

Network Details

Manhole Schedule

Manhole	Catchment Area (ha)	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
PS88	0.000	0.180	Type E	88.127	87.457	0.570	536390.097	139303.250
S65.7	0.000	0.450	Type E	88.101	87.138	0.813	536390.083	139304.676
PS842	0.000	0.180	Type E	88.122	87.501	0.521	536403.816	139303.342
S65.6	0.000	0.450	Type E	88.178	86.981	1.097	536400.677	139309.924
S65.5	0.000	0.450	Type D	88.225	86.848	1.277	536399.253	139313.412
PS850	0.000	0.180	Type E	88.140	87.397	0.643	536381.667	139319.688
S65.2	0.000	0.450	Type E	88.081	87.105	0.826	536381.831	139321.626
S65.1	0.000	0.450	Type D	88.103	86.697	1.256	536391.933	139326.889
S65	0.065	0.600	Type E	88.034	86.505	1.228	536394.742	139332.002
PS15	0.000	0.180	Type D	88.063	87.413	0.500	536365.623	139351.037
S62.2	0.000	0.450	Type D	88.124	87.015	0.959	536371.671	139366.978
S62.1	0.000	0.450	Type D	88.150	86.934	1.066	536377.078	139356.817
S62.3	0.000	0.450	Type E	88.171	86.884	1.137	536380.337	139355.531
S62	0.042	1.350	Type C	88.207	86.680	1.227	536384.806	139349.820
S63	0.124	1.200	Type B	88.203	86.350	1.553	536388.076	139342.800
0	0.000	0.180	Type E	88.575	87.904	0.521	536345.490	139299.045
S64.3	0.000	0.450	Type D	88.600	87.666	0.783	536338.283	139313.312
S64.2	0.000	0.450	Type D	88.454	87.567	0.737	536342.789	139316.252
PS834	0.000	0.180	Type E	88.477	87.937	0.440	536350.039	139330.491
S64.1	0.000	0.450	Type D	88.443	87.736	0.607	536342.326	139326.419
S64	0.000	1.200	Type B	88.452	86.026	2.144	536341.896	139320.678
S87	0.000	1.350	Type C	87.930	86.619	1.011	536308.100	139394.975
S49	0.054	1.350	Type B	88.543	86.482	1.761	536315.452	139363.331
S50.3	0.000	0.450	Type D	88.823	87.953	0.770	536317.292	139343.379
S50	0.042	1.200	Type B	88.748	86.382	2.066	536322.980	139345.573
PS6	0.000	0.180	Type E	88.640	88.040	0.500	536349.770	139342.484
PS5	0.000	0.180	Type E	88.643	88.043	0.500	536346.174	139349.391
S51.3	0.000	0.450	Type D	88.616	87.676	0.790	536345.441	139344.644
PS2	0.000	0.180	Type E	88.618	87.840	0.628	536331.968	139350.406
S51.2	0.000	0.450	Type D	88.687	87.339	1.197	536336.127	139337.939
S51.1	0.000	0.450	Type E	88.737	87.269	1.318	536335.230	139333.923
S51	0.000	1.200	Type B	88.660	86.223	2.137	536332.299	139330.551
S53	0.128	1.350	Type B	88.527	85.876	2.276	536329.971	139320.694
PS792	0.000	0.180	Type E	88.381	87.679	0.601	536283.867	139319.970
S54.2	0.000	0.450	Type E	88.559	87.509	0.950	536289.760	139308.838
PS795	0.000	0.180	Type E	88.332	87.732	0.500	536303.512	139327.316
S54.5	0.000	0.450	Type E	88.332	87.582	0.650	536305.003	139327.211
S54.3	0.000	0.450	Type E	88.338	87.210	1.028	536310.326	139317.121
PS794	0.000	0.180	Type E	88.347	87.594	0.603	536297.049	139326.201
S54.1	0.000	0.450	Type D	88.386	87.086	1.150	536303.024	139313.497
S54	0.109	1.350	Type B	88.342	85.688	2.279	536306.083	139307.345
1011	0.000	0.180	Type D	88.507	87.657	0.700	536296.247	139283.858
S85.3	0.000	0.450	Type E	88.245	87.026	1.069	536302.476	139272.095
PS220	0.000	0.180	Type E	88.238	87.599	0.489	536309.312	139287.005
S85.2	0.000	0.450	Type D	88.125	86.878	1.098	536314.088	139277.903
101	0.000	0.180	Type E	88.138	87.435	0.552	536321.130	139264.186
S85.1	0.000	0.450	Type E	88.097	86.742	1.205	536318.057	139270.508
S85	0.000	1.350	Type B	87.948	85.497	2.076	536323.378	139272.962
S55	0.000	1.350	Type B	88.177	85.334	2.393	536330.023	139259.913
PS872	0.000	0.180	Type E	88.541	87.941	0.500	536359.991	139238.090
PS871	0.000	0.180	Type E	88.545	87.939	0.506	536352.966	139236.051
S61.2	0.000	0.450	Type E	88.539	87.739	0.700	536355.998	139237.577
S61.1	0.000	0.450	Type D	88.674	87.648	0.926	536352.617	139248.349
PS870	0.000	0.180	Type E	88.468	87.868	0.500	536344.712	139233.940
S56.2	0.000	0.450	Type E	88.438	87.565	0.723	536342.990	139234.110
S56.1	0.000	0.450	Type D	88.550	87.343	1.057	536338.895	139244.946
S56	0.047	1.350	Type B	88.346	85.273	2.623	536332.883	139251.606
S57	0.131	1.350	Type B	88.185	85.189	2.546	536326.011	139247.963
S84	0.011	1.350	Type B	87.573	84.910	2.213	536329.154	139224.551
PS859	0.000	0.180	Type E	86.547	85.850	0.597	536285.892	139189.379
S60.4	0.000	0.450	Type E	86.534	85.634	0.750	536289.352	139189.989
PS861	0.000	0.180	Type E	86.593	85.843	0.600	536286.085	139176.161
S60.3	0.000	0.450	Type E	86.567	85.510	0.906	536294.483	139179.797
S60.2	0.000	0.450	Type D	86.509	85.410	0.949	536296.778	139175.983

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Manhole	Catchment Area (ha)	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
PS375	0.000	0.180	Type E	86.550	85.800	0.600	536301.889	139197.506
S60.1	0.000	0.450	Type D	86.563	85.230	1.183	536310.351	139181.991
S60	0.048	1.350	Type C	86.662	85.000	1.437	536319.691	139185.202
S58	0.051	1.350	Type C	86.415	84.523	1.466	536340.097	139193.327
S59	0.000	0.000	Type C	85.550	83.584	1.517	536344.304	139182.992
PS838	0.000	0.180	Type E	88.568	87.920	0.548	536356.607	139275.459
S38.5	0.000	0.450	Type E	88.628	87.584	0.895	536362.532	139264.067
PS252	0.000	0.180	Type E	88.276	87.526	0.600	536372.371	139279.524
S38.4	0.000	0.450	Type D	88.226	87.276	0.800	536377.564	139269.713
PS246	0.000	0.180	Type E	88.004	87.038	0.817	536385.426	139286.628
S38.1	0.000	0.450	Type D	87.961	86.961	0.900	536390.581	139276.189
S38.3	0.000	0.450	Type E	88.084	86.434	1.500	536385.455	139273.135
PS263	0.000	0.180	Type D	88.415	87.713	0.551	536373.444	139242.047
S37.3	0.000	0.450	Type D	88.434	87.413	0.871	536369.190	139254.547
S37	0.109	1.350	Type C	88.322	86.822	1.200	536373.009	139261.425
PS271	0.000	0.180	Type D	88.331	87.581	0.600	536384.989	139244.883
S38.7	0.000	0.450	Type D	88.254	87.274	0.830	536380.678	139257.299
PS873	0.000	0.180	Type E	88.267	87.699	0.418	536398.377	139247.818
S38.2	0.000	0.450	Type E	88.261	87.511	0.600	536394.596	139258.549
S38.6	0.000	0.450	Type E	88.222	87.064	1.008	536386.438	139261.440
S38	0.102	1.200	Type B	88.059	86.209	1.550	536388.155	139267.936
PS240	0.000	0.180	Type D	87.772	86.972	0.650	536406.211	139283.739
PS840	0.000	0.180	Type E	87.783	87.182	0.501	536412.074	139286.712
S39.1	0.000	0.450	Type D	87.732	86.621	1.011	536411.048	139285.431
S39	0.035	1.350	Type C	87.651	86.051	1.300	536413.544	139279.899
PS287	0.000	0.180	Type E	87.672	87.072	0.450	536412.285	139270.526
S40.1	0.000	0.450	Type D	87.413	86.463	0.800	536416.199	139263.073
PS881	0.000	0.180	Type E	87.259	86.637	0.522	536406.330	139252.603
S40.3	0.000	0.450	Type E	87.174	86.324	0.700	536408.214	139250.401
S40.2	0.000	0.450	Type D	87.252	86.102	1.000	536419.455	139254.386
S40	0.031	1.350	Type C	87.237	85.851	1.086	536425.466	139255.805
PS880	0.000	0.180	Type E	87.126	86.510	0.517	536410.352	139244.129
S41.2	0.000	0.450	Type E	87.065	86.115	0.800	536412.258	139241.883
S41.1	0.000	0.450	Type D	87.111	85.962	1.000	536422.944	139245.692
S41	0.029	1.350	Type C	87.111	85.507	1.229	536427.855	139246.671
S42	0.034	1.350	Type C	86.889	85.265	1.249	536436.506	139232.467
S43	0.000	1.350	Type C	86.791	85.155	1.261	536437.135	139225.668
S44	0.083	1.350	Type C	86.669	84.970	1.324	536432.257	139219.242
PS877	0.000	0.180	Type E	86.396	85.813	0.483	536388.264	139225.947
S45.2	0.000	0.450	Type E	86.366	85.416	0.800	536391.423	139226.233
S45.1	0.000	0.450	Type D	86.281	85.131	1.000	536395.040	139213.656
S45	0.046	1.350	Type C	86.287	84.580	1.332	536394.869	139207.355
PS330	0.000	0.180	Type E	86.594	85.844	0.600	536358.983	139219.291
S46.3	0.000	0.450	Type D	86.585	85.535	0.900	536362.365	139208.400
PS319	0.000	0.180	Type E	86.559	85.857	0.552	536371.086	139223.237
PS327	0.000	0.180	Type E	86.436	85.736	0.550	536386.586	139212.765
S46.2	0.000	0.450	Type E	86.504	85.663	0.691	536380.050	139210.871
S46.1	0.000	0.450	Type D	86.540	85.386	1.004	536374.330	139210.789
S46.4	0.000	0.450	Type E	86.685	85.237	1.298	536371.625	139210.071
S46	0.004	1.350	Type B	86.552	84.412	1.765	536372.597	139204.559
S47	0.000	0.000	Type C	85.550	83.696	1.479	536364.081	139190.777
PS54	0.000	0.180	Type E	88.425	87.676	0.600	536254.833	139305.268
S66.2	0.000	0.450	Type D	88.387	87.456	0.781	536260.020	139294.686
PS789	0.000	0.180	Type E	88.494	87.793	0.601	536279.715	139317.789
S66.3	0.000	0.450	Type E	88.598	87.513	0.936	536285.214	139306.959
PS781	0.000	0.180	Type E	88.468	87.723	0.595	536269.359	139312.684
S66.1	0.000	0.450	Type E	88.542	87.289	1.103	536275.238	139301.698
S66.5	0.000	0.180	Type D	88.517	87.767	0.600	536288.392	139282.678
S66.4	0.000	0.450	Type D	88.505	87.369	0.987	536282.510	139290.661
S66	0.094	1.350	Type C	88.463	87.011	1.152	536279.355	139293.932
PS78	0.000	0.180	Type E	87.987	87.335	0.501	536186.202	139273.006
S77.2	0.000	0.450	Type E	87.786	86.994	0.642	536193.539	139258.091
PS948	0.000	0.180	Type E	87.860	87.123	0.637	536213.395	139246.645
S78.2	0.000	0.450	Type E	87.746	86.696	0.900	536202.162	139248.244
PS950	0.000	0.180	Type E	87.754	87.195	0.459	536194.406	139244.903
S78.1	0.000	0.450	Type E	87.888	86.696	1.042	536199.311	139247.818
S78	0.088	1.350	Type C	87.764	86.574	1.040	536196.921	139252.442
PS72	0.000	0.180	Type E	88.155	87.405	0.600	536207.983	139282.878

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Manhole	Catchment Area (ha)	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
S74.1	0.000	0.450	Type D	88.131	87.202	0.779	536214.224	139270.948
S74	0.044	1.350	Type C	88.126	86.465	1.361	536225.904	139267.181
PS60	0.000	0.180	Type E	88.134	87.381	0.603	536237.603	139295.448
S67.1	0.000	0.450	Type D	88.191	87.037	1.004	536242.607	139286.046
S67	0.219	1.350	Type C	88.080	86.260	1.370	536240.716	139274.393
PS812	0.000	0.180	Type E	87.452	86.852	0.500	536229.830	139248.575
PS149	0.000	0.180	Type E	87.578	86.987	0.491	536228.634	139250.650
S86.10	0.000	0.450	Type E	87.442	86.642	0.650	536234.375	139253.263
S86.9	0.000	0.450	Type D	87.671	86.581	0.940	536239.758	139255.841
PS815	0.000	0.180	Type E	87.101	86.555	0.446	536240.046	139228.123
PS817	0.000	0.180	Type E	86.999	86.397	0.502	536241.495	139226.264
S86.8	0.000	0.450	Type E	87.046	86.154	0.792	536246.623	139231.033
S86.7	0.000	0.450	Type D	87.247	86.102	0.994	536251.076	139233.480
PS813	0.000	0.180	Type E	87.267	86.617	0.500	536234.463	139238.494
S86.6	0.000	0.450	Type E	87.262	86.564	0.598	536243.531	139242.899
S86.5	0.000	0.450	Type E	87.387	86.019	1.218	536245.801	139243.913
PS182	0.000	0.180	Type D	87.386	86.682	0.554	536277.294	139244.658
S86.4	0.000	0.450	Type E	87.379	86.336	0.893	536267.018	139239.369
PS172	0.000	0.180	Type E	87.823	87.173	0.500	536265.327	139268.513
PS178	0.000	0.180	Type E	88.150	87.566	0.485	536249.312	139273.815
S86.3	0.000	0.450	Type D	87.826	86.826	0.900	536254.611	139263.396
PS822	0.000	0.180	Type E	87.665	87.015	0.500	536271.787	139256.780
S86.2	0.000	0.450	Type E	87.672	86.922	0.650	536263.050	139252.394
S86.1	0.000	0.450	Type E	87.633	86.228	1.254	536260.689	139251.546
S86	0.000	1.350	Type C	87.557	85.819	1.460	536254.031	139248.059
S76.5	0.000	0.450	Type D	88.068	87.015	0.904	536305.309	139256.221
PS208	0.000	0.180	Type E	88.165	87.022	0.993	536318.128	139251.779
S76.4	0.000	0.450	Type D	88.000	86.900	0.950	536309.677	139247.454
S76.3	0.000	0.450	Type D	87.966	86.459	1.357	536304.647	139245.092
S76.2	0.000	0.600	Type E	87.874	87.124	0.525	536293.123	139252.062
PS855	0.000	0.180	Type E	87.631	86.875	0.606	536309.675	139222.892
PS438	0.000	0.180	Type E	87.907	87.231	0.525	536313.996	139237.605
S76.1	0.000	0.450	Type D	87.668	86.518	1.000	536304.858	139233.178
S76	0.141	1.350	Type C	87.632	86.000	1.407	536300.838	139235.653
PS409	0.000	0.180	Type E	86.818	86.068	0.600	536267.291	139201.054
S68.3	0.000	0.450	Type D	86.833	85.769	0.914	536262.363	139211.463
PS853	0.000	0.180	Type E	86.933	86.344	0.489	536273.324	139203.328
S68.2	0.000	0.450	Type E	86.939	86.089	0.700	536275.900	139205.129
S68.1	0.000	0.450	Type D	87.041	85.678	1.212	536270.594	139215.391
S68	0.174	1.500	Type C	87.049	85.210	1.314	536268.610	139219.227
S79	0.099	1.350	Type C	87.305	85.930	1.075	536191.108	139231.234
S69	0.040	1.500	Type C	86.474	84.690	1.259	536211.428	139190.495
S70.2	0.001	0.450	Type E	86.490	84.940	1.400	536226.334	139174.745
S70	0.019	1.500	Type B	86.453	84.270	1.658	536222.567	139169.970
S71	0.044	1.500	Type B	86.295	83.840	1.930	536231.768	139148.105
PS883	0.000	0.180	Type E	86.665	86.072	0.493	536274.622	139183.427
S72.4	0.000	0.450	Type E	86.614	85.764	0.700	536270.472	139180.432
PS857	0.000	0.180	Type E	86.642	85.892	0.600	536285.270	139175.140
S72.3	0.000	0.450	Type E	86.639	85.370	1.119	536275.647	139170.094
S72.2	0.000	0.450	Type D	86.611	85.270	1.191	536276.926	139167.581
PS386	0.000	0.180	Type E	86.446	85.703	0.592	536257.132	139174.375
S72.1	0.000	0.450	Type D	86.523	84.690	1.683	536263.405	139160.929
S72	0.045	1.500	Type B	86.435	83.640	2.270	536251.188	139155.070
S73	0.000	0.000	Type B	85.550	83.460	1.565	536256.404	139143.922
S80	0.000	0.000	Type B	85.550	83.400	1.775	536272.021	139143.025
S81	0.000	1.500	Type B	85.550	82.372	2.878	536274.359	139135.952
S82	0.000	1.350	Type C	82.020	81.570	0.150	536272.068	139108.990

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	PS88	87.457	S65.7	87.188	Circ	0.1mØ	1.426	5.3	0.600	0.570	0.813
1.001	S65.7	87.138	S65.6	86.981	Circ	0.15mØ	11.822	75.1	0.600	0.813	1.047
2.000	PS842	87.501	S65.6	86.981	Circ	0.1mØ	7.292	14.0	0.600	0.521	1.097
1.002	S65.6	86.981	S65.5	86.848	Circ	0.1mØ	3.768	28.5	0.600	1.097	1.277

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)
1.003	S65.5	86.848	S65.1	86.697	Circ	0.15mØ	15.337	101.4	0.600	1.227	1.256
3.000	PS850	87.397	S65.2	87.155	Circ	0.1mØ	1.945	8.1	0.600	0.643	0.826
3.001	S65.2	87.105	S65.1	86.697	Circ	0.15mØ	11.391	27.9	0.600	0.826	1.256
1.004	S65.1	86.697	S65	86.655	Circ	0.15mØ	5.834	139.9	0.600	1.256	1.228
1.005	S65	86.505	S63	86.350	Circ	0.3mØ	12.691	81.8	0.600	1.228	1.553
4.000	PS15	87.413	S62.1	86.934	Circ	0.15mØ	12.830	26.8	0.600	0.500	1.066
5.000	S62.2	87.015	S62.1	86.934	Circ	0.15mØ	11.510	141.2	0.600	0.959	1.066
4.001	S62.1	86.934	S62.3	86.884	Circ	0.15mØ	3.504	70.3	0.600	1.066	1.137
4.002	S62.3	86.884	S62	86.830	Circ	0.15mØ	7.252	134.3	0.600	1.137	1.227
4.003	S62	86.680	S63	86.350	Circ	0.3mØ	7.744	23.5	0.600	1.227	1.553
1.006	S63	86.350	S64	86.026	Circ	0.3mØ	51.205	158.0	0.600	1.553	2.126
6.000	0	87.904	S64.3	87.666	Circ	0.15mØ	15.984	67.3	0.600	0.521	0.783
6.001	S64.3	87.666	S64.2	87.567	Circ	0.15mØ	5.380	54.3	0.600	0.783	0.737
6.002	S64.2	87.567	S64	86.158	Circ	0.15mØ	4.516	3.2	0.600	0.737	2.144
7.000	PS834	87.937	S64.1	87.736	Circ	0.1mØ	8.722	43.6	0.600	0.440	0.607
7.001	S64.1	87.736	S64	86.226	Circ	0.15mØ	5.758	3.8	0.600	0.557	2.076
1.007	S64	86.026	S53	85.951	Circ	0.3mØ	11.924	159.0	0.600	2.126	2.276
8.000	S87	86.619	S49	86.483	Circ	0.3mØ	32.488	238.0	0.600	1.011	1.761
8.001	S49	86.482	S50	86.382	Circ	0.3mØ	19.287	192.0	0.600	1.761	2.066
9.000	S50.3	87.953	S50	86.582	Circ	0.1mØ	6.097	4.4	0.600	0.770	2.066
8.002	S50	86.382	S51	86.223	Circ	0.3mØ	17.678	111.2	0.600	2.066	2.137
10.000	PS6	88.040	S51.3	87.726	Circ	0.1mØ	4.837	15.4	0.600	0.500	0.790
11.000	PS5	88.043	S51.3	87.726	Circ	0.1mØ	4.803	15.2	0.600	0.500	0.790
10.001	S51.3	87.676	S51.2	87.339	Circ	0.15mØ	11.477	34.1	0.600	0.790	1.197
12.000	PS2	87.840	S51.2	87.339	Circ	0.15mØ	13.142	26.3	0.600	0.628	1.197
10.002	S51.2	87.339	S51.1	87.269	Circ	0.15mØ	4.115	58.1	0.600	1.197	1.318
10.003	S51.1	87.269	S51	86.423	Circ	0.15mØ	4.468	5.3	0.600	1.318	2.087
8.003	S51	86.223	S53	85.951	Circ	0.3mØ	10.128	37.2	0.600	2.137	2.276
1.008	S53	85.876	S54	85.688	Circ	0.375mØ	27.365	145.6	0.600	2.276	2.279
13.000	PS792	87.679	S54.2	87.509	Circ	0.1mØ	12.596	74.0	0.600	0.601	0.950
13.001	S54.2	87.509	S54.1	87.136	Circ	0.15mØ	14.058	37.7	0.600	0.900	1.100
14.000	PS795	87.732	S54.5	87.582	Circ	0.1mØ	1.494	9.9	0.600	0.500	0.650
14.001	S54.5	87.582	S54.3	87.210	Circ	0.1mØ	11.408	30.7	0.600	0.650	1.028
14.002	S54.3	87.210	S54.1	87.136	Circ	0.15mØ	8.152	110.5	0.600	0.978	1.100
15.000	PS794	87.594	S54.1	87.086	Circ	0.15mØ	14.038	27.6	0.600	0.603	1.150
13.002	S54.1	87.086	S54	85.913	Circ	0.15mØ	6.870	5.9	0.600	1.150	2.279
1.009	S54	85.688	S85	85.497	Circ	0.375mØ	38.488	201.8	0.600	2.279	2.076
16.000	1011	87.657	S85.3	87.524	Circ	0.15mØ	13.310	100.0	0.600	0.700	0.570
16.001	S85.3	87.026	S85.2	86.878	Circ	0.15mØ	12.983	87.8	0.600	1.069	1.098
17.000	PS220	87.599	S85.2	86.878	Circ	0.15mØ	10.279	14.3	0.600	0.489	1.098
16.002	S85.2	86.878	S85.1	86.742	Circ	0.15mØ	8.392	61.8	0.600	1.098	1.205
18.000	101	87.435	S85.1	86.742	Circ	0.15mØ	7.030	10.1	0.600	0.552	1.205
16.003	S85.1	86.742	S85	85.772	Circ	0.15mØ	5.860	6.0	0.600	1.205	2.026
1.010	S85	85.497	S55	85.409	Circ	0.375mØ	14.643	165.8	0.600	2.076	2.393
1.011	S55	85.334	S56	85.273	Circ	0.45mØ	8.786	144.0	0.600	2.393	2.623
19.000	PS872	87.941	S61.2	87.739	Circ	0.1mØ	4.026	19.9	0.600	0.500	0.700
20.000	PS871	87.939	S61.2	87.739	Circ	0.1mØ	3.395	17.0	0.600	0.506	0.700
19.001	S61.2	87.739	S61.1	87.648	Circ	0.15mØ	11.290	123.5	0.600	0.650	0.876
19.002	S61.1	87.648	S56.1	87.393	Circ	0.15mØ	14.138	55.6	0.600	0.876	1.007
21.000	PS870	87.868	S56.2	87.615	Circ	0.1mØ	1.731	6.8	0.600	0.500	0.723
21.001	S56.2	87.565	S56.1	87.343	Circ	0.15mØ	11.584	52.3	0.600	0.723	1.057
19.003	S56.1	87.343	S56	85.573	Circ	0.15mØ	8.972	5.1	0.600	1.057	2.623
1.012	S56	85.273	S57	85.189	Circ	0.45mØ	7.778	92.6	0.600	2.623	2.546
1.013	S57	85.189	S84	84.910	Circ	0.45mØ	23.623	84.7	0.600	2.546	2.213
1.014	S84	84.910	S58	84.524	Circ	0.45mØ	33.086	85.7	0.600	2.213	1.441
22.000	PS859	85.850	S60.4	85.684	Circ	0.1mØ	3.514	21.1	0.600	0.597	0.750
22.001	S60.4	85.634	S60.3	85.510	Circ	0.15mØ	11.411	92.6	0.600	0.750	0.906
23.000	PS861	85.843	S60.3	85.561	Circ	0.15mØ	9.152	32.4	0.600	0.600	0.856
22.002	S60.3	85.510	S60.2	85.410	Circ	0.15mØ	4.451	44.3	0.600	0.906	0.949
22.003	S60.2	85.410	S60.1	85.230	Circ	0.15mØ	14.843	82.5	0.600	0.949	1.183
24.000	PS375	85.800	S60.1	85.230	Circ	0.15mØ	17.673	31.0	0.600	0.600	1.183
22.004	S60.1	85.230	S60	85.075	Circ	0.15mØ	9.877	63.7	0.600	1.183	1.437
22.005	S60	85.000	S58	84.724	Circ	0.225mØ	21.964	79.6	0.600	1.437	1.466
1.015	S58	84.523	S59	83.584	Circ	0.45mØ	11.158	11.9	0.600	1.442	1.517
1.016	S59	83.584	S80	83.400	Circ	0.45mØ	82.596	450.0	0.600	1.516	1.700
25.000	PS838	87.920	S38.5	87.634	Circ	0.1mØ	12.841	44.8	0.600	0.548	0.895
25.001	S38.5	87.584	S38.4	87.276	Circ	0.15mØ	16.058	52.2	0.600	0.895	0.800
26.000	PS252	87.526	S38.4	87.276	Circ	0.15mØ	11.100	44.4	0.600	0.600	0.800

