

Network Details

Manhole Schedule

Manhole	Catchment Area (ha)	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
S1 RE1	0.000	0.180	Type E	7.368	6.752	0.515	499890.808	101851.946
S1.2	0.000	0.450	Type E	7.409	6.631	0.678	499881.835	101854.620
S1 RE2	0.000	0.180	Type E	7.420	6.740	0.580	499887.174	101840.934
S1.3	0.000	0.450	Type E	7.368	6.590	0.678	499876.051	101845.401
S1.1	0.000	0.450	Type E	7.366	6.527	0.739	499874.327	101850.407
S1	0.084	1.350	Type C	7.118	5.824	0.994	499865.162	101847.741
S2 RE1	0.000	0.180	Type E	7.265	6.665	0.500	499883.074	101868.355
S2 RE5	0.000	0.180	Type E	7.259	6.313	0.846	499875.990	101866.119
S2.3	0.000	0.450	Type E	7.199	6.249	0.850	499876.766	101867.524
S2.2	0.000	0.450	Type E	7.148	6.128	0.920	499874.463	101875.062
S2	0.015	1.350	Type C	6.923	5.690	0.933	499857.005	101871.462
S3	0.002	1.350	Type C	7.059	5.533	1.226	499856.858	101895.543
S38 RE2	0.000	0.180	Type E	7.034	6.434	0.500	499875.563	101958.080
S38.2	0.000	0.450	Type E	7.093	6.093	0.900	499869.692	101951.620
S38 RE1	0.000	0.180	Type E	7.023	6.419	0.504	499854.368	101957.689
S38.1	0.000	0.450	Type E	7.107	5.607	1.400	499859.983	101946.875
S38	0.097	1.350	Type C	7.108	5.310	1.499	499858.406	101944.420
S4	0.203	1.500	Unknown	6.885	4.873	1.487	499870.459	101903.846
S39 RE2	0.000	0.180	Type E	6.801	6.198	0.503	499903.302	101939.554
S39.2	0.000	0.450	Type E	6.747	5.550	1.097	499915.996	101942.820
S39 RE1	0.000	0.180	Type E	6.698	6.098	0.500	499897.857	101950.616
S39.1	0.000	0.450	Type E	6.905	5.433	1.372	499913.224	101954.178
S39	0.092	1.350	Type B	6.868	5.059	1.508	499916.881	101954.890
S40 RE2	0.000	0.180	Type E	6.656	6.006	0.500	499943.737	101963.615
S40.3	0.000	0.450	Type E	6.714	5.716	0.848	499946.827	101949.291
S40 RE1	0.000	0.180	Type E	6.809	6.177	0.482	499927.914	101961.701
S40.2	0.000	0.450	Type E	6.670	5.320	1.200	499931.404	101945.471
S40.1	0.000	0.450	Type E	6.506	5.227	1.129	499932.735	101938.130
S40	0.000	1.350	Type C	6.486	4.954	1.232	499930.021	101934.649
S5 RE7	0.000	0.180	Type E	6.484	5.894	0.489	499914.091	101934.377
S5.10	0.000	0.450	Type E	6.576	5.576	0.900	499909.994	101933.538
S5.9	0.000	0.450	Type E	6.467	5.367	1.000	499913.214	101919.247
S5.8	0.000	0.450	Type E	6.447	5.181	1.166	499927.665	101922.485
S5	0.206	1.500	Unknown	6.340	4.638	1.163	499935.669	101916.873
S27 RE4	0.000	0.180	Type E	6.872	6.272	0.500	499928.612	101874.997
S27.7	0.000	0.450	Type E	6.896	6.195	0.601	499924.024	101873.426
S27 RE5	0.000	0.180	Type E	6.850	6.385	0.365	499940.551	101863.468
S27.6	0.000	0.450	Type E	6.965	6.001	0.864	499928.903	101858.712
S27 RE3	0.000	0.180	Type E	7.093	6.493	0.500	499914.685	101870.395
S27.5	0.000	0.450	Type E	7.109	6.434	0.575	499910.231	101868.733
S27.4	0.000	0.450	Type E	7.144	5.819	1.225	499915.029	101854.231
S27 RE2	0.000	0.180	Type E	7.195	6.588	0.507	499909.122	101864.814
S27 RE1	0.000	0.180	Type E	7.251	6.651	0.500	499894.716	101864.241
S27.3	0.000	0.450	Type E	7.319	6.461	0.757	499899.333	101862.109
S27.2	0.000	0.450	Type E	7.280	6.317	0.863	499902.279	101851.373
S27.1	0.000	0.450	Type E	7.313	5.662	1.501	499903.117	101850.240
S27	0.134	1.500	Type B	7.281	4.836	1.845	499904.723	101844.831
S28 RE4	0.000	0.180	Type E	6.605	6.005	0.500	499941.312	101871.443
S28.5	0.000	0.450	Type E	6.795	5.870	0.825	499944.971	101861.286
S28 RE3	0.000	0.180	Type E	6.579	5.979	0.500	499946.063	101875.823
S28.4	0.000	0.450	Type E	6.485	5.893	0.492	499952.630	101877.994
S28.3	0.000	0.450	Type E	6.638	5.711	0.827	499956.957	101865.432
S28 RE1	0.000	0.180	Type E	6.422	5.822	0.500	499961.203	101881.163
S28 RE2	0.000	0.180	Type E	6.231	5.631	0.500	499976.872	101885.927
S28.2	0.000	0.450	Type E	6.324	5.529	0.645	499969.141	101883.377
S28.1	0.000	0.450	Type E	6.420	5.370	0.901	499973.619	101871.413
S28	0.048	1.350	Unknown	6.347	4.690	1.057	499975.882	101869.896
S29 RE2	0.000	0.180	Type E	6.358	5.544	0.664	499982.166	101892.156
S29.3	0.000	0.450	Type E	6.541	5.380	1.011	499997.835	101897.155
S29.2	0.000	0.450	Type E	6.309	5.222	0.938	500003.048	101882.215
S29 RE1	0.000	0.180	Type E	6.360	5.612	0.599	499987.415	101876.708
S29.1	0.000	0.450	Type E	6.355	5.179	1.026	499999.279	101880.143
S29	0.009	1.350	Unknown	6.249	4.644	1.005	500000.563	101876.189
S30 RE5	0.000	0.180	Type E	6.582	5.922	0.509	500020.583	101906.490

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S30.4	0.000	0.450	Type E	6.291	5.641	0.500	500029.865	101902.004
S30.3	0.000	0.450	Type E	6.469	5.492	0.827	500023.236	101888.385
S30	0.094	1.350	Unknown	6.437	4.616	1.221	500011.845	101886.407
S116 RE3	0.000	0.180	Type E	6.659	5.954	0.605	499949.342	102012.783
S116.4	0.000	0.450	Type E	6.488	5.859	0.529	499956.728	102014.548
S116.3	0.000	0.450	Type E	6.471	5.731	0.640	499959.692	102004.736
S116 RE2	0.000	0.180	Type E	6.293	5.693	0.500	499985.086	102014.411
S116.2	0.000	0.450	Type E	6.340	5.638	0.602	499986.509	102010.341
S116 RE1	0.000	0.180	Type E	6.340	5.740	0.500	499968.925	102017.495
S116.1	0.000	0.450	Type E	6.292	5.290	0.902	499972.869	102005.965
S116	0.100	1.350	Unknown	6.250	4.660	0.990	499968.880	102004.358
S115 RE2	0.000	0.180	Type E	6.150	5.450	0.550	499952.116	101984.613
S115.2	0.000	0.450	Type E	6.143	5.265	0.728	499958.229	101971.692
S115 RE1	0.000	0.180	Type E	6.191	5.300	0.741	499967.543	101986.999
S115.1	0.000	0.450	Type E	6.145	5.164	0.831	499971.984	101977.826
S115 RE4	0.000	0.180	Type E	6.232	5.632	0.500	499996.917	101999.424
S115.7	0.000	0.450	Type E	6.256	5.578	0.579	499998.281	101995.537
S115 RE5	0.000	0.180	Type E	6.253	5.650	0.503	499980.052	102004.817
S115.6	0.000	0.450	Type E	6.256	5.316	0.789	499982.396	101989.766
S115 RE3	0.000	0.180	Type E	6.305	5.705	0.500	499998.887	101986.150
S115.5	0.000	0.450	Type E	6.380	5.626	0.654	500000.261	101982.017
S115.4	0.000	0.450	Type E	6.381	5.391	0.890	499986.933	101977.421
S115.3	0.000	0.450	Type E	6.390	5.170	1.070	499984.554	101981.787
S115	0.071	1.350	Unknown	6.230	4.616	1.014	499978.880	101980.017
S114 RE3	0.000	0.180	Type E	6.395	5.795	0.500	499964.882	101957.866
S114 RE4	0.000	0.180	Type E	6.309	5.588	0.621	499972.017	101970.714
S114.4	0.000	0.450	Type E	6.362	5.210	1.052	499975.665	101961.802
S114.3	0.000	0.450	Type E	6.443	5.149	1.194	499980.433	101960.702
S114 RE2	0.000	0.180	Type E	6.350	5.700	0.550	499999.412	101967.634
S114 RE1	0.000	0.180	Type E	6.431	5.814	0.517	499985.429	101974.321
S114.2	0.000	0.450	Type E	6.526	5.270	1.156	499988.443	101963.688
S114.1	0.000	0.450	Type E	6.656	5.144	1.412	499989.662	101958.793
S114	0.000	1.350	Unknown	6.534	4.569	1.366	499984.476	101955.748
S7 RE2	0.000	0.180	Type E	6.929	6.261	0.569	499979.563	101908.799
S7.2	0.000	0.450	Type E	6.761	6.009	0.652	499996.377	101914.713
S7 RE1	0.000	0.180	Type E	6.922	6.272	0.550	499981.733	101921.393
S7.1	0.000	0.450	Type E	6.883	5.521	1.262	499992.796	101925.118
S7	0.046	1.800	Type B	6.942	4.374	1.818	499995.594	101934.034
S8 RE4	0.000	0.180	Type E	6.929	6.329	0.500	500006.848	101972.731
S8.4	0.000	0.450	Type E	6.846	6.179	0.567	500018.719	101974.250
S8.3	0.000	0.450	Type E	6.976	6.055	0.822	500023.280	101965.403
S8 RE1	0.000	0.180	Type E	6.948	6.319	0.529	499995.348	101944.514
S8 RE2	0.000	0.180	Type E	6.836	6.150	0.586	500001.550	101961.559
S8.2	0.000	0.450	Type E	6.960	5.957	0.903	500008.253	101949.757
S8 RE3	0.000	0.180	Type E	6.963	6.313	0.550	500009.152	101965.562
S8.1	0.000	0.450	Type E	6.949	5.860	0.940	500016.985	101955.670
S8	0.051	1.800	Type B	6.990	4.318	1.922	500023.037	101948.013
S9 RE1	0.000	0.180	Type E	7.136	6.536	0.500	500024.308	101932.066
S9.3	0.000	0.450	Type E	6.993	6.385	0.508	500027.311	101920.378
S9.2	0.000	0.450	Type E	6.996	6.260	0.635	500037.007	101922.790
S9.1	0.000	0.450	Type E	7.085	5.865	1.120	500034.721	101932.314
S9	0.157	1.800	Type B	6.792	4.295	1.747	500035.372	101945.916
S155 RE2	0.000	0.180	Type E	6.335	5.735	0.500	500170.285	101992.305
S155.4	0.000	0.450	Type E	6.283	5.633	0.550	500178.317	101991.043
S155.3	0.000	0.450	Type E	6.303	5.430	0.773	500175.528	101975.014
S155.2	0.000	0.450	Type E	6.339	5.220	0.969	500154.798	101978.429
S155 RE1	0.000	0.180	Type E	6.331	5.690	0.541	500167.204	101955.500
S155.1	0.000	0.450	Type E	6.352	5.122	1.080	500150.768	101969.554
S153 RE2	0.000	0.180	Type E	6.157	5.507	0.550	500164.306	102015.002
S153.2	0.000	0.450	Type E	6.222	5.446	0.676	500165.525	102010.362
S153 RE1	0.000	0.180	Type E	6.189	5.540	0.550	500146.865	102021.878
S153.1	0.000	0.450	Type E	6.271	5.093	1.078	500150.486	102006.558
S153	0.064	1.350	Type C	6.092	4.737	0.980	500144.358	102004.678
S153 RE4	0.000	0.180	Type E	6.283	5.684	0.500	500179.337	102000.159
S154 RE4	0.000	0.180	Type E	6.273	5.678	0.495	500172.375	102002.385
S154.2	0.000	0.450	Type E	6.293	5.549	0.644	500172.786	102000.161
S154.1	0.000	0.450	Type E	6.192	5.392	0.700	500160.610	101998.697
S154	0.031	1.350	Type C	6.209	4.686	1.148	500147.130	101992.969

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S155	0.045	1.350	Type C	6.248	4.622	1.252	500141.872	101974.380
S72 RE3	0.000	0.180	Type E	6.383	5.783	0.500	500144.826	101946.664
S72.4	0.000	0.450	Type E	6.370	5.723	0.547	500140.483	101944.675
S72 RE4	0.000	0.180	Type E	6.323	5.722	0.501	500148.090	101964.082
S72.3	0.000	0.450	Type E	6.283	5.433	0.750	500133.072	101961.188
S72 RE1	0.000	0.180	Type E	6.058	5.458	0.500	500119.772	101942.737
S72 RE2	0.000	0.180	Type E	6.225	5.627	0.498	500132.801	101942.321
S72.2	0.000	0.450	Type E	6.265	5.315	0.850	500130.134	101945.387
S72.1	0.000	0.450	Type E	6.228	5.080	0.998	500126.830	101959.767
S72	0.093	1.350	Type C	6.060	4.549	1.136	500122.211	101964.707
S10 RE7	0.000	0.180	Type E	6.697	6.098	0.500	500066.073	101925.818
S10.12	0.000	0.450	Type E	6.643	5.917	0.627	500051.913	101922.860
S10 RE8	0.000	0.180	Type E	6.922	6.322	0.500	500040.437	101925.937
S10.13	0.000	0.450	Type E	6.947	6.103	0.744	500037.874	101937.140
S10.11	0.000	0.450	Type E	6.865	5.692	1.074	500047.807	101939.587
S10 RE6	0.000	0.180	Type E	6.686	6.036	0.550	500064.850	101933.393
S10.9	0.000	0.450	Type E	6.641	5.541	0.961	500062.440	101943.131
S10 RE5	0.000	0.180	Type E	6.522	5.872	0.550	500075.995	101925.878
S10.8	0.000	0.450	Type E	6.537	5.783	0.654	500074.334	101932.788
S10.7	0.000	0.450	Type E	6.496	5.696	0.700	500074.944	101934.549
S10.6	0.000	0.450	Type E	6.384	5.441	0.794	500072.220	101945.473
S10 RE4	0.000	0.180	Type E	6.286	5.636	0.550	500089.341	101937.676
S10.5	0.000	0.450	Type E	6.221	5.294	0.777	500086.450	101949.115
S10 RE3	0.000	0.180	Type E	6.170	5.570	0.500	500093.347	101938.103
S10.4	0.000	0.450	Type E	6.130	5.251	0.729	500090.565	101950.091
S10 RE2	0.000	0.180	Type E	6.102	5.489	0.513	500123.121	101935.949
S10.3	0.000	0.450	Type E	6.070	5.347	0.623	500120.029	101941.847
S10.2	0.000	0.450	Type E	6.105	5.146	0.859	500104.432	101938.221
S10 RE1	0.000	0.180	Type E	6.142	5.492	0.550	500110.890	101955.243
S10.1	0.000	0.450	Type E	6.173	4.910	1.163	500100.886	101952.689
S10	0.000	1.800	Unknown	5.907	4.186	1.063	500098.974	101960.618
S11	0.000	1.800	Unknown	5.952	4.150	1.052	500094.899	101974.757
S41 RE1	0.000	0.180	Type E	6.657	6.057	0.500	500012.523	101988.857
S41.2	0.000	0.450	Type E	6.635	5.998	0.537	500009.779	101985.007
S41 RE2	0.000	0.180	Type E	6.617	6.019	0.498	500030.542	101989.025
S41.1	0.000	0.450	Type E	6.708	5.716	0.892	500023.179	101975.515
S41	0.085	1.350	Type C	6.760	5.270	1.191	500034.649	101970.478
S42 RE1	0.000	0.180	Type E	6.443	5.843	0.500	500032.292	102011.178
S42.3	0.000	0.450	Type E	6.555	5.705	0.750	500024.073	102003.807
S42.2	0.000	0.450	Type E	6.520	5.514	0.906	500034.729	101992.935
S42 RE2	0.000	0.180	Type E	6.375	5.725	0.550	500041.908	102017.968
S42 RE3	0.000	0.180	Type E	6.405	5.776	0.529	500054.817	102007.797
S42.4	0.000	0.450	Type E	6.347	5.550	0.696	500045.982	102004.587
S42.1	0.000	0.450	Type E	6.609	5.373	1.086	500039.814	101998.223
S42	0.089	1.350	Type C	6.403	4.903	1.200	500044.524	101992.893
S117 RE2	0.000	0.180	Type E	6.613	5.908	0.605	500046.850	102042.851
S117.3	0.000	0.450	Type E	6.552	5.776	0.676	500057.174	102045.108
S117 RE1	0.000	0.180	Type E	6.457	5.857	0.500	500046.567	102035.277
S117.2	0.000	0.450	Type E	6.449	5.788	0.560	500048.455	102030.129
S117.1	0.000	0.450	Type E	6.384	5.384	0.900	500062.257	102035.186
S117	0.055	1.350	Type C	6.215	4.847	1.143	500068.497	102037.340
S45 RE3	0.000	0.180	Type E	6.167	5.568	0.500	500057.485	102024.907
S45.5	0.000	0.450	Type E	6.122	5.510	0.512	500053.334	102022.943
S45.4	0.000	0.450	Type E	6.209	5.200	0.909	500059.681	102010.783
S45.3	0.000	0.450	Type E	6.107	5.013	0.994	500073.698	102016.036
S45 RE2	0.000	0.180	Type E	5.920	5.095	0.675	500091.975	102038.422
S45.2	0.000	0.450	Type E	6.088	4.974	0.964	500077.026	102033.333
S45 RE1	0.000	0.180	Type E	5.779	5.077	0.552	500097.911	102023.652
S45.1	0.000	0.450	Type E	5.921	4.860	0.911	500082.053	102017.795
S45	0.037	1.800	Type C	5.972	4.437	1.085	500082.763	102009.718
S162	0.000	1.350	Type C	5.952	4.150	1.352	500094.262	101991.904
S12	0.015	1.800	Unknown	5.952	4.000	1.502	500126.198	102004.002
S158	0.015	1.500	Unknown	5.993	3.876	1.367	500131.948	102018.295
S71 RE2	0.000	0.180	Type E	6.446	5.745	0.550	500124.280	102114.027
S71.2	0.000	0.450	Type E	6.179	5.591	0.439	500130.476	102099.829
S71 RE1	0.000	0.180	Type E	6.676	6.026	0.550	500110.076	102102.190
S71.1	0.000	0.450	Type E	6.521	5.407	1.013	500113.828	102092.199
S71 RE4	0.000	0.180	Type E	6.650	6.000	0.550	500095.671	102071.644

Manhole Schedule

Manhole	Catchment Area (ha)	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
S71.6	0.000	0.450	Type E	6.478	5.678	0.700	500108.588	102076.347
S71 RE3	0.000	0.180	Type E	6.398	5.798	0.500	500092.069	102083.056
S71.5	0.000	0.450	Type E	6.541	5.615	0.826	500104.134	102086.993
S71.4	0.000	0.450	Type E	6.669	5.574	0.996	500105.927	102084.235
S71	0.222	1.200	Type B	6.459	4.576	1.583	500110.088	102085.650
S171	0.000	1.350	Type C	6.127	4.462	1.365	500121.432	102060.901
S44 RE2	0.000	0.180	Type E	5.765	5.065	0.600	500112.722	102045.002
S44.4	0.000	0.450	Type E	5.757	4.900	0.714	500103.725	102041.240
S44.3	0.000	0.450	Type E	5.652	4.741	0.761	500108.770	102027.663
S44 RE1	0.000	0.180	Type E	5.716	5.060	0.557	500119.855	102042.911
S44.2	0.000	0.450	Type E	5.748	4.791	0.807	500123.406	102032.800
S44.1	0.000	0.450	Type E	5.756	4.676	0.930	500113.635	102029.383
S44	0.097	1.350	Type C	5.640	4.218	0.971	500116.614	102021.391
S13	0.095	1.500	Unknown	5.791	3.858	1.183	500136.893	102027.271
S33 RE1	0.000	0.180	Type E	6.153	5.504	0.550	500034.432	101901.076
S33.2	0.000	0.450	Type E	6.309	5.370	0.839	500037.081	101890.748
S33 RE2	0.000	0.180	Type E	6.320	5.620	0.600	500039.560	101906.595
S33.3	0.000	0.450	Type E	6.304	5.547	0.656	500045.231	101907.948
S33.1	0.000	0.450	Type E	6.363	5.216	1.047	500049.230	101892.505
S33	0.195	1.350	Type C	6.259	4.743	1.066	500054.145	101889.235
S172	0.000	1.350	Type C	6.148	4.621	1.078	500100.061	101900.731
S161 RE3	0.000	0.180	Type E	6.597	5.897	0.550	500153.912	101934.580
S161 RE2	0.000	0.180	Type E	6.268	5.628	0.490	500117.109	101925.761
S161.3	0.000	0.450	Type E	6.370	5.487	0.733	500130.894	101928.934
S161 RE1	0.000	0.180	Type E	6.804	6.104	0.550	500153.391	101917.974
S161.2	0.000	0.450	Type E	6.599	5.000	1.449	500135.136	101913.676
S161 RE4	0.000	0.180	Type E	6.155	5.493	0.512	500101.525	101921.788
S161.5	0.000	0.450	Type E	6.211	5.377	0.684	500112.843	101924.436
S161 RE5	0.000	0.180	Type E	6.418	5.768	0.550	500110.725	101907.729
S161.4	0.000	0.450	Type E	6.410	5.219	1.090	500116.917	101909.166
S161.1	0.000	0.450	Type E	6.573	4.928	1.495	500129.557	101912.302
S161	0.101	1.350	Type C	6.467	4.542	1.476	500130.644	101908.389
S34 RE3	0.000	0.180	Type E	6.598	5.948	0.500	500165.945	101938.565
S34 RE2	0.000	0.180	Type E	6.086	5.486	0.450	500194.028	101948.879
S34.3	0.000	0.450	Type E	6.261	5.346	0.765	500181.030	101943.740
S34 RE1	0.000	0.180	Type E	6.801	6.100	0.550	500170.217	101923.480
S34.2	0.000	0.450	Type E	6.467	5.173	1.144	500188.165	101928.009
F34.1	0.000	0.450	Type E	6.441	5.099	1.192	500195.157	101930.450
S34	0.011	1.350	Type C	6.218	4.353	1.415	500200.021	101925.759
S35	0.076	1.350	Type C	5.940	4.311	1.179	500210.391	101938.189
S36 RE2	0.000	0.180	Type E	5.792	5.192	0.500	500205.685	101967.254
S36.6	0.000	0.450	Type E	5.819	5.051	0.668	500194.400	101967.028
S36.3	0.000	0.450	Type E	5.846	4.930	0.816	500193.987	101976.662
S36.2	0.000	0.450	Type E	5.891	4.794	0.996	500204.828	101977.362
S36 RE3	0.000	0.180	Type E	6.163	5.513	0.550	500187.136	101989.108
S36.5	0.000	0.450	Type E	6.273	5.454	0.719	500187.470	101984.366
S36 RE4	0.000	0.180	Type E	6.169	5.588	0.480	500201.528	102000.546
S36.4	0.000	0.450	Type E	5.970	5.146	0.723	500203.048	101985.165
S36.1	0.000	0.450	Type E	5.955	4.600	1.205	500204.642	101983.052
S36	0.065	1.350	Type C	5.853	4.198	1.205	500210.946	101983.503
S37 RE1	0.000	0.180	Type E	6.291	5.680	0.511	500184.328	102005.365
S37.4	0.000	0.450	Type E	6.354	5.591	0.663	500191.300	102006.803
S37.3	0.000	0.450	Type E	6.354	5.572	0.682	500192.785	102006.322
S37.2	0.000	0.450	Type E	6.285	5.440	0.745	500202.792	102008.323
S37.1	0.000	0.450	Type E	6.389	5.325	0.964	500201.228	102017.305
S37	0.043	1.350	Type B	6.293	4.097	1.746	500206.342	102020.225
S14	0.098	1.800	Type B	6.001	3.723	1.528	500194.551	102046.118
S15	0.020	1.350	Unknown	5.553	3.568	1.235	500233.723	102065.645
S56 RE1	0.000	0.180	Type E	5.944	5.198	0.645	500313.717	102073.368
S56.2	0.000	0.450	Type E	5.845	5.045	0.699	500301.722	102071.026
S56 RE2	0.000	0.180	Type E	5.875	5.275	0.500	500321.067	102055.105
S56.3	0.000	0.450	Type E	5.902	5.166	0.636	500316.053	102062.201
S56.1	0.000	0.450	Type E	5.852	4.907	0.844	500303.914	102060.196
S56	0.053	1.350	Type C	5.919	4.307	1.312	500304.126	102046.006
S57 RE2	0.000	0.180	Type E	5.807	5.206	0.501	500341.515	102043.262
S57.3	0.000	0.450	Type E	5.700	5.050	0.550	500337.466	102031.413
S57 RE1	0.000	0.180	Type E	5.846	5.246	0.500	500326.729	102049.897
S57.2	0.000	0.450	Type E	5.804	5.186	0.518	500330.216	102046.596

