344	0.119	0.000		Surcharged
DF290	30 min Summer	19	5.336	0.286	4.972		Surcharged
PS58	15 min Summer	11	5.338	0.638	7.665		Surcharged
PS851	-	0	5.375	0.000	0.000		OK
RE268A	15 min Summer	11	5.364	0.064	0.000		OK
RWP268G	-	0	5.375	0.000	0.000		OK
PS494	15 min Summer	11	5.362	0.262	1.331		Surcharged
PS495	15 min Summer	11	5.359	0.459	2.271		Surcharged
RWP268B	15 min Summer	9	5.377	0.002	0.000		OK
RE268B	15 min Summer	8	5.376	0.026	1.771		OK
RWP268A	-	0	5.375	0.000	0.000		OK
GY268A	15 min Summer	11	5.366	0.041	0.000		OK
RWP268D	-	0	5.375	0.000	0.000		OK
PS852	15 min Summer	11	5.365	0.190	0.518		Surcharged
PS492	15 min Summer	11	5.359	0.459	1.969		Surcharged
PS496	15 min Summer	11	5.354	0.554	4.965		Surcharged
S58	15 min Summer	11	5.347	1.417	95.092		Surcharged
RE287A	30 min Summer	21	5.189	0.189	0.075		Surcharged
RE285B	30 min Summer	21	5.189	0.164	0.001		Surcharged
PS469	30 min Summer	21	5.189	0.359	0.052		Surcharged
RE285A	30 min Summer	21	5.187	0.187	0.000		Surcharged
PS62(D)	30 min Summer	21	5.187	0.462	2.822		Surcharged
PS63	30 min Summer	21	5.185	0.535	3.169		Surcharged
DF287	30 min Summer	20	5.188	0.288	1.234		Surcharged
PS60	30 min Summer	20	5.187	0.437	1.242		Surcharged
PS61	30 min Summer	20	5.182	0.582	3.852		Surcharged
RE274A	15 min Summer	11	5.201	0.276	0.217		Flood Risk
PS585	30 min Summer	19	5.194	0.444	0.239		Flood Risk
RE271B	30 min Summer	19	5.187	0.237	0.083		Surcharged
DF269	30 min Summer	20	5.181	0.356	3.524		Surcharged
PS69	30 min Summer	19	5.187	0.637	8.700		Surcharged
S59	15 min Summer	10	5.227	1.377	183.939		Flood Risk
GY285A	-	0	4.850	0.000	0.000		OK
PS466	-	0	4.975	0.000	0.000		OK
PS465	30 min Summer	20	4.781	0.181	0.000		Surcharged
GY283A	30 min Summer	20	4.781	0.031	0.000		OK
ACO283	30 min Summer	20	4.782	0.037	0.000		OK
PS463	30 min Summer	20	4.781	0.006	0.000		OK
PS459	30 min Summer	20	4.781	0.331	0.731		Surcharged
RE284A	-	0	5.025	0.000	0.000		OK
PS460	30 min Summer	20	4.780	0.430	0.911		Surcharged
RE272A	30 min Summer	21	4.781	0.006	0.000		OK
YG273	30 min Summer	20	4.780	0.110	0.016		OK
RWP273B	-	0	4.925	0.000	0.000		OK
PS575	30 min Summer	20	4.780	0.215	0.214		Surcharged
RE273A	-	0	4.875	0.000	0.000		OK
PS576	30 min Summer	20	4.779	0.329	0.163		Surcharged
S157	30 min Summer	20	4.779	1.031	132.010		Surcharged
RWP278A	1440 min Summer	1250	4.601	0.116	0.000		Surcharged
RE278	1440 min Summer	1228	4.601	0.151	0.000		Surcharged
PS563	1440 min Summer	1228	4.601	0.301	0.015		Surcharged
RWP278B	1440 min Summer	1227	4.601	0.116	0.000		Surcharged
RE278B	1440 min Summer	1227	4.601	0.151	0.015		Surcharged
DF277	1440 min Summer	1228	4.600	0.250	0.118		Surcharged
PS70	1440 min Summer	1227	4.600	0.500	0.068		Surcharged
DF282	1440 min Summer	1229	4.600	0.100	0.046		OK
PS65	1440 min Summer	1229	4.600	0.350	0.048		Surcharged
S133	1440 min Summer	1227	4.600	0.956	3.074		Surcharged