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)
25.002	S38.4	87.276	S38.3	86.434	Circ	0.15mØ	8.600	10.2	0.600	0.800	1.500
27.000	PS246	87.038	S38.1	86.961	Circ	0.15mØ	11.642	152.4	0.600	0.817	0.850
27.001	S38.1	86.961	S38.3	86.434	Circ	0.15mØ	5.967	11.3	0.600	0.850	1.500
25.003	S38.3	86.434	S38	86.358	Circ	0.15mØ	5.858	77.6	0.600	1.500	1.550
28.000	PS263	87.713	S37.3	87.413	Circ	0.15mØ	13.204	44.0	0.600	0.551	0.871
28.001	S37.3	87.413	S37	86.972	Circ	0.15mØ	7.867	17.8	0.600	0.871	1.200
28.002	S37	86.822	S38	86.209	Circ	0.3mØ	16.487	26.9	0.600	1.200	1.550
29.000	PS271	87.581	S38.7	87.274	Circ	0.15mØ	13.143	42.8	0.600	0.600	0.830
29.001	S38.7	87.274	S38.6	87.064	Circ	0.15mØ	7.093	33.8	0.600	0.830	1.008
30.000	PS873	87.699	S38.2	87.511	Circ	0.15mØ	11.378	60.7	0.600	0.418	0.600
30.001	S38.2	87.511	S38.6	87.064	Circ	0.15mØ	8.656	19.4	0.600	0.600	1.008
29.002	S38.6	87.064	S38	86.358	Circ	0.15mØ	6.720	9.5	0.600	1.008	1.550
25.004	S38	86.209	S39	86.051	Circ	0.3mØ	28.066	178.2	0.600	1.550	1.300
31.000	PS240	86.972	S39.1	86.621	Circ	0.15mØ	5.124	14.6	0.600	0.650	0.961
32.000	PS840	87.182	S39.1	86.621	Circ	0.1mØ	1.642	2.9	0.600	0.501	1.011
31.001	S39.1	86.621	S39	86.201	Circ	0.15mØ	6.069	14.4	0.600	0.961	1.300
25.005	S39	86.051	S40	85.851	Circ	0.3mØ	26.882	134.6	0.600	1.300	1.086
33.000	PS287	87.072	S40.1	86.463	Circ	0.15mØ	8.418	13.8	0.600	0.450	0.800
33.001	S40.1	86.463	S40.2	86.102	Circ	0.15mØ	9.277	25.7	0.600	0.800	1.000
34.000	PS881	86.637	S40.3	86.374	Circ	0.1mØ	2.898	11.0	0.600	0.522	0.700
34.001	S40.3	86.324	S40.2	86.102	Circ	0.15mØ	11.926	53.7	0.600	0.700	1.000
33.002	S40.2	86.102	S40	86.051	Circ	0.15mØ	6.176	121.3	0.600	1.000	1.036
25.006	S40	85.851	S41	85.582	Circ	0.3mØ	9.442	35.1	0.600	1.086	1.229
35.000	PS880	86.510	S41.2	86.165	Circ	0.1mØ	2.945	8.5	0.600	0.517	0.800
35.001	S41.2	86.115	S41.1	85.962	Circ	0.15mØ	11.345	74.0	0.600	0.800	1.000
35.002	S41.1	85.962	S41	85.782	Circ	0.15mØ	5.008	28.0	0.600	1.000	1.179
25.007	S41	85.507	S42	85.265	Circ	0.375mØ	16.630	68.6	0.600	1.229	1.249
25.008	S42	85.265	S43	85.155	Circ	0.375mØ	6.829	62.1	0.600	1.249	1.261
25.009	S43	85.155	S44	84.970	Circ	0.375mØ	8.068	43.6	0.600	1.261	1.324
25.010	S44	84.970	S45	84.580	Circ	0.375mØ	39.232	100.6	0.600	1.324	1.332
36.000	PS877	85.813	S45.2	85.467	Circ	0.1mØ	3.172	9.2	0.600	0.483	0.800
36.001	S45.2	85.416	S45.1	85.131	Circ	0.15mØ	13.086	45.9	0.600	0.800	1.000
36.002	S45.1	85.131	S45	84.805	Circ	0.15mØ	6.303	19.3	0.600	1.000	1.332
25.011	S45	84.580	S46	84.412	Circ	0.375mØ	22.447	133.6	0.600	1.332	1.765
37.000	PS330	85.844	S46.3	85.535	Circ	0.15mØ	11.404	36.9	0.600	0.600	0.900
37.001	S46.3	85.535	S46.4	85.237	Circ	0.15mØ	9.410	31.6	0.600	0.900	1.298
38.000	PS319	85.857	S46.1	85.386	Circ	0.15mØ	12.864	27.3	0.600	0.552	1.004
39.000	PS327	85.736	S46.2	85.663	Circ	0.15mØ	6.805	93.1	0.600	0.550	0.691
39.001	S46.2	85.663	S46.1	85.386	Circ	0.15mØ	5.721	20.7	0.600	0.691	1.004
38.001	S46.1	85.386	S46.4	85.237	Circ	0.15mØ	2.798	18.8	0.600	1.004	1.298
37.002	S46.4	85.237	S46	84.687	Circ	0.15mØ	5.597	10.2	0.600	1.298	1.715
25.012	S46	84.412	S47	83.696	Circ	0.375mØ	16.201	22.6	0.600	1.765	1.479
25.013	S47	83.696	S80	83.400	Circ	0.375mØ	103.708	350.0	0.600	1.479	1.775
40.000	PS54	87.676	S66.2	87.456	Circ	0.15mØ	11.785	53.6	0.600	0.600	0.781
40.001	S66.2	87.456	S66.1	87.289	Circ	0.15mØ	16.755	100.7	0.600	0.781	1.103
41.000	PS789	87.793	S66.3	87.563	Circ	0.1mØ	12.146	52.7	0.600	0.601	0.936
41.001	S66.3	87.513	S66.1	87.339	Circ	0.15mØ	11.278	65.1	0.600	0.936	1.053
42.000	PS781	87.723	S66.1	87.447	Circ	0.15mØ	12.461	45.1	0.600	0.595	0.945
40.002	S66.1	87.289	S66	87.211	Circ	0.15mØ	8.790	112.3	0.600	1.103	1.102
43.000	S66.5	87.767	S66.4	87.369	Circ	0.15mØ	9.917	24.9	0.600	0.600	0.987
43.001	S66.4	87.369	S66	87.161	Circ	0.15mØ	4.544	21.9	0.600	0.987	1.152
40.003	S66	87.011	S67	86.410	Circ	0.3mØ	43.299	72.1	0.600	1.152	1.370
44.000	PS78	87.335	S77.2	86.994	Circ	0.15mØ	16.622	48.7	0.600	0.501	0.642
44.001	S77.2	86.994	S78	86.574	Circ	0.15mØ	6.583	15.6	0.600	0.642	1.040
45.000	PS948	87.123	S78.2	86.746	Circ	0.1mØ	11.347	30.1	0.600	0.637	0.900
45.001	S78.2	86.696	S78.1	86.696	Circ	0.15mØ	2.882	14410.8	0.600	0.900	1.042
46.000	PS950	87.195	S78.1	86.746	Circ	0.1mØ	5.706	12.7	0.600	0.459	1.042
45.002	S78.1	86.696	S78	86.624	Circ	0.15mØ	5.206	72.0	0.600	1.042	0.990
44.002	S78	86.574	S74	86.465	Circ	0.3mØ	32.515	300.0	0.600	0.890	1.361
47.000	PS72	87.405	S74.1	87.202	Circ	0.15mØ	13.464	66.3	0.600	0.600	0.779
47.001	S74.1	87.202	S74	86.812	Circ	0.15mØ	12.272	31.5	0.600	0.779	1.164
44.003	S74	86.465	S67	86.410	Circ	0.3mØ	16.475	300.0	0.600	1.361	1.370
48.000	PS60	87.381	S67.1	87.037	Circ	0.15mØ	10.651	31.0	0.600	0.603	1.004
48.001	S67.1	87.037	S67	86.645	Circ	0.15mØ	11.805	30.1	0.600	1.004	1.285
40.004	S67	86.260	S86	85.819	Circ	0.45mØ	29.509	66.8	0.600	1.370	1.289
49.000	PS812	86.852	S86.10	86.692	Circ	0.1mØ	6.529	40.9	0.600	0.500	0.650
50.000	PS149	86.987	S86.10	86.692	Circ	0.1mØ	6.307	21.4	0.600	0.491	0.650
49.001	S86.10	86.642	S86.9	86.581	Circ	0.15mØ	5.969	97.2	0.600	0.650	0.940

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)
49.002	S86.9	86.581	S86.5	86.019	Circ	0.15mØ	13.372	23.8	0.600	0.940	1.218
51.000	PS815	86.555	S86.8	86.154	Circ	0.1mØ	7.192	17.9	0.600	0.446	0.792
52.000	PS817	86.397	S86.8	86.154	Circ	0.1mØ	7.003	28.9	0.600	0.502	0.792
51.001	S86.8	86.154	S86.7	86.102	Circ	0.15mØ	5.081	97.9	0.600	0.742	0.994
51.002	S86.7	86.102	S86.5	86.019	Circ	0.15mØ	11.691	139.5	0.600	0.994	1.218
53.000	PS813	86.617	S86.6	86.564	Circ	0.15mØ	10.081	190.6	0.600	0.500	0.548
53.001	S86.6	86.564	S86.5	86.019	Circ	0.15mØ	2.486	4.6	0.600	0.548	1.218
49.003	S86.5	86.019	S86	85.947	Circ	0.15mØ	9.216	129.0	0.600	1.218	1.460
54.000	PS182	86.682	S86.4	86.336	Circ	0.15mØ	11.557	33.4	0.600	0.554	0.893
54.001	S86.4	86.336	S86.1	86.228	Circ	0.15mØ	13.723	127.3	0.600	0.893	1.254
55.000	PS172	87.173	S86.3	86.826	Circ	0.15mØ	11.875	34.2	0.600	0.500	0.850
56.000	PS178	87.566	S86.3	86.826	Circ	0.1mØ	11.688	15.8	0.600	0.485	0.900
55.001	S86.3	86.826	S86.1	86.228	Circ	0.15mØ	13.318	22.3	0.600	0.850	1.254
57.000	PS822	87.015	S86.2	86.922	Circ	0.15mØ	9.775	104.9	0.600	0.500	0.600
57.001	S86.2	86.922	S86.1	86.228	Circ	0.15mØ	2.509	3.6	0.600	0.600	1.254
54.002	S86.1	86.228	S86	86.169	Circ	0.15mØ	7.515	126.4	0.600	1.254	1.239
40.005	S86	85.819	S68	85.285	Circ	0.45mØ	32.308	60.5	0.600	1.289	1.314
58.000	S76.5	87.015	S76.4	86.900	Circ	0.15mØ	9.795	85.5	0.600	0.904	0.950
59.000	PS208	87.022	S76.4	86.900	Circ	0.15mØ	9.494	78.0	0.600	0.993	0.950
58.001	S76.4	86.900	S76.3	86.459	Circ	0.15mØ	5.557	12.6	0.600	0.950	1.357
58.002	S76.3	86.459	S76	86.075	Circ	0.15mØ	10.178	26.5	0.600	1.357	1.407
60.000	S76.2	87.124	S76	86.125	Circ	0.225mØ	18.132	18.2	0.600	0.525	1.282
61.000	PS855	86.875	S76.1	86.518	Circ	0.15mØ	11.359	31.9	0.600	0.606	1.000
62.000	PS438	87.231	S76.1	86.518	Circ	0.15mØ	10.154	14.2	0.600	0.525	1.000
61.001	S76.1	86.518	S76	86.075	Circ	0.15mØ	4.720	10.6	0.600	1.000	1.407
58.003	S76	86.000	S68	85.510	Circ	0.225mØ	36.173	73.8	0.600	1.407	1.314
63.000	PS409	86.068	S68.3	85.769	Circ	0.15mØ	11.517	38.6	0.600	0.600	0.914
63.001	S68.3	85.769	S68.1	85.678	Circ	0.15mØ	9.120	100.0	0.600	0.914	1.212
64.000	PS853	86.344	S68.2	86.139	Circ	0.1mØ	3.143	15.3	0.600	0.489	0.700
64.001	S68.2	86.089	S68.1	85.678	Circ	0.15mØ	11.552	28.1	0.600	0.700	1.212
63.002	S68.1	85.678	S68	85.635	Circ	0.15mØ	4.319	100.0	0.600	1.212	1.264
40.006	S68	85.210	S69	84.690	Circ	0.525mØ	63.995	123.1	0.600	1.314	1.259
65.000	S79	85.930	S69	84.915	Circ	0.3mØ	45.525	44.9	0.600	1.075	1.259
40.007	S69	84.690	S70	84.270	Circ	0.525mØ	23.353	55.6	0.600	1.259	1.658
66.000	S70.2	84.940	S70	84.695	Circ	0.15mØ	6.083	24.8	0.600	1.400	1.608
40.008	S70	84.270	S71	83.840	Circ	0.525mØ	23.722	55.2	0.600	1.658	1.930
40.009	S71	83.840	S72	83.640	Circ	0.525mØ	20.631	103.2	0.600	1.930	2.270
67.000	PS883	86.072	S72.4	85.814	Circ	0.1mØ	5.118	19.8	0.600	0.493	0.700
67.001	S72.4	85.764	S72.3	85.370	Circ	0.15mØ	11.560	29.3	0.600	0.700	1.119
68.000	PS857	85.892	S72.3	85.420	Circ	0.15mØ	10.866	23.0	0.600	0.600	1.069
67.002	S72.3	85.370	S72.2	85.270	Circ	0.15mØ	2.820	28.2	0.600	1.119	1.191
67.003	S72.2	85.270	S72.1	84.690	Circ	0.15mØ	15.068	26.0	0.600	1.191	1.683
69.000	PS386	85.703	S72.1	84.690	Circ	0.15mØ	14.838	14.6	0.600	0.592	1.683
67.004	S72.1	84.690	S72	84.015	Circ	0.15mØ	13.550	20.1	0.600	1.683	2.270
40.010	S72	83.640	S73	83.460	Circ	0.525mØ	12.307	68.4	0.600	2.270	1.565
40.011	S73	83.460	S80	83.400	Circ	0.525mØ	15.643	260.7	0.600	1.565	1.625
1.017	S80	83.400	S81	82.372	Circ	0.525mØ	7.449	7.2	0.600	1.625	2.653
1.018	S81	82.372	S82	81.570	Circ	0.3mØ	27.059	33.7	0.600	2.878	0.150

Outfall Details

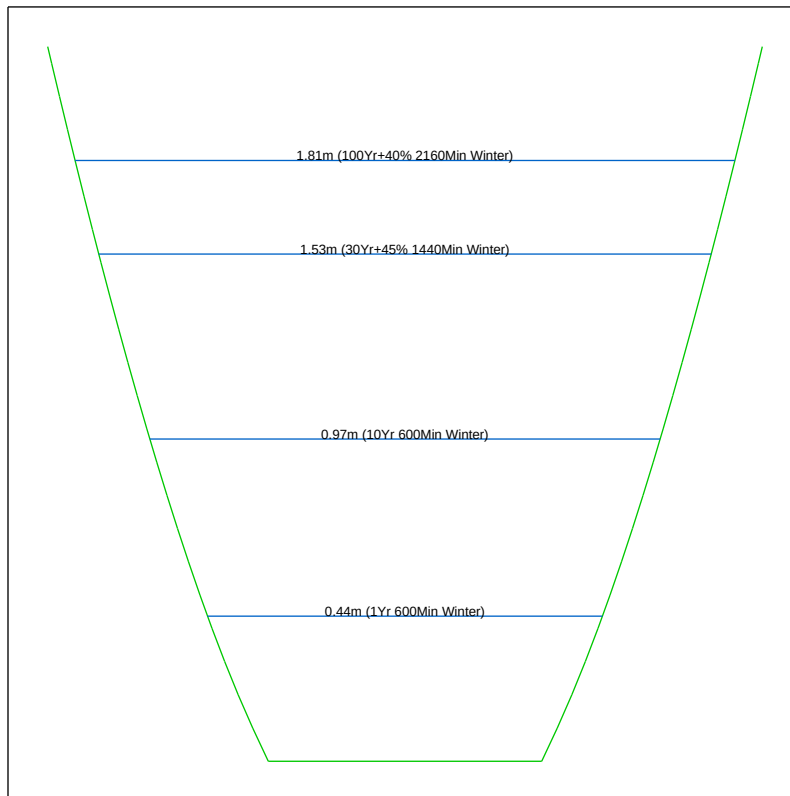
Outfall Manhole S82 : Free Discharge

Flow Control Details

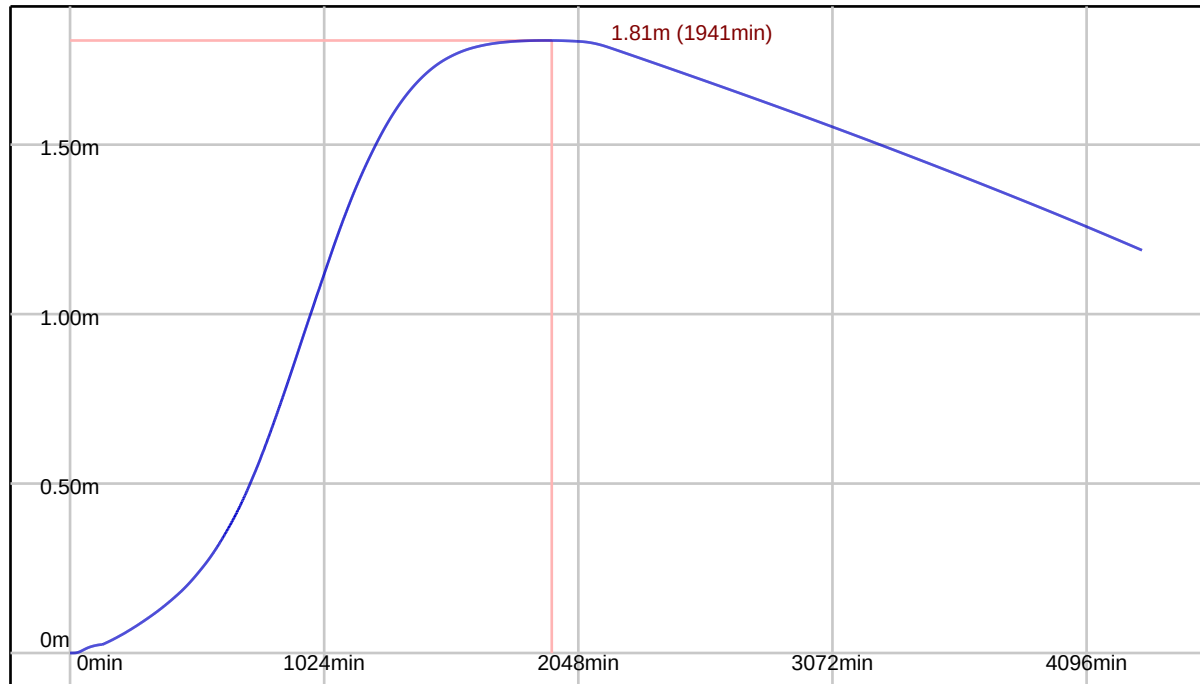
Pond Structure at Manhole S80

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
83.400	2.150	2509.927	85.250	0.300	0.00000000	0.00000000	2.00