Manhole Schedule

Manhole	Catchment Area (ha)	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
S57.1	0.000	0.450	Type E	5.827	4.895	0.831	500325.795	102035.506
S57	0.062	1.350	Type C	5.934	4.253	1.381	500306.390	102033.247
S58 RE1	0.000	0.180	Type E	5.750	5.100	0.500	500275.507	102006.460
S58.3	0.000	0.450	Type E	5.747	4.913	0.684	500290.045	102009.766
S58.2	0.000	0.450	Type E	6.044	4.704	1.191	500286.377	102025.819
S58.1	0.000	0.450	Type E	5.928	4.584	1.194	500274.702	102023.232
S58	0.021	1.200	Type B	5.937	4.104	1.533	500271.407	102025.633
S59 RE4	0.000	0.180	Type E	5.581	4.824	0.607	500276.440	102066.893
S59.6	0.000	0.450	Type E	5.575	4.674	0.751	500279.482	102052.096
S59 RE3	0.000	0.180	Type E	5.626	4.976	0.550	500262.442	102058.533
S59.5	0.000	0.450	Type E	5.772	4.520	1.102	500264.450	102048.723
S59 RE2	0.000	0.180	Type E	5.821	5.221	0.500	500280.390	102042.618
S59.4	0.000	0.450	Type E	5.718	5.154	0.464	500279.175	102047.842
S59.3	0.000	0.450	Type E	5.841	4.481	1.260	500265.256	102044.906
S59 RE1	0.000	0.180	Type E	5.951	5.342	0.509	500279.319	102035.883
S59.2	0.000	0.450	Type E	5.880	5.202	0.577	500268.977	102033.662
S59.1	0.000	0.450	Type E	5.911	4.409	1.352	500266.561	102037.868
S59	0.066	1.350	Type C	5.787	4.043	1.444	500261.730	102036.983
S151 RE2	0.000	0.180	Type E	5.472	4.814	0.508	500275.159	102082.759
S151.3	0.000	0.450	Type E	5.417	4.669	0.598	500272.211	102096.951
S151 RE1	0.000	0.180	Type E	5.412	4.812	0.500	500257.051	102084.649
S151.2	0.000	0.450	Type E	5.357	4.452	0.805	500255.126	102093.791
S151.1	0.000	0.450	Type E	5.488	4.321	1.017	500244.813	102091.922
S151	0.033	1.350	Type C	5.499	3.894	1.156	500243.906	102085.860
S16	0.138	1.350	Unknown	5.338	3.528	1.135	500255.887	102069.898
S169 RE4	0.000	0.180	Type E	5.570	4.870	0.550	500278.941	102100.450
S169.4	0.000	0.450	Type E	5.579	4.721	0.707	500293.524	102103.096
S169 RE3	0.000	0.180	Type E	5.672	4.999	0.573	500286.395	102084.468
S169.3	0.000	0.450	Type E	5.724	4.553	1.071	500296.621	102086.457
S169 RE2	0.000	0.180	Type E	5.808	5.122	0.536	500287.170	102054.306
S169.2	0.000	0.450	Type E	5.841	4.947	0.744	500301.442	102057.133
S169 RE1	0.000	0.180	Type E	5.811	5.155	0.506	500289.190	102069.950
S169.1	0.000	0.450	Type E	5.880	4.762	1.018	500298.564	102071.682
S169	0.000	1.200	Unknown	5.623	3.451	1.421	500298.416	102078.429
S168 RE2	0.000	0.180	Type E	5.719	5.064	0.555	500303.773	102098.617
S168.3	0.000	0.450	Type E	5.643	4.783	0.760	500296.332	102097.273
S168.2	0.000	0.450	Type E	5.744	4.654	0.990	500298.331	102087.129
S168 RE1	0.000	0.180	Type E	5.822	5.159	0.563	500315.773	102101.039
S168.1	0.000	0.450	Type E	5.759	4.409	1.250	500317.519	102091.100
S168	0.000	1.350	Type C	5.636	4.177	1.160	500320.075	102091.439
S17	0.000	1.800	Type B	5.696	3.398	1.548	500326.798	102084.086
S60 RE1	0.000	0.180	Type E	5.754	5.004	0.600	500296.445	101989.914
S60.2	0.000	0.450	Type E	5.691	4.864	0.677	500292.544	102003.413
S60 RE2	0.000	0.180	Type E	5.710	5.110	0.500	500279.414	101990.041
S60.1	0.000	0.450	Type E	5.709	4.708	0.885	500276.495	101999.635
S60	0.111	1.350	Type C	5.584	4.304	0.831	500271.243	101998.462
S61	0.000	1.350	Type C	5.571	4.213	0.908	500278.783	101967.323
S62	0.004	1.350	Type C	5.689	4.180	1.058	500289.598	101960.057
S63 RE1	0.000	0.180	Type E	5.613	5.013	0.500	500281.115	101984.711
S63.1	0.000	0.450	Type E	5.622	4.774	0.697	500284.676	101969.992
S63 RE2	0.000	0.180	Type E	5.722	4.922	0.650	500296.809	101987.907
S63.2	0.000	0.450	Type E	5.838	4.608	1.080	500300.867	101973.891
S63	0.064	1.350	Type C	6.026	4.134	1.441	500304.698	101970.540
S64 RE3	0.000	0.180	Type E	5.862	5.212	0.500	500319.186	102029.201
S64 RE2	0.000	0.180	Type E	5.993	5.343	0.500	500303.762	102005.910
S64.3	0.000	0.450	Type E	5.944	5.009	0.785	500310.318	102015.575
S64 RE1	0.000	0.180	Type E	6.278	5.612	0.566	500318.608	101997.141
S64.2	0.000	0.450	Type E	6.060	4.610	1.300	500324.599	102006.621
S64.1	0.000	0.450	Type E	5.840	4.440	1.250	500334.153	102021.541
S64	0.021	1.350	Type C	5.713	3.976	1.286	500339.729	102023.136
S65	0.000	1.350	Type C	5.626	3.915	1.261	500348.295	102046.266
S67 RE1	0.000	0.180	Type E	5.848	5.219	0.529	500321.169	102073.364
S67.2	0.000	0.450	Type E	5.859	5.144	0.615	500322.967	102067.639
S67.1	0.000	0.450	Type E	5.911	5.026	0.785	500328.058	102059.714
S67	0.010	1.350	Type C	5.859	4.159	1.400	500330.088	102060.507
S66 RE1	0.000	0.180	Type E	5.893	5.237	0.557	500333.367	102054.735
S66.1	0.000	0.450	Type E	5.826	5.097	0.628	500343.629	102050.387
S66	0.089	1.800	Type C	5.622	3.900	1.272	500348.840	102052.265

Manhole Schedule

Manhole	Catchment Area (ha)	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
S68	0.000	1.500	Unknown	5.581	3.775	1.281	500359.566	102064.174
S69	0.000	1.500	Unknown	5.581	3.670	1.386	500361.372	102070.215
S70	0.000	1.350	Unknown	5.269	3.630	1.114	500359.476	102087.678
S18	0.000	1.800	Type B	5.633	3.356	1.527	500343.377	102097.931
S54 RE1	0.000	0.180	Type E	5.789	5.134	0.555	500309.572	102124.031
S54.3	0.000	0.450	Type E	5.748	5.043	0.604	500304.629	102129.316
S54.2	0.000	0.450	Type E	5.764	4.910	0.755	500312.650	102136.422
S54.1	0.000	0.450	Type E	5.810	4.668	1.042	500325.749	102122.237
S52	0.095	1.350	Type C	5.435	3.991	1.144	500321.147	102141.940
S53	0.088	1.350	Type C	5.593	3.923	1.369	500332.055	102130.078
S54	0.017	1.200	Type B	5.731	3.865	1.567	500328.836	102116.428
S55	0.000	1.350	Unknown	5.463	3.333	1.380	500347.553	102110.408
S19	0.000	1.800	Unknown	5.199	3.300	1.149	500352.979	102127.296
S20	0.000	1.800	Unknown	4.778	3.275	0.753	500352.450	102141.094
S21	0.000	1.800	Unknown	4.778	3.175	0.853	500338.453	102178.865
S22 RE2	0.000	0.180	Type E	5.305	4.688	0.517	500311.328	102168.560
S22.4	0.000	0.450	Type E	5.305	4.405	0.800	500318.026	102170.033
S22.3	0.000	0.450	Type E	5.335	4.300	0.935	500319.479	102168.930
S22.2	0.000	0.450	Type E	5.421	4.220	1.101	500325.723	102170.242
S22 RE1	0.000	0.180	Type E	5.374	4.774	0.500	500314.363	102179.554
S22.1	0.000	0.450	Type E	5.426	4.077	1.249	500323.676	102181.551
S22	0.000	1.800	Type B	5.467	2.261	2.455	500326.422	102182.141
S73	0.000	1.200	Unknown	6.200	5.567	0.033	499618.692	101995.016
S74	0.000	1.500	Unknown	6.200	5.510	0.090	499644.761	102006.187
S76	0.000	1.500	Unknown	5.574	5.316	-0.341	499738.476	102031.691
S92 RE1	0.000	0.180	Type E	6.785	6.185	0.500	499865.688	101980.495
S92.2	0.000	0.450	Type E	6.965	5.985	0.880	499853.068	101976.397
S92 RE2	0.000	0.180	Type E	7.033	6.445	0.488	499854.741	101958.917
S92.1	0.000	0.450	Type E	6.928	5.830	0.998	499847.313	101966.208
S92	0.063	1.350	Type C	6.744	5.466	0.904	499840.259	101966.726
S93 RE2	0.000	0.180	Type E	6.719	6.119	0.500	499860.108	101983.399
S93.3	0.000	0.450	Type E	6.935	6.068	0.766	499860.653	101979.413
S93.2	0.000	0.450	Type E	6.821	5.872	0.849	499843.939	101976.536
S93 RE1	0.000	0.180	Type E	6.903	5.910	0.893	499843.949	101991.709
S93.1	0.000	0.450	Type E	6.834	5.792	0.942	499842.868	101982.808
S93	0.008	1.350	Type C	6.747	5.415	0.957	499834.843	101981.705
S94	0.000	1.350	Type C	6.979	5.375	1.228	499833.974	101992.726
S95	0.038	1.350	Type C	6.974	5.329	1.270	499823.652	102002.223
S96 RE3	0.000	0.180	Type E	6.969	6.319	0.550	499852.658	102030.042
S96.7	0.000	0.450	Type E	6.953	6.216	0.638	499844.519	102028.645
S96.6	0.000	0.450	Type E	6.921	5.935	0.886	499841.928	102029.281
S96.5	0.000	0.450	Type E	6.856	5.761	0.995	499830.493	102027.336
S96 RE2	0.000	0.180	Type E	6.829	6.179	0.550	499851.900	102012.986
S96.4	0.000	0.450	Type E	7.046	6.077	0.869	499843.918	102011.646
S96.3	0.000	0.450	Type E	7.006	6.001	0.905	499841.928	102013.234
S96 RE1	0.000	0.180	Type E	7.214	6.563	0.551	499834.532	101999.197
S96.2	0.000	0.450	Type E	7.009	5.763	1.146	499832.482	102011.697
S96.1	0.000	0.450	Type E	7.096	5.613	1.333	499830.878	102019.517
S96	0.023	1.350	Type C	6.834	5.274	1.185	499824.478	102018.692
S97 RE1	0.000	0.180	Type E	6.847	6.197	0.550	499844.269	102043.224
S97.2	0.000	0.450	Type E	6.916	6.088	0.728	499843.018	102034.667
S97.1	0.000	0.450	Type E	6.828	5.947	0.781	499831.762	102035.138
S97	0.071	1.350	Type C	6.633	5.209	1.049	499819.431	102037.593
S98	0.000	1.350	Type C	6.466	5.158	0.933	499825.212	102051.631
S100	0.000	1.500	Unknown	5.486	5.140	-0.029	499822.827	102056.496
S99 RE4	0.000	0.180	Type E	7.083	6.473	0.510	499878.403	102039.532
S99 RE3	0.000	0.180	Type E	7.027	6.427	0.500	499870.599	102029.089
S99.3	0.000	0.450	Type E	7.033	6.319	0.615	499868.772	102037.581
S99 RE2	0.000	0.180	Type E	7.050	6.400	0.550	499862.086	102033.585
S99.2	0.000	0.450	Type E	6.965	6.206	0.659	499860.677	102041.581
S99 RE1	0.000	0.180	Type E	7.006	6.356	0.550	499866.131	102050.878
S99.1	0.000	0.450	Type E	6.876	6.090	0.685	499855.048	102048.889
S99	0.067	1.350	Type C	6.668	5.145	1.073	499853.400	102057.292
S101 RE2	0.000	0.180	Type E	7.083	6.483	0.500	499880.260	102036.015
S101 RE3	0.000	0.180	Type E	6.814	6.166	0.548	499900.704	102040.359
S101.3	0.000	0.450	Type E	6.821	6.107	0.614	499896.128	102039.432
S101 RE4	0.000	0.180	Type E	7.018	6.382	0.536	499905.015	102058.653
S101.2	0.000	0.450	Type E	7.046	5.898	1.024	499892.772	102055.826

Manhole Schedule

Manhole	Catchment Area (ha)	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
S101 RE1	0.000	0.180	Type E	7.094	6.444	0.550	499877.918	102044.478
S101.1	0.000	0.450	Type E	7.053	5.743	1.160	499880.543	102053.678
S101	0.103	1.350	Type C	6.888	5.080	1.357	499878.767	102062.555
S122 RE2	0.000	0.180	Type E	6.482	5.882	0.500	499951.983	102053.647
S122.2	0.000	0.450	Type E	6.482	5.829	0.553	499947.841	102052.797
S122 RE1	0.000	0.180	Type E	6.362	5.712	0.550	499958.513	102072.924
S122.1	0.000	0.450	Type E	6.513	5.511	0.902	499944.482	102069.448
S122	0.045	1.350	Type C	6.351	5.241	0.885	499942.011	102078.131
S102 RE2	0.000	0.180	Type E	6.480	5.880	0.500	499946.696	102052.777
S102.3	0.000	0.450	Type E	6.719	5.703	0.916	499932.813	102049.851
S102.2	0.000	0.450	Type E	6.724	5.543	1.080	499929.774	102062.238
S102 RE4	0.000	0.180	Type E	6.917	6.317	0.500	499917.539	102050.475
S102 RE5	0.000	0.180	Type E	7.074	6.394	0.580	499905.180	102060.384
S102.5	0.000	0.450	Type E	6.858	6.161	0.598	499914.683	102062.619
S102 RE3	0.000	0.180	Type E	6.632	6.032	0.500	499921.833	102051.550
S102.4	0.000	0.450	Type E	6.808	5.873	0.835	499919.067	102063.917
S102 RE1	0.000	0.180	Type E	6.579	5.929	0.550	499945.337	102061.592
S102.1	0.000	0.450	Type E	6.790	5.419	1.221	499932.807	102067.333
S102	0.000	1.350	Type C	6.480	4.946	1.084	499931.165	102074.830
S118	0.000	1.500	Unknown	5.377	4.768	0.159	499928.197	102085.412
S82	0.000	1.500	Unknown	5.346	4.706	0.040	499957.824	102094.558
S83	0.000	1.500	Unknown	5.200	4.415	0.185	500098.279	102132.300
S85	0.000	1.800	Unknown	6.109	4.250	1.409	500133.310	102135.328
S86	0.000	1.350	Type C	5.488	3.715	1.323	500165.482	102137.025
S107 RE3	0.000	0.180	Type E	6.842	6.243	0.500	499854.604	102021.431
S107 RE2	0.000	0.180	Type E	6.765	6.113	0.552	499874.807	102024.051
S107.4	0.000	0.450	Type E	6.784	6.058	0.626	499870.503	102023.260
S107.3	0.000	0.450	Type E	6.797	5.959	0.688	499869.539	102019.444
S107 RE4	0.000	0.180	Type E	6.762	6.162	0.500	499885.554	102010.613
S107.2	0.000	0.450	Type E	6.679	5.700	0.829	499871.721	102007.913
S107 RE1	0.000	0.180	Type E	6.777	6.077	0.600	499856.118	102010.257
S107.1	0.000	0.450	Type E	6.842	5.515	1.177	499861.089	102005.780
S107	0.119	1.350	Unknown	6.705	5.008	1.172	499862.307	101997.622
S165 RE3	0.000	0.180	Type E	6.558	5.958	0.500	499871.348	101986.044
S165.5	0.000	0.450	Type E	6.722	5.562	1.060	499869.490	101996.649
S165 RE2	0.000	0.180	Type E	6.653	5.903	0.650	499877.516	101981.978
S165.4	0.000	0.450	Type E	6.622	5.623	0.849	499886.400	101983.536
S165.3	0.000	0.450	Type E	6.588	5.423	1.015	499884.538	101999.283
S165 RE1	0.000	0.180	Type E	6.535	5.885	0.550	499896.780	101987.880
S165.2	0.000	0.450	Type E	6.476	5.817	0.559	499891.385	101987.030
S165.1	0.000	0.450	Type E	6.568	5.379	1.039	499889.273	102000.139
S165	0.034	1.200	Unknown	6.499	4.926	1.048	499890.380	102002.658
S113 RE3	0.000	0.180	Type E	6.956	6.306	0.500	499891.094	101965.530
S113.6	0.000	0.450	Type E	6.869	6.235	0.484	499889.747	101976.044
S113.5	0.000	0.450	Type E	6.863	5.764	0.949	499906.280	101978.064
S113 RE4	0.000	0.180	Type E	7.040	6.353	0.538	499908.367	101961.540
S113.4	0.000	0.450	Type E	7.016	5.727	1.189	499906.644	101975.746
S113 RE2	0.000	0.180	Type E	6.782	6.182	0.500	499935.077	101971.680
S113.3	0.000	0.450	Type E	6.831	5.631	1.100	499922.097	101969.987
S113 RE1	0.000	0.180	Type E	6.804	6.204	0.500	499933.296	101983.298
S113.2	0.000	0.450	Type E	6.784	5.684	1.000	499919.907	101981.326
S113.1	0.000	0.450	Type E	6.866	5.507	1.259	499920.176	101977.475
S113	0.093	1.350	Type C	6.840	5.336	1.279	499917.572	101977.283
S108 RE5	0.000	0.180	Type E	6.731	6.128	0.503	499883.782	102021.614
S108.7	0.000	0.450	Type E	6.663	5.971	0.592	499896.187	102024.005
S108.6	0.000	0.450	Type E	6.668	5.812	0.756	499898.844	102011.591
S108 RE1	0.000	0.180	Type E	6.725	6.075	0.550	499904.799	102026.881
S108.2	0.000	0.450	Type E	6.718	5.400	1.168	499907.579	102012.992
S108 RE3	0.000	0.180	Type E	6.879	6.279	0.500	499921.851	102034.068
S108.5	0.000	0.450	Type E	6.882	6.220	0.562	499917.237	102032.798
S108 RE4	0.000	0.180	Type E	6.923	6.273	0.550	499935.633	102022.034
S108.4	0.000	0.450	Type E	6.831	6.020	0.711	499921.309	102017.395
S108 RE2	0.000	0.180	Type E	6.858	6.258	0.500	499915.963	102025.992
S108.3	0.000	0.450	Type E	6.870	5.975	0.795	499917.793	102016.364
S108.1	0.000	0.450	Type E	6.915	5.344	1.421	499912.011	102013.287
S108	0.096	1.350	Unknown	6.645	4.859	1.289	499913.502	102006.806
S167 RE3	0.000	0.180	Type E	6.391	5.791	0.500	499953.302	101997.648
S167 RE2	0.000	0.180	Type E	6.715	6.009	0.606	499925.111	101990.387

Manhole Schedule

Manhole	Catchment Area (ha)	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
S167.3	0.000	0.450	Type E	6.555	5.552	0.853	499938.719	101993.760
S167 RE1	0.000	0.180	Type E	6.741	6.100	0.541	499926.864	102006.794
S167.2	0.000	0.450	Type E	6.778	5.397	1.281	499934.753	102008.711
S167.1	0.000	0.450	Type E	6.675	5.316	1.258	499942.577	102010.882
S167	0.028	1.200	Unknown	6.690	4.776	1.389	499941.638	102014.825
S109 RE2	0.000	0.180	Type E	6.603	6.003	0.500	499957.224	102049.692
S109.4	0.000	0.450	Type E	6.580	5.875	0.605	499959.827	102039.799
S109.3	0.000	0.450	Type E	6.694	5.759	0.835	499950.825	102037.352
S109 RE5	0.000	0.180	Type E	6.818	6.218	0.500	499942.533	102039.565
S109.6	0.000	0.450	Type E	6.803	6.160	0.543	499946.996	102040.872
S109 RE4	0.000	0.180	Type E	6.912	6.262	0.550	499936.415	102022.053
S109.5	0.000	0.450	Type E	6.729	5.879	0.750	499951.374	102026.133
S109.2	0.000	0.450	Type E	6.719	5.601	1.018	499954.174	102025.185
S109 RE1	0.000	0.180	Type E	6.599	5.999	0.500	499963.118	102027.991
S109.1	0.000	0.450	Type E	6.757	5.524	1.083	499960.132	102026.679
S109	0.152	1.350	Unknown	6.465	4.716	1.224	499961.873	102020.592
S110 RE2	0.000	0.180	Type E	6.461	5.861	0.500	499975.257	102055.788
S110 RE1	0.000	0.180	Type E	6.515	5.915	0.500	499967.952	102033.576
S110.4	0.000	0.450	Type E	6.359	5.462	0.797	499981.416	102034.558
S110 RE3	0.000	0.180	Type E	6.378	5.778	0.500	499991.549	102059.575
S110.3	0.000	0.450	Type E	6.366	5.205	1.011	499997.216	102039.557
S110 RE4	0.000	0.180	Type E	6.600	6.000	0.500	500007.558	102057.448
S110.5	0.000	0.450	Type E	6.445	5.845	0.500	499997.846	102054.311
S110.2	0.000	0.450	Type E	6.424	5.156	1.118	500001.918	102040.976
S110 RE5	0.000	0.180	Type E	6.600	6.000	0.500	500014.392	102059.689
S110.7	0.000	0.450	Type E	6.601	5.869	0.632	500024.439	102062.596
S110.6	0.000	0.450	Type E	6.618	5.687	0.831	500027.589	102051.713
S110.1	0.000	0.450	Type E	6.518	5.066	1.302	500010.486	102043.074
S110 RE6	0.000	0.180	Type E	6.166	5.566	0.500	499997.954	102013.339
S110.11	0.000	0.450	Type E	6.161	5.513	0.549	499993.886	102012.174
S110.10	0.000	0.450	Type E	6.292	5.284	0.908	499989.961	102026.131
S110 RE7	0.000	0.180	Type E	6.310	5.660	0.550	500007.130	102017.831
S110.9	0.000	0.450	Type E	6.314	5.105	1.109	500003.773	102030.104
S110 RE9	0.000	0.180	Type E	6.405	5.755	0.550	500031.733	102022.479
S110.12	0.000	0.450	Type E	6.262	5.527	0.584	500018.031	102018.760
S110 RE8	0.000	0.180	Type E	6.600	5.912	0.588	500026.936	102036.596
S110.8	0.000	0.450	Type E	6.425	5.014	1.311	500013.375	102032.755
S110	0.074	1.350	Unknown	6.353	4.565	1.263	500012.739	102035.121
S111 RE2	0.000	0.180	Type E	6.406	5.806	0.450	500086.412	102054.578
S111.3	0.000	0.450	Type E	6.617	5.644	0.823	500079.676	102069.220
S111.2	0.000	0.450	Type E	6.575	5.316	1.109	500064.373	102062.544
S111 RE1	0.000	0.180	Type E	6.384	5.672	0.563	500071.469	102047.224
S111.1	0.000	0.450	Type E	6.525	4.958	1.416	500068.809	102051.860
S111	0.051	1.500	Type B	6.460	4.425	1.510	500059.606	102048.550
S112 RE2	0.000	0.180	Type E	6.677	6.026	0.502	500075.985	102078.182
S112.3	0.000	0.450	Type E	6.831	5.895	0.786	500071.146	102087.489
S112.2	0.000	0.450	Type E	6.785	5.691	0.944	500056.181	102081.057
S112 RE1	0.000	0.180	Type E	6.865	6.115	0.600	500060.531	102072.451
S112.1	0.000	0.450	Type E	6.847	5.619	1.078	500058.287	102076.203
S112 RE3	0.000	0.180	Type E	6.793	6.162	0.531	500040.883	102054.655
S112.5	0.000	0.450	Type E	6.789	5.984	0.656	500050.834	102057.973
S112 RE4	0.000	0.180	Type E	6.694	5.994	0.550	500034.131	102058.504
S112.6	0.000	0.450	Type E	6.682	5.875	0.657	500031.360	102067.618
S112.4	0.000	0.450	Type E	6.837	5.695	0.992	500046.110	102072.001
S112	0.101	1.500	Type B	6.716	4.351	1.840	500050.767	102073.519
S170 RE2	0.000	0.180	Type E	6.655	5.955	0.550	500024.166	102084.038
S170.3	0.000	0.450	Type E	6.749	5.817	0.781	500027.670	102073.626
S170.2	0.000	0.450	Type E	6.917	5.596	1.171	500043.926	102078.590
S170 RE1	0.000	0.180	Type E	6.768	6.118	0.550	500027.804	102091.614
S170.1	0.000	0.450	Type E	6.867	5.309	1.409	500039.584	102094.987
S170 RE4	0.000	0.180	Type E	6.817	6.217	0.500	500066.992	102099.093
S170.6	0.000	0.450	Type E	6.788	6.144	0.545	500068.758	102093.469
S170.5	0.000	0.450	Type E	6.793	5.786	0.907	500053.283	102088.464
S170 RE3	0.000	0.180	Type E	6.877	6.261	0.516	500060.875	102103.367
S170.4	0.000	0.450	Type E	6.716	5.656	0.960	500049.153	102099.854
S170	0.000	1.500	Type B	6.688	4.220	1.943	500044.869	102099.133
S103 RE4	0.000	0.180	Type E	6.331	5.681	0.550	500012.549	102074.393
S103.8	0.000	0.450	Type E	6.393	5.624	0.669	500016.968	102075.484

Manhole Schedule

Manhole	Catchment Area (ha)	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
S103.7	0.000	0.450	Type E	6.323	5.427	0.797	500012.787	102090.745
S103 RE3	0.000	0.180	Type E	6.305	5.655	0.550	499998.301	102071.048
S103.6	0.000	0.450	Type E	6.358	5.389	0.869	500002.758	102072.290
S103.5	0.000	0.450	Type E	6.256	5.145	0.961	499998.544	102087.222
S103 RE2	0.000	0.180	Type E	6.311	5.725	0.486	499991.121	102065.575
S103.4	0.000	0.450	Type E	6.365	5.539	0.726	499976.260	102063.813
S103.3	0.000	0.450	Type E	6.352	5.249	1.003	499973.333	102076.105
S103 RE1	0.000	0.180	Type E	6.298	5.650	0.548	499989.333	102073.449
S103.2	0.000	0.450	Type E	6.224	5.120	1.004	499983.424	102079.011
S103.1	0.000	0.450	Type E	6.243	4.993	1.100	499982.461	102082.548
S121 RE2	0.000	0.180	Type E	6.384	5.784	0.500	499968.159	102061.387
S121.2	0.000	0.450	Type E	6.470	5.705	0.665	499962.541	102060.386
S121 RE1	0.000	0.180	Type E	6.382	5.782	0.500	499973.030	102077.477
S121.1	0.000	0.450	Type E	6.371	5.362	0.909	499959.078	102074.606
S121	0.051	1.350	Type C	6.190	4.615	1.200	499956.496	102083.393
S103	0.118	1.350	Type C	6.073	4.536	1.162	499979.938	102091.410
S106	0.013	1.350	Type B	6.303	4.383	1.544	500022.989	102103.667
S105	0.051	1.500	Type B	6.507	4.172	1.810	500042.940	102108.534
S124	0.016	1.500	Type B	6.800	3.967	2.308	500096.169	102121.603
S125 RE1	0.000	0.180	Type E	6.753	6.103	0.500	500085.062	102088.937
S125.2	0.000	0.450	Type E	6.869	5.519	1.200	500080.238	102104.587
S125 RE2	0.000	0.180	Type E	6.686	6.043	0.493	500102.912	102094.471
S125.1	0.000	0.450	Type E	6.977	5.227	1.600	500097.126	102111.385
S125	0.041	1.500	Type B	6.747	3.935	2.287	500103.293	102114.954
S126	0.018	1.800	Type B	5.919	3.782	1.612	500146.197	102130.978
S127	0.000	1.500	Unknown	5.488	3.715	1.248	500167.817	102132.417
S46 RE2	0.000	0.180	Type E	6.106	5.456	0.550	500138.800	102121.546
S46.2	0.000	0.450	Type E	6.022	5.339	0.583	500145.089	102128.531
S46 RE1	0.000	0.180	Type E	5.920	5.320	0.500	500147.194	102108.840
S46.1	0.000	0.450	Type E	5.663	4.863	0.700	500156.103	102119.666
S46	0.029	1.350	Type C	5.498	4.000	1.198	500161.299	102120.900
S128 RE4	0.000	0.180	Type E	5.497	4.847	0.550	500154.968	102092.111
S128 RE3	0.000	0.180	Type E	5.599	4.949	0.550	500152.458	102079.903
S128.6	0.000	0.450	Type E	5.497	4.720	0.677	500159.129	102082.857
S128.5	0.000	0.450	Type E	5.516	4.683	0.733	500162.104	102083.219
S128.4	0.000	0.450	Type E	5.491	4.562	0.830	500170.908	102087.179
S128 RE2	0.000	0.180	Type E	5.807	5.207	0.500	500144.475	102095.319
S128.3	0.000	0.450	Type E	5.618	5.112	0.406	500151.468	102098.254
S128.2	0.000	0.450	Type E	5.535	4.735	0.701	500154.765	102098.246
S128 RE1	0.000	0.180	Type E	5.565	4.966	0.499	500159.704	102113.358
S128.1	0.000	0.450	Type E	5.466	4.301	1.015	500164.686	102102.825
S47	0.088	1.350	Type C	5.633	4.105	1.228	500185.023	102066.804
S128	0.021	1.800	Type C	5.343	3.922	1.122	500168.703	102104.702
S129	0.000	1.350	Type C	5.488	3.715	1.473	500182.277	102110.812
S87	0.000	1.500	Unknown	5.488	3.500	1.688	500185.086	102142.193
S159	0.000	1.200	Type B	5.849	3.420	1.979	500192.124	102149.509
S50 RE4	0.000	0.180	Type E	5.741	5.141	0.500	500276.928	102139.421
S50.6	0.000	0.450	Type E	5.752	5.072	0.580	500271.529	102138.328
S50.5	0.000	0.450	Type E	5.922	4.903	0.919	500274.255	102125.091
S50 RE3	0.000	0.180	Type E	5.694	5.094	0.500	500302.078	102141.065
S50.4	0.000	0.450	Type E	5.774	4.967	0.707	500304.150	102131.118
S50 RE2	0.000	0.180	Type E	5.665	5.065	0.500	500295.170	102143.306
S50.3	0.000	0.450	Type E	5.670	4.997	0.574	500289.797	102142.190
S50.2	0.000	0.450	Type E	5.843	4.818	0.925	500292.473	102128.767
S50 RE1	0.000	0.180	Type E	5.725	5.125	0.500	500286.247	102139.367
S50.1	0.000	0.450	Type E	5.862	4.717	1.045	500288.795	102128.023
S50	0.147	1.350	Type B	5.724	3.708	1.566	500289.773	102123.223
S51 RE2	0.000	0.180	Type E	5.802	5.202	0.500	500266.508	102138.811
S51.2	0.000	0.450	Type E	5.857	4.997	0.760	500250.443	102135.459
S51 RE1	0.000	0.180	Type E	5.985	5.378	0.507	500265.188	102123.295
S51.1	0.000	0.450	Type E	6.013	4.812	1.101	500253.499	102120.970
S51	0.024	1.350	Type B	5.894	3.599	1.845	500252.983	102116.010
S49 RE2	0.000	0.180	Type E	5.560	4.960	0.500	500266.555	102106.194
S49.4	0.000	0.450	Type E	5.466	4.766	0.600	500267.554	102100.634
S49.3	0.000	0.450	Type E	5.473	4.673	0.700	500254.092	102098.246
S49 RE1	0.000	0.180	Type E	5.605	4.986	0.519	500263.250	102111.944
S49.2	0.000	0.450	Type E	5.661	4.842	0.719	500251.963	102109.649
S49.1	0.000	0.450	Type E	5.622	4.612	0.911	500252.867	102102.970