S60	1440 min Summer	1227	4.600	0.996	3.101		Surcharged
RE279A	15 min Summer	10	5.068	0.483	0.762		Flood Risk
PS436	15 min Summer	10	5.067	0.567	11.649		Flood Risk
RE279B	1440 min Summer	1244	4.601	0.101	0.000		Surcharged
GY281	1440 min Summer	1399	4.600	0.050	0.010		OK
PS439	1440 min Summer	1257	4.600	0.350	0.020		Surcharged
PS437	1440 min Summer	1309	4.600	0.450	0.086		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S122	1440 min Summer	1245	4.600	0.675	0.008		Surcharged
S95	1440 min Summer	1247	4.600	0.760	0.190		Surcharged
S96	1440 min Summer	1227	4.600	1.025	3.372		Surcharged
S94	1440 min Summer	1238	4.600	1.150	3.791	21.199	Flood
S160	720 min Winter	441	4.694	1.344	0.201		Surcharged
S159	1440 min Summer	1250	4.600	1.275	0.049	0.056	Flood
S62	1440 min Summer	1226	4.600	1.300	3.327	0.402	Flood
S100	1440 min Summer	1229	4.600	1.350	1.666		Flood Risk
S63	15 min Summer	0	3.700	0.550	1.590		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	24	RWP299A	RE299A	0.100	0.148	0.810	0.053	Surcharged
1.001	60 min Winter	57	RE299A	PS211	0.100	0.367	2.138	0.303	Surcharged
2.000	30 min Winter	38	ACO299	PS211	0.100	0.280	1.367	0.087	Surcharged
3.000	15 min Winter	24	RWP299B	PS211	0.100	0.154	0.867	0.039	Surcharged
1.002	15 min Winter	25	PS211	PS212	0.100	0.581	4.563	0.735	Surcharged
4.000	15 min Winter	23	RWP299C	PS212	0.100	0.225	1.276	0.054	Surcharged
1.003	15 min Winter	25	PS212	PS210	0.100	0.787	6.184	0.920	Surcharged
5.000	30 min Summer	37	ACO300	RE300A	0.100	0.309	1.301	0.237	Surcharged
6.000	120 min Summer	81	RWP300B	RE300A	0.100	0.532	2.166	0.120	Surcharged
5.001	30 min Winter	37	RE300A	PS209	0.100	0.410	2.619	0.374	Surcharged
5.002	15 min Winter	24	PS209	PS210	0.100	0.493	3.874	0.510	Surcharged
7.000	30 min Summer	36	RWP299D	PS210	0.100	0.240	1.145	0.044	Surcharged
1.004	15 min Winter	24	PS210	S64	0.150	0.953	10.591	0.583	Surcharged
1.005	15 min Winter	24	S64	S65	0.225	0.672	13.302	0.277	OK
8.000	30 min Summer	30	ACO297	RE297A	0.100	0.116	0.359	0.053	Surcharged
9.000	30 min Summer	28	RWP297A	RE297A	0.093	0.078	0.347	0.020	OK
8.001	15 min Winter	14	RE297A	PS216	0.100	0.158	1.241	0.193	Surcharged
8.002	15 min Winter	14	PS216	PS214	0.100	0.228	1.661	0.256	Surcharged
10.000	30 min Summer	30	ACO298	RE298A	0.100	0.127	0.346	0.048	Surcharged
11.000	30 min Summer	28	RWP298A	RE298A	0.093	0.150	0.631	0.034	OK
10.001	15 min Winter	13	RE298A	PS214	0.100	0.149	1.170	0.128	Surcharged
8.003	15 min Winter	9	PS214	S65	0.150	1.441	7.138	0.184	Surcharged
12.000	30 min Winter	35	S123	S65	0.150	1.063	10.996	0.481	Surcharged
1.006	30 min Winter	37	S65	S125	0.225	1.027	27.912	0.626	OK
13.000	30 min Summer	23	DF297	S125	0.150	0.962	3.494	0.061	Surcharged
1.007	15 min Winter	25	S125	S68	0.225	0.823	32.729	0.734	OK
14.000	30 min Summer	34	RWP303A	PS351	0.100	0.201	0.671	0.095	Surcharged