Pond Depth/Area Diagram at S80



Pond at S80 (100Yr+40% 2160Min Winter)

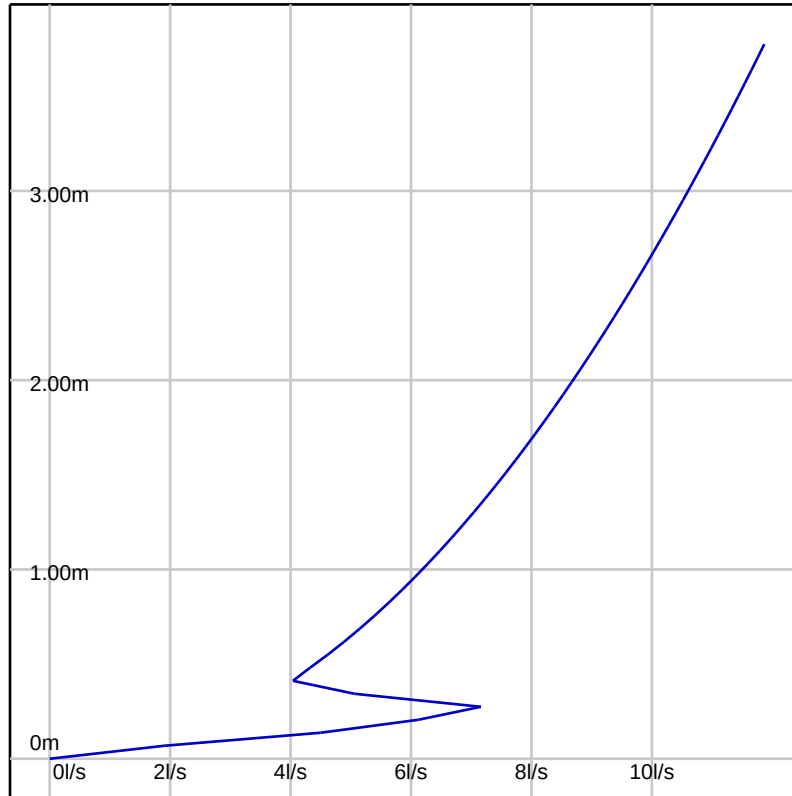


Controls within Manhole S81

Hydro-Brake® Optimum Control at Manhole S81

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)
CHE-0114-1090-3178-1090	3.178	10.900	0.000	0.282	7.185	0.398	4.017

Hydro-Brake® Optimum Control at S81



Simulation Settings

FEH2022 (point): Filename=FEH_Point_Descriptors_536431_139371_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, 2160, 2880, 4320, 5760, 7200, 8640, 10080

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

Simulated Rainfall Events

Storm	Average Intensity (mm/hr)	Runoff Continuity %	Flow Continuity %	Storm	Average Intensity (mm/hr)	Runoff Continuity %	Flow Continuity %
1Yr 15Min Winter	14.655	0.00	0.48	30Yr+45% 15Min Summer	120.802	0.00	2.28
1Yr 15Min Summer	14.655	0.00	0.46	30Yr+45% 15Min Winter	120.802	0.00	2.23
1Yr 30Min Winter	9.670	0.00	0.29	30Yr+45% 30Min Summer	80.404	0.00	2.10
1Yr 30Min Summer	9.670	0.00	0.29	30Yr+45% 30Min Winter	80.404	0.00	2.07
1Yr 60Min Winter	6.099	0.00	0.20	30Yr+45% 60Min Summer	51.191	0.00	2.15
1Yr 60Min Summer	6.099	0.00	0.19	30Yr+45% 60Min Winter	51.191	0.00	2.19
1Yr 120Min Summer	5.111	0.00	0.19	30Yr+45% 120Min Summer	31.028	0.00	2.32
1Yr 120Min Winter	5.111	0.00	0.19	30Yr+45% 120Min Winter	31.028	0.00	2.32
1Yr 180Min Winter	4.405	0.00	0.18	30Yr+45% 180Min Summer	22.969	0.00	2.38
1Yr 180Min Summer	4.405	0.00	0.18	30Yr+45% 180Min Winter	22.969	0.00	2.31
1Yr 240Min Winter	3.718	0.00	0.15	30Yr+45% 240Min Summer	18.545	0.00	2.23
1Yr 240Min Summer	3.718	0.00	0.14	30Yr+45% 240Min Winter	18.545	0.00	2.23
1Yr 360Min Summer	2.960	0.00	0.08	30Yr+45% 360Min Summer	13.625	0.00	2.09
1Yr 360Min Winter	2.960	0.00	0.10	30Yr+45% 360Min Winter	13.625	0.00	2.06
1Yr 480Min Winter	2.497	0.00	0.07	30Yr+45% 480Min Summer	10.921	0.00	1.99
1Yr 480Min Summer	2.497	0.00	0.05	30Yr+45% 480Min Winter	10.921	0.00	1.96
1Yr 600Min Winter	2.154	0.00	0.08	30Yr+45% 600Min Summer	9.186	0.00	1.88
1Yr 600Min Summer	2.154	0.00	0.09	30Yr+45% 600Min Winter	9.186	0.00	1.86
1Yr 720Min Winter	1.898	0.00	-0.01	30Yr+45% 720Min Summer	7.968	0.00	1.72
1Yr 720Min Summer	1.898	0.00	0.00	30Yr+45% 720Min Winter	7.968	0.00	1.75
1Yr 960Min Summer	1.563	0.00	-0.01	30Yr+45% 960Min Summer	6.378	0.00	1.51
1Yr 960Min Winter	1.563	0.00	0.00	30Yr+45% 960Min Winter	6.378	0.00	1.55
1Yr 1440Min Summer	1.181	0.00	0.00	30Yr+45% 1440Min Summer	4.666	0.00	1.13
1Yr 1440Min Winter	1.181	0.00	0.00	30Yr+45% 1440Min Winter	4.666	0.00	1.20
1Yr 2160Min Summer	0.901	0.00	0.00	30Yr+45% 2160Min Summer	3.421	0.00	0.51
1Yr 2160Min Winter	0.901	0.00	0.00	30Yr+45% 2160Min Winter	3.421	0.00	0.65
1Yr 2880Min Winter	0.753	0.00	0.00	30Yr+45% 2880Min Summer	2.747	0.00	0.22
1Yr 2880Min Summer	0.753	0.00	0.00	30Yr+45% 2880Min Winter	2.747	0.00	0.19
1Yr 4320Min Summer	0.595	0.00	0.00	30Yr+45% 4320Min Summer	2.030	0.00	0.18
1Yr 4320Min Winter	0.595	0.00	0.00	30Yr+45% 4320Min Winter	2.030	0.00	0.16
1Yr 5760Min Summer	0.510	0.00	0.00	30Yr+45% 5760Min Summer	1.649	0.00	0.14
1Yr 5760Min Winter	0.510	0.00	0.00	30Yr+45% 5760Min Winter	1.649	0.00	0.15
1Yr 7200Min Winter	0.457	0.00	0.00	30Yr+45% 7200Min Summer	1.413	0.00	0.15
1Yr 7200Min Summer	0.457	0.00	0.00	30Yr+45% 7200Min Winter	1.413	0.00	0.12
1Yr 8640Min Summer	0.422	0.00	0.00	30Yr+45% 8640Min Summer	1.252	0.00	0.13
1Yr 8640Min Winter	0.422	0.00	0.00	30Yr+45% 8640Min Winter	1.252	0.00	0.12
1Yr 10080Min Summer	0.397	0.00	0.00	30Yr+45% 10080Min Summer	1.135	0.00	0.11
1Yr 10080Min Winter	0.397	0.00	0.00	30Yr+45% 10080Min Winter	1.135	0.00	0.11
10Yr 15Min Summer	63.477	0.00	1.35	100Yr+40% 15Min Summer	147.696	0.00	2.34
10Yr 15Min Winter	63.477	0.00	1.16	100Yr+40% 15Min Winter	147.696	0.00	2.37
10Yr 30Min Summer	41.739	0.00	1.11	100Yr+40% 30Min Summer	99.170	0.00	2.17
10Yr 30Min Winter	41.739	0.00	0.93	100Yr+40% 30Min Winter	99.170	0.00	2.27
10Yr 60Min Summer	26.423	0.00	1.09	100Yr+40% 60Min Summer	63.585	0.00	2.31
10Yr 60Min Winter	26.423	0.00	1.20	100Yr+40% 60Min Winter	63.585	0.00	2.35
10Yr 120Min Summer	16.583	0.00	1.43	100Yr+40% 120Min Summer	37.771	0.00	2.31
10Yr 120Min Winter	16.583	0.00	1.47	100Yr+40% 120Min Winter	37.771	0.00	2.31
10Yr 180Min Summer	12.526	0.00	1.48	100Yr+40% 180Min Summer	27.661	0.00	2.21
10Yr 180Min Winter	12.526	0.00	1.32	100Yr+40% 180Min Winter	27.661	0.00	2.24
10Yr 240Min Summer	10.135	0.00	1.35	100Yr+40% 240Min Summer	22.356	0.00	2.11
10Yr 240Min Winter	10.135	0.00	1.20	100Yr+40% 240Min Winter	22.356	0.00	2.15
10Yr 360Min Winter	7.498	0.00	1.00	100Yr+40% 360Min Summer	16.427	0.00	2.04
10Yr 360Min Summer	7.498	0.00	1.03	100Yr+40% 360Min Winter	16.427	0.00	2.01
10Yr 480Min Summer	6.036	0.00	0.82	100Yr+40% 480Min Summer	13.204	0.00	1.94
10Yr 480Min Winter	6.036	0.00	0.87	100Yr+40% 480Min Winter	13.204	0.00	1.95
10Yr 600Min Summer	5.078	0.00	0.65	100Yr+40% 600Min Summer	11.171	0.00	1.83

Simulated Rainfall Events

Storm	Average Intensity (mm/hr)	Runoff Continuity %	Flow Continuity %	Storm	Average Intensity (mm/hr)	Runoff Continuity %	Flow Continuity %
10Yr 600Min Winter	5.078	0.00	0.71	100Yr+40% 600Min Winter	11.171	0.00	1.90
10Yr 720Min Winter	4.400	0.00	0.53	100Yr+40% 720Min Summer	9.754	0.00	1.78
10Yr 720Min Summer	4.400	0.00	0.49	100Yr+40% 720Min Winter	9.754	0.00	1.85
10Yr 960Min Summer	3.517	0.00	0.23	100Yr+40% 960Min Summer	7.893	0.00	1.62
10Yr 960Min Winter	3.517	0.00	0.31	100Yr+40% 960Min Winter	7.893	0.00	1.69
10Yr 1440Min Summer	2.567	0.00	-0.07	100Yr+40% 1440Min Summer	5.860	0.00	1.33
10Yr 1440Min Winter	2.567	0.00	0.00	100Yr+40% 1440Min Winter	5.860	0.00	1.40
10Yr 2160Min Summer	1.883	0.00	-0.07	100Yr+40% 2160Min Summer	4.328	0.00	0.94
10Yr 2160Min Winter	1.883	0.00	-0.02	100Yr+40% 2160Min Winter	4.328	0.00	0.99
10Yr 2880Min Summer	1.518	0.00	-0.05	100Yr+40% 2880Min Summer	3.468	0.00	0.51
10Yr 2880Min Winter	1.518	0.00	-0.02	100Yr+40% 2880Min Winter	3.468	0.00	0.56
10Yr 4320Min Summer	1.135	0.00	-0.01	100Yr+40% 4320Min Summer	2.534	0.00	0.09
10Yr 4320Min Winter	1.135	0.00	-0.01	100Yr+40% 4320Min Winter	2.534	0.00	0.16
10Yr 5760Min Summer	0.934	0.00	-0.02	100Yr+40% 5760Min Summer	2.028	0.00	0.12
10Yr 5760Min Winter	0.934	0.00	0.00	100Yr+40% 5760Min Winter	2.028	0.00	0.15
10Yr 7200Min Summer	0.810	0.00	-0.01	100Yr+40% 7200Min Summer	1.712	0.00	0.16
10Yr 7200Min Winter	0.810	0.00	0.00	100Yr+40% 7200Min Winter	1.712	0.00	0.14
10Yr 8640Min Winter	0.725	0.00	0.00	100Yr+40% 8640Min Summer	1.497	0.00	0.11
10Yr 8640Min Summer	0.725	0.00	-0.01	100Yr+40% 8640Min Winter	1.497	0.00	0.13
10Yr 10080Min Summer	0.664	0.00	-0.01	100Yr+40% 10080Min Winter	1.339	0.00	0.12
10Yr 10080Min Winter	0.664	0.00	0.00	100Yr+40% 10080Min Summer	1.339	0.00	0.13