Manhole Schedule

Manhole	Catchment Area (ha)	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
S49	0.024	1.350	Type B	5.743	3.524	1.768	500233.642	102099.127
S48 RE2	0.000	0.180	Type E	5.733	5.083	0.550	500244.288	102129.350
S48.2	0.000	0.450	Type E	5.669	4.869	0.700	500237.541	102123.086
S48 RE1	0.000	0.180	Type E	5.821	5.218	0.503	500235.105	102108.301
S48.1	0.000	0.450	Type E	5.741	4.718	0.922	500228.310	102115.325
S48	0.047	1.350	Type B	5.849	3.473	1.925	500221.885	102112.479
S152 RE1	0.000	0.180	Type E	5.711	5.108	0.502	500227.519	102139.792
S152 RE2	0.000	0.180	Type E	5.697	5.047	0.550	500223.428	102117.652
S152.2	0.000	0.450	Type E	5.599	4.746	0.753	500213.146	102129.874
S152 RE3	0.000	0.180	Type E	5.810	5.210	0.500	500224.012	102143.644
S152 RE4	0.000	0.180	Type E	5.755	5.091	0.564	500203.466	102152.727
S152.3	0.000	0.450	Type E	5.531	4.756	0.675	500207.155	102139.826
S152.1	0.000	0.450	Type E	5.531	4.650	0.781	500208.161	102135.750
S152	0.042	1.350	Type B	5.584	3.391	1.743	500203.704	102134.630
S88	0.183	1.500	Type B	5.761	3.260	1.976	500200.220	102152.667
S89 RE1	0.000	0.180	Type E	5.964	5.338	0.526	500236.359	102148.379
S89 RE2	0.000	0.180	Type E	5.878	5.278	0.500	500230.958	102140.808
S89.4	0.000	0.450	Type E	5.938	5.163	0.675	500229.850	102147.091
S89.3	0.000	0.450	Type E	6.073	5.025	0.949	500227.727	102157.973
S89 RE4	0.000	0.180	Type E	5.853	5.178	0.575	500251.749	102151.890
S89 RE3	0.000	0.180	Type E	5.974	5.305	0.569	500246.528	102144.785
S89.5	0.000	0.450	Type E	5.934	5.097	0.738	500245.303	102150.619
S89.2	0.000	0.450	Type E	5.945	4.825	1.019	500243.223	102161.763
S89 RE6	0.000	0.180	Type E	5.681	4.979	0.602	500267.585	102154.789
S89 RE5	0.000	0.180	Type E	5.846	5.177	0.570	500260.943	102147.514
S89.6	0.000	0.450	Type E	5.785	4.936	0.749	500259.914	102153.309
S89 RE7	0.000	0.180	Type E	5.810	5.096	0.614	500268.913	102166.468
S89.1	0.000	0.450	Type E	5.829	4.681	1.048	500254.494	102164.033
S89	0.063	1.500	Type B	5.855	2.941	2.389	500254.155	102165.853
S90 RE1	0.000	0.180	Type E	5.659	4.938	0.571	500293.704	102155.899
S90.3	0.000	0.450	Type E	5.582	4.737	0.694	500277.959	102152.739
S90.2	0.000	0.450	Type E	5.658	4.300	1.208	500274.954	102167.981
S90.1	0.000	0.450	Type E	5.707	4.000	1.557	500284.849	102170.097
S90	0.068	1.500	Type B	5.664	2.733	2.406	500284.478	102172.038
S156 RE2	0.000	0.180	Type E	5.400	4.800	0.500	500321.410	102147.341
S156.3	0.000	0.450	Type E	5.444	4.685	0.659	500330.314	102149.411
S156.2	0.000	0.450	Type E	5.504	4.506	0.898	500327.045	102163.388
S156 RE1	0.000	0.180	Type E	5.364	4.785	0.480	500314.406	102152.540
S156.1	0.000	0.450	Type E	5.316	4.323	0.893	500312.756	102160.281
S156	0.057	1.350	Type C	5.392	3.956	1.210	500306.069	102159.093
S91	0.000	1.500	Type B	5.288	2.558	2.247	500301.857	102177.178
S157	0.062	1.800	Type B	5.259	2.190	2.319	500324.522	102193.246
S130 RE4	0.000	0.180	Type E	5.649	5.049	0.500	500202.947	102183.174
S130 RE3	0.000	0.180	Type E	5.643	5.048	0.495	500206.312	102192.659
S130.5	0.000	0.450	Type E	5.614	4.948	0.566	500200.714	102190.906
S130.4	0.000	0.450	Type E	5.597	4.822	0.675	500197.914	102191.126
S130.3	0.000	0.450	Type E	5.625	4.693	0.832	500187.991	102188.360
S130 RE1	0.000	0.180	Type E	5.667	5.067	0.500	500201.145	102181.259
S130 RE2	0.000	0.180	Type E	5.812	5.212	0.500	500192.953	102170.427
S130.2	0.000	0.450	Type E	5.768	4.650	1.018	500190.801	102179.100
S130.1	0.000	0.450	Type E	5.742	4.592	1.051	500189.259	102180.359
S130	0.075	1.350	Type C	5.550	3.883	1.217	500184.311	102179.623
S131 RE1	0.000	0.180	Type E	5.488	4.888	0.500	500192.363	102196.062
S131.4	0.000	0.450	Type E	5.541	4.753	0.689	500202.588	102199.622
S131.3	0.000	0.450	Type E	5.248	4.564	0.584	500197.882	102213.963
S131.2	0.000	0.450	Type E	5.346	4.396	0.850	500185.032	102209.939
S131 RE3	0.000	0.180	Type E	5.199	4.559	0.540	500190.552	102226.997
S131 RE2	0.000	0.180	Type E	5.334	4.744	0.490	500200.015	102221.277
S131.6	0.000	0.450	Type E	5.163	4.456	0.607	500192.960	102219.146
S131.5	0.000	0.450	Type E	5.195	4.431	0.664	500192.770	102217.226
S131 RE4	0.000	0.180	Type E	5.264	4.589	0.575	500178.888	102222.920
S131.1	0.000	0.450	Type E	5.335	4.232	0.953	500181.530	102213.355
S131	0.074	1.350	Type C	5.151	3.780	0.921	500176.529	102211.982
S132 RE2	0.000	0.180	Type E	5.127	4.478	0.549	500192.864	102233.912
S132.3	0.000	0.450	Type E	5.160	4.425	0.635	500194.251	102229.902
S132.2	0.000	0.450	Type E	5.156	4.248	0.808	500180.950	102225.227
S132 RE1	0.000	0.180	Type E	5.118	4.522	0.496	500176.837	102239.611
S132.1	0.000	0.450	Type E	5.115	4.145	0.870	500177.809	102232.818

Manhole Schedule

Manhole	Catchment Area (ha)	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
S132	0.020	1.350	Type C	4.991	3.732	0.810	500170.324	102230.392
S133 RE3	0.000	0.180	Type E	5.263	4.663	0.500	500179.107	102256.145
S133 RE2	0.000	0.180	Type E	5.270	4.670	0.500	500188.171	102250.616
S133.5	0.000	0.450	Type E	5.232	4.562	0.571	500181.507	102248.450
S133.4	0.000	0.450	Type E	5.231	4.542	0.589	500180.942	102247.039
S133.3	0.000	0.450	Type E	5.222	4.405	0.717	500170.607	102243.563
S133 RE1	0.000	0.180	Type E	5.283	4.683	0.500	500176.106	102260.429
S133.2	0.000	0.450	Type E	5.257	4.557	0.600	500168.342	102257.915
S133.1	0.000	0.450	Type E	5.367	4.261	1.006	500164.312	102253.220
S133	0.008	1.350	Type C	5.204	3.670	1.084	500159.373	102251.983
S134	0.030	1.350	Type C	5.419	3.622	1.347	500155.016	102270.087
S135 RE2	0.000	0.180	Type E	5.536	4.936	0.500	500172.684	102266.236
S135.3	0.000	0.450	Type E	5.680	4.854	0.726	500176.912	102271.280
S135 RE1	0.000	0.180	Type E	5.638	5.016	0.522	500161.651	102271.961
S135.2	0.000	0.450	Type E	5.653	4.496	1.057	500168.410	102278.849
S135.1	0.000	0.450	Type E	5.701	4.462	1.139	500166.415	102280.636
S135	0.008	1.350	Type B	5.607	3.572	1.585	500166.008	102285.854
S150 RE2	0.000	0.180	Type E	5.449	4.849	0.500	500218.702	102260.690
S150 RE1	0.000	0.180	Type E	5.488	4.893	0.495	500209.267	102255.787
S150.4	0.000	0.450	Type E	5.461	4.743	0.618	500210.362	102262.097
S150.3	0.000	0.450	Type E	5.447	4.711	0.635	500209.840	102264.559
S150.2	0.000	0.450	Type E	5.532	4.558	0.874	500211.789	102276.656
S150 RE4	0.000	0.180	Type E	5.360	4.760	0.500	500231.460	102259.238
S150.6	0.000	0.450	Type E	5.392	4.605	0.688	500233.625	102271.489
S150 RE3	0.000	0.180	Type E	5.333	4.740	0.494	500221.673	102260.904
S150.5	0.000	0.450	Type E	5.403	4.218	1.085	500224.133	102274.578
S150.1	0.000	0.450	Type E	5.428	4.140	1.138	500222.002	102275.288
S150	0.095	1.350	Type C	5.317	3.861	1.155	500222.625	102279.229
S136 RE2	0.000	0.180	Type E	5.660	5.060	0.500	500177.865	102267.324
S136.3	0.000	0.450	Type E	5.654	4.913	0.641	500189.611	102267.714
S136 RE4	0.000	0.180	Type E	5.460	4.760	0.600	500205.089	102264.711
S136 RE3	0.000	0.180	Type E	5.607	5.007	0.500	500194.730	102261.391
S136.5	0.000	0.450	Type E	5.622	4.647	0.875	500196.226	102266.264
S136.4	0.000	0.450	Type E	5.584	4.495	0.938	500193.808	102274.055
S136.2	0.000	0.450	Type E	5.717	4.422	1.145	500194.531	102279.873
S136 RE1	0.000	0.180	Type E	5.711	5.109	0.502	500177.594	102275.017
S136.1	0.000	0.450	Type E	5.821	4.226	1.445	500179.089	102282.396
S136	0.000	1.800	Type B	5.694	3.536	1.711	500179.865	102286.190
S137	0.000	1.350	Type C	4.835	3.510	0.875	500182.323	102298.925
S141 RE1	0.000	0.180	Type E	5.958	5.358	0.500	500230.850	102194.786
S141.4	0.000	0.450	Type E	5.873	5.236	0.537	500221.367	102192.369
S141.3	0.000	0.450	Type E	5.993	4.989	0.854	500224.975	102177.047
S141.2	0.000	0.450	Type E	5.897	4.794	0.953	500240.222	102180.320
S141.1	0.000	0.450	Type E	6.011	4.682	1.228	500237.871	102191.230
S141 RE2	0.000	0.180	Type E	5.539	4.939	0.500	500271.713	102186.525
S141.6	0.000	0.450	Type E	5.676	4.753	0.823	500257.128	102183.564
S141 RE3	0.000	0.180	Type E	5.630	4.930	0.550	500267.756	102201.744
S141.7	0.000	0.450	Type E	5.654	4.758	0.746	500254.274	102199.004
S141.5	0.000	0.450	Type E	5.580	4.555	0.875	500254.245	102195.043
S141	0.120	1.350	Type C	5.677	4.060	1.316	500247.372	102193.527
S142 RE4	0.000	0.180	Type E	5.961	5.361	0.500	500224.505	102201.601
S142 RE3	0.000	0.180	Type E	5.843	5.243	0.500	500216.407	102207.782
S142.5	0.000	0.450	Type E	5.972	5.163	0.709	500222.634	102209.273
S142.4	0.000	0.450	Type E	5.975	5.131	0.744	500224.493	102211.026
S142 RE5	0.000	0.180	Type E	6.013	5.421	0.492	500238.247	102205.575
S142.3	0.000	0.450	Type E	5.985	4.981	0.905	500236.189	102213.873
S142 RE1	0.000	0.180	Type E	5.967	5.366	0.500	500215.173	102222.884
S142.2	0.000	0.450	Type E	5.935	5.301	0.535	500213.862	102227.968
S142.1	0.000	0.450	Type E	5.923	4.741	1.032	500231.183	102232.398
S142 RE6	0.000	0.180	Type E	5.785	5.186	0.500	500260.621	102220.003
S142.9	0.000	0.450	Type E	5.779	5.010	0.669	500256.700	102233.460
S142.8	0.000	0.450	Type E	5.812	4.830	0.882	500242.701	102229.942
S142 RE2	0.000	0.180	Type E	5.748	5.145	0.503	500251.229	102242.595
S142.7	0.000	0.450	Type E	5.747	4.616	1.031	500244.633	102241.044
S142.6	0.000	0.450	Type E	5.751	4.123	1.478	500239.766	102237.554
S142	0.037	1.200	Type B	5.761	3.878	1.583	500236.203	102237.100
S143 RE1	0.000	0.180	Type E	5.820	5.214	0.506	500206.516	102243.329
S143 RE2	0.000	0.180	Type E	5.856	5.254	0.502	500225.886	102232.987

Manhole Schedule

Manhole	Catchment Area (ha)	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
S143.1	0.000	0.450	Type E	5.722	4.533	1.089	500222.193	102247.370
S143	0.020	1.350	Type C	5.551	3.817	1.434	500236.318	102250.962
S144	0.078	1.350	Type C	5.103	3.631	1.096	500242.835	102276.553
S147 RE3	0.000	0.180	Type E	5.470	4.870	0.500	500276.366	102199.769
S147.8	0.000	0.450	Type E	5.455	4.721	0.635	500278.951	102188.139
S147 RE2	0.000	0.180	Type E	5.413	4.813	0.500	500281.890	102203.094
S147.7	0.000	0.450	Type E	5.440	4.723	0.617	500288.935	102204.335
S147.6	0.000	0.450	Type E	5.334	4.553	0.680	500291.764	102191.048
S147 RE1	0.000	0.180	Type E	5.327	4.727	0.500	500295.459	102206.982
S147.5	0.000	0.450	Type E	5.302	4.679	0.523	500292.207	102204.874
S147.4	0.000	0.450	Type E	5.357	4.441	0.766	500296.428	102192.040
S147.3	0.000	0.450	Type E	5.375	4.355	0.870	500300.690	102193.273
S147.2	0.000	0.450	Type E	5.456	4.272	1.034	500309.069	102199.398
S147.1	0.000	0.450	Type E	5.566	4.184	1.232	500305.793	102209.863
S147	0.152	1.350	Type C	5.389	3.924	1.165	500310.745	102215.455
S148 RE5	0.000	0.180	Type E	5.427	4.827	0.500	500289.849	102217.928
S148.8	0.000	0.450	Type E	5.569	4.469	1.000	500300.493	102221.886
S148 RE4	0.000	0.180	Type E	5.519	4.919	0.500	500284.994	102222.848
S148.7	0.000	0.450	Type E	5.280	4.580	0.600	500282.525	102230.314
S148.6	0.000	0.450	Type E	5.454	4.244	1.060	500295.799	102235.061
S148 RE3	0.000	0.180	Type E	5.389	4.790	0.500	500278.904	102237.632
S148.5	0.000	0.450	Type E	5.187	4.587	0.500	500276.991	102243.663
S148.4	0.000	0.450	Type E	5.314	4.100	1.064	500291.321	102248.748
S148 RE2	0.000	0.180	Type E	5.072	4.514	0.458	500269.776	102256.472
S148.3	0.000	0.450	Type E	5.226	4.374	0.752	500275.807	102247.023
S148.2	0.000	0.450	Type E	5.274	4.065	1.060	500290.245	102252.108
S148 RE1	0.000	0.180	Type E	5.291	4.633	0.557	500285.834	102259.258
S148.1	0.000	0.450	Type E	5.270	3.995	1.125	500288.098	102258.744
S148	0.000	1.350	Type C	5.072	3.703	1.069	500293.143	102262.088
S149	0.004	1.350	Type C	4.979	3.662	1.017	500286.785	102269.798
S145 RE4	0.000	0.180	Type E	5.310	4.649	0.562	500241.053	102258.702
S145.5	0.000	0.450	Type E	5.222	4.422	0.700	500242.955	102268.732
S145 RE3	0.000	0.180	Type E	5.049	4.461	0.488	500251.500	102252.151
S145.4	0.000	0.450	Type E	5.038	4.202	0.736	500254.227	102268.082
S145 RE2	0.000	0.180	Type E	5.025	4.425	0.500	500258.112	102256.925
S145.3	0.000	0.450	Type E	5.029	4.079	0.800	500260.060	102267.774
S145 RE1	0.000	0.180	Type E	4.971	4.371	0.500	500268.046	102255.576
S145.2	0.000	0.450	Type E	5.025	4.232	0.693	500269.860	102266.542
S145.1	0.000	0.450	Type E	5.015	4.034	0.831	500263.583	102268.316
S145	0.000	1.800	Type C	4.876	3.546	0.991	500264.792	102273.338
S146	0.000	1.350	Type C	4.835	3.510	0.950	500267.092	102286.151
S138	0.000	1.350	Type C	4.835	3.350	1.035	500280.445	102286.918
S163	0.000	1.350	Type C	4.989	3.315	1.224	500289.620	102282.930
S139	0.000	1.350	Unknown	4.425	2.990	0.910	500319.730	102274.862
S140	0.000	1.350	Unknown	4.703	2.792	1.386	500322.292	102250.167
S24	0.000	1.500	Type B	4.998	2.750	1.723	500336.828	102209.975
S25	0.000	1.800	Type B	4.906	2.090	2.216	500342.756	102205.408
S26	0.000	1.500	Type B	3.915	1.740	1.575	500368.008	102213.791

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	S1 RE1	6.752	S1.2	6.631	Circ	0.1mØ	9.363	77.3	0.600	0.515	0.678
1.001	S1.2	6.631	S1.1	6.527	Circ	0.1mØ	8.609	82.5	0.600	0.678	0.739
2.000	S1 RE2	6.740	S1.3	6.590	Circ	0.1mØ	11.986	79.9	0.600	0.580	0.678
2.001	S1.3	6.590	S1.1	6.527	Circ	0.1mØ	5.295	83.9	0.600	0.678	0.739
1.002	S1.1	6.527	S1	6.024	Circ	0.1mØ	9.544	19.0	0.600	0.739	0.994
1.003	S1	5.824	S2	5.690	Circ	0.3mØ	25.084	186.9	0.600	0.994	0.933
3.000	S2 RE1	6.665	S2.3	6.249	Circ	0.1mØ	6.363	15.3	0.600	0.500	0.850
4.000	S2 RE5	6.313	S2.3	6.249	Circ	0.1mØ	1.605	24.9	0.600	0.846	0.850
3.001	S2.3	6.249	S2.2	6.128	Circ	0.1mØ	7.881	65.2	0.600	0.850	0.920
3.002	S2.2	6.128	S2	5.890	Circ	0.1mØ	17.826	74.9	0.600	0.920	0.933
1.004	S2	5.690	S3	5.533	Circ	0.3mØ	24.082	153.7	0.600	0.933	1.226
1.005	S3	5.533	S4	5.098	Circ	0.3mØ	15.936	36.6	0.600	1.226	1.487
5.000	S38 RE2	6.434	S38.2	6.093	Circ	0.1mØ	8.729	25.7	0.600	0.500	0.900

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)
5.001	S38.2	6.093	S38.1	5.607	Circ	0.1mØ	10.806	22.2	0.600	0.900	1.400
6.000	S38 RE1	6.419	S38.1	5.607	Circ	0.1mØ	12.185	15.0	0.600	0.504	1.400
5.002	S38.1	5.607	S38	5.510	Circ	0.1mØ	2.919	30.0	0.600	1.400	1.499
5.003	S38	5.310	S4	5.098	Circ	0.3mØ	42.326	200.0	0.600	1.499	1.487
1.006	S4	4.873	S5	4.713	Circ	0.525mØ	66.498	414.1	0.600	1.487	1.102
7.000	S39 RE2	6.198	S39.2	5.550	Circ	0.1mØ	13.107	20.2	0.600	0.503	1.097
7.001	S39.2	5.550	S39.1	5.433	Circ	0.1mØ	11.691	100.0	0.600	1.097	1.372
8.000	S39 RE1	6.098	S39.1	5.433	Circ	0.1mØ	15.774	23.7	0.600	0.500	1.372
7.002	S39.1	5.433	S39	5.259	Circ	0.1mØ	3.726	21.4	0.600	1.372	1.508
7.003	S39	5.059	S40	4.954	Circ	0.3mØ	24.132	229.9	0.600	1.508	1.232
9.000	S40 RE2	6.006	S40.3	5.823	Circ	0.15mØ	14.653	80.0	0.600	0.500	0.741
9.001	S40.3	5.716	S40.2	5.320	Circ	0.15mØ	15.889	40.1	0.600	0.848	1.200
10.000	S40 RE1	6.177	S40.2	5.320	Circ	0.15mØ	16.601	19.4	0.600	0.482	1.200
9.002	S40.2	5.320	S40.1	5.227	Circ	0.15mØ	7.461	80.3	0.600	1.200	1.129
9.003	S40.1	5.227	S40	5.154	Circ	0.15mØ	4.413	60.6	0.600	1.129	1.182
7.004	S40	4.954	S5	4.876	Circ	0.3mØ	18.652	240.0	0.600	1.232	1.163
11.000	S5 RE7	5.894	S5.10	5.842	Circ	0.1mØ	4.182	80.0	0.600	0.489	0.634
11.001	S5.10	5.576	S5.9	5.367	Circ	0.1mØ	14.650	70.1	0.600	0.900	1.000
11.002	S5.9	5.367	S5.8	5.181	Circ	0.1mØ	14.809	79.7	0.600	1.000	1.166
11.003	S5.8	5.181	S5	5.138	Circ	0.1mØ	9.776	224.9	0.600	1.166	1.102
1.007	S5	4.638	S7	4.524	Circ	0.6mØ	62.334	550.0	0.600	1.102	1.818
12.000	S27 RE4	6.272	S27.7	6.211	Circ	0.1mØ	4.850	79.9	0.600	0.500	0.584
12.001	S27.7	6.195	S27.6	6.001	Circ	0.1mØ	15.501	80.0	0.600	0.601	0.864
13.000	S27 RE5	6.385	S27.6	6.001	Circ	0.1mØ	12.581	32.8	0.600	0.365	0.864
12.002	S27.6	6.001	S27.4	5.819	Circ	0.15mØ	14.579	80.0	0.600	0.814	1.175
14.000	S27 RE3	6.493	S27.5	6.434	Circ	0.1mØ	4.754	80.0	0.600	0.500	0.575
14.001	S27.5	6.434	S27.4	5.819	Circ	0.1mØ	15.275	24.8	0.600	0.575	1.225
12.003	S27.4	5.819	S27.1	5.662	Circ	0.15mØ	12.564	80.0	0.600	1.175	1.501
15.000	S27 RE2	6.588	S27.3	6.461	Circ	0.1mØ	10.156	80.0	0.600	0.507	0.757
16.000	S27 RE1	6.651	S27.3	6.461	Circ	0.1mØ	5.085	26.8	0.600	0.500	0.757
15.001	S27.3	6.461	S27.2	6.317	Circ	0.1mØ	11.133	77.1	0.600	0.757	0.863
15.002	S27.2	6.317	S27.1	5.712	Circ	0.1mØ	1.409	2.3	0.600	0.863	1.501
12.004	S27.1	5.662	S27	5.336	Circ	0.15mØ	5.642	17.3	0.600	1.501	1.795
12.005	S27	4.836	S28	4.690	Circ	0.6mØ	75.444	517.5	0.600	1.845	1.057
17.000	S28 RE4	6.005	S28.5	5.870	Circ	0.1mØ	10.795	80.0	0.600	0.500	0.825
17.001	S28.5	5.870	S28.3	5.711	Circ	0.1mØ	12.683	79.9	0.600	0.825	0.827
18.000	S28 RE3	5.979	S28.4	5.893	Circ	0.1mØ	6.916	80.0	0.600	0.500	0.492
18.001	S28.4	5.893	S28.3	5.711	Circ	0.1mØ	13.287	73.2	0.600	0.492	0.827
17.002	S28.3	5.711	S28.1	5.370	Circ	0.15mØ	17.703	51.8	0.600	0.777	0.901
19.000	S28 RE1	5.822	S28.2	5.579	Circ	0.1mØ	8.242	33.9	0.600	0.500	0.645
20.000	S28 RE2	5.631	S28.2	5.579	Circ	0.1mØ	8.140	157.1	0.600	0.500	0.645
19.001	S28.2	5.529	S28.1	5.370	Circ	0.15mØ	12.774	80.0	0.600	0.645	0.901
17.003	S28.1	5.370	S28	5.190	Circ	0.15mØ	2.724	15.2	0.600	0.901	1.007
12.006	S28	4.690	S29	4.644	Circ	0.6mØ	25.471	550.0	0.600	1.057	1.005
21.000	S29 RE2	5.544	S29.3	5.380	Circ	0.15mØ	16.447	100.5	0.600	0.664	1.011
21.001	S29.3	5.380	S29.2	5.222	Circ	0.15mØ	15.824	100.0	0.600	1.011	0.938
21.002	S29.2	5.222	S29.1	5.179	Circ	0.15mØ	4.301	100.0	0.600	0.938	1.026
22.000	S29 RE1	5.612	S29.1	5.300	Circ	0.15mØ	12.351	39.6	0.600	0.599	0.905
21.003	S29.1	5.179	S29	5.144	Circ	0.15mØ	4.158	118.8	0.600	1.026	0.955
12.007	S29	4.644	S30	4.616	Circ	0.6mØ	15.222	546.4	0.600	1.005	1.221
23.000	S30 RE5	5.922	S30.4	5.641	Circ	0.15mØ	10.309	36.7	0.600	0.509	0.500
23.001	S30.4	5.641	S30.3	5.492	Circ	0.15mØ	15.147	101.2	0.600	0.500	0.827
23.002	S30.3	5.492	S30	5.116	Circ	0.15mØ	11.561	30.8	0.600	0.827	1.171
12.008	S30	4.616	S7	4.524	Circ	0.6mØ	50.323	548.6	0.600	1.221	1.818
24.000	S116 RE3	5.954	S116.4	5.859	Circ	0.1mØ	7.594	80.0	0.600	0.605	0.529
24.001	S116.4	5.859	S116.3	5.731	Circ	0.1mØ	10.250	80.0	0.600	0.529	0.640
24.002	S116.3	5.731	S116	5.160	Circ	0.1mØ	9.196	16.1	0.600	0.640	0.990
25.000	S116 RE2	5.693	S116.2	5.638	Circ	0.1mØ	4.312	78.8	0.600	0.500	0.602
25.001	S116.2	5.638	S116.1	5.290	Circ	0.1mØ	14.325	41.1	0.600	0.602	0.902
26.000	S116 RE1	5.740	S116.1	5.290	Circ	0.1mØ	12.186	27.1	0.600	0.500	0.902
25.002	S116.1	5.290	S116	5.160	Circ	0.1mØ	4.301	33.1	0.600	0.902	0.990
24.003	S116	4.660	S115	4.616	Circ	0.6mØ	26.315	596.7	4.616	0.990	1.014
27.000	S115 RE2	5.450	S115.2	5.265	Circ	0.15mØ	14.294	77.4	0.600	0.550	0.728
27.001	S115.2	5.265	S115.1	5.164	Circ	0.15mØ	15.061	149.1	0.600	0.728	0.831
28.000	S115 RE1	5.300	S115.1	5.164	Circ	0.15mØ	10.191	74.9	0.600	0.741	0.831
27.002	S115.1	5.164	S115	5.116	Circ	0.15mØ	7.235	149.5	0.600	0.831	0.964
29.000	S115 RE4	5.632	S115.7	5.578	Circ	0.1mØ	4.119	76.2	0.600	0.500	0.579
29.001	S115.7	5.578	S115.6	5.367	Circ	0.1mØ	16.900	80.0	0.600	0.579	0.789