14.001	30 min Summer	16	PS351	PS352	0.100	0.913	6.172	0.996	Surcharged
14.002	15 min Winter	8	PS352	PS354	0.100	0.904	5.513	0.877	Surcharged
15.000	15 min Winter	9	RE303A	PS354	0.100	1.190	6.964	0.832	Surcharged
14.003	15 min Winter	8	PS354	S97	0.150	0.948	9.886	0.313	Surcharged
16.000	15 min Winter	8	RE306A	PS378	0.100	1.147	8.972	1.155	Surcharged
17.000	15 min Winter	14	RWP306B	PS378	0.100	0.108	0.717	0.028	Surcharged
16.001	30 min Summer	15	PS378	PS39	0.100	1.118	8.177	1.049	Surcharged
18.000	30 min Summer	34	RE306B	PS39	0.100	0.146	0.726	0.069	Surcharged
19.000	15 min Winter	19	DF306	PS39	0.150	0.801	5.297	0.181	Surcharged
20.000	30 min Winter	33	RWP306A	PS39	0.100	0.165	0.760	0.023	Surcharged
16.002	30 min Summer	33	PS39	S97	0.150	0.716	8.597	0.228	Surcharged
14.004	30 min Summer	34	S97	S67	0.150	0.743	13.126	0.870	Surcharged
21.000	30 min Summer	33	RE292A	PS387	0.100	0.222	0.840	0.120	Surcharged
22.000	60 min Winter	35	DF293	PS387	0.150	0.857	6.393	0.133	Surcharged
21.001	15 min Winter	18	PS387	PS35	0.150	0.606	5.562	0.263	Surcharged
21.002	15 min Winter	18	PS35	PS36	0.150	0.747	6.105	0.277	Surcharged
23.000	15 min Winter	23	RE291A	PS386	0.100	0.231	1.310	0.195	Surcharged
23.001	15 min Winter	23	PS386	PS36	0.100	0.327	2.568	0.375	Surcharged
21.003	30 min Summer	36	PS36	S67	0.150	0.486	8.585	0.171	Surcharged
24.000	30 min Summer	24	S121	S67	0.150	0.523	4.091	0.083	Surcharged
14.005	15 min Winter	6	S67	S68	0.150	1.731	28.861	1.025	Surcharged
1.008	15 min Winter	24	S68	S66	0.225	1.574	62.587	1.655	OK
1.009	15 min Winter	24	S66	S57	0.225	1.642	65.280	1.851	OK
25.000	15 min Summer	13	RWP266A	RE266A	0.100	0.210	1.374	0.087	Surcharged
25.001	30 min Summer	21	RE266A	PS516	0.100	0.862	3.406	0.431	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
25.002	15 min Winter	13	PS516	PS850	0.100	1.032	4.438	0.641	Surcharged
26.000	15 min Summer	12	RE266B	PS850	0.097	0.099	0.627	0.060	OK
27.000	15 min Summer	12	ACO266A	PS850	0.095	0.091	0.583	0.015	OK
25.003	15 min Winter	14	PS850	PS521	0.100	1.454	6.002	0.388	Surcharged
28.000	30 min Summer	20	GY267	PS521	0.150	0.134	2.277	0.043	Surcharged
29.000	15 min Summer	11	RWP266B	PS521	0.076	0.145	0.927	0.033	OK
30.000	15 min Summer	11	PS523	PS521	0.076	0.155	0.984	0.030	OK
25.004	15 min Winter	13	PS521	PS518	0.150	0.772	9.249	0.620	Surcharged
31.000	15 min Summer	8	RE266C	PS518	0.050	0.000	0.000	0.000	OK
25.005	15 min Winter	13	PS518	S56	0.150	0.686	10.928	0.257	Surcharged
25.006	15 min Winter	9	S56	S57	0.225	1.391	49.201	0.688	OK
1.010	15 min Winter	22	S57	S58	0.300	1.076	76.084	1.190	Surcharged
32.000	15 min Winter	16	RE288B	PS481	0.100	0.195	1.113	0.141	Surcharged
32.001	15 min Winter	16	PS481	PS58	0.100	0.292	2.291	0.340	Surcharged
33.000	30 min Summer	24	RE288A	PS58	0.100	0.101	0.551	0.053	Surcharged
34.000	30 min Summer	25	DF290	PS58	0.150	1.678	7.305	0.111	Surcharged