Simulation Results

Return Period Yrs: 1.0

Climate Change %: 0

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
PS88	-	0	87.457	0.000	0.000		OK
S65.7	-	0	87.138	0.000	0.000		OK
PS842	-	0	87.501	0.000	0.000		OK
S65.6	-	0	86.981	0.000	0.000		OK
S65.5	-	0	86.848	0.000	0.000		OK
PS850	-	0	87.397	0.000	0.000		OK
S65.2	-	0	87.105	0.000	0.000		OK
S65.1	-	0	86.697	0.000	0.000		OK
S65	15 min Summer	8	86.548	0.043	5.637		OK
PS15	-	0	87.413	0.000	0.000		OK
S62.2	-	0	87.015	0.000	0.000		OK
S62.1	-	0	86.934	0.000	0.000		OK
S62.3	-	0	86.884	0.000	0.000		OK
S62	15 min Summer	8	86.706	0.026	3.595		OK
S63	15 min Summer	8	86.445	0.095	19.955		OK
0	-	0	87.904	0.000	0.000		OK
S64.3	-	0	87.666	0.000	0.000		OK
S64.2	-	0	87.567	0.000	0.000		OK
PS834	-	0	87.937	0.000	0.000		OK
S64.1	-	0	87.736	0.000	0.000		OK
S64	15 min Summer	9	86.121	0.095	19.593		OK
S87	-	0	86.619	0.000	0.000		OK
S49	15 min Summer	9	86.530	0.048	4.459		OK
S50.3	-	0	87.953	0.000	0.000		OK
S50	15 min Summer	9	86.439	0.057	8.053		OK
PS6	-	0	88.040	0.000	0.000		OK
PS5	-	0	88.043	0.000	0.000		OK
S51.3	-	0	87.676	0.000	0.000		OK
PS2	-	0	87.840	0.000	0.000		OK
S51.2	-	0	87.339	0.000	0.000		OK
S51.1	-	0	87.269	0.000	0.000		OK
S51	15 min Summer	9	86.266	0.043	8.120		OK
S53	15 min Summer	9	85.997	0.121	38.532		OK
PS792	-	0	87.679	0.000	0.000		OK
S54.2	-	0	87.509	0.000	0.000		OK
PS795	-	0	87.732	0.000	0.000		OK
S54.5	-	0	87.582	0.000	0.000		OK
S54.3	-	0	87.210	0.000	0.000		OK
PS794	-	0	87.594	0.000	0.000		OK
S54.1	-	0	87.086	0.000	0.000		OK
S54	15 min Summer	9	85.836	0.148	47.722		OK
1011	-	0	87.657	0.000	0.000		OK
S85.3	-	0	87.026	0.000	0.000		OK
PS220	-	0	87.599	0.000	0.000		OK
S85.2	-	0	86.878	0.000	0.000		OK
101	-	0	87.435	0.000	0.000		OK
S85.1	-	0	86.742	0.000	0.000		OK
S85	15 min Summer	9	85.637	0.140	47.760		OK
S55	15 min Summer	10	85.459	0.125	46.774		OK
PS872	-	0	87.941	0.000	0.000		OK
PS871	-	0	87.939	0.000	0.000		OK
S61.2	-	0	87.739	0.000	0.000		OK
S61.1	-	0	87.648	0.000	0.000		OK
PS870	-	0	87.868	0.000	0.000		OK
S56.2	-	0	87.565	0.000	0.000		OK
S56.1	-	0	87.343	0.000	0.000		OK
S56	15 min Summer	9	85.391	0.118	50.701		OK
S57	15 min Summer	9	85.314	0.125	61.323		OK
S84	15 min Summer	10	85.036	0.126	61.023		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
PS859	-	0	85.850	0.000	0.000		OK
S60.4	-	0	85.634	0.000	0.000		OK
PS861	-	0	85.843	0.000	0.000		OK
S60.3	-	0	85.510	0.000	0.000		OK
S60.2	-	0	85.410	0.000	0.000		OK
PS375	-	0	85.800	0.000	0.000		OK
S60.1	-	0	85.230	0.000	0.000		OK
S60	15 min Summer	8	85.040	0.040	4.198		OK
S58	15 min Summer	10	84.604	0.081	69.338		OK
S59	600 min Winter	478	83.836	0.253	2.655		OK
PS838	-	0	87.920	0.000	0.000		OK
S38.5	-	0	87.584	0.000	0.000		OK
PS252	-	0	87.526	0.000	0.000		OK
S38.4	-	0	87.276	0.000	0.000		OK
PS246	-	0	87.038	0.000	0.000		OK
S38.1	-	0	86.961	0.000	0.000		OK
S38.3	-	0	86.434	0.000	0.000		OK
PS263	-	0	87.713	0.000	0.000		OK
S37.3	-	0	87.413	0.000	0.000		OK
S37	15 min Summer	8	86.864	0.042	9.474		OK
PS271	-	0	87.581	0.000	0.000		OK
S38.7	-	0	87.274	0.000	0.000		OK
PS873	-	0	87.699	0.000	0.000		OK
S38.2	-	0	87.511	0.000	0.000		OK
S38.6	-	0	87.064	0.000	0.000		OK
S38	15 min Summer	8	86.302	0.094	18.258		OK
PS240	-	0	86.972	0.000	0.000		OK
PS840	-	0	87.182	0.000	0.000		OK
S39.1	-	0	86.621	0.000	0.000		OK
S39	15 min Summer	9	86.147	0.096	20.768		OK
PS287	-	0	87.072	0.000	0.000		OK
S40.1	-	0	86.463	0.000	0.000		OK
PS881	-	0	86.637	0.000	0.000		OK
S40.3	-	0	86.324	0.000	0.000		OK
S40.2	-	0	86.102	0.000	0.000		OK
S40	15 min Summer	9	85.922	0.071	23.598		OK
PS880	-	0	86.510	0.000	0.000		OK
S41.2	-	0	86.115	0.000	0.000		OK
S41.1	-	0	85.962	0.000	0.000		OK
S41	15 min Summer	9	85.589	0.082	26.136		OK
S42	15 min Summer	9	85.349	0.084	28.971		OK
S43	15 min Summer	9	85.232	0.077	29.003		OK
S44	15 min Summer	9	85.076	0.106	35.930		OK
PS877	-	0	85.813	0.000	0.000		OK
S45.2	-	0	85.416	0.000	0.000		OK
S45.1	-	0	85.131	0.000	0.000		OK
S45	15 min Summer	9	84.702	0.122	39.741		OK
PS330	-	0	85.844	0.000	0.000		OK
S46.3	-	0	85.535	0.000	0.000		OK
PS319	-	0	85.857	0.000	0.000		OK
PS327	-	0	85.736	0.000	0.000		OK
S46.2	-	0	85.663	0.000	0.000		OK
S46.1	-	0	85.386	0.000	0.000		OK
S46.4	-	0	85.237	0.000	0.000		OK
S46	15 min Summer	9	84.489	0.077	39.865		OK
S47	15 min Summer	10	83.861	0.165	38.988		OK
PS54	-	0	87.676	0.000	0.000		OK
S66.2	-	0	87.456	0.000	0.000		OK
PS789	-	0	87.793	0.000	0.000		OK
S66.3	-	0	87.513	0.000	0.000		OK
PS781	-	0	87.723	0.000	0.000		OK
S66.1	-	0	87.289	0.000	0.000		OK
S66.5	-	0	87.767	0.000	0.000		OK
S66.4	-	0	87.369	0.000	0.000		OK
S66	15 min Summer	9	87.060	0.049	7.824		OK
PS78	-	0	87.335	0.000	0.000		OK
S77.2	-	0	86.994	0.000	0.000		OK
PS948	-	0	87.123	0.000	0.000		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S78.2	-	0	86.696	0.000	0.000		OK
PS950	-	0	87.195	0.000	0.000		OK
S78.1	-	0	86.696	0.000	0.000		OK
S78	15 min Summer	9	86.642	0.068	7.325		OK
PS72	-	0	87.405	0.000	0.000		OK
S74.1	-	0	87.202	0.000	0.000		OK
S74	15 min Summer	9	86.548	0.083	11.113		OK
PS60	-	0	87.381	0.000	0.000		OK
S67.1	-	0	87.037	0.000	0.000		OK
S67	15 min Summer	8	86.352	0.092	37.322		OK
PS812	-	0	86.852	0.000	0.000		OK
PS149	-	0	86.987	0.000	0.000		OK
S86.10	-	0	86.642	0.000	0.000		OK
S86.9	-	0	86.581	0.000	0.000		OK
PS815	-	0	86.555	0.000	0.000		OK
PS817	-	0	86.397	0.000	0.000		OK
S86.8	-	0	86.154	0.000	0.000		OK
S86.7	-	0	86.102	0.000	0.000		OK
PS813	-	0	86.617	0.000	0.000		OK
S86.6	-	0	86.564	0.000	0.000		OK
S86.5	-	0	86.019	0.000	0.000		OK
PS182	-	0	86.682	0.000	0.000		OK
S86.4	-	0	86.336	0.000	0.000		OK
PS172	-	0	87.173	0.000	0.000		OK
PS178	-	0	87.566	0.000	0.000		OK
S86.3	-	0	86.826	0.000	0.000		OK
PS822	-	0	87.015	0.000	0.000		OK
S86.2	-	0	86.922	0.000	0.000		OK
S86.1	-	0	86.228	0.000	0.000		OK
S86	15 min Summer	9	85.909	0.090	37.503		OK
S76.5	-	0	87.015	0.000	0.000		OK
PS208	-	0	87.022	0.000	0.000		OK
S76.4	-	0	86.900	0.000	0.000		OK
S76.3	-	0	86.459	0.000	0.000		OK
S76.2	-	0	87.124	0.000	0.000		OK
PS855	-	0	86.875	0.000	0.000		OK
PS438	-	0	87.231	0.000	0.000		OK
S76.1	-	0	86.518	0.000	0.000		OK
S76	15 min Summer	8	86.067	0.067	12.250		OK
PS409	-	0	86.068	0.000	0.000		OK
S68.3	-	0	85.769	0.000	0.000		OK
PS853	-	0	86.344	0.000	0.000		OK
S68.2	-	0	86.089	0.000	0.000		OK
S68.1	-	0	85.678	0.000	0.000		OK
S68	15 min Summer	9	85.345	0.135	64.019		OK
S79	15 min Summer	8	85.975	0.045	8.573		OK
S69	15 min Summer	9	84.808	0.118	75.974		OK
S70.2	15 min Summer	9	84.946	0.006	0.117		OK
S70	15 min Summer	9	84.389	0.119	77.534		OK
S71	15 min Summer	9	83.983	0.143	80.860		OK
PS883	-	0	86.072	0.000	0.000		OK
S72.4	-	0	85.764	0.000	0.000		OK
PS857	-	0	85.892	0.000	0.000		OK
S72.3	-	0	85.370	0.000	0.000		OK
S72.2	-	0	85.270	0.000	0.000		OK
PS386	-	0	85.703	0.000	0.000		OK
S72.1	-	0	84.690	0.000	0.000		OK
S72	480 min Winter	328	83.867	0.227	8.128		OK
S73	600 min Winter	414	83.895	0.435	9.570		OK
S80	600 min Winter	477	83.837	0.437	13.134		OK
S81	600 min Winter	477	83.837	1.465	7.392		Surcharged
S82	600 min Winter	475	81.610	0.040	7.359		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	PS88	S65.7	0.000	0.000	0.000	0.000	OK
1.001	15 min Winter	0	S65.7	S65.6	0.000	0.000	0.000	0.000	OK
2.000	15 min Winter	0	PS842	S65.6	0.000	0.000	0.000	0.000	OK
1.002	15 min Winter	0	S65.6	S65.5	0.000	0.000	0.000	0.000	OK
1.003	15 min Winter	0	S65.5	S65.1	0.000	0.000	0.000	0.000	OK
3.000	15 min Winter	0	PS850	S65.2	0.000	0.000	0.000	0.000	OK
3.001	15 min Winter	0	S65.2	S65.1	0.000	0.000	0.000	0.000	OK
1.004	15 min Winter	0	S65.1	S65	0.000	0.000	0.000	0.000	OK
1.005	15 min Summer	8	S65	S63	0.069	0.454	5.612	0.046	OK
4.000	15 min Winter	0	PS15	S62.1	0.000	0.000	0.000	0.000	OK
5.000	15 min Winter	0	S62.2	S62.1	0.000	0.000	0.000	0.000	OK
4.001	15 min Winter	0	S62.1	S62.3	0.000	0.000	0.000	0.000	OK
4.002	15 min Winter	0	S62.3	S62	0.000	0.000	0.000	0.000	OK
4.003	15 min Summer	8	S62	S63	0.061	0.351	3.577	0.016	OK
1.006	15 min Summer	9	S63	S64	0.095	1.032	19.626	0.223	OK
6.000	15 min Winter	0	0	S64.3	0.000	0.000	0.000	0.000	OK
6.001	15 min Winter	0	S64.3	S64.2	0.000	0.000	0.000	0.000	OK
6.002	15 min Winter	0	S64.2	S64	0.000	0.000	0.000	0.000	OK
7.000	15 min Winter	0	PS834	S64.1	0.000	0.000	0.000	0.000	OK
7.001	15 min Winter	0	S64.1	S64	0.000	0.000	0.000	0.000	OK
1.007	15 min Summer	9	S64	S53	0.095	1.024	19.753	0.225	OK
8.000	15 min Summer	9	S87	S49	0.024	0.000	0.000	0.000	OK
8.001	15 min Summer	9	S49	S50	0.052	0.545	4.520	0.057	OK
9.000	15 min Winter	0	S50.3	S50	0.000	0.000	0.000	0.000	OK
8.002	15 min Summer	9	S50	S51	0.050	1.052	8.120	0.077	OK
10.000	15 min Winter	0	PS6	S51.3	0.000	0.000	0.000	0.000	OK
11.000	15 min Winter	0	PS5	S51.3	0.000	0.000	0.000	0.000	OK
10.001	15 min Winter	0	S51.3	S51.2	0.000	0.000	0.000	0.000	OK
12.000	15 min Winter	0	PS2	S51.2	0.000	0.000	0.000	0.000	OK
10.002	15 min Winter	0	S51.2	S51.1	0.000	0.000	0.000	0.000	OK
10.003	15 min Winter	0	S51.1	S51	0.000	0.000	0.000	0.000	OK
8.003	15 min Summer	9	S51	S53	0.045	1.287	8.139	0.045	OK
1.008	15 min Summer	9	S53	S54	0.135	1.083	38.670	0.234	OK
13.000	15 min Winter	0	PS792	S54.2	0.000	0.000	0.000	0.000	OK
13.001	15 min Winter	0	S54.2	S54.1	0.000	0.000	0.000	0.000	OK
14.000	15 min Winter	0	PS795	S54.5	0.000	0.000	0.000	0.000	OK
14.001	15 min Winter	0	S54.5	S54.3	0.000	0.000	0.000	0.000	OK
14.002	15 min Winter	0	S54.3	S54.1	0.000	0.000	0.000	0.000	OK
15.000	15 min Winter	0	PS794	S54.1	0.000	0.000	0.000	0.000	OK
13.002	15 min Winter	0	S54.1	S54	0.000	0.000	0.000	0.000	OK
1.009	15 min Summer	9	S54	S85	0.144	1.224	47.760	0.340	OK
16.000	15 min Winter	0	1011	S85.3	0.000	0.000	0.000	0.000	OK
16.001	15 min Winter	0	S85.3	S85.2	0.000	0.000	0.000	0.000	OK
17.000	15 min Winter	0	PS220	S85.2	0.000	0.000	0.000	0.000	OK
16.002	15 min Winter	0	S85.2	S85.1	0.000	0.000	0.000	0.000	OK
18.000	15 min Winter	0	101	S85.1	0.000	0.000	0.000	0.000	OK
16.003	15 min Winter	0	S85.1	S85	0.000	0.000	0.000	0.000	OK
1.010	15 min Summer	9	S85	S55	0.139	1.265	47.019	0.303	OK
1.011	15 min Summer	10	S55	S56	0.121	1.370	46.972	0.175	OK
19.000	15 min Winter	0	PS872	S61.2	0.000	0.000	0.000	0.000	OK
20.000	15 min Winter	0	PS871	S61.2	0.000	0.000	0.000	0.000	OK
19.001	15 min Winter	0	S61.2	S61.1	0.000	0.000	0.000	0.000	OK
19.002	15 min Winter	0	S61.1	S56.1	0.000	0.000	0.000	0.000	OK
21.000	15 min Winter	0	PS870	S56.2	0.000	0.000	0.000	0.000	OK
21.001	15 min Winter	0	S56.2	S56.1	0.000	0.000	0.000	0.000	OK
19.003	15 min Winter	0	S56.1	S56	0.000	0.000	0.000	0.000	OK
1.012	15 min Summer	10	S56	S57	0.121	1.485	50.596	0.151	OK
1.013	15 min Summer	9	S57	S84	0.125	1.693	60.871	0.173	OK
1.014	15 min Summer	10	S84	S58	0.126	1.709	62.161	0.178	OK
22.000	15 min Winter	0	PS859	S60.4	0.000	0.000	0.000	0.000	OK
22.001	15 min Winter	0	S60.4	S60.3	0.000	0.000	0.000	0.000	OK
23.000	15 min Winter	0	PS861	S60.3	0.000	0.000	0.000	0.000	OK
22.002	15 min Winter	0	S60.3	S60.2	0.000	0.000	0.000	0.000	OK
22.003	15 min Winter	0	S60.2	S60.1	0.000	0.000	0.000	0.000	OK
24.000	15 min Winter	0	PS375	S60.1	0.000	0.000	0.000	0.000	OK
22.004	15 min Winter	0	S60.1	S60	0.000	0.000	0.000	0.000	OK
22.005	15 min Summer	8	S60	S58	0.040	0.857	4.108	0.070	OK
1.015	15 min Summer	10	S58	S59	0.146	1.579	69.444	0.074	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
1.016	600 min Winter	477	S59	S80	0.345	0.557	12.753	0.084	OK
25.000	15 min Winter	0	PS838	S38.5	0.000	0.000	0.000	0.000	OK
25.001	15 min Winter	0	S38.5	S38.4	0.000	0.000	0.000	0.000	OK
26.000	15 min Winter	0	PS252	S38.4	0.000	0.000	0.000	0.000	OK
25.002	15 min Winter	0	S38.4	S38.3	0.000	0.000	0.000	0.000	OK
27.000	15 min Winter	0	PS246	S38.1	0.000	0.000	0.000	0.000	OK
27.001	15 min Winter	0	S38.1	S38.3	0.000	0.000	0.000	0.000	OK
25.003	15 min Winter	0	S38.3	S38	0.000	0.000	0.000	0.000	OK
28.000	15 min Winter	0	PS263	S37.3	0.000	0.000	0.000	0.000	OK
28.001	15 min Winter	0	S37.3	S37	0.000	0.000	0.000	0.000	OK
28.002	15 min Summer	8	S37	S38	0.068	0.782	9.428	0.044	OK
29.000	15 min Winter	0	PS271	S38.7	0.000	0.000	0.000	0.000	OK
29.001	15 min Winter	0	S38.7	S38.6	0.000	0.000	0.000	0.000	OK
30.000	15 min Winter	0	PS873	S38.2	0.000	0.000	0.000	0.000	OK
30.001	15 min Winter	0	S38.2	S38.6	0.000	0.000	0.000	0.000	OK
29.002	15 min Winter	0	S38.6	S38	0.000	0.000	0.000	0.000	OK
25.004	15 min Summer	8	S38	S39	0.095	0.941	18.034	0.217	OK
31.000	15 min Winter	0	PS240	S39.1	0.000	0.000	0.000	0.000	OK
32.000	15 min Winter	0	PS840	S39.1	0.000	0.000	0.000	0.000	OK
31.001	15 min Winter	0	S39.1	S39	0.000	0.000	0.000	0.000	OK
25.005	15 min Summer	9	S39	S40	0.084	1.309	21.043	0.220	OK
33.000	15 min Winter	0	PS287	S40.1	0.000	0.000	0.000	0.000	OK
33.001	15 min Winter	0	S40.1	S40.2	0.000	0.000	0.000	0.000	OK
34.000	15 min Winter	0	PS881	S40.3	0.000	0.000	0.000	0.000	OK
34.001	15 min Winter	0	S40.3	S40.2	0.000	0.000	0.000	0.000	OK
33.002	15 min Winter	0	S40.2	S40	0.000	0.000	0.000	0.000	OK
25.006	15 min Summer	9	S40	S41	0.071	1.851	23.706	0.126	OK
35.000	15 min Winter	0	PS880	S41.2	0.000	0.000	0.000	0.000	OK
35.001	15 min Winter	0	S41.2	S41.1	0.000	0.000	0.000	0.000	OK
35.002	15 min Winter	0	S41.1	S41	0.000	0.000	0.000	0.000	OK
25.007	15 min Summer	9	S41	S42	0.083	1.438	26.175	0.108	OK
25.008	15 min Summer	9	S42	S43	0.081	1.662	29.003	0.114	OK
25.009	15 min Summer	9	S43	S44	0.092	1.390	29.012	0.096	OK
25.010	15 min Summer	9	S44	S45	0.114	1.268	35.883	0.180	OK
36.000	15 min Winter	0	PS877	S45.2	0.000	0.000	0.000	0.000	OK
36.001	15 min Winter	0	S45.2	S45.1	0.000	0.000	0.000	0.000	OK
36.002	15 min Winter	0	S45.1	S45	0.000	0.000	0.000	0.000	OK
25.011	15 min Summer	9	S45	S46	0.099	1.695	39.572	0.229	OK
37.000	15 min Winter	0	PS330	S46.3	0.000	0.000	0.000	0.000	OK
37.001	15 min Winter	0	S46.3	S46.4	0.000	0.000	0.000	0.000	OK
38.000	15 min Winter	0	PS319	S46.1	0.000	0.000	0.000	0.000	OK
39.000	15 min Winter	0	PS327	S46.2	0.000	0.000	0.000	0.000	OK
39.001	15 min Winter	0	S46.2	S46.1	0.000	0.000	0.000	0.000	OK
38.001	15 min Winter	0	S46.1	S46.4	0.000	0.000	0.000	0.000	OK
37.002	15 min Winter	0	S46.4	S46	0.000	0.000	0.000	0.000	OK
25.012	15 min Summer	10	S46	S47	0.120	1.373	39.686	0.094	OK
25.013	600 min Winter	475	S47	S80	0.258	0.468	7.077	0.067	OK
40.000	15 min Winter	0	PS54	S66.2	0.000	0.000	0.000	0.000	OK
40.001	15 min Winter	0	S66.2	S66.1	0.000	0.000	0.000	0.000	OK
41.000	15 min Winter	0	PS789	S66.3	0.000	0.000	0.000	0.000	OK
41.001	15 min Winter	0	S66.3	S66.1	0.000	0.000	0.000	0.000	OK
42.000	15 min Winter	0	PS781	S66.1	0.000	0.000	0.000	0.000	OK
40.002	15 min Winter	0	S66.1	S66	0.000	0.000	0.000	0.000	OK
43.000	15 min Winter	0	S66.5	S66.4	0.000	0.000	0.000	0.000	OK
43.001	15 min Winter	0	S66.4	S66	0.000	0.000	0.000	0.000	OK
40.003	15 min Summer	9	S66	S67	0.049	1.043	7.960	0.061	OK
44.000	15 min Winter	0	PS78	S77.2	0.000	0.000	0.000	0.000	OK
44.001	15 min Summer	9	S77.2	S78	0.034	0.000	0.000	0.000	OK
45.000	15 min Winter	0	PS948	S78.2	0.000	0.000	0.000	0.000	OK
45.001	15 min Winter	0	S78.2	S78.1	0.000	0.000	0.000	0.000	OK
46.000	15 min Winter	0	PS950	S78.1	0.000	0.000	0.000	0.000	OK
45.002	15 min Summer	9	S78.1	S78	0.009	0.000	0.000	0.000	OK
44.002	15 min Summer	9	S78	S74	0.076	0.540	7.436	0.117	OK
47.000	15 min Winter	0	PS72	S74.1	0.000	0.000	0.000	0.000	OK
47.001	15 min Winter	0	S74.1	S74	0.000	0.000	0.000	0.000	OK
44.003	15 min Summer	9	S74	S67	0.081	0.723	11.164	0.175	OK
48.000	15 min Winter	0	PS60	S67.1	0.000	0.000	0.000	0.000	OK
48.001	15 min Winter	0	S67.1	S67	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
40.004	15 min Summer	9	S67	S86	0.091	1.634	37.503	0.095	OK
49.000	15 min Winter	0	PS812	S86.10	0.000	0.000	0.000	0.000	OK
50.000	15 min Winter	0	PS149	S86.10	0.000	0.000	0.000	0.000	OK
49.001	15 min Winter	0	S86.10	S86.9	0.000	0.000	0.000	0.000	OK
49.002	15 min Winter	0	S86.9	S86.5	0.000	0.000	0.000	0.000	OK
51.000	15 min Winter	0	PS815	S86.8	0.000	0.000	0.000	0.000	OK
52.000	15 min Winter	0	PS817	S86.8	0.000	0.000	0.000	0.000	OK
51.001	15 min Winter	0	S86.8	S86.7	0.000	0.000	0.000	0.000	OK
51.002	15 min Winter	0	S86.7	S86.5	0.000	0.000	0.000	0.000	OK
53.000	15 min Winter	0	PS813	S86.6	0.000	0.000	0.000	0.000	OK
53.001	15 min Winter	0	S86.6	S86.5	0.000	0.000	0.000	0.000	OK
49.003	15 min Winter	0	S86.5	S86	0.000	0.000	0.000	0.000	OK
54.000	15 min Winter	0	PS182	S86.4	0.000	0.000	0.000	0.000	OK
54.001	15 min Winter	0	S86.4	S86.1	0.000	0.000	0.000	0.000	OK
55.000	15 min Winter	0	PS172	S86.3	0.000	0.000	0.000	0.000	OK
56.000	15 min Winter	0	PS178	S86.3	0.000	0.000	0.000	0.000	OK
55.001	15 min Winter	0	S86.3	S86.1	0.000	0.000	0.000	0.000	OK
57.000	15 min Winter	0	PS822	S86.2	0.000	0.000	0.000	0.000	OK
57.001	15 min Winter	0	S86.2	S86.1	0.000	0.000	0.000	0.000	OK
54.002	15 min Winter	0	S86.1	S86	0.000	0.000	0.000	0.000	OK
40.005	15 min Summer	9	S86	S68	0.090	1.669	37.627	0.090	OK
58.000	15 min Winter	0	S76.5	S76.4	0.000	0.000	0.000	0.000	OK
59.000	15 min Winter	0	PS208	S76.4	0.000	0.000	0.000	0.000	OK
58.001	15 min Winter	0	S76.4	S76.3	0.000	0.000	0.000	0.000	OK
58.002	15 min Winter	0	S76.3	S76	0.000	0.000	0.000	0.000	OK
60.000	15 min Winter	0	S76.2	S76	0.000	0.000	0.000	0.000	OK
61.000	15 min Winter	0	PS855	S76.1	0.000	0.000	0.000	0.000	OK
62.000	15 min Winter	0	PS438	S76.1	0.000	0.000	0.000	0.000	OK
61.001	15 min Winter	0	S76.1	S76	0.000	0.000	0.000	0.000	OK
58.003	15 min Summer	8	S76	S68	0.067	1.201	11.985	0.198	OK
63.000	15 min Winter	0	PS409	S68.3	0.000	0.000	0.000	0.000	OK
63.001	15 min Winter	0	S68.3	S68.1	0.000	0.000	0.000	0.000	OK
64.000	15 min Winter	0	PS853	S68.2	0.000	0.000	0.000	0.000	OK
64.001	15 min Winter	0	S68.2	S68.1	0.000	0.000	0.000	0.000	OK
63.002	15 min Winter	0	S68.1	S68	0.000	0.000	0.000	0.000	OK
40.006	15 min Summer	9	S68	S69	0.127	1.597	64.301	0.147	OK
65.000	15 min Summer	9	S79	S69	0.045	1.250	8.367	0.050	OK
40.007	15 min Summer	9	S69	S70	0.119	2.063	75.872	0.117	OK
66.000	15 min Summer	9	S70.2	S70	0.006	0.466	0.119	0.003	OK
40.008	15 min Summer	9	S70	S71	0.131	1.825	77.164	0.118	OK
40.009	15 min Summer	9	S71	S72	0.139	1.760	80.392	0.169	OK
67.000	15 min Winter	0	PS883	S72.4	0.000	0.000	0.000	0.000	OK
67.001	15 min Winter	0	S72.4	S72.3	0.000	0.000	0.000	0.000	OK
68.000	15 min Winter	0	PS857	S72.3	0.000	0.000	0.000	0.000	OK
67.002	15 min Winter	0	S72.3	S72.2	0.000	0.000	0.000	0.000	OK
67.003	15 min Winter	0	S72.2	S72.1	0.000	0.000	0.000	0.000	OK
69.000	15 min Winter	0	PS386	S72.1	0.000	0.000	0.000	0.000	OK
67.004	15 min Winter	0	S72.1	S72	0.000	0.000	0.000	0.000	OK
40.010	480 min Winter	328	S72	S73	0.304	0.889	49.744	0.085	OK
40.011	600 min Winter	418	S73	S80	0.429	0.728	53.867	0.180	OK
1.017	600 min Winter	477	S80	S81	0.481	0.333	18.269	0.010	OK
1.018	600 min Winter	475	S81	S82	0.040	1.328	7.359	0.038	OK