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)
30.000	S115 RE5	5.650	S115.6	5.367	Circ	0.1mØ	15.233	53.7	0.600	0.503	0.789
29.002	S115.6	5.316	S115.3	5.170	Circ	0.15mØ	8.265	56.4	0.600	0.789	1.070
31.000	S115 RE3	5.705	S115.5	5.626	Circ	0.1mØ	4.355	55.2	0.600	0.500	0.654
31.001	S115.5	5.626	S115.4	5.391	Circ	0.1mØ	14.098	60.1	0.600	0.654	0.890
31.002	S115.4	5.391	S115.3	5.220	Circ	0.1mØ	4.972	29.0	0.600	0.890	1.070
29.003	S115.3	5.170	S115	5.116	Circ	0.15mØ	5.944	109.3	0.600	1.070	0.964
24.004	S115	4.616	S114	4.569	Circ	0.6mØ	24.905	529.3	0.600	1.014	1.366
32.000	S114 RE3	5.795	S114.4	5.210	Circ	0.1mØ	11.479	19.6	0.600	0.500	1.052
33.000	S114 RE4	5.588	S114.4	5.210	Circ	0.1mØ	9.630	25.5	0.600	0.621	1.052
32.001	S114.4	5.210	S114.3	5.149	Circ	0.1mØ	4.894	80.2	0.600	1.052	1.194
32.002	S114.3	5.149	S114	5.069	Circ	0.1mØ	6.394	79.5	0.600	1.194	1.366
34.000	S114 RE2	5.700	S114.2	5.270	Circ	0.1mØ	11.657	27.1	0.600	0.550	1.156
35.000	S114 RE1	5.814	S114.2	5.270	Circ	0.1mØ	11.052	20.3	0.600	0.517	1.156
34.001	S114.2	5.270	S114.1	5.144	Circ	0.1mØ	5.044	40.0	0.600	1.156	1.412
34.002	S114.1	5.144	S114	5.069	Circ	0.1mØ	6.014	79.7	0.600	1.412	1.366
24.005	S114	4.569	S7	4.524	Circ	0.6mØ	24.395	550.0	0.600	1.366	1.818
36.000	S7 RE2	6.261	S7.2	6.009	Circ	0.1mØ	17.824	70.8	0.600	0.569	0.652
36.001	S7.2	6.009	S7.1	5.521	Circ	0.1mØ	11.004	22.5	0.600	0.652	1.262
37.000	S7 RE1	6.272	S7.1	5.521	Circ	0.1mØ	11.674	15.5	0.600	0.550	1.262
36.002	S7.1	5.521	S7	5.024	Circ	0.1mØ	9.344	18.8	0.600	1.262	1.818
1.008	S7	4.374	S8	4.318	Circ	0.75mØ	30.798	550.0	0.600	1.818	1.922
38.000	S8 RE4	6.329	S8.4	6.179	Circ	0.1mØ	11.968	80.0	0.600	0.500	0.567
38.001	S8.4	6.179	S8.3	6.055	Circ	0.1mØ	9.954	80.0	0.600	0.567	0.822
38.002	S8.3	6.055	S8.1	5.910	Circ	0.1mØ	11.591	80.0	0.600	0.822	0.940
39.000	S8 RE1	6.319	S8.2	5.957	Circ	0.1mØ	13.930	38.5	0.600	0.529	0.903
40.000	S8 RE2	6.150	S8.2	5.957	Circ	0.1mØ	13.573	70.4	0.600	0.586	0.903
39.001	S8.2	5.957	S8.1	5.910	Circ	0.1mØ	10.545	223.4	0.600	0.903	0.940
41.000	S8 RE3	6.313	S8.1	5.910	Circ	0.1mØ	12.618	31.3	0.600	0.550	0.940
38.003	S8.1	5.860	S8	4.968	Circ	0.15mØ	9.760	10.9	0.600	0.940	1.872
1.009	S8	4.318	S9	4.295	Circ	0.75mØ	12.512	544.0	0.600	1.922	1.747
42.000	S9 RE1	6.536	S9.3	6.385	Circ	0.1mØ	12.068	80.0	0.600	0.500	0.508
42.001	S9.3	6.385	S9.2	6.260	Circ	0.1mØ	9.992	80.0	0.600	0.508	0.635
42.002	S9.2	6.260	S9.1	5.865	Circ	0.1mØ	9.794	24.8	0.600	0.635	1.120
42.003	S9.1	5.865	S9	4.945	Circ	0.1mØ	13.618	14.8	0.600	1.120	1.747
1.010	S9	4.295	S10	4.186	Circ	0.75mØ	65.279	598.9	0.600	1.747	0.971
43.000	S155 RE2	5.735	S155.4	5.633	Circ	0.1mØ	8.131	79.9	0.600	0.500	0.550
43.001	S155.4	5.633	S155.3	5.430	Circ	0.1mØ	16.269	80.0	0.600	0.550	0.773
43.002	S155.3	5.430	S155.2	5.220	Circ	0.15mØ	21.010	100.1	0.600	0.723	0.969
43.003	S155.2	5.220	S155.1	5.123	Circ	0.15mØ	9.747	100.0	0.600	0.969	1.080
44.000	S155 RE1	5.690	S155.1	5.384	Circ	0.1mØ	21.625	70.7	0.600	0.541	0.868
43.004	S155.1	5.122	S155	4.897	Circ	0.15mØ	10.120	44.8	0.600	1.080	1.202
45.000	S153 RE2	5.507	S153.2	5.446	Circ	0.1mØ	4.797	78.9	0.600	0.550	0.676
45.001	S153.2	5.446	S153.1	5.093	Circ	0.1mØ	15.513	43.9	0.600	0.676	1.078
46.000	S153 RE1	5.540	S153.1	5.093	Circ	0.1mØ	15.742	35.3	0.600	0.550	1.078
45.002	S153.1	5.093	S153	5.012	Circ	0.1mØ	6.410	79.3	0.600	1.078	0.980
45.003	S153	4.737	S154	4.686	Circ	0.375mØ	12.033	235.2	0.600	0.980	1.148
47.000	S153 RE4	5.684	S154.2	5.549	Circ	0.1mØ	6.551	48.7	0.600	0.500	0.644
48.000	S154 RE4	5.678	S154.2	5.549	Circ	0.1mØ	2.261	17.5	0.600	0.495	0.644
47.001	S154.2	5.549	S154.1	5.392	Circ	0.1mØ	12.264	78.3	0.600	0.644	0.700
47.002	S154.1	5.392	S154	4.961	Circ	0.1mØ	14.646	33.9	0.600	0.700	1.148
45.004	S154	4.686	S155	4.622	Circ	0.375mØ	19.319	300.0	0.600	1.148	1.252
43.005	S155	4.622	S72	4.549	Circ	0.375mØ	21.912	300.0	0.600	1.252	1.136
49.000	S72 RE3	5.783	S72.4	5.723	Circ	0.1mØ	4.777	80.0	0.600	0.500	0.547
49.001	S72.4	5.723	S72.3	5.433	Circ	0.1mØ	18.099	62.3	0.600	0.547	0.750
50.000	S72 RE4	5.722	S72.3	5.433	Circ	0.1mØ	15.294	53.0	0.600	0.501	0.750
49.002	S72.3	5.433	S72.1	5.173	Circ	0.1mØ	6.402	24.6	0.600	0.750	0.955
51.000	S72 RE1	5.458	S72.2	5.315	Circ	0.1mØ	10.696	74.6	0.600	0.500	0.850
52.000	S72 RE2	5.627	S72.2	5.315	Circ	0.1mØ	4.063	13.0	0.600	0.498	0.850
51.001	S72.2	5.315	S72.1	5.130	Circ	0.1mØ	14.755	80.0	0.600	0.850	0.998
49.003	S72.1	5.080	S72	4.824	Circ	0.15mØ	6.763	26.3	0.600	0.998	1.086
43.006	S72	4.549	S10	4.470	Circ	0.375mØ	23.594	300.0	0.600	1.136	1.063
53.000	S10 RE7	6.098	S10.12	5.917	Circ	0.1mØ	14.466	80.0	0.600	0.500	0.627
53.001	S10.12	5.917	S10.11	5.692	Circ	0.1mØ	17.224	76.6	0.600	0.627	1.074
54.000	S10 RE8	6.322	S10.13	6.103	Circ	0.1mØ	11.493	52.4	0.600	0.500	0.744
54.001	S10.13	6.103	S10.11	5.692	Circ	0.1mØ	10.230	24.9	0.600	0.744	1.074
53.002	S10.11	5.692	S10.9	5.541	Circ	0.15mØ	15.055	100.0	0.600	1.024	0.950
55.000	S10 RE6	6.036	S10.9	5.580	Circ	0.1mØ	10.031	22.0	0.600	0.550	0.961
53.003	S10.9	5.541	S10.6	5.441	Circ	0.15mØ	10.058	100.0	0.600	0.950	0.794

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)
56.000	S10 RE5	5.872	S10.8	5.783	Circ	0.1mØ	7.107	80.0	0.600	0.550	0.654
56.001	S10.8	5.783	S10.7	5.696	Circ	0.1mØ	1.864	21.4	0.600	0.654	0.700
56.002	S10.7	5.696	S10.6	5.506	Circ	0.1mØ	11.259	59.2	0.600	0.700	0.778
53.004	S10.6	5.441	S10.5	5.294	Circ	0.15mØ	14.689	100.0	0.600	0.794	0.777
57.000	S10 RE4	5.636	S10.5	5.402	Circ	0.1mØ	11.799	50.4	0.600	0.550	0.719
53.005	S10.5	5.294	S10.4	5.251	Circ	0.15mØ	4.229	99.3	0.600	0.777	0.729
58.000	S10 RE3	5.570	S10.4	5.301	Circ	0.1mØ	12.306	45.7	0.600	0.500	0.729
53.006	S10.4	5.251	S10.1	4.910	Circ	0.15mØ	10.643	31.2	0.600	0.729	1.113
59.000	S10 RE2	5.489	S10.3	5.347	Circ	0.1mØ	6.659	46.9	0.600	0.513	0.623
59.001	S10.3	5.347	S10.2	5.146	Circ	0.1mØ	16.013	79.7	0.600	0.623	0.859
59.002	S10.2	5.146	S10.1	4.960	Circ	0.1mØ	14.896	80.1	0.600	0.859	1.113
60.000	S10 RE1	5.492	S10.1	4.910	Circ	0.1mØ	10.325	17.7	0.600	0.550	1.163
53.007	S10.1	4.910	S10	4.836	Circ	0.15mØ	8.156	110.2	0.600	1.113	0.921
1.011	S10	4.186	S11	4.150	Circ	0.75mØ	14.714	408.7	0.600	0.971	1.052
1.012	S11	4.150	S12	4.000	Circ	0.75mØ	42.836	285.6	0.600	1.052	1.202
61.000	S41 RE1	6.057	S41.2	5.998	Circ	0.1mØ	4.727	80.0	0.600	0.500	0.537
61.001	S41.2	5.998	S41.1	5.716	Circ	0.1mØ	16.422	58.2	0.600	0.537	0.892
62.000	S41 RE2	6.019	S41.1	5.716	Circ	0.1mØ	15.386	50.7	0.600	0.498	0.892
61.002	S41.1	5.716	S41	5.470	Circ	0.1mØ	12.527	50.9	0.600	0.892	1.191
61.003	S41	5.270	S42	4.903	Circ	0.3mØ	24.494	66.8	0.600	1.191	1.200
63.000	S42 RE1	5.843	S42.3	5.705	Circ	0.1mØ	11.040	80.0	0.600	0.500	0.750
63.001	S42.3	5.705	S42.2	5.515	Circ	0.1mØ	15.223	80.0	0.600	0.750	0.905
63.002	S42.2	5.514	S42.1	5.423	Circ	0.1mØ	7.337	80.0	0.600	0.906	1.086
64.000	S42 RE2	5.725	S42.4	5.550	Circ	0.1mØ	13.987	80.0	0.600	0.550	0.696
65.000	S42 RE3	5.776	S42.4	5.550	Circ	0.1mØ	9.400	41.6	0.600	0.529	0.696
64.001	S42.4	5.550	S42.1	5.423	Circ	0.1mØ	8.862	69.6	0.600	0.696	1.086
63.003	S42.1	5.373	S42	5.103	Circ	0.15mØ	7.113	26.3	0.600	1.086	1.150
61.004	S42	4.903	S45	4.587	Circ	0.3mØ	41.777	132.3	0.600	1.200	1.085
66.000	S117 RE2	5.908	S117.3	5.776	Circ	0.1mØ	10.569	80.0	0.600	0.605	0.676
66.001	S117.3	5.776	S117.1	5.384	Circ	0.1mØ	11.148	28.4	0.600	0.676	0.900
67.000	S117 RE1	5.857	S117.2	5.788	Circ	0.1mØ	5.484	80.0	0.600	0.500	0.560
67.001	S117.2	5.788	S117.1	5.384	Circ	0.1mØ	14.699	36.3	0.600	0.560	0.900
66.002	S117.1	5.384	S117	4.972	Circ	0.15mØ	6.602	16.0	0.600	0.850	1.093
66.003	S117	4.847	S45	4.662	Circ	0.225mØ	31.088	168.2	0.600	1.143	1.085
68.000	S45 RE3	5.568	S45.5	5.510	Circ	0.1mØ	4.592	80.0	0.600	0.500	0.512
68.001	S45.5	5.510	S45.4	5.200	Circ	0.1mØ	13.717	44.2	0.600	0.512	0.909
68.002	S45.4	5.200	S45.3	5.013	Circ	0.1mØ	14.969	80.0	0.600	0.909	0.994
68.003	S45.3	5.013	S45	4.787	Circ	0.1mØ	11.049	48.9	0.600	0.994	1.085
69.000	S45 RE2	5.095	S45.2	4.974	Circ	0.15mØ	15.791	130.1	0.600	0.675	0.964
69.001	S45.2	4.974	S45.1	4.860	Circ	0.15mØ	16.331	143.3	0.600	0.964	0.911
70.000	S45 RE1	5.077	S45.1	4.860	Circ	0.15mØ	16.904	77.8	0.600	0.552	0.911
69.002	S45.1	4.860	S45	4.787	Circ	0.15mØ	8.107	110.9	0.600	0.911	1.035
61.005	S45	4.437	S162	4.150	Circ	0.45mØ	21.203	73.9	0.600	1.085	1.352
61.006	S162	4.150	S12	4.000	Circ	0.45mØ	34.151	227.7	0.600	1.352	1.502
1.013	S12	4.000	S158	3.876	Circ	0.75mØ	15.406	124.2	0.600	1.202	1.367
1.014	S158	3.876	S13	3.858	Circ	0.75mØ	10.249	569.4	0.600	1.367	1.183
71.000	S71 RE2	5.745	S71.2	5.591	Circ	0.15mØ	15.491	100.0	0.600	0.550	0.439
71.001	S71.2	5.591	S71.1	5.407	Circ	0.15mØ	18.314	100.0	0.600	0.439	0.963
72.000	S71 RE1	6.026	S71.1	5.407	Circ	0.1mØ	10.673	17.3	0.600	0.550	1.013
71.002	S71.1	5.407	S71	4.776	Circ	0.15mØ	7.542	11.9	0.600	0.963	1.533
73.000	S71 RE4	6.000	S71.6	5.678	Circ	0.1mØ	13.747	42.7	0.600	0.550	0.700
73.001	S71.6	5.678	S71.4	5.574	Circ	0.1mØ	8.325	80.0	0.600	0.700	0.996
74.000	S71 RE3	5.798	S71.5	5.615	Circ	0.1mØ	12.691	69.3	0.600	0.500	0.826
74.001	S71.5	5.615	S71.4	5.574	Circ	0.1mØ	3.290	79.5	0.600	0.826	0.996
73.002	S71.4	5.574	S71	4.776	Circ	0.1mØ	4.395	5.5	0.600	0.996	1.583
71.003	S71	4.576	S171	4.462	Circ	0.3mØ	27.225	240.0	0.600	1.583	1.365
71.004	S171	4.462	S13	4.308	Circ	0.3mØ	37.013	240.0	0.600	1.365	1.183
75.000	S44 RE2	5.065	S44.4	4.943	Circ	0.1mØ	9.752	80.0	0.600	0.600	0.714
75.001	S44.4	4.900	S44.3	4.741	Circ	0.15mØ	14.484	91.1	0.600	0.707	0.761
75.002	S44.3	4.741	S44.1	4.676	Circ	0.15mØ	5.160	79.4	0.600	0.761	0.930
76.000	S44 RE1	5.060	S44.2	4.841	Circ	0.1mØ	10.717	49.0	0.600	0.557	0.807
76.001	S44.2	4.791	S44.1	4.676	Circ	0.15mØ	10.351	90.0	0.600	0.807	0.930
75.003	S44.1	4.676	S44	4.568	Circ	0.15mØ	8.529	79.2	0.600	0.930	0.921
75.004	S44	4.218	S13	4.158	Circ	0.45mØ	21.114	350.0	0.600	0.971	1.183
1.015	S13	3.858	S14	3.723	Circ	0.75mØ	60.660	449.3	0.600	1.183	1.528
77.000	S33 RE1	5.504	S33.2	5.370	Circ	0.1mØ	10.663	79.9	0.600	0.550	0.839
77.001	S33.2	5.370	S33.1	5.216	Circ	0.1mØ	12.275	79.7	0.600	0.839	1.047
78.000	S33 RE2	5.620	S33.3	5.547	Circ	0.1mØ	5.829	80.0	0.600	0.600	0.656

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)
78.001	S33.3	5.547	S33.1	5.216	Circ	0.1mØ	15.952	48.1	0.600	0.656	1.047
77.002	S33.1	5.216	S33	5.093	Circ	0.1mØ	5.904	48.2	0.600	1.047	1.066
77.003	S33	4.743	S172	4.621	Circ	0.45mØ	47.334	385.0	0.600	1.066	1.078
77.004	S172	4.621	S161	4.542	Circ	0.45mØ	31.526	399.8	0.600	1.078	1.476
79.000	S161 RE3	5.897	S161.3	5.487	Circ	0.15mØ	23.701	57.7	0.600	0.550	0.733
80.000	S161 RE2	5.628	S161.3	5.487	Circ	0.15mØ	14.146	100.0	0.600	0.490	0.733
79.001	S161.3	5.487	S161.2	5.000	Circ	0.15mØ	15.836	32.6	0.600	0.733	1.449
81.000	S161 RE1	6.104	S161.2	5.000	Circ	0.15mØ	18.754	17.0	0.600	0.550	1.449
79.002	S161.2	5.000	S161.1	4.928	Circ	0.15mØ	5.745	79.8	0.600	1.449	1.495
82.000	S161 RE4	5.493	S161.5	5.377	Circ	0.15mØ	11.624	100.0	0.600	0.512	0.684
82.001	S161.5	5.377	S161.4	5.219	Circ	0.15mØ	15.804	100.0	0.600	0.684	1.040
83.000	S161 RE5	5.768	S161.4	5.219	Circ	0.1mØ	6.356	11.6	0.600	0.550	1.090
82.002	S161.4	5.219	S161.1	4.928	Circ	0.15mØ	13.024	44.7	0.600	1.040	1.495
79.003	S161.1	4.928	S161	4.892	Circ	0.15mØ	4.061	111.8	0.600	1.495	1.426
77.005	S161	4.542	S34	4.353	Circ	0.45mØ	71.519	378.8	0.600	1.476	1.415
84.000	S34 RE3	5.948	S34.3	5.346	Circ	0.15mØ	15.948	26.5	0.600	0.500	0.765
85.000	S34 RE2	5.486	S34.3	5.346	Circ	0.15mØ	13.976	99.8	0.600	0.450	0.765
84.001	S34.3	5.346	S34.2	5.173	Circ	0.15mØ	17.273	99.8	0.600	0.765	1.144
86.000	S34 RE1	6.100	S34.2	5.173	Circ	0.15mØ	18.510	20.0	0.600	0.550	1.144
84.002	S34.2	5.173	F34.1	5.099	Circ	0.15mØ	7.406	100.1	0.600	1.144	1.192
84.003	F34.1	5.099	S34	4.703	Circ	0.15mØ	6.757	17.1	0.600	1.192	1.365
77.006	S34	4.353	S35	4.311	Circ	0.45mØ	16.187	385.0	0.600	1.415	1.179
77.007	S35	4.311	S36	4.198	Circ	0.45mØ	45.317	402.6	0.600	1.179	1.205
87.000	S36 RE2	5.192	S36.6	5.051	Circ	0.1mØ	11.287	80.0	0.600	0.500	0.668
87.001	S36.6	5.051	S36.3	4.930	Circ	0.1mØ	9.643	80.0	0.600	0.668	0.816
87.002	S36.3	4.930	S36.2	4.794	Circ	0.1mØ	10.864	80.0	0.600	0.816	0.996
87.003	S36.2	4.794	S36.1	4.650	Circ	0.1mØ	5.692	39.4	0.600	0.996	1.205
88.000	S36 RE3	5.513	S36.5	5.454	Circ	0.1mØ	4.754	80.0	0.600	0.550	0.719
88.001	S36.5	5.454	S36.4	5.259	Circ	0.1mØ	15.599	80.0	0.600	0.719	0.611
89.000	S36 RE4	5.588	S36.4	5.146	Circ	0.1mØ	15.455	35.0	0.600	0.480	0.723
88.002	S36.4	5.146	S36.1	4.650	Circ	0.1mØ	2.647	5.3	0.600	0.723	1.205
87.004	S36.1	4.600	S36	4.548	Circ	0.15mØ	6.320	122.2	0.600	1.205	1.155
77.008	S36	4.198	S37	4.097	Circ	0.45mØ	37.009	365.1	0.600	1.205	1.746
90.000	S37 RE1	5.680	S37.4	5.591	Circ	0.1mØ	7.119	80.0	0.600	0.511	0.663
90.001	S37.4	5.591	S37.3	5.572	Circ	0.1mØ	1.562	80.1	0.600	0.663	0.682
90.002	S37.3	5.572	S37.2	5.440	Circ	0.1mØ	10.205	77.5	0.600	0.682	0.745
90.003	S37.2	5.440	S37.1	5.325	Circ	0.1mØ	9.118	79.4	0.600	0.745	0.964
90.004	S37.1	5.325	S37	4.447	Circ	0.1mØ	5.889	6.7	0.600	0.964	1.746
77.009	S37	4.097	S14	4.023	Circ	0.45mØ	28.451	385.0	0.600	1.746	1.528
1.016	S14	3.723	S15	3.568	Circ	0.75mØ	43.769	282.4	0.600	1.528	1.235
1.017	S15	3.569	S16	3.528	Circ	0.75mØ	22.569	550.5	0.600	1.234	1.060
91.000	S56 RE1	5.198	S56.2	5.045	Circ	0.1mØ	12.222	80.0	0.600	0.645	0.699
91.001	S56.2	5.045	S56.1	4.907	Circ	0.1mØ	11.050	80.0	0.600	0.699	0.844
92.000	S56 RE2	5.275	S56.3	5.166	Circ	0.1mØ	8.689	79.7	0.600	0.500	0.636
92.001	S56.3	5.166	S56.1	4.907	Circ	0.1mØ	12.303	47.6	0.600	0.636	0.844
91.002	S56.1	4.907	S56	4.507	Circ	0.1mØ	14.191	35.5	0.600	0.844	1.312
91.003	S56	4.307	S57	4.253	Circ	0.3mØ	12.958	240.0	0.600	1.312	1.381
93.000	S57 RE2	5.206	S57.3	5.050	Circ	0.1mØ	12.522	80.3	0.600	0.501	0.550
93.001	S57.3	5.050	S57.1	4.895	Circ	0.1mØ	12.368	80.0	0.600	0.550	0.831
94.000	S57 RE1	5.246	S57.2	5.186	Circ	0.1mØ	4.801	80.0	0.600	0.500	0.518
94.001	S57.2	5.186	S57.1	4.895	Circ	0.1mØ	11.939	41.1	0.600	0.518	0.831
93.002	S57.1	4.895	S57	4.453	Circ	0.1mØ	19.536	44.2	0.600	0.831	1.381
91.004	S57	4.253	S58	4.104	Circ	0.3mØ	35.802	240.0	0.600	1.381	1.533
95.000	S58 RE1	5.100	S58.3	4.913	Circ	0.15mØ	14.909	80.0	0.600	0.500	0.683
95.001	S58.3	4.913	S58.2	4.704	Circ	0.15mØ	16.466	78.7	0.600	0.684	1.191
95.002	S58.2	4.704	S58.1	4.584	Circ	0.15mØ	11.958	99.7	0.600	1.191	1.194
95.003	S58.1	4.584	S58	4.304	Circ	0.15mØ	4.077	14.6	0.600	1.194	1.483
91.005	S58	4.104	S59	4.043	Circ	0.3mØ	14.915	245.4	0.600	1.533	1.444
96.000	S59 RE4	4.824	S59.6	4.674	Circ	0.15mØ	15.106	100.2	0.600	0.607	0.751
96.001	S59.6	4.674	S59.5	4.520	Circ	0.15mØ	15.406	100.3	0.600	0.751	1.102
97.000	S59 RE3	4.976	S59.5	4.674	Circ	0.1mØ	10.013	33.1	0.600	0.550	0.999
96.002	S59.5	4.520	S59.3	4.481	Circ	0.15mØ	3.901	100.0	0.600	1.102	1.210
98.000	S59 RE2	5.221	S59.4	5.154	Circ	0.1mØ	5.364	79.7	0.600	0.500	0.464
98.001	S59.4	5.154	S59.3	4.481	Circ	0.1mØ	14.226	21.1	0.600	0.464	1.260
96.003	S59.3	4.481	S59.1	4.409	Circ	0.15mØ	7.158	99.4	0.600	1.210	1.352
99.000	S59 RE1	5.342	S59.2	5.202	Circ	0.1mØ	10.578	75.9	0.600	0.509	0.577
99.001	S59.2	5.202	S59.1	4.459	Circ	0.1mØ	4.851	6.5	0.600	0.577	1.352
96.004	S59.1	4.409	S59	4.243	Circ	0.15mØ	4.912	29.7	0.600	1.352	1.394