32.002	15 min Winter	16	PS58	S58	0.150	1.211	10.043	0.212	Surcharged
35.000	15 min Summer	11	PS851	RE268A	0.007	0.000	0.000	0.000	OK
35.001	15 min Summer	11	RE268A	PS494	0.107	0.099	1.331	0.038	OK
36.000	15 min Summer	10	RWP268G	PS494	0.050	0.000	0.000	0.000	OK
35.002	15 min Winter	16	PS494	PS495	0.150	0.121	1.379	0.046	Surcharged
35.003	15 min Winter	16	PS495	PS496	0.150	0.157	2.772	0.123	Surcharged
37.000	15 min Summer	9	RWP268B	RE268B	0.014	0.011	0.003	0.000	OK
37.001	15 min Summer	8	RE268B	PS492	0.063	1.025	1.741	0.154	OK
38.000	15 min Summer	10	RWP268A	PS852	0.050	0.000	0.000	0.000	OK
39.000	15 min Summer	11	GY268A	PS852	0.095	0.044	0.518	0.010	OK
40.000	15 min Summer	10	RWP268D	PS852	0.050	0.000	0.000	0.000	OK
38.001	30 min Summer	19	PS852	PS492	0.150	0.062	1.094	0.037	Surcharged
37.002	30 min Summer	19	PS492	PS496	0.150	0.748	2.428	0.101	Surcharged
35.004	15 min Winter	16	PS496	S58	0.150	0.707	5.762	0.231	Surcharged
1.011	15 min Winter	12	S58	S59	0.300	1.269	89.725	1.422	Surcharged
41.000	15 min Winter	17	RE287A	PS469	0.100	0.135	0.888	0.120	Surcharged
42.000	15 min Winter	17	RE285B	PS469	0.100	0.165	0.901	0.109	Surcharged
41.001	15 min Winter	18	PS469	PS63	0.100	0.396	2.722	0.446	Surcharged
43.000	15 min Winter	17	RE285A	PS63	0.100	0.200	1.096	0.112	Surcharged
44.000	15 min Winter	16	PS62(D)	PS63	0.150	0.703	6.358	0.229	Surcharged
41.002	15 min Winter	17	PS63	PS61	0.150	0.633	11.181	0.678	Surcharged
45.000	30 min Summer	25	DF287	PS60	0.150	0.954	5.235	0.138	Surcharged
45.001	15 min Winter	18	PS60	PS61	0.150	0.668	6.761	0.283	Surcharged
41.003	15 min Winter	18	PS61	S59	0.150	1.050	18.563	0.761	Surcharged
46.000	15 min Winter	17	RE274A	PS585	0.100	0.160	1.179	0.191	Surcharged
46.001	15 min Winter	18	PS585	PS69	0.100	0.337	2.647	0.394	Surcharged
47.000	15 min Winter	17	RE271B	PS69	0.100	0.217	1.229	0.140	Surcharged
48.000	15 min Winter	16	DF269	PS69	0.150	1.491	8.682	0.185	Surcharged
46.002	15 min Winter	17	PS69	S59	0.150	1.084	13.041	0.226	Surcharged
1.012	15 min Winter	9	S59	S157	0.300	2.079	146.967	2.299	Surcharged
49.000	15 min Summer	11	GY285A	PS465	0.075	0.000	0.000	0.000	OK
50.000	15 min Summer	11	PS466	PS465	0.050	0.000	0.000	0.000	OK
49.001	15 min Winter	17	PS465	PS459	0.150	0.091	0.949	0.043	Surcharged
51.000	30 min Summer	22	GY283A	PS459	0.091	0.034	0.339	0.006	OK
52.000	30 min Summer	22	ACO283	PS459	0.069	0.051	0.257	0.012	OK
53.000	30 min Summer	20	PS463	PS459	0.053	0.016	0.066	0.003	OK
49.002	15 min Winter	17	PS459	PS460	0.150	0.199	2.004	0.120	Surcharged
54.000	15 min Summer	0	RE284A	PS460	0.000	0.000	0.000	0.000	OK
49.003	15 min Winter	19	PS460	S157	0.150	0.181	3.207	0.062	Surcharged
55.000	30 min Summer	21	RE272A	PS575	0.053	0.011	0.046	0.006	OK
56.000	30 min Summer	24	YG273	PS575	0.130	0.042	0.407	0.009	OK
57.000	15 min Summer	10	RWP273B	PS575	0.050	0.000	0.000	0.000	OK