Return Period Yrs: 10.0

Climate Change %: 0

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
PS88	-	0	87.457	0.000	0.000		OK
S65.7	-	0	87.138	0.000	0.000		OK
PS842	-	0	87.501	0.000	0.000		OK
S65.6	-	0	86.981	0.000	0.000		OK
S65.5	-	0	86.848	0.000	0.000		OK
PS850	-	0	87.397	0.000	0.000		OK
S65.2	-	0	87.105	0.000	0.000		OK
S65.1	-	0	86.697	0.000	0.000		OK
S65	15 min Summer	8	86.595	0.089	24.429		OK
PS15	-	0	87.413	0.000	0.000		OK
S62.2	-	0	87.015	0.000	0.000		OK
S62.1	-	0	86.934	0.000	0.000		OK
S62.3	-	0	86.884	0.000	0.000		OK
S62	15 min Summer	8	86.732	0.052	15.583		OK
S63	15 min Summer	9	86.584	0.234	83.203		OK
0	-	0	87.904	0.000	0.000		OK
S64.3	-	0	87.666	0.000	0.000		OK
S64.2	-	0	87.567	0.000	0.000		OK
PS834	-	0	87.937	0.000	0.000		OK
S64.1	-	0	87.736	0.000	0.000		OK
S64	15 min Summer	9	86.371	0.345	81.715		Surcharged
S87	-	0	86.619	0.000	0.000		OK
S49	15 min Summer	8	86.584	0.101	20.134		OK
S50.3	-	0	87.953	0.000	0.000		OK
S50	15 min Summer	8	86.501	0.119	35.746		OK
PS6	-	0	88.040	0.000	0.000		OK
PS5	-	0	88.043	0.000	0.000		OK
S51.3	-	0	87.676	0.000	0.000		OK
PS2	-	0	87.840	0.000	0.000		OK
S51.2	-	0	87.339	0.000	0.000		OK
S51.1	-	0	87.269	0.000	0.000		OK
S51	15 min Summer	9	86.311	0.088	35.229		OK
S53	15 min Summer	9	86.316	0.440	159.230		Surcharged
PS792	-	0	87.679	0.000	0.000		OK
S54.2	-	0	87.509	0.000	0.000		OK
PS795	-	0	87.732	0.000	0.000		OK
S54.5	-	0	87.582	0.000	0.000		OK
S54.3	-	0	87.210	0.000	0.000		OK
PS794	-	0	87.594	0.000	0.000		OK
S54.1	-	0	87.086	0.000	0.000		OK
S54	15 min Summer	9	86.155	0.467	196.485		Surcharged
1011	-	0	87.657	0.000	0.000		OK
S85.3	-	0	87.026	0.000	0.000		OK
PS220	-	0	87.599	0.000	0.000		OK
S85.2	-	0	86.878	0.000	0.000		OK
101	-	0	87.435	0.000	0.000		OK
S85.1	-	0	86.742	0.000	0.000		OK
S85	15 min Summer	10	85.848	0.350	191.954		OK
S55	15 min Summer	10	85.609	0.275	193.490		OK
PS872	-	0	87.941	0.000	0.000		OK
PS871	-	0	87.939	0.000	0.000		OK
S61.2	-	0	87.739	0.000	0.000		OK
S61.1	-	0	87.648	0.000	0.000		OK
PS870	-	0	87.868	0.000	0.000		OK
S56.2	-	0	87.565	0.000	0.000		OK
S56.1	-	0	87.343	0.000	0.000		OK
S56	15 min Summer	9	85.534	0.261	204.969		OK
S57	15 min Summer	9	85.464	0.275	251.872		OK
S84	15 min Summer	9	85.189	0.279	255.555		OK
PS859	-	0	85.850	0.000	0.000		OK
S60.4	-	0	85.634	0.000	0.000		OK
PS861	-	0	85.843	0.000	0.000		OK
S60.3	-	0	85.510	0.000	0.000		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S60.2	-	0	85.410	0.000	0.000		OK
PS375	-	0	85.800	0.000	0.000		OK
S60.1	-	0	85.230	0.000	0.000		OK
S60	15 min Summer	8	85.085	0.085	18.195		OK
S58	15 min Summer	10	84.703	0.180	285.077		OK
S59	600 min Winter	576	84.369	0.786	3.366		Surcharged
PS838	-	0	87.920	0.000	0.000		OK
S38.5	-	0	87.584	0.000	0.000		OK
PS252	-	0	87.526	0.000	0.000		OK
S38.4	-	0	87.276	0.000	0.000		OK
PS246	-	0	87.038	0.000	0.000		OK
S38.1	-	0	86.961	0.000	0.000		OK
S38.3	15 min Summer	9	86.437	0.003	0.000		OK
PS263	-	0	87.713	0.000	0.000		OK
S37.3	-	0	87.413	0.000	0.000		OK
S37	15 min Summer	8	86.910	0.088	41.060		OK
PS271	-	0	87.581	0.000	0.000		OK
S38.7	-	0	87.274	0.000	0.000		OK
PS873	-	0	87.699	0.000	0.000		OK
S38.2	-	0	87.511	0.000	0.000		OK
S38.6	-	0	87.064	0.000	0.000		OK
S38	15 min Summer	8	86.435	0.226	79.209		OK
PS240	-	0	86.972	0.000	0.000		OK
PS840	-	0	87.182	0.000	0.000		OK
S39.1	-	0	86.621	0.000	0.000		OK
S39	15 min Summer	9	86.278	0.227	89.811		OK
PS287	-	0	87.072	0.000	0.000		OK
S40.1	-	0	86.463	0.000	0.000		OK
PS881	-	0	86.637	0.000	0.000		OK
S40.3	-	0	86.324	0.000	0.000		OK
S40.2	-	0	86.102	0.000	0.000		OK
S40	15 min Summer	9	86.007	0.155	101.717		OK
PS880	-	0	86.510	0.000	0.000		OK
S41.2	-	0	86.115	0.000	0.000		OK
S41.1	-	0	85.962	0.000	0.000		OK
S41	15 min Summer	9	85.684	0.177	112.620		OK
S42	15 min Summer	9	85.447	0.182	124.911		OK
S43	15 min Summer	9	85.332	0.177	125.156		OK
S44	15 min Summer	9	85.216	0.246	155.389		OK
PS877	-	0	85.813	0.000	0.000		OK
S45.2	-	0	85.416	0.000	0.000		OK
S45.1	-	0	85.131	0.000	0.000		OK
S45	15 min Summer	9	84.876	0.296	172.694		OK
PS330	-	0	85.844	0.000	0.000		OK
S46.3	-	0	85.535	0.000	0.000		OK
PS319	-	0	85.857	0.000	0.000		OK
PS327	-	0	85.736	0.000	0.000		OK
S46.2	-	0	85.663	0.000	0.000		OK
S46.1	-	0	85.386	0.000	0.000		OK
S46.4	-	0	85.237	0.000	0.000		OK
S46	15 min Summer	10	84.594	0.182	165.026		OK
S47	600 min Winter	576	84.369	0.673	1.868		Surcharged
PS54	-	0	87.676	0.000	0.000		OK
S66.2	-	0	87.456	0.000	0.000		OK
PS789	-	0	87.793	0.000	0.000		OK
S66.3	-	0	87.513	0.000	0.000		OK
PS781	-	0	87.723	0.000	0.000		OK
S66.1	-	0	87.289	0.000	0.000		OK
S66.5	-	0	87.767	0.000	0.000		OK
S66.4	-	0	87.369	0.000	0.000		OK
S66	15 min Summer	8	87.115	0.104	35.329		OK
PS78	-	0	87.335	0.000	0.000		OK
S77.2	-	0	86.994	0.000	0.000		OK
PS948	-	0	87.123	0.000	0.000		OK
S78.2	15 min Summer	9	86.724	0.028	0.055		OK
PS950	-	0	87.195	0.000	0.000		OK
S78.1	15 min Summer	9	86.722	0.026	0.107		OK
S78	15 min Summer	8	86.722	0.148	33.076		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
PS72	-	0	87.405	0.000	0.000		OK
S74.1	-	0	87.202	0.000	0.000		OK
S74	15 min Summer	8	86.648	0.183	48.844		OK
PS60	-	0	87.381	0.000	0.000		OK
S67.1	-	0	87.037	0.000	0.000		OK
S67	15 min Summer	8	86.459	0.199	164.916		OK
PS812	-	0	86.852	0.000	0.000		OK
PS149	-	0	86.987	0.000	0.000		OK
S86.10	-	0	86.642	0.000	0.000		OK
S86.9	-	0	86.581	0.000	0.000		OK
PS815	-	0	86.555	0.000	0.000		OK
PS817	-	0	86.397	0.000	0.000		OK
S86.8	-	0	86.154	0.000	0.000		OK
S86.7	-	0	86.102	0.000	0.000		OK
PS813	-	0	86.617	0.000	0.000		OK
S86.6	-	0	86.564	0.000	0.000		OK
S86.5	-	0	86.019	0.000	0.000		OK
PS182	-	0	86.682	0.000	0.000		OK
S86.4	-	0	86.336	0.000	0.000		OK
PS172	-	0	87.173	0.000	0.000		OK
PS178	-	0	87.566	0.000	0.000		OK
S86.3	-	0	86.826	0.000	0.000		OK
PS822	-	0	87.015	0.000	0.000		OK
S86.2	-	0	86.922	0.000	0.000		OK
S86.1	-	0	86.228	0.000	0.000		OK
S86	15 min Summer	9	86.011	0.192	162.400		OK
S76.5	-	0	87.015	0.000	0.000		OK
PS208	-	0	87.022	0.000	0.000		OK
S76.4	-	0	86.900	0.000	0.000		OK
S76.3	-	0	86.459	0.000	0.000		OK
S76.2	-	0	87.124	0.000	0.000		OK
PS855	-	0	86.875	0.000	0.000		OK
PS438	-	0	87.231	0.000	0.000		OK
S76.1	-	0	86.518	0.000	0.000		OK
S76	15 min Summer	8	86.159	0.159	53.087		OK
PS409	-	0	86.068	0.000	0.000		OK
S68.3	-	0	85.769	0.000	0.000		OK
PS853	-	0	86.344	0.000	0.000		OK
S68.2	-	0	86.089	0.000	0.000		OK
S68.1	-	0	85.678	0.000	0.000		OK
S68	15 min Summer	8	85.508	0.298	279.696		OK
S79	15 min Summer	8	86.025	0.095	37.151		OK
S69	15 min Summer	9	84.949	0.259	331.078		OK
S70.2	15 min Summer	8	84.953	0.013	0.530		OK
S70	15 min Summer	9	84.534	0.264	340.001		OK
S71	720 min Winter	616	84.392	0.552	0.215		Surcharged
PS883	-	0	86.072	0.000	0.000		OK
S72.4	-	0	85.764	0.000	0.000		OK
PS857	-	0	85.892	0.000	0.000		OK
S72.3	-	0	85.370	0.000	0.000		OK
S72.2	-	0	85.270	0.000	0.000		OK
PS386	-	0	85.703	0.000	0.000		OK
S72.1	-	0	84.690	0.000	0.000		OK
S72	600 min Winter	523	84.391	0.751	7.519		Surcharged
S73	600 min Winter	533	84.382	0.922	19.212		Surcharged
S80	600 min Winter	578	84.369	0.969	18.185		Surcharged
S81	600 min Winter	578	84.369	1.997	8.612		Surcharged
S82	600 min Winter	579	81.613	0.043	8.592		Outfall