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)
91.006	S59	4.043	S16	3.903	Circ	0.3mØ	33.429	237.5	0.600	1.444	1.135
100.000	S151 RE2	4.814	S151.3	4.669	Circ	0.15mØ	14.495	100.0	0.600	0.508	0.598
100.001	S151.3	4.669	S151.2	4.452	Circ	0.15mØ	17.375	80.1	0.600	0.598	0.755
101.000	S151 RE1	4.812	S151.2	4.452	Circ	0.1mØ	9.343	25.9	0.600	0.500	0.805
100.002	S151.2	4.452	S151.1	4.321	Circ	0.15mØ	10.481	80.0	0.600	0.755	1.017
100.003	S151.1	4.321	S151	4.244	Circ	0.15mØ	6.130	79.5	0.600	1.017	1.106
100.004	S151	3.894	S16	3.828	Circ	0.45mØ	19.958	302.9	0.600	1.156	1.060
1.018	S16	3.528	S169	3.451	Circ	0.75mØ	43.376	566.2	0.600	1.060	1.421
102.000	S169 RE4	4.870	S169.4	4.721	Circ	0.15mØ	14.821	100.0	0.600	0.550	0.707
102.001	S169.4	4.721	S169.3	4.553	Circ	0.15mØ	16.924	100.4	0.600	0.707	1.021
103.000	S169 RE3	4.999	S169.3	4.603	Circ	0.1mØ	10.418	26.3	0.600	0.573	1.021
102.002	S169.3	4.553	S169	4.101	Circ	0.1mØ	8.226	18.2	0.600	1.071	1.421
104.000	S169 RE2	5.122	S169.2	4.947	Circ	0.15mØ	14.549	83.3	0.600	0.536	0.744
104.001	S169.2	4.947	S169.1	4.762	Circ	0.15mØ	14.830	80.2	0.600	0.744	0.968
105.000	S169 RE1	5.155	S169.1	4.762	Circ	0.15mØ	9.532	24.3	0.600	0.506	0.968
104.002	S169.1	4.762	S169	4.101	Circ	0.1mØ	6.750	10.2	0.600	1.018	1.421
1.019	S169	3.451	S17	3.399	Circ	0.75mØ	28.940	552.4	0.600	1.421	1.547
106.000	S168 RE2	5.064	S168.3	4.783	Circ	0.1mØ	7.561	26.9	0.600	0.555	0.760
106.001	S168.3	4.783	S168.2	4.654	Circ	0.1mØ	10.339	80.1	0.600	0.760	0.990
106.002	S168.2	4.654	S168.1	4.409	Circ	0.1mØ	19.594	80.0	0.600	0.990	1.250
107.000	S168 RE1	5.159	S168.1	4.409	Circ	0.1mØ	10.092	13.5	0.600	0.563	1.250
106.003	S168.1	4.409	S168	4.377	Circ	0.1mØ	2.579	80.1	0.600	1.250	1.160
106.004	S168	4.177	S17	3.848	Circ	0.3mØ	9.964	30.3	0.600	1.160	1.548
1.020	S17	3.398	S18	3.356	Circ	0.75mØ	21.599	514.3	0.600	1.548	1.527
108.000	S60 RE1	5.004	S60.2	4.864	Circ	0.15mØ	14.052	100.0	0.600	0.600	0.677
108.001	S60.2	4.864	S60.1	4.724	Circ	0.15mØ	16.488	118.3	0.600	0.677	0.835
109.000	S60 RE2	5.110	S60.1	4.724	Circ	0.1mØ	10.029	26.0	0.600	0.500	0.885
108.002	S60.1	4.708	S60	4.654	Circ	0.15mØ	5.381	98.8	0.600	0.851	0.781
108.003	S60	4.304	S61	4.213	Circ	0.45mØ	32.039	353.7	0.600	0.831	0.908
108.004	S61	4.213	S62	4.180	Circ	0.45mØ	13.029	400.0	0.600	0.908	1.058
108.005	S62	4.180	S63	4.134	Circ	0.45mØ	18.382	400.0	0.600	1.058	1.441
110.000	S63 RE1	5.013	S63.1	4.824	Circ	0.1mØ	15.144	80.0	0.600	0.500	0.697
110.001	S63.1	4.774	S63.2	4.608	Circ	0.15mØ	16.654	100.0	0.600	0.697	1.080
111.000	S63 RE2	4.922	S63.2	4.608	Circ	0.15mØ	14.592	46.4	0.600	0.650	1.080
110.002	S63.2	4.608	S63	4.484	Circ	0.15mØ	5.090	41.3	0.600	1.080	1.391
108.006	S63	4.134	S64	3.976	Circ	0.45mØ	63.195	400.0	0.600	1.441	1.286
112.000	S64 RE3	5.212	S64.3	5.009	Circ	0.15mØ	16.258	80.0	0.600	0.500	0.785
113.000	S64 RE2	5.343	S64.3	5.009	Circ	0.15mØ	11.678	35.0	0.600	0.500	0.785
112.001	S64.3	5.009	S64.2	4.610	Circ	0.15mØ	16.856	42.3	0.600	0.785	1.300
114.000	S64 RE1	5.612	S64.2	4.660	Circ	0.1mØ	11.215	11.8	0.600	0.566	1.300
112.002	S64.2	4.610	S64.1	4.440	Circ	0.15mØ	17.717	104.3	0.600	1.300	1.250
112.003	S64.1	4.440	S64	4.326	Circ	0.15mØ	5.799	51.0	0.600	1.250	1.236
108.007	S64	3.976	S65	3.915	Circ	0.45mØ	24.665	400.0	0.600	1.286	1.261
108.008	S65	3.915	S66	3.900	Circ	0.45mØ	6.024	399.2	0.600	1.261	1.272
115.000	S67 RE1	5.219	S67.2	5.144	Circ	0.1mØ	6.001	80.0	0.600	0.529	0.615
115.001	S67.2	5.144	S67.1	5.026	Circ	0.1mØ	9.420	80.0	0.600	0.615	0.785
115.002	S67.1	5.026	S67	4.359	Circ	0.1mØ	2.179	3.3	0.600	0.785	1.400
115.003	S67	4.159	S66	4.050	Circ	0.3mØ	20.483	187.3	0.600	1.400	1.272
116.000	S66 RE1	5.237	S66.1	5.097	Circ	0.1mØ	11.144	80.0	0.600	0.557	0.628
116.001	S66.1	5.097	S66	4.250	Circ	0.1mØ	5.540	6.5	0.600	0.628	1.272
108.009	S66	3.900	S68	3.850	Circ	0.45mØ	16.026	322.3	0.600	1.272	1.281
108.010	S68	3.775	S69	3.670	Circ	0.525mØ	6.306	60.1	0.600	1.281	1.386
108.011	S69	3.670	S70	3.630	Circ	0.525mØ	17.566	439.1	0.600	1.386	1.114
108.012	S70	3.630	S18	3.581	Circ	0.525mØ	19.086	389.5	0.600	1.114	1.527
1.021	S18	3.356	S55	3.333	Circ	0.75mØ	13.157	572.1	0.600	1.527	1.380
117.000	S54 RE1	5.134	S54.3	5.043	Circ	0.1mØ	7.236	80.0	0.600	0.555	0.604
117.001	S54.3	5.043	S54.2	4.910	Circ	0.1mØ	10.717	80.0	0.600	0.604	0.755
117.002	S54.2	4.910	S54.1	4.668	Circ	0.1mØ	19.308	80.0	0.600	0.755	1.042
117.003	S54.1	4.668	S54	4.065	Circ	0.1mØ	6.578	10.9	0.600	1.042	1.567
118.000	S52	3.991	S53	3.923	Circ	0.3mØ	16.115	240.0	0.600	1.144	1.369
118.001	S53	3.923	S54	3.865	Circ	0.3mØ	14.024	240.0	0.600	1.369	1.567
117.004	S54	3.865	S55	3.783	Circ	0.3mØ	19.661	240.0	0.600	1.567	1.380
1.022	S55	3.333	S19	3.301	Circ	0.75mØ	17.738	554.3	0.600	1.380	1.148
1.023	S19	3.300	S20	3.275	Circ	0.75mØ	13.808	552.3	0.600	1.149	0.753
1.024	S20	3.275	S21	3.175	Circ	0.75mØ	40.282	402.8	0.600	0.753	0.853
1.025	S21	3.175	S22	2.261	Circ	0.75mØ	12.469	13.6	0.600	0.853	2.455
119.000	S22 RE2	4.688	S22.4	4.405	Circ	0.1mØ	6.858	24.2	0.600	0.517	0.800
119.001	S22.4	4.405	S22.3	4.300	Circ	0.1mØ	1.824	17.4	0.600	0.800	0.935

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)
119.002	S22.3	4.300	S22.2	4.220	Circ	0.1mØ	6.381	80.0	0.600	0.935	1.101
119.003	S22.2	4.220	S22.1	4.077	Circ	0.1mØ	11.493	80.0	0.600	1.101	1.249
120.000	S22 RE1	4.774	S22.1	4.077	Circ	0.1mØ	9.525	13.7	0.600	0.500	1.249
119.004	S22.1	4.077	S22	2.911	Circ	0.1mØ	2.809	2.4	0.600	1.249	2.455
1.026	S22	2.261	S157	2.190	Circ	0.75mØ	11.266	158.0	0.600	2.455	2.319
121.000	S73	5.567	S74	5.510	Circ	0.6mØ	28.361	497.6	0.600	0.033	0.090
121.001	S74	5.510	S76	5.316	Circ	0.6mØ	97.123	500.6	0.600	0.090	-0.342
121.002	S76	5.316	S100	5.140	Circ	0.6mØ	87.923	500.0	0.600	-0.341	-0.254
122.000	S92 RE1	6.185	S92.2	5.985	Circ	0.1mØ	13.268	66.2	0.600	0.500	0.880
122.001	S92.2	5.985	S92.1	5.830	Circ	0.1mØ	11.702	75.6	0.600	0.880	0.998
123.000	S92 RE2	6.445	S92.1	5.830	Circ	0.1mØ	10.408	16.9	0.600	0.488	0.998
122.002	S92.1	5.830	S92	5.741	Circ	0.1mØ	7.073	79.0	0.600	0.998	0.904
122.003	S92	5.466	S93	5.415	Circ	0.375mØ	15.929	315.8	0.600	0.904	0.957
124.000	S93 RE2	6.119	S93.3	6.068	Circ	0.1mØ	4.022	80.0	0.600	0.500	0.766
124.001	S93.3	6.068	S93.2	5.872	Circ	0.1mØ	16.961	86.4	0.600	0.766	0.849
124.002	S93.2	5.872	S93.1	5.792	Circ	0.1mØ	6.363	79.5	0.600	0.849	0.942
125.000	S93 RE1	5.910	S93.1	5.792	Circ	0.1mØ	8.966	76.0	0.600	0.893	0.942
124.003	S93.1	5.792	S93	5.690	Circ	0.1mØ	8.101	79.5	0.600	0.942	0.957
122.004	S93	5.415	S94	5.375	Circ	0.375mØ	11.055	279.3	0.600	0.957	1.228
122.005	S94	5.375	S95	5.329	Circ	0.375mØ	14.026	300.0	0.600	1.228	1.270
122.006	S95	5.329	S96	5.274	Circ	0.375mØ	16.490	300.0	0.600	1.270	1.185
126.000	S96 RE3	6.319	S96.7	6.216	Circ	0.1mØ	8.258	80.0	0.600	0.550	0.638
126.001	S96.7	6.216	S96.6	5.935	Circ	0.1mØ	2.668	9.5	0.600	0.638	0.886
126.002	S96.6	5.935	S96.5	5.790	Circ	0.1mØ	11.598	79.8	0.600	0.886	0.967
126.003	S96.5	5.761	S96.1	5.663	Circ	0.1mØ	7.829	79.9	0.600	0.995	1.333
127.000	S96 RE2	6.179	S96.4	6.077	Circ	0.1mØ	8.094	80.0	0.600	0.550	0.869
127.001	S96.4	6.077	S96.3	6.001	Circ	0.1mØ	2.546	33.2	0.600	0.869	0.905
127.002	S96.3	6.001	S96.2	5.861	Circ	0.1mØ	9.570	68.6	0.600	0.905	1.048
128.000	S96 RE1	6.563	S96.2	5.861	Circ	0.1mØ	12.667	18.0	0.600	0.551	1.048
127.003	S96.2	5.763	S96.1	5.663	Circ	0.1mØ	7.982	79.8	0.600	1.146	1.333
126.004	S96.1	5.613	S96	5.549	Circ	0.15mØ	6.453	100.5	0.600	1.333	1.135
122.007	S96	5.274	S97	5.209	Circ	0.375mØ	19.563	300.0	0.600	1.185	1.049
129.000	S97 RE1	6.197	S97.2	6.088	Circ	0.1mØ	8.648	79.4	0.600	0.550	0.728
129.001	S97.2	6.088	S97.1	5.947	Circ	0.1mØ	11.266	79.9	0.600	0.728	0.781
129.002	S97.1	5.947	S97	5.484	Circ	0.1mØ	12.573	27.1	0.600	0.781	1.049
122.008	S97	5.209	S98	5.158	Circ	0.375mØ	15.182	300.0	0.600	1.049	0.933
122.009	S98	5.158	S100	5.140	Circ	0.375mØ	5.417	300.0	0.600	0.933	-0.029
121.003	S100	5.140	S118	4.768	Circ	0.6mØ	109.265	293.8	0.600	-0.254	0.009
130.000	S99 RE4	6.473	S99.3	6.319	Circ	0.1mØ	9.826	63.6	0.600	0.510	0.615
131.000	S99 RE3	6.427	S99.3	6.319	Circ	0.1mØ	8.687	80.0	0.600	0.500	0.615
130.001	S99.3	6.319	S99.2	6.206	Circ	0.1mØ	9.029	80.0	0.600	0.615	0.659
132.000	S99 RE2	6.400	S99.2	6.265	Circ	0.1mØ	8.119	60.1	0.600	0.550	0.600
130.002	S99.2	6.206	S99.1	6.090	Circ	0.1mØ	9.224	80.0	0.600	0.659	0.685
133.000	S99 RE1	6.356	S99.1	6.150	Circ	0.1mØ	11.260	54.6	0.600	0.550	0.626
130.003	S99.1	6.090	S99	5.495	Circ	0.1mØ	8.563	14.4	0.600	0.685	1.073
130.004	S99	5.145	S101	5.080	Circ	0.45mØ	25.908	400.0	0.600	1.073	1.357
134.000	S101 RE2	6.483	S101.3	6.107	Circ	0.1mØ	16.233	43.2	0.600	0.500	0.614
135.000	S101 RE3	6.166	S101.3	6.107	Circ	0.1mØ	4.669	80.1	0.600	0.548	0.614
134.001	S101.3	6.107	S101.2	5.898	Circ	0.15mØ	16.734	80.0	0.600	0.564	0.998
136.000	S101 RE4	6.382	S101.2	5.922	Circ	0.1mØ	12.566	27.4	0.600	0.536	1.024
134.002	S101.2	5.898	S101.1	5.743	Circ	0.15mØ	12.416	80.1	0.600	0.998	1.160
137.000	S101 RE1	6.444	S101.1	6.065	Circ	0.1mØ	9.567	25.3	0.600	0.550	0.888
134.003	S101.1	5.743	S101	5.430	Circ	0.15mØ	9.053	28.9	0.600	1.160	1.307
130.005	S101	5.080	S102	4.946	Circ	0.45mØ	53.816	400.0	0.600	1.357	1.084
138.000	S122 RE2	5.882	S122.2	5.829	Circ	0.1mØ	4.228	80.0	0.600	0.500	0.553
138.001	S122.2	5.829	S122.1	5.511	Circ	0.1mØ	16.986	53.5	0.600	0.553	0.902
139.000	S122 RE1	5.712	S122.1	5.511	Circ	0.1mØ	14.455	72.1	0.600	0.550	0.902
138.002	S122.1	5.511	S122	5.366	Circ	0.1mØ	9.028	61.9	0.600	0.902	0.885
138.003	S122	5.241	S102	5.171	Circ	0.225mØ	11.338	162.2	0.600	0.885	1.084
140.000	S102 RE2	5.880	S102.3	5.703	Circ	0.1mØ	14.188	80.0	0.600	0.500	0.916
140.001	S102.3	5.703	S102.2	5.543	Circ	0.1mØ	12.754	80.0	0.600	0.916	1.080
140.002	S102.2	5.543	S102.1	5.469	Circ	0.1mØ	5.930	79.6	0.600	1.080	1.221
141.000	S102 RE4	6.317	S102.5	6.161	Circ	0.1mØ	12.475	80.0	0.600	0.500	0.598
142.000	S102 RE5	6.394	S102.5	6.161	Circ	0.1mØ	9.762	42.0	0.600	0.580	0.597
141.001	S102.5	6.161	S102.4	5.873	Circ	0.1mØ	4.572	15.9	0.600	0.597	0.835
143.000	S102 RE3	6.032	S102.4	5.873	Circ	0.1mØ	12.672	80.0	0.600	0.500	0.835
141.002	S102.4	5.873	S102.1	5.419	Circ	0.15mØ	14.159	31.2	0.600	0.785	1.221
144.000	S102 RE1	5.929	S102.1	5.469	Circ	0.1mØ	13.782	29.9	0.600	0.550	1.221

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)
140.003	S102.1	5.419	S102	5.296	Circ	0.15mØ	7.675	62.2	0.600	1.221	1.034
130.006	S102	4.946	S118	4.768	Circ	0.45mØ	10.990	61.9	0.600	1.084	0.159
121.004	S118	4.768	S82	4.706	Circ	0.6mØ	31.007	500.0	0.600	0.009	0.040
121.005	S82	4.706	S83	4.415	Circ	0.6mØ	145.437	500.0	0.600	0.040	0.185
121.006	S83	4.415	S85	4.250	Circ	0.6mØ	35.161	213.0	0.600	0.185	1.259
121.007	S85	4.250	S86	3.715	Circ	0.45mØ	32.217	60.2	0.600	1.409	1.323
121.008	S86	3.715	S87	3.575	Circ	0.45mØ	20.274	144.8	0.600	1.323	1.463
145.000	S107 RE3	6.243	S107.3	6.009	Circ	0.1mØ	15.067	64.6	0.600	0.500	0.688
146.000	S107 RE2	6.113	S107.4	6.058	Circ	0.1mØ	4.375	80.0	0.600	0.552	0.626
146.001	S107.4	6.058	S107.3	6.009	Circ	0.1mØ	3.935	80.0	0.600	0.626	0.688
145.001	S107.3	5.959	S107.2	5.700	Circ	0.15mØ	11.736	45.3	0.600	0.688	0.829
147.000	S107 RE4	6.162	S107.2	5.750	Circ	0.1mØ	14.095	34.2	0.600	0.500	0.829
145.002	S107.2	5.700	S107.1	5.515	Circ	0.15mØ	10.843	58.6	0.600	0.829	1.177
148.000	S107 RE1	6.077	S107.1	5.565	Circ	0.1mØ	6.690	13.1	0.600	0.600	1.177
145.003	S107.1	5.515	S107	5.433	Circ	0.15mØ	8.248	100.6	0.600	1.177	1.122
145.004	S107	5.008	S165	4.926	Circ	0.525mØ	28.521	349.1	0.600	1.172	1.048
149.000	S165 RE3	5.958	S165.5	5.562	Circ	0.1mØ	10.767	27.2	0.600	0.500	1.060
149.001	S165.5	5.562	S165.3	5.423	Circ	0.15mØ	15.277	109.9	0.600	1.010	1.015
150.000	S165 RE2	5.903	S165.4	5.790	Circ	0.1mØ	9.019	80.0	0.600	0.650	0.732
150.001	S165.4	5.623	S165.3	5.423	Circ	0.15mØ	15.857	79.3	0.600	0.849	1.015
149.002	S165.3	5.423	S165.1	5.379	Circ	0.15mØ	4.812	109.4	0.600	1.015	1.039
151.000	S165 RE1	5.885	S165.2	5.817	Circ	0.1mØ	5.462	80.0	0.600	0.550	0.559
151.001	S165.2	5.817	S165.1	5.429	Circ	0.1mØ	13.277	34.2	0.600	0.559	1.039
149.003	S165.1	5.379	S165	5.351	Circ	0.15mØ	2.751	99.3	0.600	1.039	0.998
145.005	S165	4.926	S108	4.859	Circ	0.525mØ	23.491	349.1	0.600	1.048	1.261
152.000	S113 RE3	6.306	S113.6	6.235	Circ	0.15mØ	10.600	150.0	0.600	0.500	0.484
152.001	S113.6	6.235	S113.5	5.764	Circ	0.15mØ	16.656	35.4	0.600	0.484	0.949
152.002	S113.5	5.764	S113.4	5.727	Circ	0.15mØ	2.347	63.4	0.600	0.949	1.139
153.000	S113 RE4	6.353	S113.4	5.727	Circ	0.15mØ	14.310	22.9	0.600	0.538	1.139
152.003	S113.4	5.727	S113	5.460	Circ	0.15mØ	11.036	41.3	0.600	1.139	1.230
154.000	S113 RE2	6.182	S113.3	5.631	Circ	0.1mØ	13.090	23.8	0.600	0.500	1.100
154.001	S113.3	5.631	S113.1	5.507	Circ	0.1mØ	7.730	62.0	0.600	1.100	1.259
155.000	S113 RE1	6.204	S113.2	5.684	Circ	0.1mØ	13.533	26.0	0.600	0.500	1.000
155.001	S113.2	5.684	S113.1	5.507	Circ	0.1mØ	3.860	21.8	0.600	1.000	1.259
154.002	S113.1	5.507	S113	5.461	Circ	0.1mØ	2.610	57.2	0.600	1.259	1.279
152.004	S113	5.336	S108	5.131	Circ	0.225mØ	29.802	145.6	0.600	1.279	1.289
156.000	S108 RE5	6.128	S108.7	5.971	Circ	0.1mØ	12.633	80.5	0.600	0.503	0.592
156.001	S108.7	5.971	S108.6	5.812	Circ	0.1mØ	12.695	79.8	0.600	0.592	0.756
156.002	S108.6	5.812	S108.2	5.450	Circ	0.1mØ	8.846	24.4	0.600	0.756	1.168
157.000	S108 RE1	6.075	S108.2	5.450	Circ	0.1mØ	14.165	22.7	0.600	0.550	1.168
156.003	S108.2	5.400	S108.1	5.344	Circ	0.15mØ	4.443	79.3	0.600	1.168	1.421
158.000	S108 RE3	6.279	S108.5	6.220	Circ	0.1mØ	4.786	80.0	0.600	0.500	0.562
158.001	S108.5	6.220	S108.4	6.020	Circ	0.1mØ	15.933	80.0	0.600	0.562	0.711
159.000	S108 RE4	6.273	S108.4	6.020	Circ	0.1mØ	15.056	59.5	0.600	0.550	0.711
158.002	S108.4	6.020	S108.3	5.975	Circ	0.1mØ	3.664	80.0	0.600	0.711	0.795
160.000	S108 RE2	6.258	S108.3	6.136	Circ	0.1mØ	9.800	80.0	0.600	0.500	0.634
158.003	S108.3	5.975	S108.1	5.344	Circ	0.15mØ	6.550	10.4	0.600	0.745	1.421
156.004	S108.1	5.344	S108	5.284	Circ	0.15mØ	6.650	110.8	0.600	1.421	1.211
145.006	S108	4.859	S167	4.776	Circ	0.525mØ	29.256	351.7	0.600	1.261	1.389
161.000	S167 RE3	5.791	S167.3	5.602	Circ	0.1mØ	15.093	80.0	0.600	0.500	0.853
162.000	S167 RE2	6.009	S167.3	5.602	Circ	0.1mØ	14.019	34.4	0.600	0.606	0.853
161.001	S167.3	5.552	S167.2	5.397	Circ	0.15mØ	15.468	100.0	0.600	0.853	1.231
163.000	S167 RE1	6.100	S167.2	5.399	Circ	0.1mØ	8.119	11.6	0.600	0.541	1.279
161.002	S167.2	5.397	S167.1	5.316	Circ	0.1mØ	8.119	100.0	0.600	1.281	1.258
161.003	S167.1	5.316	S167	5.201	Circ	0.15mØ	4.053	35.1	0.600	1.208	1.339
145.007	S167	4.776	S109	4.716	Circ	0.525mØ	21.042	351.7	0.600	1.389	1.224
164.000	S109 RE2	6.003	S109.4	5.876	Circ	0.1mØ	10.230	80.0	0.600	0.500	0.605
164.001	S109.4	5.875	S109.3	5.759	Circ	0.1mØ	9.329	80.1	0.600	0.605	0.835
164.002	S109.3	5.759	S109.2	5.601	Circ	0.1mØ	12.620	80.0	0.600	0.835	1.018
165.000	S109 RE5	6.218	S109.6	6.160	Circ	0.1mØ	4.650	80.0	0.600	0.500	0.543
165.001	S109.6	6.160	S109.5	5.879	Circ	0.1mØ	15.375	54.7	0.600	0.543	0.750
166.000	S109 RE4	6.262	S109.5	5.879	Circ	0.1mØ	15.505	40.5	0.600	0.550	0.750
165.002	S109.5	5.879	S109.2	5.601	Circ	0.1mØ	2.956	10.6	0.600	0.750	1.018
164.003	S109.2	5.601	S109.1	5.524	Circ	0.15mØ	6.143	79.5	0.600	0.968	1.083
167.000	S109 RE1	5.999	S109.1	5.738	Circ	0.1mØ	3.262	12.5	0.600	0.500	0.919
164.004	S109.1	5.524	S109	5.141	Circ	0.15mØ	6.330	16.5	0.600	1.083	1.174
145.008	S109	4.716	S110	4.565	Circ	0.525mØ	52.899	350.3	0.600	1.224	1.263
168.000	S110 RE2	5.861	S110.4	5.462	Circ	0.1mØ	22.105	55.5	0.600	0.500	0.797