55.001	15 min Winter	16	PS575	PS576	0.150	0.186	1.360	0.080	Surcharged
58.000	15 min Summer	9	RE273A	PS576	0.050	0.000	0.000	0.000	OK
55.002	15 min Winter	17	PS576	S157	0.150	0.131	2.310	0.029	Surcharged
1.013	15 min Winter	11	S157	S133	0.300	1.889	133.524	2.089	Surcharged
59.000	1440 min Summer	1741	RWP278A	RE278	0.100	0.032	0.058	0.006	Surcharged
59.001	1440 min Summer	1741	RE278	PS563	0.100	0.018	0.110	0.016	Surcharged
59.002	1440 min Summer	1631	PS563	PS70	0.100	0.015	0.113	0.017	Surcharged
60.000	1440 min Summer	1639	RWP278B	RE278B	0.100	0.033	0.075	0.009	Surcharged
60.001	1440 min Summer	1639	RE278B	PS70	0.100	0.021	0.140	0.014	Surcharged
61.000	1440 min Summer	944	DF277	PS70	0.150	1.000	0.599	0.011	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
59.003	120 min Winter	71	PS70	S133	0.150	0.698	6.534	0.117	Surcharged
62.000	1440 min Summer	1229	DF282	PS65	0.125	0.632	0.427	0.017	OK
62.001	480 min Summer	346	PS65	S133	0.150	0.838	0.998	0.022	Surcharged
1.014	30 min Summer	22	S133	S60	0.300	2.001	141.411	2.210	Surcharged
1.015	30 min Summer	22	S60	S96	0.300	2.025	143.163	2.245	Surcharged
63.000	15 min Winter	14	RE279A	PS436	0.100	0.285	2.240	0.351	Surcharged
63.001	1440 min Summer	1225	PS436	PS437	0.100	0.560	0.907	0.149	Surcharged
64.000	1440 min Summer	1607	RE279B	PS439	0.100	0.015	0.109	0.017	Surcharged
65.000	1440 min Summer	1576	GY281	PS439	0.100	0.010	0.117	0.002	OK
64.001	1440 min Summer	1576	PS439	PS437	0.150	0.012	0.212	0.011	Surcharged
63.002	600 min Winter	438	PS437	S96	0.150	1.199	3.604	0.062	Surcharged
66.000	15 min Winter	12	S122	S95	0.150	0.132	2.329	0.156	Surcharged
66.001	15 min Winter	9	S95	S96	0.150	1.274	22.511	1.528	Surcharged
1.016	30 min Summer	19	S96	S94	0.300	2.367	167.310	1.249	Surcharged
1.017	15 min Winter	10	S94	S62	0.300	4.015	197.160	1.261	Surcharged
67.000	360 min Winter	227	S160	S159	0.375	0.333	36.787	0.317	Surcharged
67.001	360 min Winter	237	S159	S62	0.375	0.637	70.343	0.634	Surcharged
1.018	1440 min Summer	1072	S62	S100	0.300	0.056	3.977	0.034	Surcharged
1.019	1440 min Summer	1228	S100	S63	0.225	0.042	1.667	0.021	OK

Permeable Paving Storage

Permeable Paving	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
Permeable Paving16	60 min Summer	44	5.429	0.166	5.429		OK
Permeable Paving17	30 min Summer	23	5.531	0.060	3.089		OK
Permeable Paving24	30 min Summer	24	5.828	0.141	2.249		OK
Permeable Paving25	30 min Summer	23	5.801	0.110	2.525		OK
Permeable Paving15	60 min Summer	39	5.870	0.069	4.107		OK
Permeable Paving35	30 min Summer	23	5.337	0.101	5.381		OK
Permeable Paving37	30 min Summer	21	5.191	0.158	2.375		OK
Permeable Paving36	30 min Summer	22	5.196	0.089	3.538		OK
Permeable Paving40	30 min Summer	21	5.185	0.167	3.646		OK
Permeable Paving41	60 min Summer	39	4.638	0.068	4.029		OK
Permeable Paving38	30 min Summer	22	4.741	0.059	3.363		OK