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
1.000	15 min Summer	0	PS88	S65.7	0.000	0.000	0.000	0.000	OK
1.001	15 min Summer	0	S65.7	S65.6	0.000	0.000	0.000	0.000	OK
2.000	15 min Summer	0	PS842	S65.6	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
1.002	15 min Summer	0	S65.6	S65.5	0.000	0.000	0.000	0.000	OK
1.003	15 min Summer	0	S65.5	S65.1	0.000	0.000	0.000	0.000	OK
3.000	15 min Summer	0	PS850	S65.2	0.000	0.000	0.000	0.000	OK
3.001	15 min Summer	0	S65.2	S65.1	0.000	0.000	0.000	0.000	OK
1.004	15 min Summer	0	S65.1	S65	0.000	0.000	0.000	0.000	OK
1.005	15 min Summer	9	S65	S63	0.161	0.639	24.361	0.198	OK
4.000	15 min Summer	0	PS15	S62.1	0.000	0.000	0.000	0.000	OK
5.000	15 min Summer	0	S62.2	S62.1	0.000	0.000	0.000	0.000	OK
4.001	15 min Summer	0	S62.1	S62.3	0.000	0.000	0.000	0.000	OK
4.002	15 min Summer	0	S62.3	S62	0.000	0.000	0.000	0.000	OK
4.003	15 min Summer	9	S62	S63	0.143	0.483	15.539	0.067	OK
1.006	15 min Summer	9	S63	S64	0.267	1.447	85.214	0.967	OK
6.000	15 min Summer	0	0	S64.3	0.000	0.000	0.000	0.000	OK
6.001	15 min Summer	0	S64.3	S64.2	0.000	0.000	0.000	0.000	OK
6.002	15 min Summer	9	S64.2	S64	0.075	0.000	0.000	0.000	OK
7.000	15 min Summer	0	PS834	S64.1	0.000	0.000	0.000	0.000	OK
7.001	15 min Summer	9	S64.1	S64	0.073	0.000	0.000	0.000	OK
1.007	15 min Summer	10	S64	S53	0.300	1.380	81.796	0.931	Surcharged
8.000	15 min Summer	8	S87	S49	0.051	0.000	0.000	0.000	OK
8.001	15 min Summer	8	S49	S50	0.110	0.846	19.794	0.248	OK
9.000	15 min Summer	0	S50.3	S50	0.000	0.000	0.000	0.000	OK
8.002	15 min Summer	8	S50	S51	0.104	1.637	35.447	0.337	OK
10.000	15 min Summer	0	PS6	S51.3	0.000	0.000	0.000	0.000	OK
11.000	15 min Summer	0	PS5	S51.3	0.000	0.000	0.000	0.000	OK
10.001	15 min Summer	0	S51.3	S51.2	0.000	0.000	0.000	0.000	OK
12.000	15 min Summer	0	PS2	S51.2	0.000	0.000	0.000	0.000	OK
10.002	15 min Summer	0	S51.2	S51.1	0.000	0.000	0.000	0.000	OK
10.003	15 min Summer	0	S51.1	S51	0.000	0.000	0.000	0.000	OK
8.003	15 min Summer	9	S51	S53	0.194	1.272	35.374	0.194	OK
1.008	15 min Summer	9	S53	S54	0.375	1.427	157.293	0.951	Surcharged
13.000	15 min Summer	0	PS792	S54.2	0.000	0.000	0.000	0.000	OK
13.001	15 min Summer	0	S54.2	S54.1	0.000	0.000	0.000	0.000	OK
14.000	15 min Summer	0	PS795	S54.5	0.000	0.000	0.000	0.000	OK
14.001	15 min Summer	0	S54.5	S54.3	0.000	0.000	0.000	0.000	OK
14.002	15 min Summer	0	S54.3	S54.1	0.000	0.000	0.000	0.000	OK
15.000	15 min Summer	0	PS794	S54.1	0.000	0.000	0.000	0.000	OK
13.002	15 min Summer	8	S54.1	S54	0.075	0.000	0.000	0.000	OK
1.009	15 min Summer	10	S54	S85	0.363	1.756	191.954	1.368	OK
16.000	15 min Summer	0	1011	S85.3	0.000	0.000	0.000	0.000	OK
16.001	15 min Summer	0	S85.3	S85.2	0.000	0.000	0.000	0.000	OK
17.000	15 min Summer	0	PS220	S85.2	0.000	0.000	0.000	0.000	OK
16.002	15 min Summer	0	S85.2	S85.1	0.000	0.000	0.000	0.000	OK
18.000	15 min Summer	0	101	S85.1	0.000	0.000	0.000	0.000	OK
16.003	15 min Summer	10	S85.1	S85	0.038	0.000	0.000	0.000	OK
1.010	15 min Summer	10	S85	S55	0.335	1.859	193.490	1.249	OK
1.011	15 min Summer	10	S55	S56	0.268	1.980	193.645	0.720	OK
19.000	15 min Summer	0	PS872	S61.2	0.000	0.000	0.000	0.000	OK
20.000	15 min Summer	0	PS871	S61.2	0.000	0.000	0.000	0.000	OK
19.001	15 min Summer	0	S61.2	S61.1	0.000	0.000	0.000	0.000	OK
19.002	15 min Summer	0	S61.1	S56.1	0.000	0.000	0.000	0.000	OK
21.000	15 min Summer	0	PS870	S56.2	0.000	0.000	0.000	0.000	OK
21.001	15 min Summer	0	S56.2	S56.1	0.000	0.000	0.000	0.000	OK
19.003	15 min Summer	0	S56.1	S56	0.000	0.000	0.000	0.000	OK
1.012	15 min Summer	10	S56	S57	0.268	2.162	208.407	0.620	OK
1.013	15 min Summer	9	S57	S84	0.277	2.449	251.573	0.716	OK
1.014	15 min Summer	9	S84	S58	0.279	2.473	255.227	0.731	OK
22.000	15 min Summer	0	PS859	S60.4	0.000	0.000	0.000	0.000	OK
22.001	15 min Summer	0	S60.4	S60.3	0.000	0.000	0.000	0.000	OK
23.000	15 min Summer	0	PS861	S60.3	0.000	0.000	0.000	0.000	OK
22.002	15 min Summer	0	S60.3	S60.2	0.000	0.000	0.000	0.000	OK
22.003	15 min Summer	0	S60.2	S60.1	0.000	0.000	0.000	0.000	OK
24.000	15 min Summer	0	PS375	S60.1	0.000	0.000	0.000	0.000	OK
22.004	15 min Summer	8	S60.1	S60	0.005	0.000	0.000	0.000	OK
22.005	15 min Summer	8	S60	S58	0.085	1.306	17.981	0.309	OK
1.015	15 min Summer	10	S58	S59	0.315	2.470	290.449	0.308	OK
1.016	30 min Winter	20	S59	S80	0.450	1.654	219.548	1.453	OK
25.000	15 min Summer	0	PS838	S38.5	0.000	0.000	0.000	0.000	OK
25.001	15 min Summer	0	S38.5	S38.4	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
26.000	15 min Summer	0	PS252	S38.4	0.000	0.000	0.000	0.000	OK
25.002	15 min Summer	9	S38.4	S38.3	0.001	0.000	0.000	0.000	OK
27.000	15 min Summer	0	PS246	S38.1	0.000	0.000	0.000	0.000	OK
27.001	15 min Summer	9	S38.1	S38.3	0.001	0.000	0.000	0.000	OK
25.003	15 min Summer	9	S38.3	S38	0.038	0.044	0.010	0.001	OK
28.000	15 min Summer	0	PS263	S37.3	0.000	0.000	0.000	0.000	OK
28.001	15 min Summer	0	S37.3	S37	0.000	0.000	0.000	0.000	OK
28.002	15 min Summer	8	S37	S38	0.157	1.101	40.941	0.190	OK
29.000	15 min Summer	0	PS271	S38.7	0.000	0.000	0.000	0.000	OK
29.001	15 min Summer	0	S38.7	S38.6	0.000	0.000	0.000	0.000	OK
30.000	15 min Summer	0	PS873	S38.2	0.000	0.000	0.000	0.000	OK
30.001	15 min Summer	0	S38.2	S38.6	0.000	0.000	0.000	0.000	OK
29.002	15 min Summer	8	S38.6	S38	0.038	0.000	0.000	0.000	OK
25.004	15 min Summer	8	S38	S39	0.226	1.368	78.053	0.941	OK
31.000	15 min Summer	0	PS240	S39.1	0.000	0.000	0.000	0.000	OK
32.000	15 min Summer	0	PS840	S39.1	0.000	0.000	0.000	0.000	OK
31.001	15 min Summer	9	S39.1	S39	0.039	0.000	0.000	0.000	OK
25.005	15 min Summer	9	S39	S40	0.191	1.907	90.654	0.949	OK
33.000	15 min Summer	0	PS287	S40.1	0.000	0.000	0.000	0.000	OK
33.001	15 min Summer	0	S40.1	S40.2	0.000	0.000	0.000	0.000	OK
34.000	15 min Summer	0	PS881	S40.3	0.000	0.000	0.000	0.000	OK
34.001	15 min Summer	0	S40.3	S40.2	0.000	0.000	0.000	0.000	OK
33.002	15 min Summer	0	S40.2	S40	0.000	0.000	0.000	0.000	OK
25.006	15 min Summer	9	S40	S41	0.155	2.764	102.103	0.543	OK
35.000	15 min Summer	0	PS880	S41.2	0.000	0.000	0.000	0.000	OK
35.001	15 min Summer	0	S41.2	S41.1	0.000	0.000	0.000	0.000	OK
35.002	15 min Summer	0	S41.1	S41	0.000	0.000	0.000	0.000	OK
25.007	15 min Summer	9	S41	S42	0.180	2.159	112.806	0.467	OK
25.008	15 min Summer	9	S42	S43	0.180	2.396	125.156	0.492	OK
25.009	15 min Summer	9	S43	S44	0.211	1.957	125.439	0.413	OK
25.010	15 min Summer	9	S44	S45	0.271	1.827	155.991	0.782	OK
36.000	15 min Summer	0	PS877	S45.2	0.000	0.000	0.000	0.000	OK
36.001	15 min Summer	0	S45.2	S45.1	0.000	0.000	0.000	0.000	OK
36.002	15 min Summer	9	S45.1	S45	0.035	0.000	0.000	0.000	OK
25.011	15 min Summer	9	S45	S46	0.235	2.418	172.379	0.998	OK
37.000	15 min Summer	0	PS330	S46.3	0.000	0.000	0.000	0.000	OK
37.001	15 min Summer	0	S46.3	S46.4	0.000	0.000	0.000	0.000	OK
38.000	15 min Summer	0	PS319	S46.1	0.000	0.000	0.000	0.000	OK
39.000	15 min Summer	0	PS327	S46.2	0.000	0.000	0.000	0.000	OK
39.001	15 min Summer	0	S46.2	S46.1	0.000	0.000	0.000	0.000	OK
38.001	15 min Summer	0	S46.1	S46.4	0.000	0.000	0.000	0.000	OK
37.002	15 min Summer	0	S46.4	S46	0.000	0.000	0.000	0.000	OK
25.012	15 min Summer	10	S46	S47	0.279	1.972	170.676	0.404	OK
25.013	15 min Winter	12	S47	S80	0.375	1.661	151.234	1.425	Surcharged
40.000	15 min Summer	0	PS54	S66.2	0.000	0.000	0.000	0.000	OK
40.001	15 min Summer	0	S66.2	S66.1	0.000	0.000	0.000	0.000	OK
41.000	15 min Summer	0	PS789	S66.3	0.000	0.000	0.000	0.000	OK
41.001	15 min Summer	0	S66.3	S66.1	0.000	0.000	0.000	0.000	OK
42.000	15 min Summer	0	PS781	S66.1	0.000	0.000	0.000	0.000	OK
40.002	15 min Summer	0	S66.1	S66	0.000	0.000	0.000	0.000	OK
43.000	15 min Summer	0	S66.5	S66.4	0.000	0.000	0.000	0.000	OK
43.001	15 min Summer	0	S66.4	S66	0.000	0.000	0.000	0.000	OK
40.003	15 min Summer	8	S66	S67	0.104	1.593	34.773	0.266	OK
44.000	15 min Summer	0	PS78	S77.2	0.000	0.000	0.000	0.000	OK
44.001	15 min Summer	8	S77.2	S78	0.074	0.000	0.000	0.000	OK
45.000	15 min Summer	0	PS948	S78.2	0.000	0.000	0.000	0.000	OK
45.001	15 min Summer	10	S78.2	S78.1	0.027	0.175	0.189	0.143	OK
46.000	15 min Summer	0	PS950	S78.1	0.000	0.000	0.000	0.000	OK
45.002	15 min Summer	10	S78.1	S78	0.062	0.222	0.306	0.015	OK
44.002	15 min Summer	8	S78	S74	0.165	0.807	32.239	0.506	OK
47.000	15 min Summer	0	PS72	S74.1	0.000	0.000	0.000	0.000	OK
47.001	15 min Summer	0	S74.1	S74	0.000	0.000	0.000	0.000	OK
44.003	15 min Summer	9	S74	S67	0.176	1.122	48.459	0.761	OK
48.000	15 min Summer	0	PS60	S67.1	0.000	0.000	0.000	0.000	OK
48.001	15 min Summer	0	S67.1	S67	0.000	0.000	0.000	0.000	OK
40.004	15 min Summer	8	S67	S86	0.195	2.483	164.243	0.415	OK
49.000	15 min Summer	0	PS812	S86.10	0.000	0.000	0.000	0.000	OK
50.000	15 min Summer	0	PS149	S86.10	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
49.001	15 min Summer	0	S86.10	S86.9	0.000	0.000	0.000	0.000	OK
49.002	15 min Summer	0	S86.9	S86.5	0.000	0.000	0.000	0.000	OK
51.000	15 min Summer	0	PS815	S86.8	0.000	0.000	0.000	0.000	OK
52.000	15 min Summer	0	PS817	S86.8	0.000	0.000	0.000	0.000	OK
51.001	15 min Summer	0	S86.8	S86.7	0.000	0.000	0.000	0.000	OK
51.002	15 min Summer	0	S86.7	S86.5	0.000	0.000	0.000	0.000	OK
53.000	15 min Summer	0	PS813	S86.6	0.000	0.000	0.000	0.000	OK
53.001	15 min Summer	0	S86.6	S86.5	0.000	0.000	0.000	0.000	OK
49.003	15 min Summer	9	S86.5	S86	0.032	0.000	0.000	0.000	OK
54.000	15 min Summer	0	PS182	S86.4	0.000	0.000	0.000	0.000	OK
54.001	15 min Summer	0	S86.4	S86.1	0.000	0.000	0.000	0.000	OK
55.000	15 min Summer	0	PS172	S86.3	0.000	0.000	0.000	0.000	OK
56.000	15 min Summer	0	PS178	S86.3	0.000	0.000	0.000	0.000	OK
55.001	15 min Summer	0	S86.3	S86.1	0.000	0.000	0.000	0.000	OK
57.000	15 min Summer	0	PS822	S86.2	0.000	0.000	0.000	0.000	OK
57.001	15 min Summer	0	S86.2	S86.1	0.000	0.000	0.000	0.000	OK
54.002	15 min Summer	0	S86.1	S86	0.000	0.000	0.000	0.000	OK
40.005	15 min Summer	9	S86	S68	0.207	2.287	163.339	0.393	OK
58.000	15 min Summer	0	S76.5	S76.4	0.000	0.000	0.000	0.000	OK
59.000	15 min Summer	0	PS208	S76.4	0.000	0.000	0.000	0.000	OK
58.001	15 min Summer	0	S76.4	S76.3	0.000	0.000	0.000	0.000	OK
58.002	15 min Summer	8	S76.3	S76	0.042	0.000	0.000	0.000	OK
60.000	15 min Summer	8	S76.2	S76	0.017	0.000	0.000	0.000	OK
61.000	15 min Summer	0	PS855	S76.1	0.000	0.000	0.000	0.000	OK
62.000	15 min Summer	0	PS438	S76.1	0.000	0.000	0.000	0.000	OK
61.001	15 min Summer	8	S76.1	S76	0.042	0.000	0.000	0.000	OK
58.003	15 min Summer	8	S76	S68	0.159	1.740	52.029	0.860	OK
63.000	15 min Summer	0	PS409	S68.3	0.000	0.000	0.000	0.000	OK
63.001	15 min Summer	0	S68.3	S68.1	0.000	0.000	0.000	0.000	OK
64.000	15 min Summer	0	PS853	S68.2	0.000	0.000	0.000	0.000	OK
64.001	15 min Summer	0	S68.2	S68.1	0.000	0.000	0.000	0.000	OK
63.002	15 min Summer	0	S68.1	S68	0.000	0.000	0.000	0.000	OK
40.006	15 min Summer	9	S68	S69	0.278	2.409	280.637	0.643	OK
65.000	15 min Summer	8	S79	S69	0.095	1.917	36.636	0.220	OK
40.007	15 min Summer	9	S69	S70	0.262	3.088	332.811	0.511	OK
66.000	15 min Summer	8	S70.2	S70	0.013	0.733	0.525	0.015	OK
40.008	600 min Winter	565	S70	S71	0.312	1.396	32.427	0.050	OK
40.009	480 min Summer	422	S71	S72	0.525	1.361	142.282	0.298	OK
67.000	15 min Summer	0	PS883	S72.4	0.000	0.000	0.000	0.000	OK
67.001	15 min Summer	0	S72.4	S72.3	0.000	0.000	0.000	0.000	OK
68.000	15 min Summer	0	PS857	S72.3	0.000	0.000	0.000	0.000	OK
67.002	15 min Summer	0	S72.3	S72.2	0.000	0.000	0.000	0.000	OK
67.003	15 min Summer	0	S72.2	S72.1	0.000	0.000	0.000	0.000	OK
69.000	15 min Summer	0	PS386	S72.1	0.000	0.000	0.000	0.000	OK
67.004	60 min Summer	51	S72.1	S72	0.075	0.000	0.000	0.000	OK
40.010	60 min Winter	59	S72	S73	0.525	1.666	179.423	0.306	OK
40.011	30 min Winter	28	S73	S80	0.525	2.256	270.209	0.904	OK
1.017	30 min Winter	23	S80	S81	0.525	0.958	101.172	0.056	OK
1.018	600 min Winter	579	S81	S82	0.043	1.393	8.592	0.045	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
PS88	15 min Summer	11	87.495	0.037	1.247		OK
S65.7	15 min Summer	11	87.499	0.361	1.741		Surcharged
PS842	-	0	87.501	0.000	0.000		OK
S65.6	15 min Summer	11	87.495	0.514	1.808		Surcharged
S65.5	15 min Summer	11	87.492	0.644	1.001		Surcharged
PS850	15 min Summer	11	87.494	0.098	0.000		OK
S65.2	15 min Summer	11	87.491	0.386	1.504		Surcharged
S65.1	15 min Summer	11	87.478	0.781	3.067		Surcharged
S65	15 min Summer	10	87.492	0.987	37.061		Surcharged
PS15	15 min Summer	11	87.489	0.076	0.000		OK
S62.2	15 min Summer	11	87.481	0.466	0.000		Surcharged
S62.1	15 min Summer	10	87.484	0.550	4.735		Surcharged
S62.3	15 min Summer	10	87.485	0.601	6.074		Surcharged
S62	15 min Summer	10	87.489	0.809	23.641		Surcharged
S63	15 min Summer	10	87.487	1.137	110.320		Surcharged
0	-	0	87.904	0.000	0.000		OK
S64.3	-	0	87.666	0.000	0.000		OK
S64.2	-	0	87.567	0.000	0.000		OK
PS834	-	0	87.937	0.000	0.000		OK
S64.1	-	0	87.736	0.000	0.000		OK
S64	15 min Summer	11	87.050	1.024	101.514		Surcharged
S87	15 min Summer	10	87.018	0.399	6.186		Surcharged
S49	15 min Summer	11	87.002	0.520	18.675		Surcharged
S50.3	-	0	87.953	0.000	0.000		OK
S50	15 min Summer	10	86.995	0.613	46.546		Surcharged
PS6	-	0	88.040	0.000	0.000		OK
PS5	-	0	88.043	0.000	0.000		OK
S51.3	-	0	87.676	0.000	0.000		OK
PS2	-	0	87.840	0.000	0.000		OK
S51.2	-	0	87.339	0.000	0.000		OK
S51.1	-	0	87.269	0.000	0.000		OK
S51	15 min Summer	10	86.976	0.753	48.118		Surcharged
S53	15 min Summer	10	86.963	1.087	214.997		Surcharged
PS792	-	0	87.679	0.000	0.000		OK
S54.2	-	0	87.509	0.000	0.000		OK
PS795	-	0	87.732	0.000	0.000		OK
S54.5	-	0	87.582	0.000	0.000		OK
S54.3	-	0	87.210	0.000	0.000		OK
PS794	-	0	87.594	0.000	0.000		OK
S54.1	-	0	87.086	0.000	0.000		OK
S54	15 min Summer	10	86.683	0.995	270.754		Surcharged
1011	-	0	87.657	0.000	0.000		OK
S85.3	-	0	87.026	0.000	0.000		OK
PS220	-	0	87.599	0.000	0.000		OK
S85.2	-	0	86.878	0.000	0.000		OK
101	-	0	87.435	0.000	0.000		OK
S85.1	-	0	86.742	0.000	0.000		OK
S85	15 min Summer	11	86.074	0.577	256.242		Surcharged
S55	15 min Summer	10	85.846	0.512	254.395		Surcharged
PS872	-	0	87.941	0.000	0.000		OK
PS871	-	0	87.939	0.000	0.000		OK
S61.2	-	0	87.739	0.000	0.000		OK
S61.1	-	0	87.648	0.000	0.000		OK
PS870	-	0	87.868	0.000	0.000		OK
S56.2	-	0	87.565	0.000	0.000		OK
S56.1	-	0	87.343	0.000	0.000		OK
S56	15 min Summer	10	85.799	0.526	276.630		Surcharged
S57	15 min Summer	10	85.744	0.555	350.506		Surcharged
S84	15 min Summer	11	85.495	0.585	339.013		Surcharged
PS859	-	0	85.850	0.000	0.000		OK
S60.4	-	0	85.634	0.000	0.000		OK
PS861	-	0	85.843	0.000	0.000		OK
S60.3	-	0	85.510	0.000	0.000		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S60.2	-	0	85.410	0.000	0.000		OK
PS375	-	0	85.800	0.000	0.000		OK
S60.1	-	0	85.230	0.000	0.000		OK
S60	30 min Summer	19	85.180	0.180	16.494		OK
S58	30 min Summer	19	85.165	0.642	361.569		Surcharged
S59	30 min Summer	19	85.038	1.454	362.098		Surcharged
PS838	-	0	87.920	0.000	0.000		OK
S38.5	-	0	87.584	0.000	0.000		OK
PS252	-	0	87.526	0.000	0.000		OK
S38.4	-	0	87.276	0.000	0.000		OK
PS246	15 min Summer	10	87.038	0.001	0.000		OK
S38.1	15 min Summer	9	87.027	0.066	1.251		OK
S38.3	15 min Summer	10	87.025	0.591	0.838		Surcharged
PS263	-	0	87.713	0.000	0.000		OK
S37.3	-	0	87.413	0.000	0.000		OK
S37	15 min Summer	9	87.062	0.240	74.909		OK
PS271	-	0	87.581	0.000	0.000		OK
S38.7	-	0	87.274	0.000	0.000		OK
PS873	-	0	87.699	0.000	0.000		OK
S38.2	-	0	87.511	0.000	0.000		OK
S38.6	-	0	87.064	0.000	0.000		OK
S38	15 min Summer	9	87.023	0.815	141.383		Surcharged
PS240	-	0	86.972	0.000	0.000		OK
PS840	-	0	87.182	0.000	0.000		OK
S39.1	15 min Summer	10	86.674	0.053	0.000		OK
S39	15 min Summer	10	86.674	0.623	148.740		Surcharged
PS287	-	0	87.072	0.000	0.000		OK
S40.1	-	0	86.463	0.000	0.000		OK
PS881	-	0	86.637	0.000	0.000		OK
S40.3	-	0	86.324	0.000	0.000		OK
S40.2	15 min Summer	11	86.249	0.147	0.000		OK
S40	15 min Summer	11	86.247	0.396	148.802		Surcharged
PS880	-	0	86.510	0.000	0.000		OK
S41.2	-	0	86.115	0.000	0.000		OK
S41.1	15 min Summer	11	86.083	0.121	0.000		OK
S41	15 min Summer	11	86.080	0.572	163.261		Surcharged
S42	15 min Summer	11	85.974	0.709	176.728		Surcharged
S43	15 min Summer	11	85.923	0.768	178.753		Surcharged
S44	15 min Summer	11	85.862	0.892	208.101		Surcharged
PS877	-	0	85.813	0.000	0.000		OK
S45.2	30 min Summer	19	85.479	0.063	0.060		OK
S45.1	30 min Summer	19	85.475	0.343	0.475		Surcharged
S45	30 min Summer	19	85.470	0.890	213.022		Surcharged
PS330	-	0	85.844	0.000	0.000		OK
S46.3	-	0	85.535	0.000	0.000		OK
PS319	-	0	85.857	0.000	0.000		OK
PS327	-	0	85.736	0.000	0.000		OK
S46.2	-	0	85.663	0.000	0.000		OK
S46.1	-	0	85.386	0.000	0.000		OK
S46.4	30 min Summer	20	85.259	0.022	0.000		OK
S46	30 min Summer	20	85.259	0.847	201.264		Surcharged
S47	30 min Summer	20	85.108	1.411	201.735		Surcharged
PS54	-	0	87.676	0.000	0.000		OK
S66.2	-	0	87.456	0.000	0.000		OK
PS789	-	0	87.793	0.000	0.000		OK
S66.3	-	0	87.513	0.000	0.000		OK
PS781	-	0	87.723	0.000	0.000		OK
S66.1	-	0	87.289	0.000	0.000		OK
S66.5	-	0	87.767	0.000	0.000		OK
S66.4	-	0	87.369	0.000	0.000		OK
S66	15 min Summer	8	87.161	0.150	67.253		OK
PS78	-	0	87.335	0.000	0.000		OK
S77.2	-	0	86.994	0.000	0.000		OK
PS948	-	0	87.123	0.000	0.000		OK
S78.2	15 min Summer	9	86.833	0.136	0.277		OK
PS950	-	0	87.195	0.000	0.000		OK
S78.1	15 min Summer	9	86.834	0.138	0.248		OK
S78	15 min Summer	9	86.830	0.257	60.341		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
PS72	-	0	87.405	0.000	0.000		OK
S74.1	-	0	87.202	0.000	0.000		OK
S74	15 min Summer	9	86.758	0.292	91.021		OK
PS60	-	0	87.381	0.000	0.000		OK
S67.1	-	0	87.037	0.000	0.000		OK
S67	15 min Summer	8	86.555	0.294	312.582		OK
PS812	-	0	86.852	0.000	0.000		OK
PS149	-	0	86.987	0.000	0.000		OK
S86.10	-	0	86.642	0.000	0.000		OK
S86.9	-	0	86.581	0.000	0.000		OK
PS815	-	0	86.555	0.000	0.000		OK
PS817	-	0	86.397	0.000	0.000		OK
S86.8	-	0	86.154	0.000	0.000		OK
S86.7	15 min Summer	9	86.112	0.010	0.077		OK
PS813	-	0	86.617	0.000	0.000		OK
S86.6	-	0	86.564	0.000	0.000		OK
S86.5	15 min Summer	9	86.107	0.089	0.000		OK
PS182	-	0	86.682	0.000	0.000		OK
S86.4	-	0	86.336	0.000	0.000		OK
PS172	-	0	87.173	0.000	0.000		OK
PS178	-	0	87.566	0.000	0.000		OK
S86.3	-	0	86.826	0.000	0.000		OK
PS822	-	0	87.015	0.000	0.000		OK
S86.2	-	0	86.922	0.000	0.000		OK
S86.1	-	0	86.228	0.000	0.000		OK
S86	15 min Summer	8	86.106	0.288	311.468		OK
S76.5	-	0	87.015	0.000	0.000		OK
PS208	-	0	87.022	0.000	0.000		OK
S76.4	-	0	86.900	0.000	0.000		OK
S76.3	15 min Summer	10	86.686	0.227	0.000		Surcharged
S76.2	-	0	87.124	0.000	0.000		OK
PS855	-	0	86.875	0.000	0.000		OK
PS438	-	0	87.231	0.000	0.000		OK
S76.1	15 min Summer	10	86.679	0.161	0.000		Surcharged
S76	15 min Summer	10	86.675	0.675	81.672		Surcharged
PS409	-	0	86.068	0.000	0.000		OK
S68.3	-	0	85.769	0.000	0.000		OK
PS853	-	0	86.344	0.000	0.000		OK
S68.2	-	0	86.089	0.000	0.000		OK
S68.1	15 min Summer	9	85.709	0.031	0.458		OK
S68	15 min Summer	9	85.708	0.498	512.172		OK
S79	15 min Summer	8	86.064	0.134	70.722		OK
S69	15 min Summer	10	85.162	0.472	566.592		OK
S70.2	15 min Summer	8	84.957	0.017	1.010		OK
S70	1440 min Winter	1341	84.926	0.656	3.788		Surcharged
S71	1440 min Winter	1341	84.926	1.086	3.982		Surcharged
PS883	-	0	86.072	0.000	0.000		OK
S72.4	-	0	85.764	0.000	0.000		OK
PS857	-	0	85.892	0.000	0.000		OK
S72.3	-	0	85.370	0.000	0.000		OK
S72.2	-	0	85.270	0.000	0.000		OK
PS386	-	0	85.703	0.000	0.000		OK
S72.1	1440 min Winter	1326	84.926	0.236	0.000		Surcharged
S72	1440 min Winter	1341	84.926	1.286	4.219		Surcharged
S73	1440 min Winter	1341	84.926	1.466	4.234		Surcharged
S80	1440 min Winter	1340	84.926	1.526	9.478		Surcharged
S81	1440 min Winter	1340	84.926	2.554	9.710		Surcharged
S82	1440 min Winter	1343	81.615	0.045	9.710		Outfall