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)
169.000	S110 RE1	5.915	S110.4	5.462	Circ	0.1mØ	13.500	29.8	0.600	0.500	0.797
168.001	S110.4	5.462	S110.3	5.255	Circ	0.1mØ	16.572	80.1	0.600	0.797	1.011
170.000	S110 RE3	5.778	S110.3	5.305	Circ	0.1mØ	20.806	44.0	0.600	0.500	0.961
168.002	S110.3	5.205	S110.2	5.156	Circ	0.15mØ	4.911	100.2	0.600	1.011	1.118
171.000	S110 RE4	6.000	S110.5	5.845	Circ	0.1mØ	10.207	65.8	0.600	0.500	0.500
171.001	S110.5	5.845	S110.2	5.206	Circ	0.1mØ	13.943	21.8	0.600	0.500	1.118
168.003	S110.2	5.156	S110.1	5.066	Circ	0.15mØ	8.822	98.6	0.600	1.118	1.302
172.000	S110 RE5	6.000	S110.7	5.869	Circ	0.1mØ	10.459	80.0	0.600	0.500	0.632
172.001	S110.7	5.869	S110.6	5.687	Circ	0.1mØ	11.330	62.0	0.600	0.632	0.831
172.002	S110.6	5.687	S110.1	5.117	Circ	0.1mØ	19.160	33.6	0.600	0.831	1.302
168.004	S110.1	5.066	S110	4.990	Circ	0.15mØ	8.266	108.1	0.600	1.302	1.213
173.000	S110 RE6	5.566	S110.11	5.513	Circ	0.1mØ	4.231	80.0	0.600	0.500	0.549
173.001	S110.11	5.513	S110.10	5.284	Circ	0.1mØ	14.499	63.4	0.600	0.549	0.908
173.002	S110.10	5.284	S110.9	5.105	Circ	0.1mØ	14.372	80.3	0.600	0.908	1.109
174.000	S110 RE7	5.660	S110.9	5.273	Circ	0.1mØ	12.724	32.9	0.600	0.550	0.941
173.003	S110.9	5.105	S110.8	5.014	Circ	0.15mØ	9.962	109.5	0.600	1.059	1.261
175.000	S110 RE9	5.755	S110.12	5.578	Circ	0.1mØ	14.198	80.0	0.600	0.550	0.584
175.001	S110.12	5.527	S110.8	5.014	Circ	0.15mØ	14.749	28.7	0.600	0.584	1.261
176.000	S110 RE8	5.912	S110.8	5.014	Circ	0.1mØ	14.094	15.7	0.600	0.588	1.311
173.004	S110.8	5.014	S110	4.990	Circ	0.15mØ	2.450	102.1	0.600	1.261	1.213
145.009	S110	4.565	S111	4.426	Circ	0.525mØ	48.754	350.7	0.600	1.263	1.509
177.000	S111 RE2	5.806	S111.3	5.644	Circ	0.15mØ	16.117	99.6	0.600	0.450	0.823
177.001	S111.3	5.644	S111.2	5.316	Circ	0.15mØ	16.696	50.9	0.600	0.823	1.109
177.002	S111.2	5.316	S111.1	4.958	Circ	0.15mØ	11.568	32.3	0.600	1.109	1.416
178.000	S111 RE1	5.672	S111.1	4.958	Circ	0.15mØ	5.345	7.5	0.600	0.563	1.416
177.003	S111.1	4.958	S111	4.850	Circ	0.15mØ	9.780	90.2	0.600	1.416	1.460
145.010	S111	4.425	S112	4.351	Circ	0.525mØ	26.488	357.9	0.600	1.510	1.840
179.000	S112 RE2	6.026	S112.3	5.895	Circ	0.15mØ	10.490	80.3	0.600	0.502	0.786
179.001	S112.3	5.895	S112.2	5.691	Circ	0.15mØ	16.289	79.8	0.600	0.786	0.944
179.002	S112.2	5.691	S112.1	5.619	Circ	0.15mØ	5.291	73.0	0.600	0.944	1.078
180.000	S112 RE1	6.115	S112.1	5.674	Circ	0.15mØ	4.371	9.9	0.600	0.600	1.023
179.003	S112.1	5.619	S112	4.776	Circ	0.15mØ	7.985	9.5	0.600	1.078	1.790
181.000	S112 RE3	6.162	S112.5	6.034	Circ	0.1mØ	10.489	81.4	0.600	0.531	0.656
181.001	S112.5	5.984	S112.4	5.695	Circ	0.15mØ	14.803	51.3	0.600	0.656	0.992
182.000	S112 RE4	5.994	S112.6	5.875	Circ	0.15mØ	9.526	80.0	0.600	0.550	0.657
182.001	S112.6	5.875	S112.4	5.695	Circ	0.15mØ	15.388	85.4	0.600	0.657	0.992
181.002	S112.4	5.695	S112	4.776	Circ	0.15mØ	4.897	5.3	0.600	0.992	1.790
145.011	S112	4.351	S170	4.220	Circ	0.525mØ	26.285	200.6	0.600	1.840	1.943
183.000	S170 RE2	5.955	S170.3	5.817	Circ	0.15mØ	10.986	80.0	0.600	0.550	0.781
183.001	S170.3	5.817	S170.2	5.596	Circ	0.15mØ	16.997	76.7	0.600	0.781	1.171
183.002	S170.2	5.596	S170.1	5.309	Circ	0.15mØ	16.962	59.1	0.600	1.171	1.409
184.000	S170 RE1	6.118	S170.1	5.359	Circ	0.1mØ	12.254	16.1	0.600	0.550	1.409
183.003	S170.1	5.309	S170	4.645	Circ	0.15mØ	6.718	10.1	0.600	1.409	1.893
185.000	S170 RE4	6.217	S170.6	6.144	Circ	0.1mØ	5.895	80.0	0.600	0.500	0.545
185.001	S170.6	6.144	S170.5	5.786	Circ	0.1mØ	16.263	45.5	0.600	0.545	0.907
185.002	S170.5	5.786	S170.4	5.656	Circ	0.15mØ	12.115	92.7	0.600	0.857	0.910
186.000	S170 RE3	6.261	S170.4	5.746	Circ	0.1mØ	12.237	23.7	0.600	0.516	0.871
185.003	S170.4	5.656	S170	4.645	Circ	0.1mØ	4.344	4.3	0.600	0.960	1.943
145.012	S170	4.220	S105	4.172	Circ	0.525mØ	9.596	200.6	0.600	1.943	1.810
187.000	S103 RE4	5.681	S103.8	5.624	Circ	0.1mØ	4.552	80.0	0.600	0.550	0.669
187.001	S103.8	5.624	S103.7	5.427	Circ	0.1mØ	15.823	80.0	0.600	0.669	0.797
187.002	S103.7	5.427	S103.5	5.195	Circ	0.1mØ	14.672	63.4	0.600	0.797	0.961
188.000	S103 RE3	5.655	S103.6	5.597	Circ	0.1mØ	4.627	80.0	0.600	0.550	0.661
188.001	S103.6	5.389	S103.5	5.195	Circ	0.1mØ	15.515	80.0	0.600	0.869	0.961
187.003	S103.5	5.145	S103.1	4.993	Circ	0.15mØ	16.748	110.2	0.600	0.961	1.100
189.000	S103 RE2	5.725	S103.4	5.539	Circ	0.1mØ	14.965	80.2	0.600	0.486	0.726
189.001	S103.4	5.539	S103.3	5.249	Circ	0.1mØ	12.636	43.7	0.600	0.726	1.003
189.002	S103.3	5.249	S103.2	5.120	Circ	0.1mØ	10.500	81.3	0.600	1.003	1.004
190.000	S103 RE1	5.650	S103.2	5.120	Circ	0.1mØ	8.115	15.3	0.600	0.548	1.004
189.003	S103.2	5.120	S103.1	5.074	Circ	0.1mØ	3.666	80.0	0.600	1.004	1.069
187.004	S103.1	4.993	S103	4.811	Circ	0.15mØ	9.214	50.6	0.600	1.100	1.112
191.000	S121 RE2	5.784	S121.2	5.705	Circ	0.1mØ	5.707	72.2	0.600	0.500	0.665
191.001	S121.2	5.705	S121.1	5.362	Circ	0.1mØ	14.636	42.6	0.600	0.665	0.909
192.000	S121 RE1	5.782	S121.1	5.362	Circ	0.1mØ	14.244	33.9	0.600	0.500	0.909
191.002	S121.1	5.362	S121	4.890	Circ	0.1mØ	9.158	19.4	0.600	0.909	1.200
191.003	S121	4.615	S103	4.536	Circ	0.375mØ	24.775	311.9	0.600	1.200	1.162
187.005	S103	4.536	S106	4.383	Circ	0.375mØ	44.761	293.8	0.600	1.162	1.544
187.006	S106	4.383	S105	4.322	Circ	0.375mØ	20.537	334.8	0.600	1.544	1.810

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)
145.013	S105	4.172	S124	3.967	Circ	0.525mØ	54.810	267.2	0.600	1.810	2.308
145.014	S124	3.967	S125	3.935	Circ	0.525mØ	9.745	300.0	0.600	2.308	2.287
193.000	S125 RE1	6.103	S125.2	5.519	Circ	0.15mØ	16.377	28.1	0.600	0.500	1.200
193.001	S125.2	5.519	S125.1	5.227	Circ	0.15mØ	18.205	62.3	0.600	1.200	1.600
194.000	S125 RE2	6.043	S125.1	5.227	Circ	0.15mØ	17.877	21.9	0.600	0.493	1.600
193.002	S125.1	5.227	S125	4.360	Circ	0.15mØ	7.125	8.2	0.600	1.600	2.237
145.015	S125	3.935	S126	3.782	Circ	0.525mØ	45.798	300.0	0.600	2.287	1.612
145.016	S126	3.782	S127	3.715	Circ	0.525mØ	21.668	322.2	0.600	1.612	1.248
145.017	S127	3.715	S87	3.500	Circ	0.525mØ	19.844	92.5	0.600	1.248	1.463
195.000	S46 RE2	5.456	S46.2	5.339	Circ	0.1mØ	9.400	80.0	0.600	0.550	0.583
195.001	S46.2	5.339	S46.1	4.863	Circ	0.1mØ	14.138	29.7	0.600	0.583	0.700
196.000	S46 RE1	5.320	S46.1	4.863	Circ	0.1mØ	14.020	30.7	0.600	0.500	0.700
195.002	S46.1	4.863	S46	4.200	Circ	0.1mØ	5.341	8.1	0.600	0.700	1.198
195.003	S46	4.000	S128	3.922	Circ	0.3mØ	17.810	228.7	0.600	1.198	1.122
197.000	S128 RE4	4.847	S128.6	4.720	Circ	0.1mØ	10.147	80.1	0.600	0.550	0.677
198.000	S128 RE3	4.949	S128.6	4.720	Circ	0.1mØ	7.296	31.9	0.600	0.550	0.677
197.001	S128.6	4.720	S128.5	4.683	Circ	0.1mØ	2.998	80.0	0.600	0.677	0.733
197.002	S128.5	4.683	S128.4	4.562	Circ	0.1mØ	9.653	80.0	0.600	0.733	0.830
197.003	S128.4	4.562	S128.1	4.351	Circ	0.1mØ	16.838	80.0	0.600	0.830	1.015
199.000	S128 RE2	5.207	S128.3	5.112	Circ	0.1mØ	7.584	80.0	0.600	0.500	0.406
199.001	S128.3	5.112	S128.2	4.735	Circ	0.1mØ	3.297	8.7	0.600	0.406	0.701
199.002	S128.2	4.735	S128.1	4.351	Circ	0.1mØ	10.926	28.5	0.600	0.701	1.015
200.000	S128 RE1	4.966	S128.1	4.351	Circ	0.1mØ	11.651	18.9	0.600	0.499	1.015
197.004	S128.1	4.301	S128	4.122	Circ	0.15mØ	4.434	24.7	0.600	1.015	1.072
201.000	S47	4.105	S128	3.922	Circ	0.3mØ	41.263	225.0	0.600	1.228	1.122
195.004	S128	3.922	S129	3.715	Circ	0.3mØ	14.886	72.0	0.600	1.122	1.473
195.005	S129	3.715	S87	3.500	Circ	0.3mØ	31.507	146.5	0.600	1.473	1.688
121.009	S87	3.500	S159	3.420	Circ	0.525mØ	10.152	126.8	0.600	1.463	1.904
121.010	S159	3.420	S88	3.335	Circ	0.45mØ	8.690	101.9	0.600	1.979	1.976
202.000	S50 RE4	5.141	S50.6	5.072	Circ	0.1mØ	5.508	80.1	0.600	0.500	0.580
202.001	S50.6	5.072	S50.5	4.903	Circ	0.1mØ	13.515	80.0	0.600	0.580	0.919
202.002	S50.5	4.903	S50.1	4.717	Circ	0.1mØ	14.833	79.7	0.600	0.919	1.045
203.000	S50 RE3	5.094	S50.4	4.967	Circ	0.1mØ	10.160	80.0	0.600	0.500	0.707
203.001	S50.4	4.967	S50.2	4.818	Circ	0.1mØ	11.911	79.8	0.600	0.707	0.925
204.000	S50 RE2	5.065	S50.3	4.997	Circ	0.1mØ	5.488	80.0	0.600	0.500	0.574
204.001	S50.3	4.997	S50.2	4.818	Circ	0.1mØ	13.687	76.6	0.600	0.574	0.925
203.002	S50.2	4.818	S50.1	4.717	Circ	0.1mØ	3.753	37.2	0.600	0.925	1.045
205.000	S50 RE1	5.125	S50.1	4.717	Circ	0.1mØ	11.627	28.5	0.600	0.500	1.045
202.003	S50.1	4.717	S50	4.058	Circ	0.15mØ	4.899	7.4	0.600	0.995	1.516
202.004	S50	3.708	S51	3.599	Circ	0.45mØ	37.490	343.2	0.600	1.566	1.845
206.000	S51 RE2	5.202	S51.2	4.997	Circ	0.1mØ	16.411	80.0	0.600	0.500	0.760
206.001	S51.2	4.997	S51.1	4.812	Circ	0.1mØ	14.808	79.9	0.600	0.760	1.101
207.000	S51 RE1	5.378	S51.1	5.013	Circ	0.1mØ	11.918	32.6	0.600	0.507	0.900
206.002	S51.1	4.812	S51	3.949	Circ	0.1mØ	4.987	5.8	0.600	1.101	1.845
202.005	S51	3.599	S49	3.524	Circ	0.45mØ	25.673	344.1	0.600	1.845	1.768
208.000	S49 RE2	4.960	S49.4	4.766	Circ	0.1mØ	5.649	29.1	0.600	0.500	0.600
208.001	S49.4	4.766	S49.3	4.673	Circ	0.1mØ	13.673	146.1	0.600	0.600	0.700
208.002	S49.3	4.673	S49.1	4.612	Circ	0.1mØ	4.880	80.0	0.600	0.700	0.911
209.000	S49 RE1	4.986	S49.2	4.842	Circ	0.1mØ	11.518	79.8	0.600	0.519	0.719
209.001	S49.2	4.842	S49.1	4.612	Circ	0.1mØ	6.740	29.3	0.600	0.719	0.911
208.003	S49.1	4.612	S49	3.874	Circ	0.1mØ	19.605	26.6	0.600	0.911	1.768
202.006	S49	3.524	S48	3.473	Circ	0.45mØ	17.791	349.9	0.600	1.768	1.925
210.000	S48 RE2	5.083	S48.2	4.869	Circ	0.1mØ	9.206	43.1	0.600	0.550	0.700
210.001	S48.2	4.869	S48.1	4.718	Circ	0.1mØ	12.060	80.0	0.600	0.700	0.922
211.000	S48 RE1	5.218	S48.1	4.718	Circ	0.1mØ	9.772	19.5	0.600	0.503	0.922
210.002	S48.1	4.718	S48	3.823	Circ	0.1mØ	7.027	7.9	0.600	0.922	1.925
202.007	S48	3.473	S152	3.391	Circ	0.45mØ	28.657	350.0	0.600	1.925	1.743
212.000	S152 RE1	5.108	S152.2	4.746	Circ	0.1mØ	17.462	48.2	0.600	0.502	0.753
213.000	S152 RE2	5.047	S152.2	4.746	Circ	0.1mØ	15.971	53.0	0.600	0.550	0.753
212.001	S152.2	4.746	S152.1	4.650	Circ	0.1mØ	7.706	80.0	0.600	0.753	0.781
214.000	S152 RE3	5.210	S152.3	4.756	Circ	0.1mØ	17.284	38.0	0.600	0.500	0.675
215.000	S152 RE4	5.091	S152.3	4.756	Circ	0.1mØ	13.419	40.0	0.600	0.564	0.675
214.001	S152.3	4.756	S152.1	4.650	Circ	0.1mØ	4.199	39.6	0.600	0.675	0.781
212.002	S152.1	4.650	S152	3.741	Circ	0.15mØ	4.595	5.1	0.600	0.731	1.693
202.008	S152	3.391	S88	3.335	Circ	0.45mØ	18.370	325.3	0.600	1.743	1.976
121.011	S88	3.260	S89	2.941	Circ	0.525mØ	55.523	174.1	0.600	1.976	2.389
216.000	S89 RE1	5.338	S89.4	5.163	Circ	0.1mØ	6.635	38.0	0.600	0.526	0.675
217.000	S89 RE2	5.278	S89.4	5.163	Circ	0.1mØ	6.380	55.8	0.600	0.500	0.675

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)
216.001	S89.4	5.163	S89.3	5.025	Circ	0.1mØ	11.087	80.0	0.600	0.675	0.949
216.002	S89.3	5.025	S89.2	4.825	Circ	0.1mØ	15.952	80.0	0.600	0.949	1.019
218.000	S89 RE4	5.178	S89.5	5.097	Circ	0.1mØ	6.570	80.7	0.600	0.575	0.738
219.000	S89 RE3	5.305	S89.5	5.097	Circ	0.1mØ	5.961	28.6	0.600	0.569	0.738
218.001	S89.5	5.097	S89.2	4.825	Circ	0.1mØ	11.336	41.8	0.600	0.738	1.019
216.003	S89.2	4.825	S89.1	4.681	Circ	0.15mØ	11.498	79.7	0.600	0.969	0.998
220.000	S89 RE6	4.979	S89.6	4.936	Circ	0.1mØ	7.813	180.9	0.600	0.602	0.749
221.000	S89 RE5	5.177	S89.6	4.936	Circ	0.1mØ	5.886	24.5	0.600	0.570	0.749
220.001	S89.6	4.936	S89.1	4.681	Circ	0.1mØ	12.016	47.2	0.600	0.749	1.048
222.000	S89 RE7	5.096	S89.1	4.681	Circ	0.1mØ	14.623	35.2	0.600	0.614	1.048
216.004	S89.1	4.681	S89	3.366	Circ	0.15mØ	1.852	1.4	0.600	0.998	2.339
121.012	S89	2.941	S90	2.733	Circ	0.525mØ	30.947	148.8	0.600	2.389	2.406
223.000	S90 RE1	4.938	S90.3	4.737	Circ	0.15mØ	16.059	80.0	0.600	0.571	0.694
223.001	S90.3	4.737	S90.2	4.300	Circ	0.15mØ	15.536	35.5	0.600	0.694	1.208
223.002	S90.2	4.300	S90.1	4.000	Circ	0.15mØ	10.119	33.7	0.600	1.208	1.557
223.003	S90.1	4.000	S90	3.158	Circ	0.15mØ	1.976	2.3	0.600	1.557	2.356
121.013	S90	2.733	S91	2.558	Circ	0.525mØ	18.123	103.6	0.600	2.406	2.205
224.000	S156 RE2	4.800	S156.3	4.685	Circ	0.1mØ	9.141	80.0	0.600	0.500	0.659
224.001	S156.3	4.685	S156.2	4.506	Circ	0.1mØ	14.354	80.0	0.600	0.659	0.898
224.002	S156.2	4.506	S156.1	4.323	Circ	0.1mØ	14.623	80.0	0.600	0.898	0.893
225.000	S156 RE1	4.785	S156.1	4.323	Circ	0.1mØ	7.915	17.1	0.600	0.480	0.893
224.003	S156.1	4.323	S156	4.081	Circ	0.1mØ	6.792	28.1	0.600	0.893	1.210
224.004	S156	3.956	S91	2.816	Circ	0.225mØ	18.569	16.3	0.600	1.210	2.247
121.014	S91	2.558	S157	2.415	Circ	0.525mØ	27.783	193.8	0.600	2.205	2.319
1.027	S157	2.190	S25	2.090	Circ	0.75mØ	21.917	219.2	0.600	2.319	2.066
226.000	S130 RE4	5.049	S130.5	4.948	Circ	0.1mØ	8.047	80.0	0.600	0.500	0.566
227.000	S130 RE3	5.048	S130.5	4.948	Circ	0.1mØ	5.865	58.9	0.600	0.495	0.566
226.001	S130.5	4.948	S130.4	4.822	Circ	0.1mØ	2.809	22.2	0.600	0.566	0.675
226.002	S130.4	4.822	S130.3	4.693	Circ	0.1mØ	10.300	80.0	0.600	0.675	0.832
226.003	S130.3	4.693	S130.1	4.592	Circ	0.1mØ	8.101	80.0	0.600	0.832	1.051
228.000	S130 RE1	5.067	S130.2	4.650	Circ	0.1mØ	10.567	25.3	0.600	0.500	1.018
229.000	S130 RE2	5.212	S130.2	4.650	Circ	0.1mØ	8.936	15.9	0.600	0.500	1.018
228.001	S130.2	4.650	S130.1	4.592	Circ	0.1mØ	1.991	34.1	0.600	1.018	1.051
226.004	S130.1	4.592	S130	4.233	Circ	0.15mØ	5.002	13.9	0.600	1.001	1.167
226.005	S130	3.883	S131	3.780	Circ	0.45mØ	33.281	323.6	0.600	1.217	0.921
230.000	S131 RE1	4.888	S131.4	4.753	Circ	0.1mØ	10.827	80.0	0.600	0.500	0.689
230.001	S131.4	4.753	S131.3	4.564	Circ	0.1mØ	15.093	80.0	0.600	0.689	0.584
230.002	S131.3	4.564	S131.2	4.396	Circ	0.1mØ	13.465	80.0	0.600	0.584	0.850
230.003	S131.2	4.396	S131.1	4.282	Circ	0.1mØ	4.893	43.0	0.600	0.850	0.953
231.000	S131 RE3	4.559	S131.6	4.456	Circ	0.1mØ	8.212	79.8	0.600	0.540	0.607
232.000	S131 RE2	4.744	S131.6	4.456	Circ	0.1mØ	7.369	25.6	0.600	0.490	0.607
231.001	S131.6	4.456	S131.5	4.431	Circ	0.1mØ	1.929	77.2	0.600	0.607	0.664
231.002	S131.5	4.431	S131.1	4.282	Circ	0.1mØ	11.888	79.8	0.600	0.664	0.953
233.000	S131 RE4	4.589	S131.1	4.282	Circ	0.1mØ	9.923	32.3	0.600	0.575	0.953
230.004	S131.1	4.232	S131	4.130	Circ	0.15mØ	5.186	50.9	0.600	0.953	0.871
226.006	S131	3.780	S132	3.732	Circ	0.45mØ	19.428	399.2	0.600	0.921	0.810
234.000	S132 RE2	4.478	S132.3	4.425	Circ	0.1mØ	4.243	79.7	0.600	0.549	0.635
234.001	S132.3	4.425	S132.2	4.248	Circ	0.1mØ	14.099	79.7	0.600	0.635	0.808
234.002	S132.2	4.248	S132.1	4.145	Circ	0.1mØ	8.215	79.8	0.600	0.808	0.870
235.000	S132 RE1	4.522	S132.1	4.145	Circ	0.1mØ	6.862	18.2	0.600	0.496	0.870
234.003	S132.1	4.145	S132	4.082	Circ	0.1mØ	7.869	124.0	0.600	0.870	0.810
226.007	S132	3.732	S133	3.670	Circ	0.45mØ	24.209	394.7	0.600	0.810	1.084
236.000	S133 RE3	4.663	S133.5	4.562	Circ	0.1mØ	8.061	80.0	0.600	0.500	0.571
237.000	S133 RE2	4.670	S133.5	4.562	Circ	0.1mØ	7.007	64.5	0.600	0.500	0.571
236.001	S133.5	4.562	S133.4	4.542	Circ	0.1mØ	1.520	76.8	0.600	0.571	0.589
236.002	S133.4	4.542	S133.3	4.405	Circ	0.1mØ	10.904	79.6	0.600	0.589	0.717
236.003	S133.3	4.405	S133.1	4.261	Circ	0.1mØ	11.528	80.1	0.600	0.717	1.006
238.000	S133 RE1	4.683	S133.2	4.557	Circ	0.1mØ	8.160	64.8	0.600	0.500	0.600
238.001	S133.2	4.557	S133.1	4.261	Circ	0.1mØ	6.188	20.9	0.600	0.600	1.006
236.004	S133.1	4.261	S133	4.020	Circ	0.1mØ	5.091	21.1	0.600	1.006	1.084
226.008	S133	3.670	S134	3.622	Circ	0.45mØ	18.621	385.0	0.600	1.084	1.347
226.009	S134	3.622	S135	3.572	Circ	0.45mØ	19.221	385.0	0.600	1.347	1.585
239.000	S135 RE2	4.936	S135.3	4.854	Circ	0.1mØ	6.581	80.0	0.600	0.500	0.726
239.001	S135.3	4.854	S135.2	4.496	Circ	0.1mØ	11.384	31.8	0.600	0.726	1.057
240.000	S135 RE1	5.016	S135.2	4.496	Circ	0.1mØ	9.650	18.6	0.600	0.522	1.057
239.002	S135.2	4.496	S135.1	4.462	Circ	0.1mØ	2.678	79.0	0.600	1.057	1.139
239.003	S135.1	4.462	S135	3.922	Circ	0.1mØ	5.234	9.7	0.600	1.139	1.585
226.010	S135	3.572	S136	3.536	Circ	0.45mØ	13.861	389.2	0.600	1.585	1.708

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)
241.000	S150 RE2	4.849	S150.4	4.743	Circ	0.1mØ	8.457	80.0	0.600	0.500	0.618
242.000	S150 RE1	4.893	S150.4	4.743	Circ	0.1mØ	6.404	42.6	0.600	0.495	0.618
241.001	S150.4	4.743	S150.3	4.711	Circ	0.1mØ	2.517	79.9	0.600	0.618	0.635
241.002	S150.3	4.711	S150.2	4.558	Circ	0.1mØ	12.253	80.0	0.600	0.635	0.874
241.003	S150.2	4.558	S150.1	4.190	Circ	0.1mØ	10.304	28.0	0.600	0.874	1.138
243.000	S150 RE4	4.760	S150.6	4.605	Circ	0.1mØ	12.441	80.0	0.600	0.500	0.688
243.001	S150.6	4.605	S150.5	4.218	Circ	0.1mØ	9.982	25.8	0.600	0.688	1.085
244.000	S150 RE3	4.740	S150.5	4.218	Circ	0.1mØ	13.894	26.6	0.600	0.494	1.085
243.002	S150.5	4.218	S150.1	4.190	Circ	0.1mØ	2.246	80.0	0.600	1.085	1.138
241.004	S150.1	4.140	S150	4.061	Circ	0.15mØ	3.990	50.9	0.600	1.138	1.105
241.005	S150	3.861	S136	3.684	Circ	0.3mØ	43.323	243.9	0.600	1.155	1.711
245.000	S136 RE2	5.060	S136.3	4.913	Circ	0.1mØ	11.753	80.0	0.600	0.500	0.641
245.001	S136.3	4.913	S136.4	4.545	Circ	0.1mØ	7.604	20.7	0.600	0.641	0.938
246.000	S136 RE4	4.760	S136.5	4.647	Circ	0.1mØ	8.997	80.0	0.600	0.600	0.875
247.000	S136 RE3	5.007	S136.5	4.647	Circ	0.1mØ	5.097	14.2	0.600	0.500	0.875
246.001	S136.5	4.647	S136.4	4.545	Circ	0.1mØ	8.158	80.0	0.600	0.875	0.938
245.002	S136.4	4.495	S136.2	4.422	Circ	0.15mØ	5.862	80.2	0.600	0.938	1.145
245.003	S136.2	4.422	S136.1	4.226	Circ	0.15mØ	15.647	79.8	0.600	1.145	1.445
248.000	S136 RE1	5.109	S136.1	4.276	Circ	0.1mØ	7.529	9.0	0.600	0.502	1.445
245.004	S136.1	4.226	S136	3.886	Circ	0.15mØ	3.873	11.4	0.600	1.445	1.658
226.011	S136	3.536	S137	3.510	Circ	0.45mØ	12.970	493.1	0.600	1.708	0.875
226.012	S137	3.510	S138	3.350	Circ	0.45mØ	98.853	617.8	0.600	0.875	1.035
249.000	S141 RE1	5.358	S141.4	5.236	Circ	0.1mØ	9.786	80.0	0.600	0.500	0.537
249.001	S141.4	5.236	S141.3	5.039	Circ	0.1mØ	15.740	80.0	0.600	0.537	0.854
249.002	S141.3	4.989	S141.2	4.794	Circ	0.15mØ	15.594	80.0	0.600	0.854	0.953
249.003	S141.2	4.794	S141.1	4.682	Circ	0.15mØ	11.160	100.0	0.600	0.953	1.178
249.004	S141.1	4.682	S141	4.260	Circ	0.15mØ	9.774	23.2	0.600	1.178	1.266
250.000	S141 RE2	4.939	S141.6	4.753	Circ	0.1mØ	14.882	80.0	0.600	0.500	0.823
250.001	S141.6	4.753	S141.5	4.605	Circ	0.1mØ	11.836	80.0	0.600	0.823	0.875
251.000	S141 RE3	4.930	S141.7	4.758	Circ	0.15mØ	13.757	80.0	0.600	0.550	0.746
251.001	S141.7	4.758	S141.5	4.555	Circ	0.15mØ	3.961	19.6	0.600	0.746	0.875
250.002	S141.5	4.555	S141	4.260	Circ	0.15mØ	7.038	23.8	0.600	0.875	1.266
249.005	S141	4.060	S142	3.878	Circ	0.3mØ	44.982	246.9	0.600	1.316	1.583
252.000	S142 RE4	5.361	S142.5	5.163	Circ	0.1mØ	7.897	39.9	0.600	0.500	0.709
253.000	S142 RE3	5.243	S142.5	5.163	Circ	0.1mØ	6.403	80.0	0.600	0.500	0.709
252.001	S142.5	5.163	S142.4	5.131	Circ	0.1mØ	2.555	79.4	0.600	0.709	0.744
252.002	S142.4	5.131	S142.3	4.981	Circ	0.1mØ	12.038	80.0	0.600	0.744	0.905
254.000	S142 RE5	5.421	S142.3	4.981	Circ	0.1mØ	8.550	19.4	0.600	0.492	0.905
252.003	S142.3	4.981	S142.1	4.741	Circ	0.15mØ	19.189	80.0	0.600	0.855	1.032
255.000	S142 RE1	5.366	S142.2	5.301	Circ	0.1mØ	5.250	80.0	0.600	0.500	0.535
255.001	S142.2	5.301	S142.1	4.894	Circ	0.1mØ	17.879	44.0	0.600	0.535	0.928
252.004	S142.1	4.741	S142	4.078	Circ	0.15mØ	6.878	10.4	0.600	1.032	1.533
256.000	S142 RE6	5.186	S142.9	5.010	Circ	0.1mØ	14.016	80.0	0.600	0.500	0.669
256.001	S142.9	5.010	S142.8	4.830	Circ	0.1mØ	14.434	80.1	0.600	0.669	0.882
256.002	S142.8	4.830	S142.6	4.173	Circ	0.1mØ	8.159	12.4	0.600	0.882	1.478
257.000	S142 RE2	5.145	S142.7	4.616	Circ	0.1mØ	6.776	12.8	0.600	0.503	1.031
257.001	S142.7	4.616	S142.6	4.173	Circ	0.1mØ	5.990	13.5	0.600	1.031	1.478
256.003	S142.6	4.123	S142	4.078	Circ	0.15mØ	3.592	80.0	0.600	1.478	1.533
249.006	S142	3.878	S143	3.817	Circ	0.3mØ	13.862	225.1	0.600	1.583	1.434
258.000	S143 RE1	5.214	S143.1	4.533	Circ	0.1mØ	16.189	23.8	0.600	0.506	1.089
259.000	S143 RE2	5.254	S143.1	4.533	Circ	0.1mØ	14.850	20.6	0.600	0.502	1.089
258.001	S143.1	4.533	S143	4.017	Circ	0.1mØ	14.575	28.2	0.600	1.089	1.434
249.007	S143	3.817	S144	3.707	Circ	0.3mØ	26.408	240.0	0.600	1.434	1.096
249.008	S144	3.631	S145	3.546	Circ	0.375mØ	22.192	258.2	0.600	1.096	0.956
260.000	S147 RE3	4.870	S147.8	4.721	Circ	0.1mØ	11.913	80.0	0.600	0.500	0.635
260.001	S147.8	4.721	S147.6	4.553	Circ	0.1mØ	13.139	78.6	0.600	0.635	0.680
261.000	S147 RE2	4.813	S147.7	4.723	Circ	0.1mØ	7.153	80.0	0.600	0.500	0.617
261.001	S147.7	4.723	S147.6	4.553	Circ	0.1mØ	13.585	80.0	0.600	0.617	0.680
260.002	S147.6	4.553	S147.4	4.491	Circ	0.1mØ	4.768	76.3	0.600	0.680	0.766
262.000	S147 RE1	4.727	S147.5	4.679	Circ	0.1mØ	3.876	80.1	0.600	0.500	0.523
262.001	S147.5	4.679	S147.4	4.491	Circ	0.1mØ	13.510	71.9	0.600	0.523	0.766
260.003	S147.4	4.441	S147.3	4.355	Circ	0.15mØ	4.437	51.6	0.600	0.766	0.870
260.004	S147.3	4.355	S147.2	4.272	Circ	0.15mØ	10.378	125.0	0.600	0.870	1.034
260.005	S147.2	4.272	S147.1	4.184	Circ	0.15mØ	10.966	124.6	0.600	1.034	1.232
260.006	S147.1	4.184	S147	4.124	Circ	0.15mØ	7.469	124.7	0.600	1.232	1.115
260.007	S147	3.924	S148	3.703	Circ	0.3mØ	49.845	225.0	0.600	1.165	1.069
263.000	S148 RE5	4.827	S148.8	4.469	Circ	0.1mØ	11.357	31.7	0.600	0.500	1.000
263.001	S148.8	4.469	S148.6	4.294	Circ	0.1mØ	13.986	80.0	0.600	1.000	1.060

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)
264.000	S148 RE4	4.919	S148.7	4.580	Circ	0.1mØ	7.865	23.2	0.600	0.500	0.600
264.001	S148.7	4.580	S148.6	4.294	Circ	0.1mØ	14.098	49.2	0.600	0.600	1.060
263.002	S148.6	4.244	S148.4	4.100	Circ	0.15mØ	14.401	100.0	0.600	1.060	1.064
265.000	S148 RE3	4.790	S148.5	4.587	Circ	0.1mØ	6.327	31.3	0.600	0.500	0.500
265.001	S148.5	4.587	S148.4	4.231	Circ	0.1mØ	15.205	42.7	0.600	0.500	0.983
263.003	S148.4	4.100	S148.2	4.065	Circ	0.15mØ	3.528	100.0	0.600	1.064	1.060
266.000	S148 RE2	4.514	S148.3	4.374	Circ	0.1mØ	11.210	80.1	0.600	0.458	0.752
266.001	S148.3	4.374	S148.2	4.183	Circ	0.1mØ	15.308	80.1	0.600	0.752	0.991
263.004	S148.2	4.065	S148.1	3.995	Circ	0.15mØ	6.975	100.0	0.600	1.060	1.125
267.000	S148 RE1	4.633	S148.1	4.087	Circ	0.1mØ	2.322	4.2	0.600	0.557	1.083
263.005	S148.1	3.995	S148	3.903	Circ	0.15mØ	6.052	65.5	0.600	1.125	1.019
260.008	S148	3.703	S149	3.662	Circ	0.3mØ	9.993	245.0	0.600	1.069	1.017
260.009	S149	3.662	S145	3.585	Circ	0.3mØ	22.275	292.1	0.600	1.017	0.991
268.000	S145 RE4	4.649	S145.5	4.422	Circ	0.1mØ	10.209	45.0	0.600	0.562	0.700
268.001	S145.5	4.422	S145.4	4.251	Circ	0.1mØ	11.291	66.0	0.600	0.700	0.687
269.000	S145 RE3	4.461	S145.4	4.251	Circ	0.1mØ	16.163	77.0	0.600	0.488	0.687
268.002	S145.4	4.202	S145.3	4.129	Circ	0.1mØ	5.841	80.0	0.600	0.736	0.800
270.000	S145 RE2	4.425	S145.3	4.129	Circ	0.1mØ	11.023	37.2	0.600	0.500	0.800
268.003	S145.3	4.079	S145.1	4.034	Circ	0.15mØ	3.564	80.0	0.600	0.800	0.831
271.000	S145 RE1	4.371	S145.2	4.232	Circ	0.1mØ	11.115	80.0	0.600	0.500	0.693
271.001	S145.2	4.232	S145.1	4.151	Circ	0.1mØ	6.523	80.0	0.600	0.693	0.764
268.004	S145.1	4.035	S145	3.821	Circ	0.15mØ	5.166	24.1	0.600	0.831	0.906
249.009	S145	3.546	S146	3.510	Circ	0.375mØ	13.017	366.4	0.600	0.956	0.950
249.010	S146	3.510	S138	3.425	Circ	0.375mØ	13.374	157.3	0.600	0.950	1.035
226.013	S138	3.350	S163	3.315	Circ	0.45mØ	10.005	287.4	0.600	1.035	1.224
226.014	S163	3.315	S139	3.065	Circ	0.45mØ	31.172	124.6	0.600	1.224	0.910
226.015	S139	2.990	S140	2.792	Circ	0.525mØ	24.828	125.4	0.600	0.910	1.386
226.016	S140	2.792	S24	2.750	Circ	0.525mØ	42.740	1017.6	0.600	1.386	1.723
226.017	S24	2.750	S25	2.165	Circ	0.525mØ	7.483	12.8	0.600	1.723	2.216
1.028	S25	2.090	S26	1.740	Circ	0.6mØ	26.608	76.0	0.600	2.216	1.575

Outfall Details

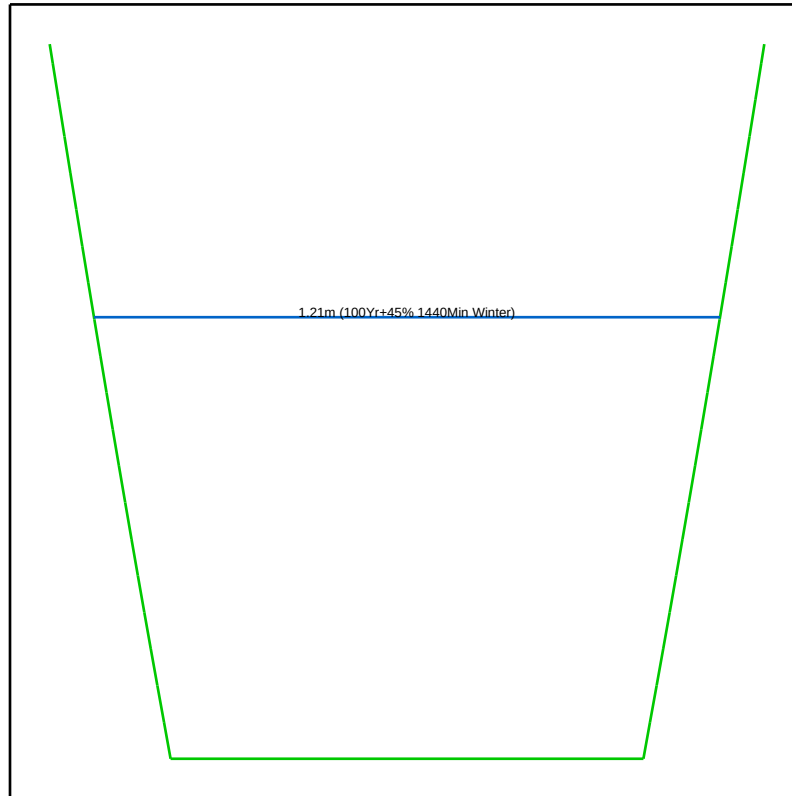
Outfall Manhole S26 : Free Discharge

Flow Control Details

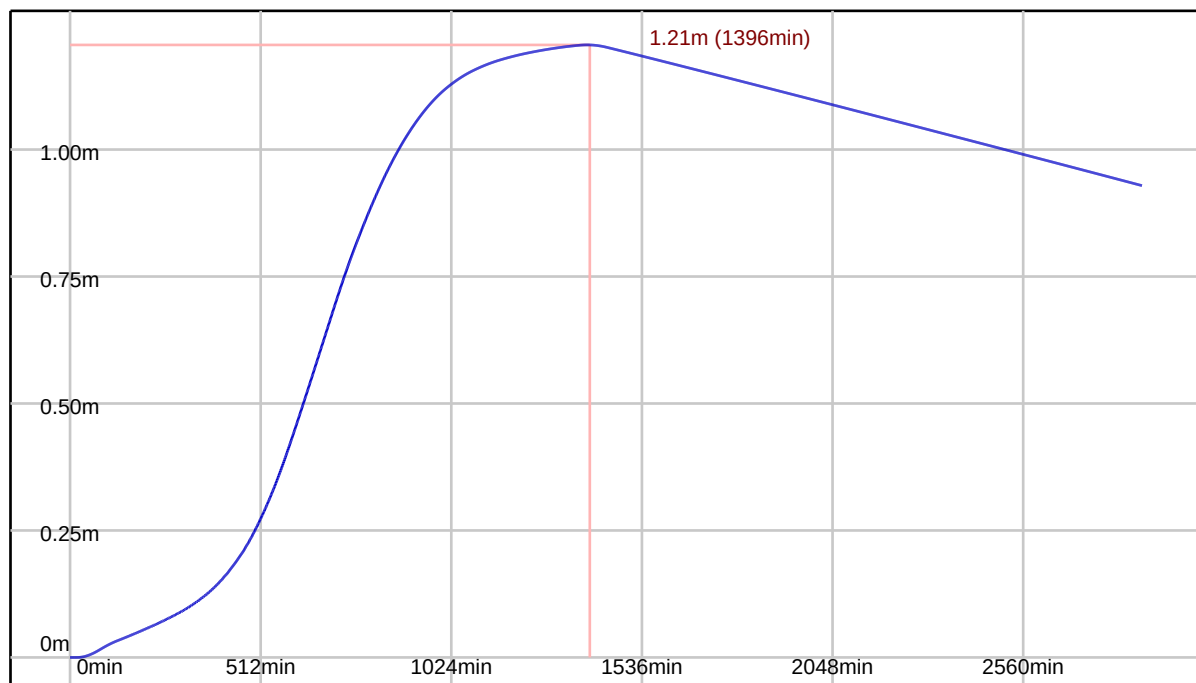
Pond Structure at Manhole S12

Pond Invert (m)	Max Depth (m)	Volume To Water Level (m3)	Water Level (m)	Freeboard (m)	Infil Base (m/hr)	Infil Side (m/hr)	Safety Factor
4.000	1.952	2505.009	5.652	0.300	0.00000000	0.00000000	2.00

Pond Depth/Area Diagram at S12



Pond at S12 (100Yr+45% 1440Min Winter)

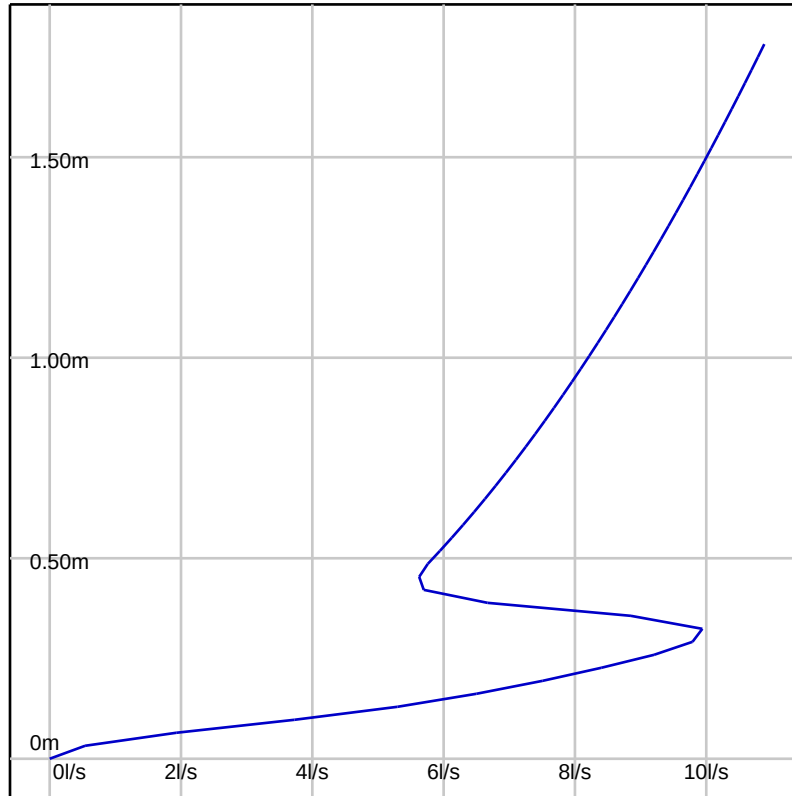


Controls within Manhole S158

Hydro-Brake® Optimum Control at Manhole S158

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)
SCU-0090-1000-1500-1000	1.500	10.000	0.000	0.115	0.003	0.134	0.003

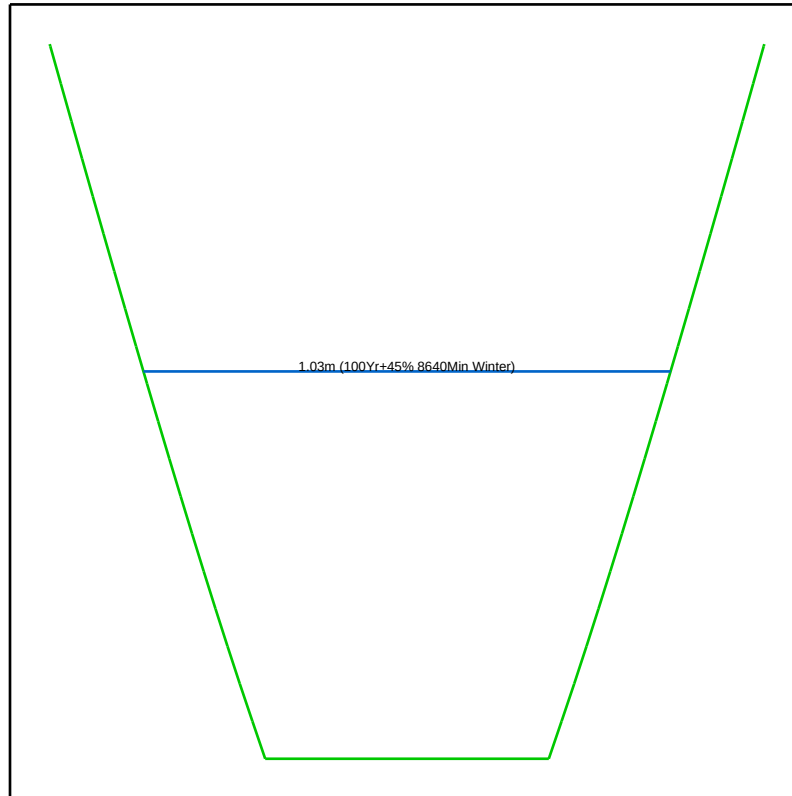
Hydro-Brake® Optimum Control at S158



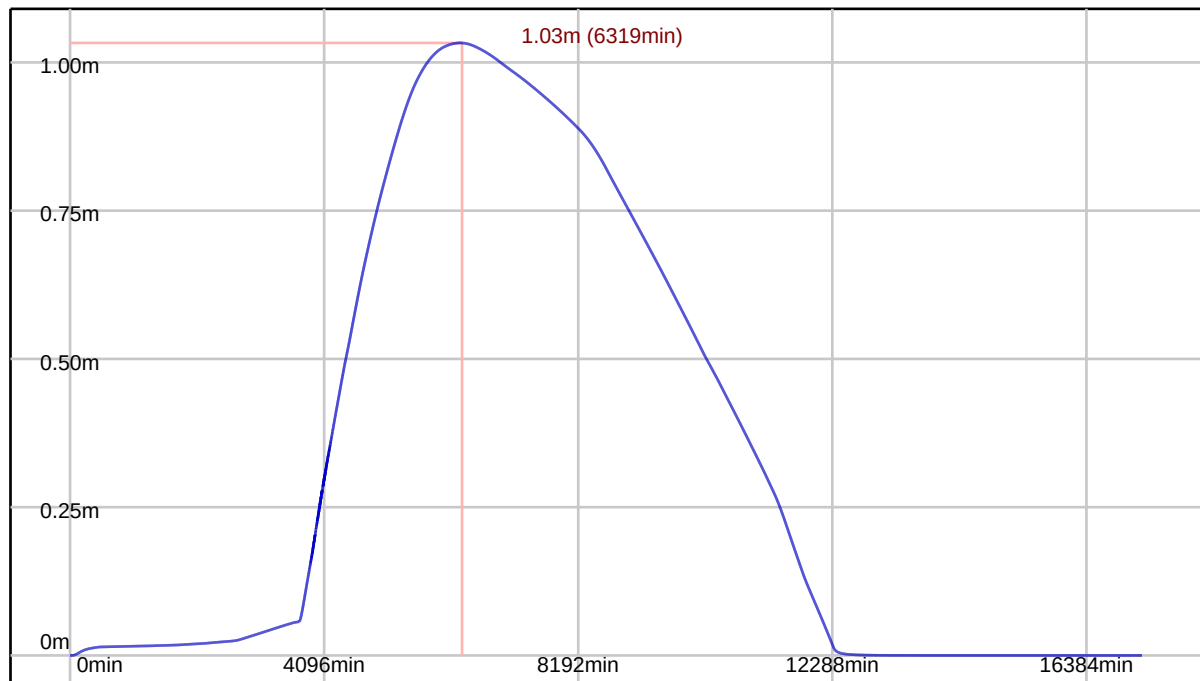
Pond Structure at Manhole S69

Pond Invert (m)	Max Depth (m)	Volume To Water Level (m3)	Water Level (m)	Freeboard (m)	Infil Base (m/hr)	Infil Side (m/hr)	Safety Factor
3.675	1.906	270.065	5.281	0.300	0.00000000	0.00000000	2.00

Pond Depth/Area Diagram at S69



Pond at S69 (100Yr+45% 8640Min Winter)

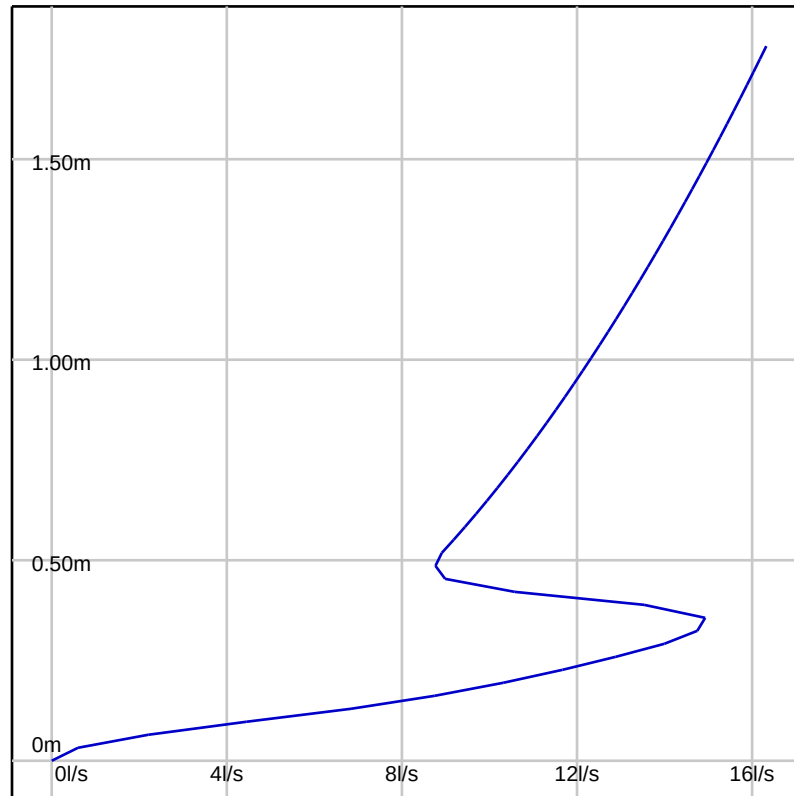


Controls within Manhole S70

Hydro-Brake® Optimum Control at Manhole S70

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)
SCU-0110-1500-1500-1500	1.500	15.000	0.000	0.136	0.005	0.166	0.005

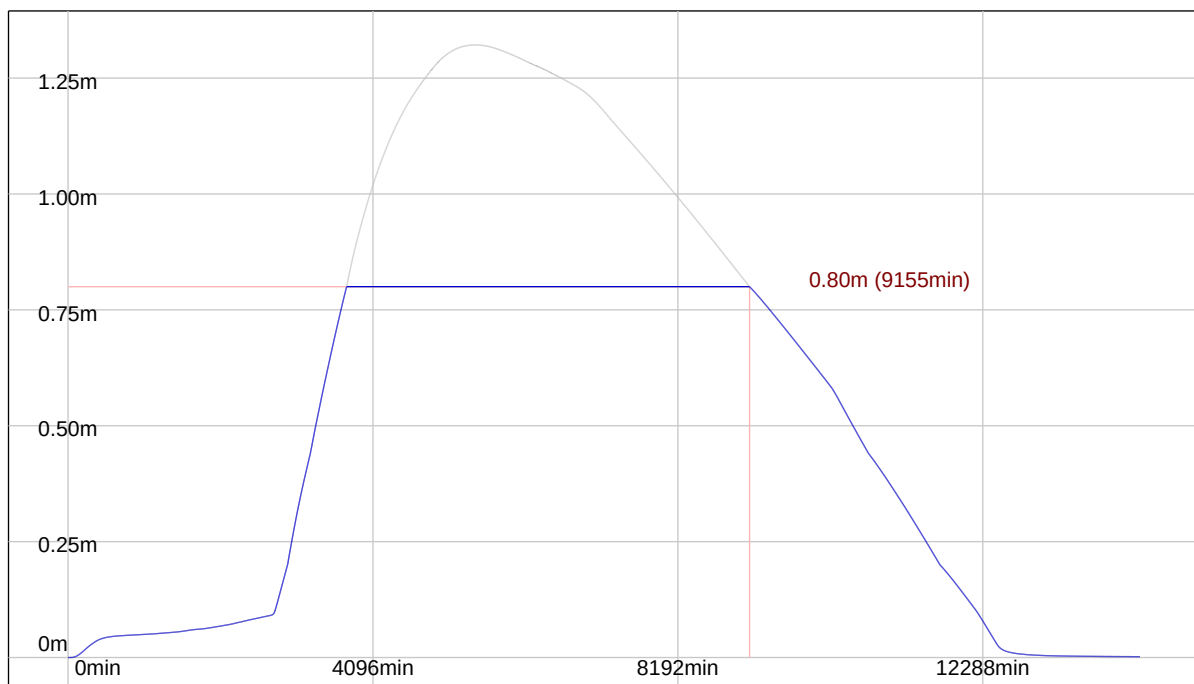
Hydro-Brake® Optimum Control at S70



Tank Structure at Manhole S55

Tank Invert (m)	Tank Height (m)	Porosity Ratio (%)	Area (m2)	Effective Area (m2) Area x Porosity Ratio	Max Storage (m3) Effective Area x Height	Infil Base (m/hr)	Infil Side (m/hr)	Safety Factor
3.333	0.800	95.00	402.500	382.375	305.900	0.00000000	0.00000000	2.00

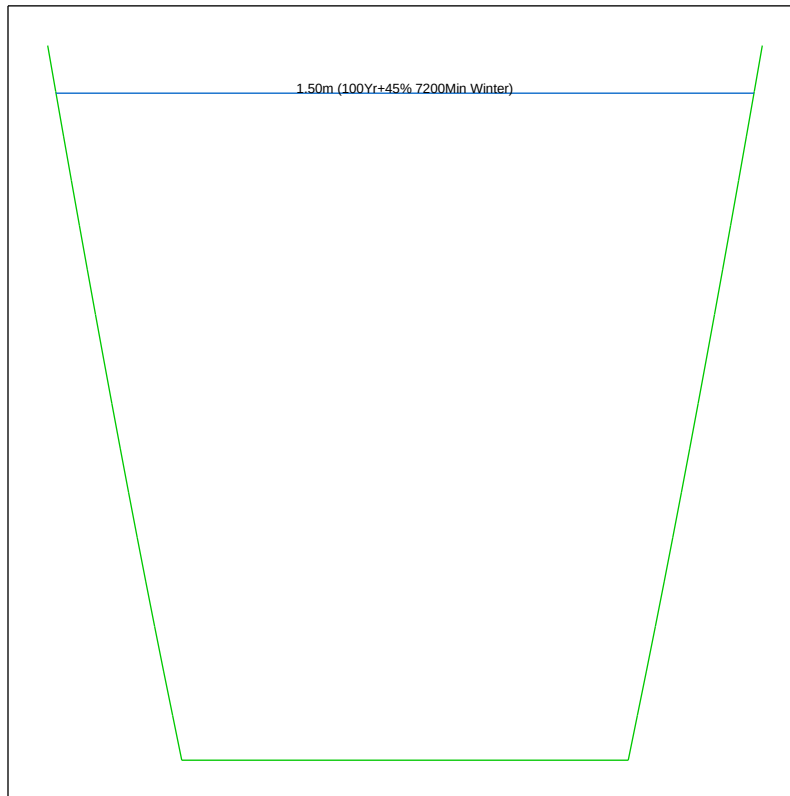
Tank at S55 (100Yr+45% 7200Min Winter)