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
1.000	15 min Summer	12	PS88	S65.7	0.069	0.050	0.210	0.008	OK
1.001	15 min Winter	13	S65.7	S65.6	0.150	0.191	2.664	0.130	Surcharged
2.000	15 min Summer	8	PS842	S65.6	0.050	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
1.002	15 min Winter	13	S65.6	S65.5	0.100	0.685	5.383	0.472	Surcharged
1.003	15 min Winter	14	S65.5	S65.1	0.150	0.585	9.307	0.529	Surcharged
3.000	15 min Summer	11	PS850	S65.2	0.099	0.192	1.504	0.070	OK
3.001	15 min Winter	13	S65.2	S65.1	0.150	0.278	3.260	0.096	Surcharged
1.004	15 min Winter	13	S65.1	S65	0.150	0.879	15.542	1.039	Surcharged
1.005	15 min Winter	12	S65	S63	0.300	0.656	31.013	0.252	Surcharged
4.000	15 min Summer	11	PS15	S62.1	0.113	0.091	1.304	0.038	OK
5.000	15 min Winter	13	S62.2	S62.1	0.150	0.210	3.441	0.231	Surcharged
4.001	15 min Winter	13	S62.1	S62.3	0.150	0.490	7.487	0.353	Surcharged
4.002	15 min Winter	13	S62.3	S62	0.150	0.817	10.981	0.719	Surcharged
4.003	15 min Winter	8	S62	S63	0.300	0.493	30.258	0.131	Surcharged
1.006	15 min Winter	10	S63	S64	0.300	1.488	105.204	1.194	Surcharged
6.000	15 min Summer	0	0	S64.3	0.000	0.000	0.000	0.000	OK
6.001	15 min Summer	0	S64.3	S64.2	0.000	0.000	0.000	0.000	OK
6.002	15 min Summer	7	S64.2	S64	0.075	0.000	0.000	0.000	OK
7.000	15 min Summer	0	PS834	S64.1	0.000	0.000	0.000	0.000	OK
7.001	15 min Summer	7	S64.1	S64	0.075	0.000	0.000	0.000	OK
1.007	15 min Winter	12	S64	S53	0.300	1.556	109.980	1.252	Surcharged
8.000	15 min Summer	13	S87	S49	0.300	0.272	13.938	0.195	Surcharged
8.001	30 min Summer	21	S49	S50	0.300	0.910	36.491	0.457	Surcharged
9.000	15 min Summer	8	S50.3	S50	0.050	0.000	0.000	0.000	OK
8.002	15 min Winter	8	S50	S51	0.300	1.737	53.405	0.507	Surcharged
10.000	15 min Summer	0	PS6	S51.3	0.000	0.000	0.000	0.000	OK
11.000	15 min Summer	0	PS5	S51.3	0.000	0.000	0.000	0.000	OK
10.001	15 min Summer	0	S51.3	S51.2	0.000	0.000	0.000	0.000	OK
12.000	15 min Summer	0	PS2	S51.2	0.000	0.000	0.000	0.000	OK
10.002	15 min Summer	0	S51.2	S51.1	0.000	0.000	0.000	0.000	OK
10.003	15 min Summer	7	S51.1	S51	0.075	0.000	0.000	0.000	OK
8.003	15 min Winter	14	S51	S53	0.300	1.212	62.948	0.345	Surcharged
1.008	15 min Winter	11	S53	S54	0.375	1.877	207.285	1.253	Surcharged
13.000	15 min Summer	0	PS792	S54.2	0.000	0.000	0.000	0.000	OK
13.001	15 min Summer	0	S54.2	S54.1	0.000	0.000	0.000	0.000	OK
14.000	15 min Summer	0	PS795	S54.5	0.000	0.000	0.000	0.000	OK
14.001	15 min Summer	0	S54.5	S54.3	0.000	0.000	0.000	0.000	OK
14.002	15 min Summer	0	S54.3	S54.1	0.000	0.000	0.000	0.000	OK
15.000	15 min Summer	0	PS794	S54.1	0.000	0.000	0.000	0.000	OK
13.002	15 min Summer	6	S54.1	S54	0.075	0.000	0.000	0.000	OK
1.009	15 min Winter	10	S54	S85	0.375	2.319	256.131	1.826	Surcharged
16.000	15 min Summer	0	1011	S85.3	0.000	0.000	0.000	0.000	OK
16.001	15 min Summer	0	S85.3	S85.2	0.000	0.000	0.000	0.000	OK
17.000	15 min Summer	0	PS220	S85.2	0.000	0.000	0.000	0.000	OK
16.002	15 min Summer	0	S85.2	S85.1	0.000	0.000	0.000	0.000	OK
18.000	15 min Summer	0	101	S85.1	0.000	0.000	0.000	0.000	OK
16.003	15 min Summer	8	S85.1	S85	0.075	0.000	0.000	0.000	OK
1.010	30 min Summer	18	S85	S55	0.375	2.313	252.532	1.630	Surcharged
1.011	30 min Summer	19	S55	S56	0.450	2.065	254.224	0.946	OK
19.000	15 min Summer	0	PS872	S61.2	0.000	0.000	0.000	0.000	OK
20.000	15 min Summer	0	PS871	S61.2	0.000	0.000	0.000	0.000	OK
19.001	15 min Summer	0	S61.2	S61.1	0.000	0.000	0.000	0.000	OK
19.002	15 min Summer	0	S61.1	S56.1	0.000	0.000	0.000	0.000	OK
21.000	15 min Summer	0	PS870	S56.2	0.000	0.000	0.000	0.000	OK
21.001	15 min Summer	0	S56.2	S56.1	0.000	0.000	0.000	0.000	OK
19.003	15 min Summer	10	S56.1	S56	0.075	0.000	0.000	0.000	OK
1.012	30 min Summer	19	S56	S57	0.450	2.262	272.751	0.812	OK
1.013	15 min Winter	10	S57	S84	0.450	2.567	354.574	1.009	OK
1.014	15 min Winter	10	S84	S58	0.450	2.548	345.904	0.991	OK
22.000	15 min Summer	0	PS859	S60.4	0.000	0.000	0.000	0.000	OK
22.001	15 min Summer	0	S60.4	S60.3	0.000	0.000	0.000	0.000	OK
23.000	15 min Summer	0	PS861	S60.3	0.000	0.000	0.000	0.000	OK
22.002	15 min Summer	0	S60.3	S60.2	0.000	0.000	0.000	0.000	OK
22.003	15 min Summer	0	S60.2	S60.1	0.000	0.000	0.000	0.000	OK
24.000	15 min Summer	0	PS375	S60.1	0.000	0.000	0.000	0.000	OK
22.004	30 min Summer	19	S60.1	S60	0.052	0.000	0.000	0.000	OK
22.005	30 min Summer	19	S60	S58	0.202	1.436	30.771	0.528	OK
1.015	15 min Winter	9	S58	S59	0.450	2.796	399.351	0.424	OK
1.016	15 min Winter	10	S59	S80	0.450	2.463	383.854	2.540	OK
25.000	15 min Summer	0	PS838	S38.5	0.000	0.000	0.000	0.000	OK
25.001	15 min Summer	0	S38.5	S38.4	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
26.000	15 min Summer	0	PS252	S38.4	0.000	0.000	0.000	0.000	OK
25.002	15 min Summer	7	S38.4	S38.3	0.075	0.000	0.000	0.000	OK
27.000	15 min Summer	10	PS246	S38.1	0.033	0.005	0.001	0.000	OK
27.001	15 min Summer	10	S38.1	S38.3	0.108	0.074	0.838	0.016	OK
25.003	15 min Winter	11	S38.3	S38	0.150	0.314	4.569	0.227	Surcharged
28.000	15 min Summer	0	PS263	S37.3	0.000	0.000	0.000	0.000	OK
28.001	15 min Summer	9	S37.3	S37	0.045	0.000	0.000	0.000	OK
28.002	15 min Summer	9	S37	S38	0.270	1.336	73.554	0.342	OK
29.000	15 min Summer	0	PS271	S38.7	0.000	0.000	0.000	0.000	OK
29.001	15 min Summer	0	S38.7	S38.6	0.000	0.000	0.000	0.000	OK
30.000	15 min Summer	0	PS873	S38.2	0.000	0.000	0.000	0.000	OK
30.001	15 min Summer	0	S38.2	S38.6	0.000	0.000	0.000	0.000	OK
29.002	15 min Summer	6	S38.6	S38	0.075	0.000	0.000	0.000	OK
25.004	15 min Winter	9	S38	S39	0.300	1.816	128.356	1.548	Surcharged
31.000	15 min Summer	10	PS240	S39.1	0.027	0.000	0.000	0.000	OK
32.000	15 min Summer	10	PS840	S39.1	0.027	0.000	0.000	0.000	OK
31.001	15 min Summer	11	S39.1	S39	0.102	0.074	0.727	0.015	OK
25.005	30 min Summer	18	S39	S40	0.300	2.208	145.064	1.518	Surcharged
33.000	15 min Summer	0	PS287	S40.1	0.000	0.000	0.000	0.000	OK
33.001	15 min Summer	11	S40.1	S40.2	0.074	0.000	0.000	0.000	OK
34.000	15 min Summer	0	PS881	S40.3	0.000	0.000	0.000	0.000	OK
34.001	15 min Summer	11	S40.3	S40.2	0.074	0.000	0.000	0.000	OK
33.002	15 min Summer	12	S40.2	S40	0.149	0.464	2.649	0.165	OK
25.006	30 min Summer	18	S40	S41	0.300	3.036	159.582	0.848	Surcharged
35.000	15 min Summer	0	PS880	S41.2	0.000	0.000	0.000	0.000	OK
35.001	15 min Summer	11	S41.2	S41.1	0.061	0.000	0.000	0.000	OK
35.002	15 min Summer	12	S41.1	S41	0.136	0.389	2.646	0.078	OK
25.007	15 min Winter	10	S41	S42	0.375	2.251	171.779	0.711	Surcharged
25.008	15 min Winter	9	S42	S43	0.375	2.383	185.702	0.730	Surcharged
25.009	15 min Winter	10	S43	S44	0.375	1.884	178.104	0.587	Surcharged
25.010	15 min Winter	9	S44	S45	0.375	2.005	217.944	1.093	Surcharged
36.000	30 min Summer	19	PS877	S45.2	0.006	0.000	0.000	0.000	OK
36.001	30 min Summer	21	S45.2	S45.1	0.106	0.115	0.263	0.010	OK
36.002	15 min Winter	14	S45.1	S45	0.150	0.475	5.988	0.147	Surcharged
25.011	15 min Winter	9	S45	S46	0.375	2.437	234.760	1.359	Surcharged
37.000	15 min Summer	0	PS330	S46.3	0.000	0.000	0.000	0.000	OK
37.001	30 min Summer	20	S46.3	S46.4	0.011	0.000	0.000	0.000	OK
38.000	15 min Summer	0	PS319	S46.1	0.000	0.000	0.000	0.000	OK
39.000	15 min Summer	0	PS327	S46.2	0.000	0.000	0.000	0.000	OK
39.001	15 min Summer	0	S46.2	S46.1	0.000	0.000	0.000	0.000	OK
38.001	30 min Summer	20	S46.1	S46.4	0.011	0.000	0.000	0.000	OK
37.002	30 min Summer	21	S46.4	S46	0.086	0.015	0.137	0.002	OK
25.012	15 min Winter	9	S46	S47	0.375	2.312	224.240	0.531	Surcharged
25.013	15 min Winter	11	S47	S80	0.375	1.854	204.821	1.929	Surcharged
40.000	15 min Summer	0	PS54	S66.2	0.000	0.000	0.000	0.000	OK
40.001	15 min Summer	0	S66.2	S66.1	0.000	0.000	0.000	0.000	OK
41.000	15 min Summer	0	PS789	S66.3	0.000	0.000	0.000	0.000	OK
41.001	15 min Summer	0	S66.3	S66.1	0.000	0.000	0.000	0.000	OK
42.000	15 min Summer	0	PS781	S66.1	0.000	0.000	0.000	0.000	OK
40.002	15 min Summer	0	S66.1	S66	0.000	0.000	0.000	0.000	OK
43.000	15 min Summer	0	S66.5	S66.4	0.000	0.000	0.000	0.000	OK
43.001	15 min Summer	0	S66.4	S66	0.000	0.000	0.000	0.000	OK
40.003	15 min Summer	8	S66	S67	0.149	1.892	66.403	0.507	OK
44.000	15 min Summer	0	PS78	S77.2	0.000	0.000	0.000	0.000	OK
44.001	15 min Summer	6	S77.2	S78	0.075	0.000	0.000	0.000	OK
45.000	15 min Summer	9	PS948	S78.2	0.043	0.000	0.000	0.000	OK
45.001	15 min Summer	11	S78.2	S78.1	0.137	0.279	1.109	0.839	OK
46.000	15 min Summer	9	PS950	S78.1	0.044	0.000	0.000	0.000	OK
45.002	15 min Summer	11	S78.1	S78	0.144	0.284	2.595	0.124	OK
44.002	15 min Summer	9	S78	S74	0.275	0.903	60.728	0.954	OK
47.000	15 min Summer	0	PS72	S74.1	0.000	0.000	0.000	0.000	OK
47.001	15 min Summer	0	S74.1	S74	0.000	0.000	0.000	0.000	OK
44.003	15 min Summer	9	S74	S67	0.264	1.388	91.354	1.434	OK
48.000	15 min Summer	0	PS60	S67.1	0.000	0.000	0.000	0.000	OK
48.001	15 min Summer	0	S67.1	S67	0.000	0.000	0.000	0.000	OK
40.004	15 min Summer	8	S67	S86	0.291	2.863	311.376	0.787	OK
49.000	15 min Summer	0	PS812	S86.10	0.000	0.000	0.000	0.000	OK
50.000	15 min Summer	0	PS149	S86.10	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
49.001	15 min Summer	0	S86.10	S86.9	0.000	0.000	0.000	0.000	OK
49.002	15 min Summer	9	S86.9	S86.5	0.044	0.000	0.000	0.000	OK
51.000	15 min Summer	0	PS815	S86.8	0.000	0.000	0.000	0.000	OK
52.000	15 min Summer	0	PS817	S86.8	0.000	0.000	0.000	0.000	OK
51.001	15 min Summer	9	S86.8	S86.7	0.005	0.000	0.000	0.000	OK
51.002	15 min Summer	10	S86.7	S86.5	0.049	0.056	0.047	0.003	OK
53.000	15 min Summer	0	PS813	S86.6	0.000	0.000	0.000	0.000	OK
53.001	15 min Summer	9	S86.6	S86.5	0.044	0.000	0.000	0.000	OK
49.003	15 min Summer	10	S86.5	S86	0.119	0.221	1.960	0.126	OK
54.000	15 min Summer	0	PS182	S86.4	0.000	0.000	0.000	0.000	OK
54.001	15 min Summer	0	S86.4	S86.1	0.000	0.000	0.000	0.000	OK
55.000	15 min Summer	0	PS172	S86.3	0.000	0.000	0.000	0.000	OK
56.000	15 min Summer	0	PS178	S86.3	0.000	0.000	0.000	0.000	OK
55.001	15 min Summer	0	S86.3	S86.1	0.000	0.000	0.000	0.000	OK
57.000	15 min Summer	0	PS822	S86.2	0.000	0.000	0.000	0.000	OK
57.001	15 min Summer	0	S86.2	S86.1	0.000	0.000	0.000	0.000	OK
54.002	15 min Summer	0	S86.1	S86	0.000	0.000	0.000	0.000	OK
40.005	15 min Summer	9	S86	S68	0.355	2.351	309.292	0.743	OK
58.000	15 min Summer	0	S76.5	S76.4	0.000	0.000	0.000	0.000	OK
59.000	15 min Summer	0	PS208	S76.4	0.000	0.000	0.000	0.000	OK
58.001	15 min Summer	9	S76.4	S76.3	0.075	0.000	0.000	0.000	OK
58.002	15 min Summer	11	S76.3	S76	0.150	0.239	3.794	0.109	Surcharged
60.000	15 min Summer	7	S76.2	S76	0.113	0.000	0.000	0.000	OK
61.000	15 min Summer	10	PS855	S76.1	0.075	0.000	0.000	0.000	OK
62.000	15 min Summer	10	PS438	S76.1	0.075	0.000	0.000	0.000	OK
61.001	15 min Summer	11	S76.1	S76	0.150	0.430	4.726	0.086	Surcharged
58.003	15 min Summer	10	S76	S68	0.225	2.150	85.481	1.412	OK
63.000	15 min Summer	0	PS409	S68.3	0.000	0.000	0.000	0.000	OK
63.001	15 min Summer	9	S68.3	S68.1	0.016	0.000	0.000	0.000	OK
64.000	15 min Summer	0	PS853	S68.2	0.000	0.000	0.000	0.000	OK
64.001	15 min Summer	9	S68.2	S68.1	0.016	0.000	0.000	0.000	OK
63.002	15 min Summer	10	S68.1	S68	0.052	0.253	0.502	0.028	OK
40.006	15 min Summer	9	S68	S69	0.472	2.608	509.007	1.166	OK
65.000	15 min Summer	10	S79	S69	0.184	2.206	70.276	0.423	OK
40.007	15 min Summer	10	S69	S70	0.498	3.221	583.592	0.897	OK
66.000	15 min Summer	9	S70.2	S70	0.083	0.871	1.004	0.028	OK
40.008	30 min Summer	17	S70	S71	0.525	2.772	538.929	0.825	OK
40.009	15 min Winter	9	S71	S72	0.525	2.682	580.516	1.217	OK
67.000	15 min Summer	0	PS883	S72.4	0.000	0.000	0.000	0.000	OK
67.001	15 min Summer	0	S72.4	S72.3	0.000	0.000	0.000	0.000	OK
68.000	15 min Summer	0	PS857	S72.3	0.000	0.000	0.000	0.000	OK
67.002	15 min Summer	0	S72.3	S72.2	0.000	0.000	0.000	0.000	OK
67.003	360 min Summer	328	S72.2	S72.1	0.075	0.000	0.000	0.000	OK
69.000	360 min Summer	328	PS386	S72.1	0.075	0.000	0.000	0.000	OK
67.004	600 min Winter	439	S72.1	S72	0.150	0.511	8.684	0.218	Surcharged
40.010	15 min Winter	9	S72	S73	0.525	2.761	595.830	1.016	OK
40.011	15 min Winter	11	S73	S80	0.525	3.282	594.218	1.988	OK
1.017	15 min Winter	11	S80	S81	0.525	1.304	136.982	0.076	OK
1.018	1440 min Winter	1343	S81	S82	0.045	1.444	9.710	0.051	OK

Return Period Yrs: 100.0

Climate Change %: 40

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
PS88	15 min Summer	12	87.831	0.373	0.978		Flood Risk
S65.7	15 min Summer	12	87.830	0.692	1.878		Flood Risk
PS842	15 min Summer	12	87.828	0.327	0.899		Flood Risk
S65.6	15 min Summer	12	87.824	0.843	3.245		Surcharged
S65.5	15 min Summer	11	87.838	0.990	11.078		Surcharged
PS850	15 min Summer	11	87.902	0.505	0.000		Flood Risk
S65.2	15 min Summer	11	87.900	0.795	0.187		Flood Risk
S65.1	15 min Summer	11	87.888	1.192	10.956		Flood Risk
S65	15 min Summer	10	87.913	1.408	45.488		Flood Risk
PS15	15 min Summer	11	87.951	0.538	0.000		Flood Risk
S62.2	15 min Summer	11	87.946	0.931	0.000		Flood Risk
S62.1	15 min Summer	11	87.938	1.004	3.421		Flood Risk
S62.3	15 min Summer	11	87.928	1.044	4.908		Flood Risk
S62	15 min Summer	10	87.912	1.232	29.017		Flood Risk
S63	15 min Summer	10	87.910	1.560	118.796		Flood Risk
0	-	0	87.904	0.000	0.000		OK
S64.3	-	0	87.666	0.000	0.000		OK
S64.2	-	0	87.567	0.000	0.000		OK
PS834	-	0	87.937	0.000	0.000		OK
S64.1	-	0	87.736	0.000	0.000		OK
S64	15 min Summer	11	87.476	1.450	103.921		Surcharged
S87	15 min Summer	11	87.447	0.828	0.000		Surcharged
S49	15 min Summer	11	87.444	0.961	24.892		Surcharged
S50.3	-	0	87.953	0.000	0.000		OK
S50	15 min Summer	11	87.431	1.049	46.001		Surcharged
PS6	-	0	88.040	0.000	0.000		OK
PS5	-	0	88.043	0.000	0.000		OK
S51.3	-	0	87.676	0.000	0.000		OK
PS2	-	0	87.840	0.000	0.000		OK
S51.2	15 min Summer	11	87.408	0.069	0.033		OK
S51.1	15 min Summer	11	87.401	0.133	0.009		OK
S51	15 min Summer	11	87.395	1.172	48.428		Surcharged
S53	15 min Summer	11	87.368	1.492	210.958		Surcharged
PS792	-	0	87.679	0.000	0.000		OK
S54.2	-	0	87.509	0.000	0.000		OK
PS795	-	0	87.732	0.000	0.000		OK
S54.5	-	0	87.582	0.000	0.000		OK
S54.3	-	0	87.210	0.000	0.000		OK
PS794	-	0	87.594	0.000	0.000		OK
S54.1	15 min Summer	11	87.089	0.003	0.000		OK
S54	15 min Summer	11	87.068	1.380	260.342		Surcharged
1011	-	0	87.657	0.000	0.000		OK
S85.3	-	0	87.026	0.000	0.000		OK
PS220	-	0	87.599	0.000	0.000		OK
S85.2	-	0	86.878	0.000	0.000		OK
101	-	0	87.435	0.000	0.000		OK
S85.1	-	0	86.742	0.000	0.000		OK
S85	15 min Summer	11	86.420	0.923	269.099		Surcharged
S55	15 min Summer	11	86.163	0.829	273.623		Surcharged
PS872	-	0	87.941	0.000	0.000		OK
PS871	-	0	87.939	0.000	0.000		OK
S61.2	-	0	87.739	0.000	0.000		OK
S61.1	-	0	87.648	0.000	0.000		OK
PS870	-	0	87.868	0.000	0.000		OK
S56.2	-	0	87.565	0.000	0.000		OK
S56.1	-	0	87.343	0.000	0.000		OK
S56	15 min Summer	11	86.102	0.829	296.227		Surcharged
S57	15 min Summer	11	86.040	0.851	354.229		Surcharged
S84	30 min Summer	19	85.779	0.869	349.424		Surcharged
PS859	-	0	85.850	0.000	0.000		OK
S60.4	-	0	85.634	0.000	0.000		OK
PS861	-	0	85.843	0.000	0.000		OK
S60.3	-	0	85.510	0.000	0.000		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S60.2	30 min Summer	19	85.457	0.047	0.000		OK
PS375	-	0	85.800	0.000	0.000		OK
S60.1	30 min Summer	19	85.456	0.226	0.068		Surcharged
S60	30 min Summer	19	85.452	0.452	20.481		Surcharged
S58	30 min Summer	19	85.421	0.898	392.683		Surcharged
S59	30 min Summer	19	85.270	1.687	392.245		Flood Risk
PS838	-	0	87.920	0.000	0.000		OK
S38.5	-	0	87.584	0.000	0.000		OK
PS252	-	0	87.526	0.000	0.000		OK
S38.4	15 min Summer	10	87.412	0.136	3.811		OK
PS246	15 min Summer	10	87.398	0.360	1.180		Surcharged
S38.1	15 min Summer	10	87.405	0.443	2.458		Surcharged
S38.3	15 min Summer	10	87.408	0.974	7.584		Surcharged
PS263	-	0	87.713	0.000	0.000		OK
S37.3	15 min Summer	10	87.478	0.066	0.292		OK
S37	15 min Summer	10	87.480	0.658	76.458		Surcharged
PS271	-	0	87.581	0.000	0.000		OK
S38.7	15 min Summer	10	87.414	0.140	0.000		OK
PS873	-	0	87.699	0.000	0.000		OK
S38.2	-	0	87.511	0.000	0.000		OK
S38.6	15 min Summer	10	87.412	0.348	0.500		Surcharged
S38	15 min Summer	10	87.413	1.205	146.808		Surcharged
PS240	15 min Summer	11	87.026	0.054	0.000		OK
PS840	-	0	87.182	0.000	0.000		OK
S39.1	15 min Summer	11	87.027	0.406	0.680		Surcharged
S39	15 min Summer	11	87.025	0.974	142.007		Surcharged
PS287	-	0	87.072	0.000	0.000		OK
S40.1	15 min Summer	11	86.592	0.129	0.454		OK
PS881	-	0	86.637	0.000	0.000		OK
S40.3	15 min Summer	11	86.596	0.272	0.000		Surcharged
S40.2	15 min Summer	11	86.591	0.489	0.665		Surcharged
S40	15 min Summer	11	86.585	0.733	160.176		Surcharged
PS880	-	0	86.510	0.000	0.000		OK
S41.2	15 min Summer	11	86.401	0.286	0.000		Surcharged
S41.1	15 min Summer	11	86.400	0.438	0.347		Surcharged
S41	15 min Summer	11	86.397	0.890	173.174		Surcharged
S42	15 min Summer	11	86.278	1.013	187.655		Surcharged
S43	15 min Summer	11	86.222	1.067	188.433		Surcharged
S44	30 min Summer	19	86.155	1.185	213.612		Surcharged
PS877	-	0	85.813	0.000	0.000		OK
S45.2	30 min Summer	20	85.758	0.341	0.000		Surcharged
S45.1	30 min Summer	20	85.756	0.625	0.146		Surcharged
S45	30 min Summer	20	85.755	1.175	219.283		Surcharged
PS330	-	0	85.844	0.000	0.000		OK
S46.3	-	0	85.535	0.000	0.000		OK
PS319	-	0	85.857	0.000	0.000		OK
PS327	-	0	85.736	0.000	0.000		OK
S46.2	-	0	85.663	0.000	0.000		OK
S46.1	30 min Summer	21	85.511	0.125	0.000		OK
S46.4	30 min Summer	21	85.511	0.274	0.229		Surcharged
S46	30 min Summer	21	85.511	1.099	210.530		Surcharged
S47	30 min Summer	21	85.344	1.647	211.225		Flood Risk
PS54	-	0	87.676	0.000	0.000		OK
S66.2	-	0	87.456	0.000	0.000		OK
PS789	-	0	87.793	0.000	0.000		OK
S66.3	-	0	87.513	0.000	0.000		OK
PS781	-	0	87.723	0.000	0.000		OK
S66.1	-	0	87.289	0.000	0.000		OK
S66.5	-	0	87.767	0.000	0.000		OK
S66.4	-	0	87.369	0.000	0.000		OK
S66	15 min Summer	8	87.180	0.169	82.186		OK
PS78	-	0	87.335	0.000	0.000		OK
S77.2	-	0	86.994	0.000	0.000		OK
PS948	-	0	87.123	0.000	0.000		OK
S78.2	15 min Summer	9	86.967	0.271	0.000		Surcharged
PS950	-	0	87.195	0.000	0.000		OK
S78.1	15 min Summer	9	86.967	0.271	0.215		Surcharged
S78	15 min Summer	9	86.967	0.393	73.811		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
PS72	-	0	87.405	0.000	0.000		OK
S74.1	-	0	87.202	0.000	0.000		OK
S74	15 min Summer	9	86.828	0.363	111.588		Surcharged
PS60	-	0	87.381	0.000	0.000		OK
S67.1	-	0	87.037	0.000	0.000		OK
S67	15 min Summer	10	86.666	0.406	324.999		OK
PS812	-	0	86.852	0.000	0.000		OK
PS149	-	0	86.987	0.000	0.000		OK
S86.10	-	0	86.642	0.000	0.000		OK
S86.9	-	0	86.581	0.000	0.000		OK
PS815	-	0	86.555	0.000	0.000		OK
PS817	15 min Summer	11	86.437	0.040	0.000		OK
S86.8	15 min Summer	10	86.447	0.292	2.541		Surcharged
S86.7	15 min Summer	10	86.446	0.343	3.221		Surcharged
PS813	-	0	86.617	0.000	0.000		OK
S86.6	-	0	86.564	0.000	0.000		OK
S86.5	15 min Summer	10	86.441	0.423	3.257		Surcharged
PS182	-	0	86.682	0.000	0.000		OK
S86.4	15 min Summer	10	86.452	0.116	2.504		OK
PS172	-	0	87.173	0.000	0.000		OK
PS178	-	0	87.566	0.000	0.000		OK
S86.3	-	0	86.826	0.000	0.000		OK
PS822	-	0	87.015	0.000	0.000		OK
S86.2	-	0	86.922	0.000	0.000		OK
S86.1	15 min Summer	10	86.439	0.211	4.873		Surcharged
S86	15 min Summer	10	86.436	0.617	333.658		Surcharged
S76.5	15 min Summer	10	87.148	0.133	1.914		OK
PS208	15 min Summer	10	87.150	0.128	2.035		OK
S76.4	15 min Summer	10	87.145	0.245	5.439		Surcharged
S76.3	15 min Summer	10	87.147	0.689	6.569		Surcharged
S76.2	15 min Summer	10	87.155	0.032	1.702		OK
PS855	15 min Summer	10	87.159	0.284	0.000		Surcharged
PS438	-	0	87.231	0.000	0.000		OK
S76.1	15 min Summer	10	87.153	0.635	0.736		Surcharged
S76	15 min Summer	10	87.149	1.149	99.461		Surcharged
PS409	15 min Summer	10	86.145	0.078	1.399		OK
S68.3	15 min Summer	10	86.143	0.373	2.736		Surcharged
PS853	-	0	86.344	0.000	0.000		OK
S68.2	15 min Summer	10	86.143	0.054	1.592		OK
S68.1	15 min Summer	10	86.139	0.461	5.338		Surcharged
S68	15 min Summer	10	86.138	0.928	533.959		Surcharged
S79	15 min Summer	8	86.081	0.151	86.426		OK
S69	15 min Summer	10	85.454	0.764	624.200		Surcharged
S70.2	2160 min Winter	1908	85.208	0.268	0.007		Surcharged
S70	2160 min Winter	1911	85.208	0.938	4.049		Surcharged
S71	2160 min Winter	1917	85.208	1.368	4.224		Surcharged
PS883	-	0	86.072	0.000	0.000		OK
S72.4	-	0	85.764	0.000	0.000		OK
PS857	-	0	85.892	0.000	0.000		OK
S72.3	-	0	85.370	0.000	0.000		OK
S72.2	-	0	85.270	0.000	0.000		OK
PS386	-	0	85.703	0.000	0.000		OK
S72.1	2160 min Winter	1911	85.208	0.518	0.011		Surcharged
S72	2160 min Winter	1920	85.208	1.568	4.405		Surcharged
S73	2160 min Winter	1920	85.208	1.748	4.415		Surcharged
S80	2160 min Winter	1917	85.207	1.807	10.124		Surcharged
S81	2160 min Winter	1917	85.207	2.835	10.228		Surcharged
S82	2160 min Winter	1917	81.616	0.046	10.228		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	15	PS88	S65.7	0.100	0.602	3.243	0.122	Surcharged
1.001	15 min Winter	15	S65.7	S65.6	0.150	0.375	6.619	0.323	Surcharged
2.000	15 min Winter	14	PS842	S65.6	0.100	0.263	2.062	0.127	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
1.002	15 min Winter	16	S65.6	S65.5	0.100	1.378	10.819	0.950	Surcharged
1.003	15 min Winter	16	S65.5	S65.1	0.150	0.935	16.531	0.939	Surcharged
3.000	15 min Winter	14	PS850	S65.2	0.100	0.430	3.346	0.155	Surcharged
3.001	15 min Winter	14	S65.2	S65.1	0.150	0.378	6.685	0.198	Surcharged
1.004	15 min Winter	15	S65.1	S65	0.150	1.363	24.082	1.611	Surcharged
1.005	30 min Summer	23	S65	S63	0.300	0.658	35.227	0.287	Surcharged
4.000	15 min Winter	14	PS15	S62.1	0.150	0.307	3.551	0.103	Surcharged
5.000	15 min Winter	15	S62.2	S62.1	0.150	0.266	4.702	0.316	Surcharged
4.001	15 min Winter	14	S62.1	S62.3	0.150	0.670	11.159	0.527	Surcharged
4.002	15 min Winter	15	S62.3	S62	0.150	1.027	15.051	0.986	Surcharged
4.003	15 min Winter	14	S62	S63	0.300	0.492	28.080	0.122	Surcharged
1.006	15 min Winter	9	S63	S64	0.300	1.616	114.264	1.297	Surcharged
6.000	15 min Summer	0	0	S64.3	0.000	0.000	0.000	0.000	OK
6.001	15 min Summer	0	S64.3	S64.2	0.000	0.000	0.000	0.000	OK
6.002	15 min Summer	6	S64.2	S64	0.075	0.000	0.000	0.000	OK
7.000	15 min Summer	0	PS834	S64.1	0.000	0.000	0.000	0.000	OK
7.001	15 min Summer	6	S64.1	S64	0.075	0.000	0.000	0.000	OK
1.007	15 min Winter	14	S64	S53	0.300	1.651	116.671	1.328	Surcharged
8.000	15 min Winter	15	S87	S49	0.300	0.313	16.830	0.235	Surcharged
8.001	30 min Summer	24	S49	S50	0.300	0.898	39.047	0.489	Surcharged
9.000	15 min Summer	7	S50.3	S50	0.050	0.000	0.000	0.000	OK
8.002	15 min Winter	16	S50	S51	0.300	1.667	55.965	0.532	Surcharged
10.000	15 min Summer	0	PS6	S51.3	0.000	0.000	0.000	0.000	OK
11.000	15 min Summer	0	PS5	S51.3	0.000	0.000	0.000	0.000	OK
10.001	15 min Summer	11	S51.3	S51.2	0.034	0.000	0.000	0.000	OK
12.000	15 min Summer	11	PS2	S51.2	0.034	0.000	0.000	0.000	OK
10.002	15 min Summer	12	S51.2	S51.1	0.101	0.316	0.327	0.014	OK
10.003	15 min Summer	12	S51.1	S51	0.141	0.167	1.910	0.024	OK
8.003	15 min Winter	16	S51	S53	0.300	1.181	68.641	0.376	Surcharged
1.008	15 min Winter	12	S53	S54	0.375	1.944	214.655	1.297	Surcharged
13.000	15 min Summer	0	PS792	S54.2	0.000	0.000	0.000	0.000	OK
13.001	15 min Summer	0	S54.2	S54.1	0.000	0.000	0.000	0.000	OK
14.000	15 min Summer	0	PS795	S54.5	0.000	0.000	0.000	0.000	OK
14.001	15 min Summer	0	S54.5	S54.3	0.000	0.000	0.000	0.000	OK
14.002	15 min Summer	0	S54.3	S54.1	0.000	0.000	0.000	0.000	OK
15.000	15 min Summer	11	PS794	S54.1	0.002	0.000	0.000	0.000	OK
13.002	15 min Summer	11	S54.1	S54	0.077	0.007	0.062	0.001	OK
1.009	15 min Winter	10	S54	S85	0.375	2.437	269.135	1.919	Surcharged
16.000	15 min Summer	0	1011	S85.3	0.000	0.000	0.000	0.000	OK
16.001	15 min Summer	0	S85.3	S85.2	0.000	0.000	0.000	0.000	OK
17.000	15 min Summer	0	PS220	S85.2	0.000	0.000	0.000	0.000	OK
16.002	15 min Summer	0	S85.2	S85.1	0.000	0.000	0.000	0.000	OK
18.000	15 min Summer	0	101	S85.1	0.000	0.000	0.000	0.000	OK
16.003	15 min Summer	7	S85.1	S85	0.075	0.000	0.000	0.000	OK
1.010	15 min Winter	12	S85	S55	0.375	2.437	269.149	1.737	Surcharged
1.011	15 min Winter	12	S55	S56	0.450	2.091	273.307	1.017	OK
19.000	15 min Summer	0	PS872	S61.2	0.000	0.000	0.000	0.000	OK
20.000	15 min Summer	0	PS871	S61.2	0.000	0.000	0.000	0.000	OK
19.001	15 min Summer	0	S61.2	S61.1	0.000	0.000	0.000	0.000	OK
19.002	15 min Summer	0	S61.1	S56.1	0.000	0.000	0.000	0.000	OK
21.000	15 min Summer	0	PS870	S56.2	0.000	0.000	0.000	0.000	OK
21.001	15 min Summer	0	S56.2	S56.1	0.000	0.000	0.000	0.000	OK
19.003	15 min Summer	8	S56.1	S56	0.075	0.000	0.000	0.000	OK
1.012	15 min Winter	12	S56	S57	0.450	2.307	292.731	0.872	OK
1.013	30 min Summer	16	S57	S84	0.450	2.563	374.494	1.066	OK
1.014	15 min Winter	10	S84	S58	0.450	2.570	361.975	1.037	OK
22.000	15 min Summer	0	PS859	S60.4	0.000	0.000	0.000	0.000	OK
22.001	15 min Summer	0	S60.4	S60.3	0.000	0.000	0.000	0.000	OK
23.000	15 min Summer	0	PS861	S60.3	0.000	0.000	0.000	0.000	OK
22.002	30 min Summer	19	S60.3	S60.2	0.023	0.000	0.000	0.000	OK
22.003	30 min Summer	20	S60.2	S60.1	0.098	0.077	0.838	0.043	OK
24.000	15 min Summer	10	PS375	S60.1	0.075	0.000	0.000	0.000	OK
22.004	30 min Summer	23	S60.1	S60	0.150	0.263	3.240	0.145	Surcharged
22.005	15 min Winter	9	S60	S58	0.225	1.462	35.435	0.608	OK
1.015	15 min Winter	9	S58	S59	0.450	2.825	419.150	0.445	OK
1.016	15 min Winter	9	S59	S80	0.450	2.551	405.737	2.685	OK
25.000	15 min Summer	0	PS838	S38.5	0.000	0.000	0.000	0.000	OK
25.001	15 min Summer	10	S38.5	S38.4	0.068	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
26.000	15 min Summer	10	PS252	S38.4	0.068	0.000	0.000	0.000	OK
25.002	15 min Summer	11	S38.4	S38.3	0.143	0.183	3.012	0.054	OK
27.000	15 min Winter	12	PS246	S38.1	0.150	0.343	2.826	0.197	Surcharged
27.001	30 min Summer	20	S38.1	S38.3	0.150	0.448	7.021	0.132	Surcharged
25.003	15 min Winter	12	S38.3	S38	0.150	0.620	10.952	0.543	Surcharged
28.000	15 min Summer	10	PS263	S37.3	0.033	0.000	0.000	0.000	OK
28.001	15 min Summer	11	S37.3	S37	0.108	0.034	0.323	0.008	OK
28.002	30 min Summer	16	S37	S38	0.300	1.346	80.096	0.372	Surcharged
29.000	15 min Summer	10	PS271	S38.7	0.070	0.000	0.000	0.000	OK
29.001	15 min Summer	11	S38.7	S38.6	0.145	0.249	2.992	0.098	OK
30.000	15 min Summer	0	PS873	S38.2	0.000	0.000	0.000	0.000	OK
30.001	15 min Summer	9	S38.2	S38.6	0.075	0.000	0.000	0.000	OK
29.002	30 min Summer	19	S38.6	S38	0.150	0.155	2.672	0.046	Surcharged
25.004	30 min Summer	16	S38	S39	0.300	1.976	139.646	1.684	Surcharged
31.000	15 min Summer	11	PS240	S39.1	0.102	0.122	0.680	0.015	OK
32.000	15 min Summer	9	PS840	S39.1	0.050	0.000	0.000	0.000	OK
31.001	30 min Summer	21	S39.1	S39	0.150	0.438	5.003	0.106	Surcharged
25.005	15 min Winter	9	S39	S40	0.300	2.284	158.330	1.657	Surcharged
33.000	15 min Summer	11	PS287	S40.1	0.064	0.000	0.000	0.000	OK
33.001	15 min Summer	12	S40.1	S40.2	0.139	0.114	1.620	0.046	OK
34.000	15 min Summer	10	PS881	S40.3	0.050	0.000	0.000	0.000	OK
34.001	15 min Winter	13	S40.3	S40.2	0.150	0.209	2.387	0.098	Surcharged
33.002	15 min Winter	14	S40.2	S40	0.150	0.645	6.214	0.387	Surcharged
25.006	30 min Summer	16	S40	S41	0.300	2.974	170.811	0.908	Surcharged
35.000	15 min Summer	10	PS880	S41.2	0.050	0.000	0.000	0.000	OK
35.001	15 min Winter	13	S41.2	S41.1	0.150	0.192	1.887	0.091	Surcharged
35.002	30 min Summer	22	S41.1	S41	0.150	0.422	5.900	0.175	Surcharged
25.007	15 min Winter	8	S41	S42	0.375	2.240	175.958	0.728	Surcharged
25.008	15 min Winter	8	S42	S43	0.375	2.371	190.085	0.748	Surcharged
25.009	15 min Winter	11	S43	S44	0.375	1.859	182.590	0.601	Surcharged
25.010	15 min Winter	9	S44	S45	0.375	2.073	228.982	1.149	Surcharged
36.000	15 min Summer	10	PS877	S45.2	0.050	0.000	0.000	0.000	OK
36.001	30 min Summer	24	S45.2	S45.1	0.150	0.272	3.902	0.148	Surcharged
36.002	30 min Summer	24	S45.1	S45	0.150	0.425	7.506	0.185	Surcharged
25.011	15 min Winter	9	S45	S46	0.375	2.610	242.727	1.405	Surcharged
37.000	15 min Summer	0	PS330	S46.3	0.000	0.000	0.000	0.000	OK
37.001	15 min Summer	11	S46.3	S46.4	0.075	0.000	0.000	0.000	OK
38.000	30 min Summer	21	PS319	S46.1	0.063	0.000	0.000	0.000	OK
39.000	15 min Summer	0	PS327	S46.2	0.000	0.000	0.000	0.000	OK
39.001	30 min Summer	21	S46.2	S46.1	0.063	0.000	0.000	0.000	OK
38.001	30 min Summer	23	S46.1	S46.4	0.138	0.178	1.794	0.043	OK
37.002	30 min Summer	23	S46.4	S46	0.150	0.171	3.031	0.054	Surcharged
25.012	15 min Winter	9	S46	S47	0.375	2.387	232.823	0.552	Surcharged
25.013	15 min Winter	12	S47	S80	0.375	1.965	217.006	2.044	Surcharged
40.000	15 min Summer	0	PS54	S66.2	0.000	0.000	0.000	0.000	OK
40.001	15 min Summer	0	S66.2	S66.1	0.000	0.000	0.000	0.000	OK
41.000	15 min Summer	0	PS789	S66.3	0.000	0.000	0.000	0.000	OK
41.001	15 min Summer	0	S66.3	S66.1	0.000	0.000	0.000	0.000	OK
42.000	15 min Summer	0	PS781	S66.1	0.000	0.000	0.000	0.000	OK
40.002	15 min Summer	0	S66.1	S66	0.000	0.000	0.000	0.000	OK
43.000	15 min Summer	0	S66.5	S66.4	0.000	0.000	0.000	0.000	OK
43.001	15 min Summer	8	S66.4	S66	0.009	0.000	0.000	0.000	OK
40.003	15 min Summer	9	S66	S67	0.205	1.891	81.588	0.623	OK
44.000	15 min Summer	0	PS78	S77.2	0.000	0.000	0.000	0.000	OK
44.001	15 min Summer	6	S77.2	S78	0.075	0.000	0.000	0.000	OK
45.000	15 min Summer	8	PS948	S78.2	0.050	0.000	0.000	0.000	OK
45.001	30 min Summer	18	S78.2	S78.1	0.150	0.176	1.821	1.378	Surcharged
46.000	15 min Summer	7	PS950	S78.1	0.050	0.000	0.000	0.000	OK
45.002	30 min Summer	18	S78.1	S78	0.150	0.206	3.567	0.170	Surcharged
44.002	15 min Winter	9	S78	S74	0.300	0.968	68.453	1.075	Surcharged
47.000	15 min Summer	0	PS72	S74.1	0.000	0.000	0.000	0.000	OK
47.001	15 min Summer	9	S74.1	S74	0.008	0.000	0.000	0.000	OK
44.003	15 min Summer	9	S74	S67	0.278	1.632	111.581	1.752	OK
48.000	15 min Summer	0	PS60	S67.1	0.000	0.000	0.000	0.000	OK
48.001	15 min Summer	10	S67.1	S67	0.011	0.000	0.000	0.000	OK
40.004	15 min Summer	10	S67	S86	0.428	2.880	372.350	0.941	OK
49.000	15 min Summer	0	PS812	S86.10	0.000	0.000	0.000	0.000	OK
50.000	15 min Summer	0	PS149	S86.10	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
49.001	15 min Summer	0	S86.10	S86.9	0.000	0.000	0.000	0.000	OK
49.002	15 min Summer	8	S86.9	S86.5	0.075	0.000	0.000	0.000	OK
51.000	15 min Summer	9	PS815	S86.8	0.050	0.000	0.000	0.000	OK
52.000	15 min Summer	11	PS817	S86.8	0.070	0.289	1.704	0.151	OK
51.001	15 min Summer	11	S86.8	S86.7	0.150	0.494	4.104	0.229	Surcharged
51.002	30 min Summer	19	S86.7	S86.5	0.150	0.308	3.018	0.202	Surcharged
53.000	15 min Summer	0	PS813	S86.6	0.000	0.000	0.000	0.000	OK
53.001	15 min Summer	8	S86.6	S86.5	0.075	0.000	0.000	0.000	OK
49.003	30 min Summer	19	S86.5	S86	0.150	0.620	10.367	0.665	Surcharged
54.000	15 min Summer	10	PS182	S86.4	0.058	0.000	0.000	0.000	OK
54.001	15 min Summer	11	S86.4	S86.1	0.133	0.375	4.916	0.313	OK
55.000	15 min Summer	0	PS172	S86.3	0.000	0.000	0.000	0.000	OK
56.000	15 min Summer	0	PS178	S86.3	0.000	0.000	0.000	0.000	OK
55.001	15 min Summer	10	S86.3	S86.1	0.075	0.000	0.000	0.000	OK
57.000	15 min Summer	0	PS822	S86.2	0.000	0.000	0.000	0.000	OK
57.001	15 min Summer	10	S86.2	S86.1	0.075	0.000	0.000	0.000	OK
54.002	15 min Summer	11	S86.1	S86	0.150	0.643	11.343	0.721	Surcharged
40.005	15 min Summer	9	S86	S68	0.450	2.292	349.550	0.840	OK
58.000	15 min Summer	11	S76.5	S76.4	0.141	0.242	2.326	0.121	OK
59.000	15 min Summer	11	PS208	S76.4	0.139	0.231	2.487	0.124	OK
58.001	15 min Summer	12	S76.4	S76.3	0.150	0.677	7.876	0.156	Surcharged
58.002	15 min Winter	11	S76.3	S76	0.150	0.361	6.386	0.184	Surcharged
60.000	15 min Summer	11	S76.2	S76	0.128	0.019	0.335	0.003	OK
61.000	15 min Summer	11	PS855	S76.1	0.150	0.215	3.274	0.104	Surcharged
62.000	15 min Summer	8	PS438	S76.1	0.075	0.000	0.000	0.000	OK
61.001	30 min Summer	19	S76.1	S76	0.150	0.372	6.567	0.120	Surcharged
58.003	15 min Winter	11	S76	S68	0.225	2.220	88.275	1.458	OK
63.000	15 min Summer	11	PS409	S68.3	0.114	0.191	2.305	0.080	OK
63.001	30 min Summer	19	S68.3	S68.1	0.150	0.269	3.559	0.201	Surcharged
64.000	15 min Summer	10	PS853	S68.2	0.002	0.000	0.000	0.000	OK
64.001	15 min Summer	11	S68.2	S68.1	0.102	0.093	0.936	0.028	OK
63.002	30 min Summer	19	S68.1	S68	0.150	0.919	7.162	0.404	Surcharged
40.006	15 min Winter	9	S68	S69	0.525	2.599	513.815	1.177	OK
65.000	15 min Summer	8	S79	S69	0.225	2.155	85.923	0.517	OK
40.007	15 min Winter	9	S69	S70	0.525	3.211	594.938	0.914	OK
66.000	30 min Summer	20	S70.2	S70	0.150	0.881	2.716	0.076	Surcharged
40.008	15 min Winter	10	S70	S71	0.525	2.787	603.341	0.923	OK
40.009	15 min Winter	10	S71	S72	0.525	2.897	627.217	1.315	OK
67.000	15 min Summer	0	PS883	S72.4	0.000	0.000	0.000	0.000	OK
67.001	15 min Summer	0	S72.4	S72.3	0.000	0.000	0.000	0.000	OK
68.000	15 min Summer	0	PS857	S72.3	0.000	0.000	0.000	0.000	OK
67.002	15 min Summer	0	S72.3	S72.2	0.000	0.000	0.000	0.000	OK
67.003	180 min Summer	145	S72.2	S72.1	0.075	0.000	0.000	0.000	OK
69.000	180 min Summer	145	PS386	S72.1	0.075	0.000	0.000	0.000	OK
67.004	2880 min Summer	1535	S72.1	S72	0.150	0.577	10.082	0.253	Surcharged
40.010	15 min Winter	9	S72	S73	0.525	3.006	650.806	1.109	OK
40.011	15 min Winter	10	S73	S80	0.525	3.610	648.436	2.169	OK
1.017	15 min Winter	10	S80	S81	0.525	1.185	145.597	0.080	OK
1.018	2160 min Winter	1917	S81	S82	0.047	1.465	10.228	0.053	OK