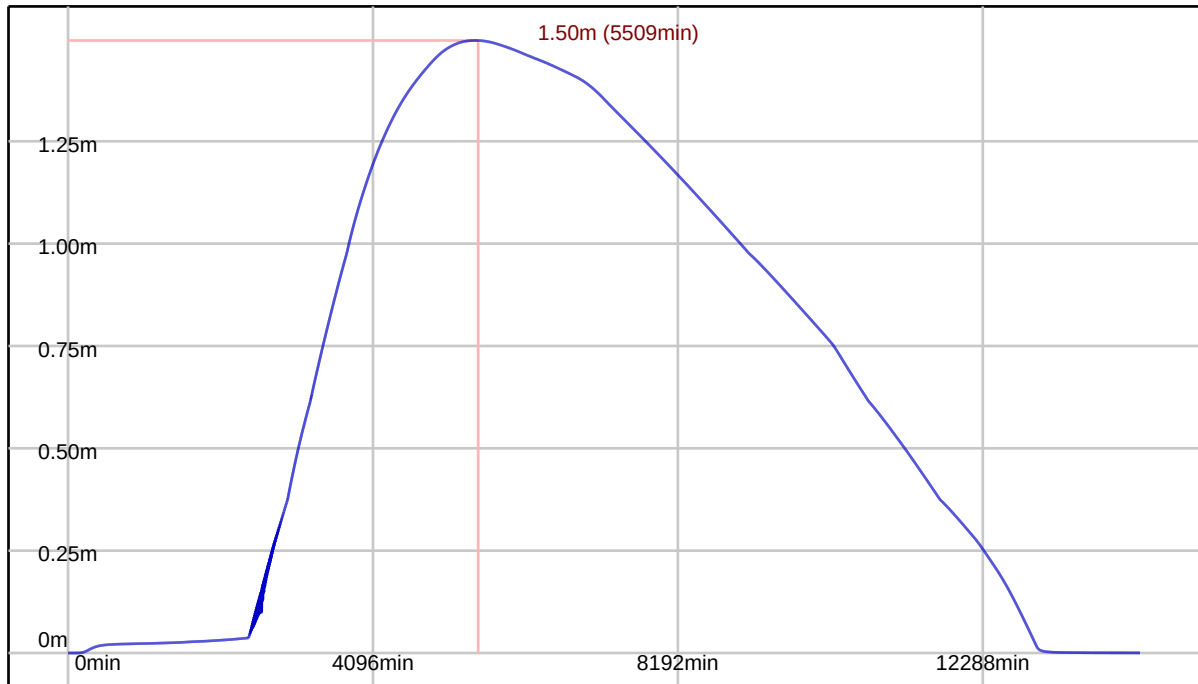
Pond Structure at Manhole S21

Pond Invert (m)	Max Depth (m)	Volume To Water Level (m3)	Water Level (m)	Freeboard (m)	Infil Base (m/hr)	Infil Side (m/hr)	Safety Factor
3.175	1.603	693.508	4.478	0.300	0.00000000	0.00000000	2.00

Pond Depth/Area Diagram at S21



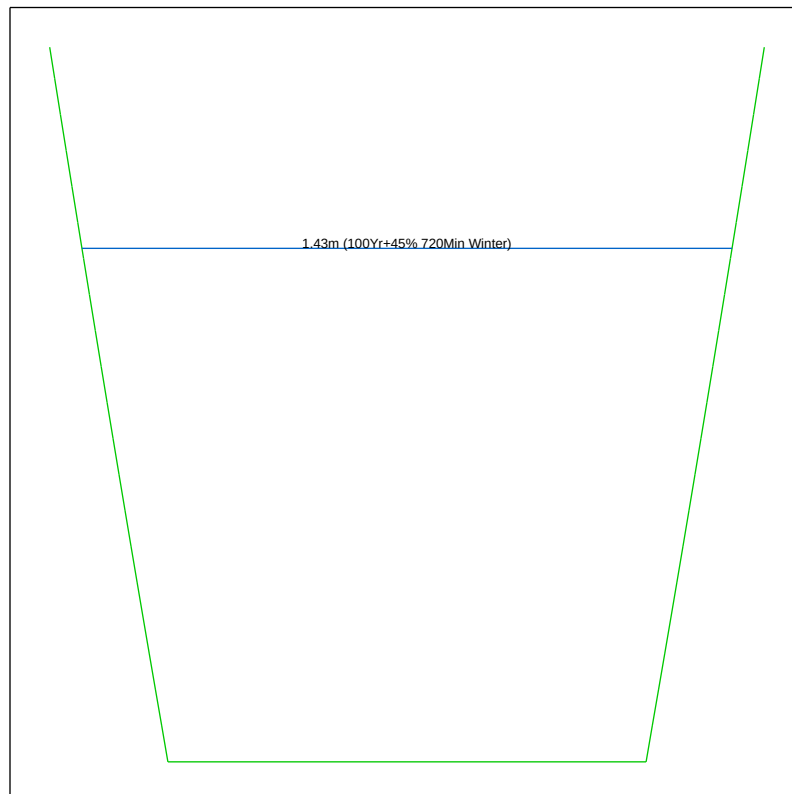
Pond at S21 (100Yr+45% 7200Min Winter)



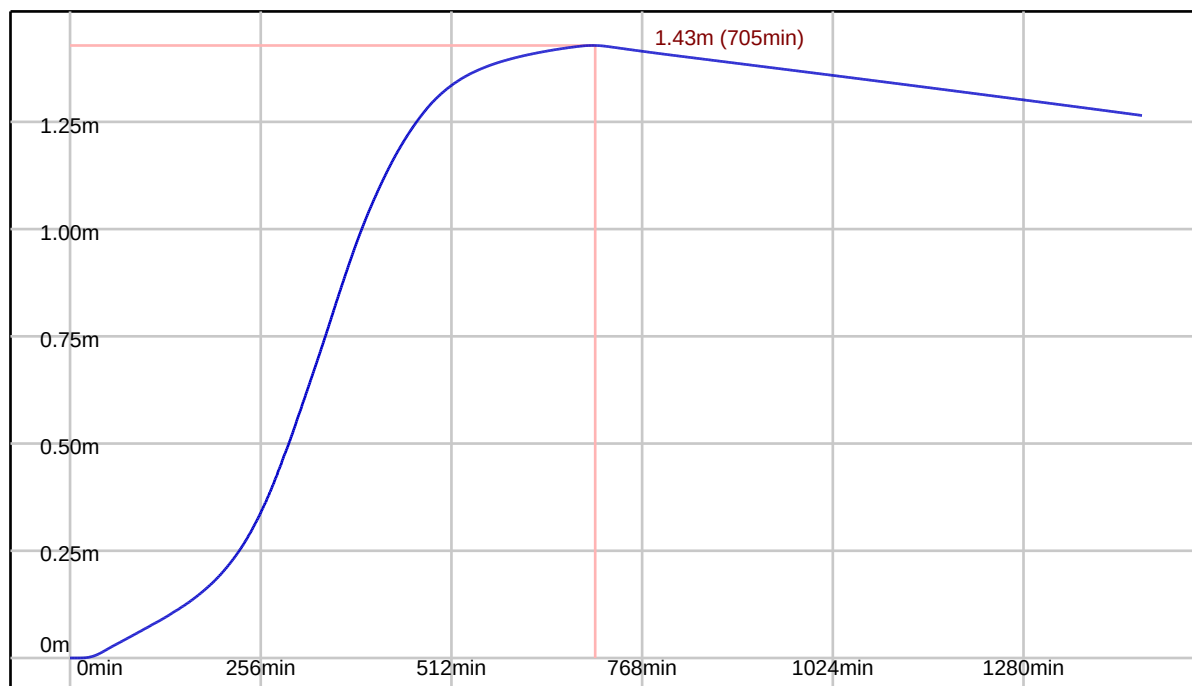
Pond Structure at Manhole S87

Pond Invert (m)	Max Depth (m)	Volume To Water Level (m3)	Water Level (m)	Freeboard (m)	Infil Base (m/hr)	Infil Side (m/hr)	Safety Factor
3.500	1.988	1669.810	5.188	0.300	0.00000000	0.00000000	2.00

Pond Depth/Area Diagram at S87



Pond at S87 (100Yr+45% 720Min Winter)

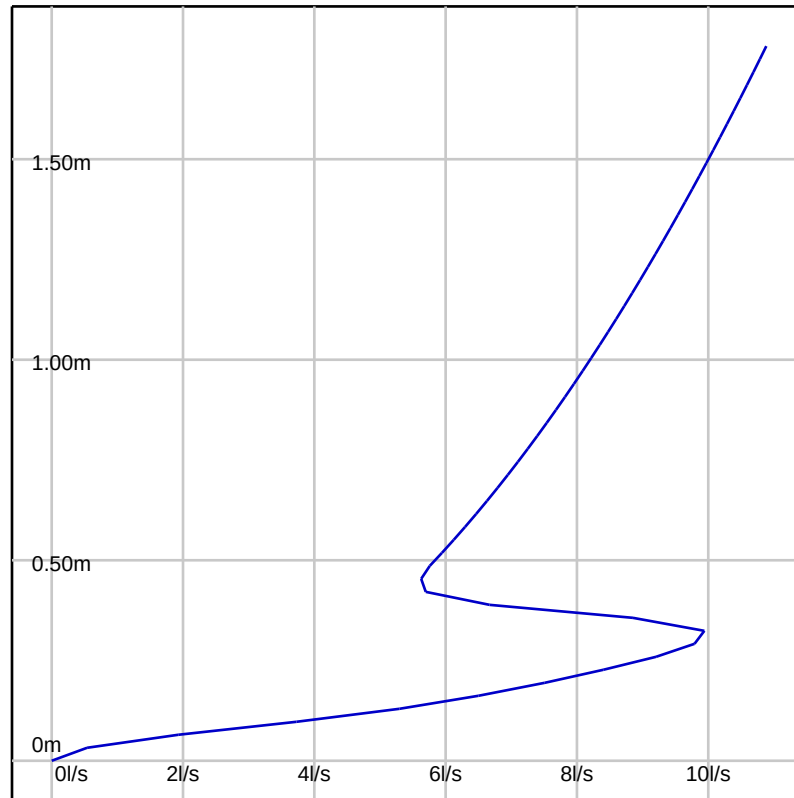


Controls within Manhole S159

Hydro-Brake® Optimum Control at Manhole S159

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)
SCU-0090-1000-1500-1000	1.500	10.000	0.000	0.115	0.003	0.134	0.003

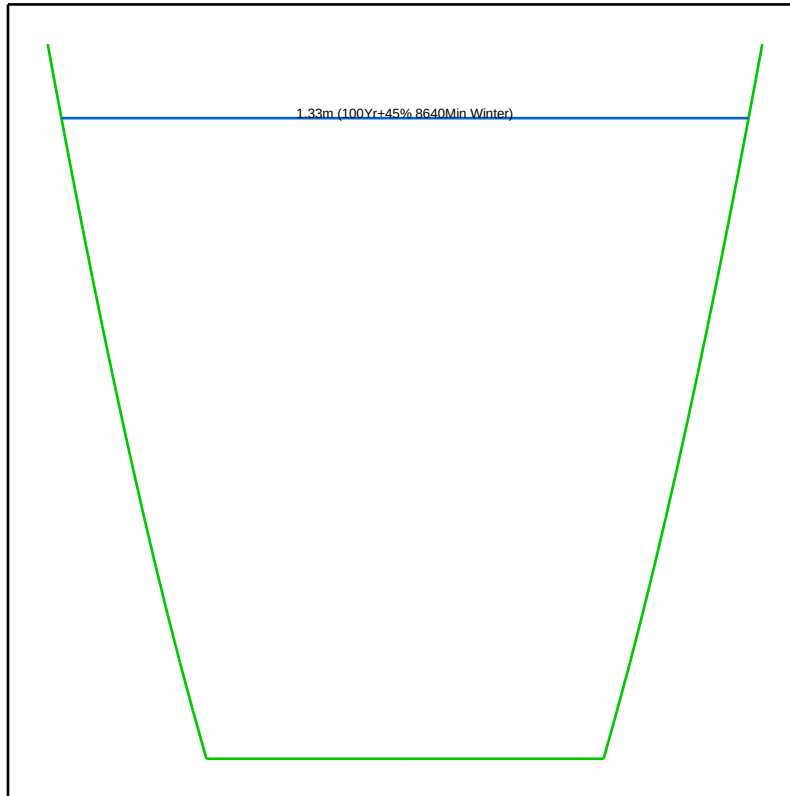
Hydro-Brake® Optimum Control at S159



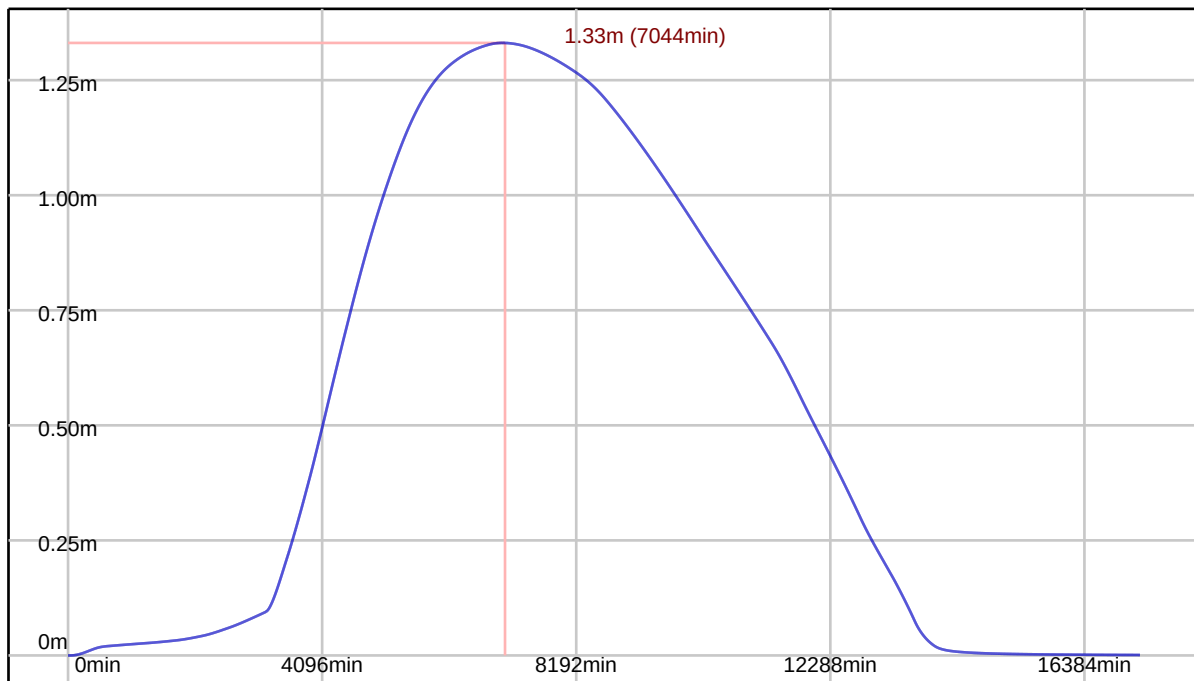
Pond Structure at Manhole S138

Pond Invert (m)	Max Depth (m)	Volume To Water Level (m3)	Water Level (m)	Freeboard (m)	Infil Base (m/hr)	Infil Side (m/hr)	Safety Factor
3.350	1.485	1075.618	4.535	0.300	0.00000000	0.00000000	2.00

Pond Depth/Area Diagram at S138



Pond at S138 (100Yr+45% 8640Min Winter)

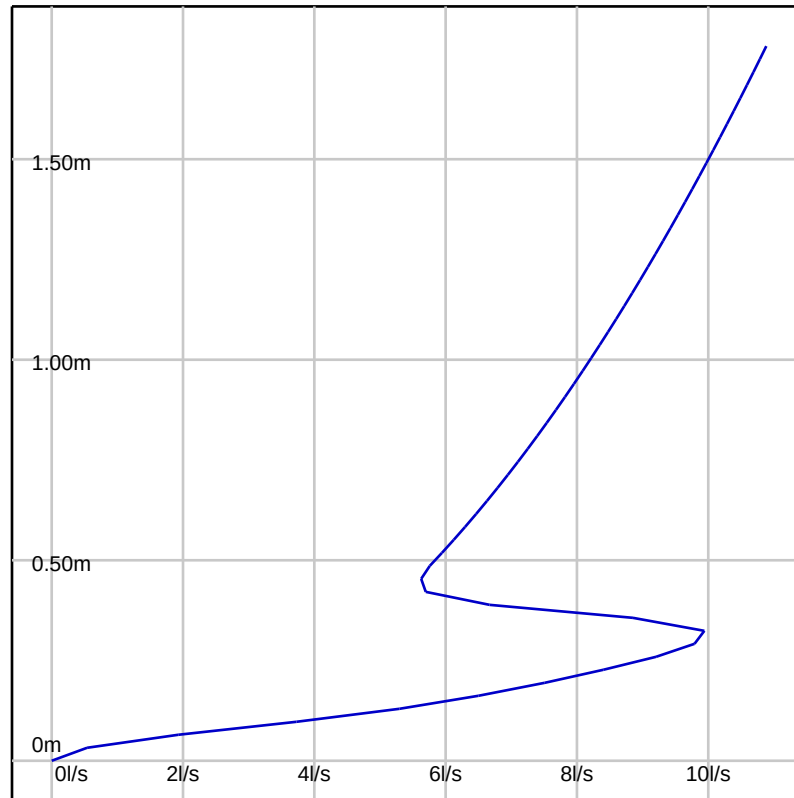


Controls within Manhole S163

Hydro-Brake® Optimum Control at Manhole S163

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)
SCU-0090-1000-1500-1000	1.500	10.000	0.000	0.115	0.003	0.134	0.003

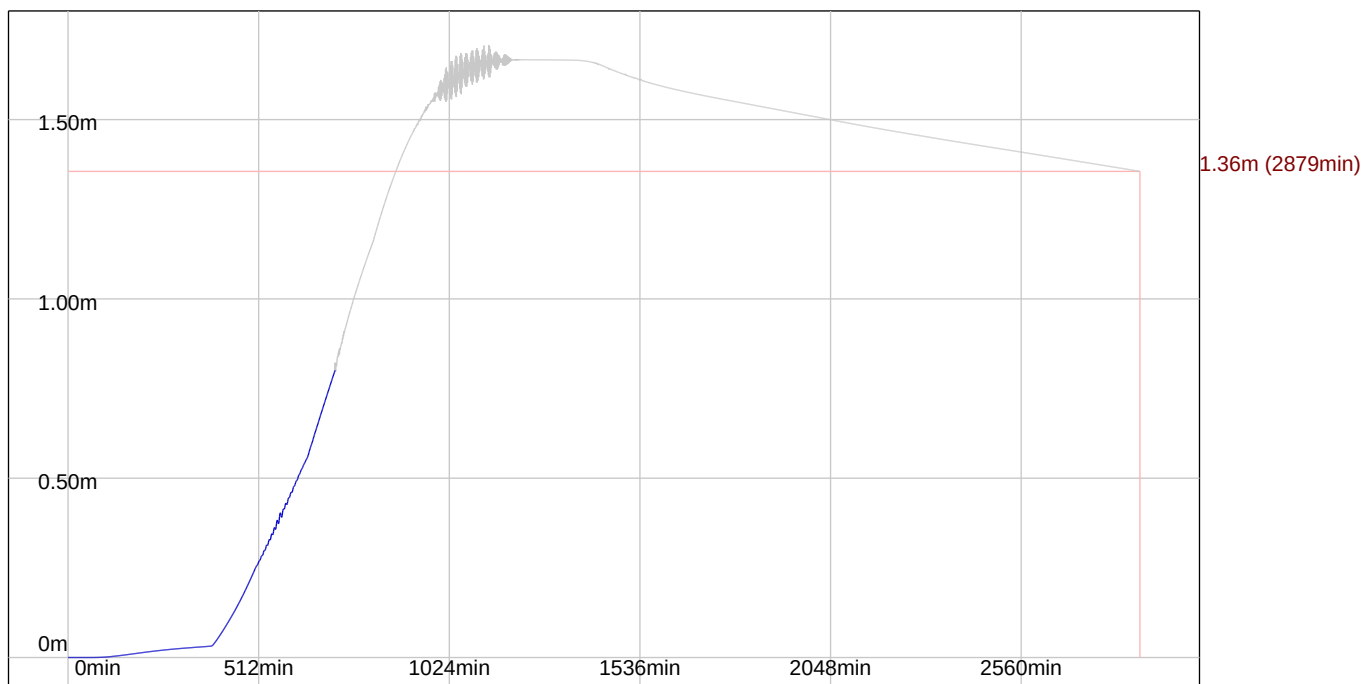
Hydro-Brake® Optimum Control at S163



Tank Structure at Manhole S139

Tank Invert (m)	Tank Height (m)	Porosity Ratio (%)	Area (m2)	Effective Area (m2) Area x Porosity Ratio	Max Storage (m3) Effective Area x Height	Infil Base (m/hr)	Infil Side (m/hr)	Safety Factor
2.990	0.800	95.00	504.000	478.800	383.040	0.00000000	0.00000000	2.00

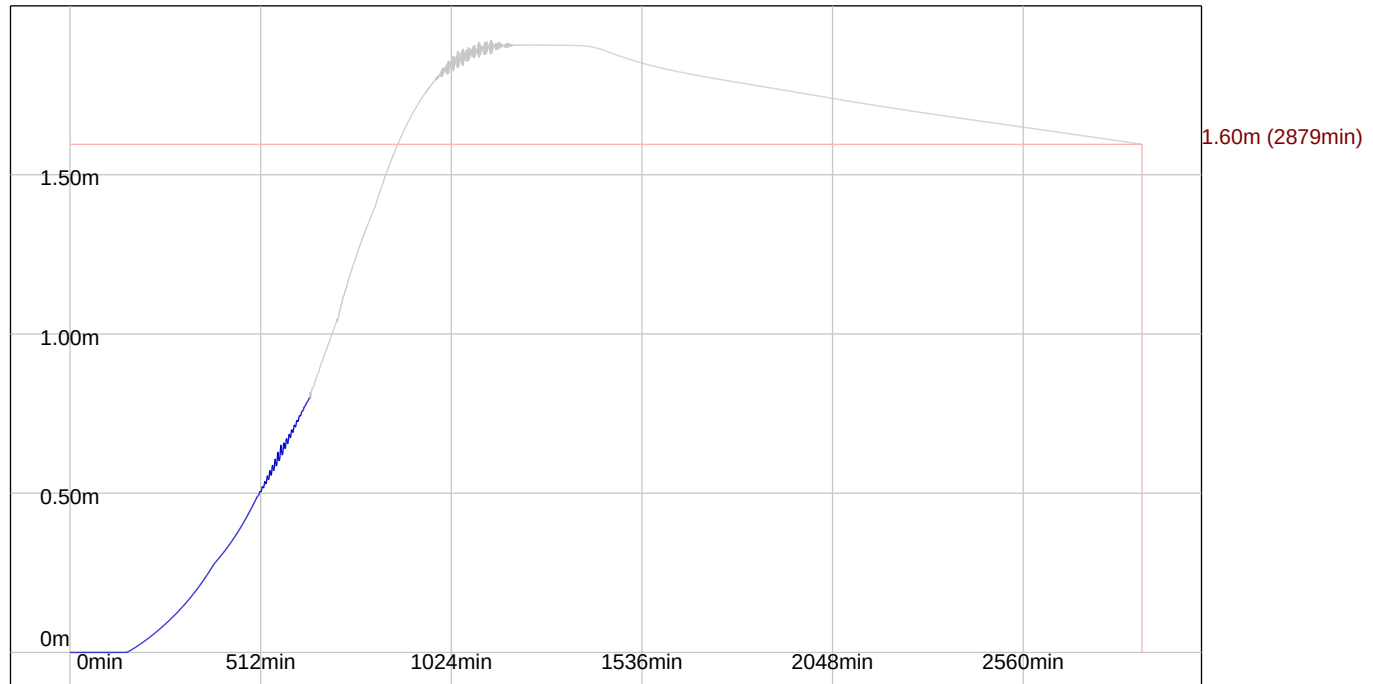
Tank at S139 (100Yr+45% 1440Min Winter)



Tank Structure at Manhole S24

Tank Invert (m)	Tank Height (m)	Porosity Ratio (%)	Area (m2)	Effective Area (m2) Area x Porosity Ratio	Max Storage (m3) Effective Area x Height	Infil Base (m/hr)	Infil Side (m/hr)	Safety Factor
2.750	0.800	95.00	960.509	912.483	729.987	0.00000000	0.00000000	2.00

Tank at S24 (100Yr+45% 1440Min Winter)

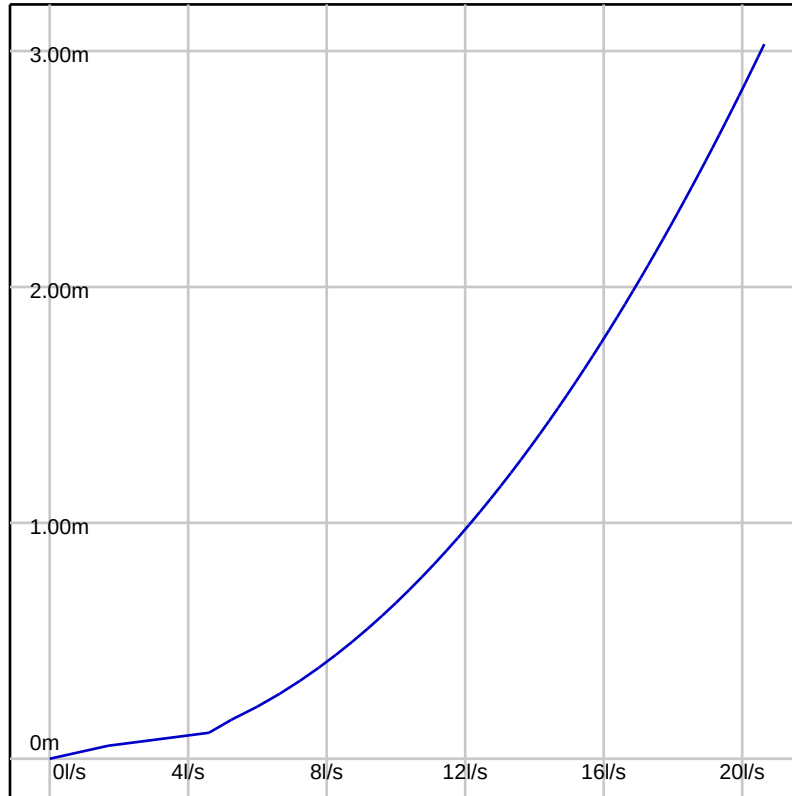


Controls within Manhole S25

Hydro-Brake® Optimum Control at Manhole S25

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)
SCU-0109-1900-2550-1900	2.550	19.000	0.000	0.137	5.321	0.165	5.244

Hydro-Brake® Optimum Control at S25



Simulation Settings

FEH2022 (point): Filename=FEH_Point_Descriptors_500029_102020_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: (100, +45%)

Simulated Rainfall Events

Storm	Average Intensity (mm/hr)	Runoff Continuity %	Flow Continuity %	Storm	Average Intensity (mm/hr)	Runoff Continuity %	Flow Continuity %
100Yr+45% 15Min Winter	150.852	0.00	0.34	100Yr+45% 720Min Winter	9.330	0.00	1.92
100Yr+45% 15Min Summer	150.852	0.00	0.40	100Yr+45% 960Min Summer	7.342	0.00	1.99
100Yr+45% 30Min Winter	100.946	0.00	0.69	100Yr+45% 960Min Winter	7.342	0.00	1.99
100Yr+45% 30Min Summer	100.946	0.00	0.69	100Yr+45% 1440Min Summer	5.245	0.00	1.58
100Yr+45% 60Min Summer	64.538	0.00	1.08	100Yr+45% 1440Min Winter	5.245	0.00	1.57
100Yr+45% 60Min Winter	64.538	0.00	1.15	100Yr+45% 2160Min Summer	3.764	0.00	1.09
100Yr+45% 120Min Winter	38.504	0.00	1.29	100Yr+45% 2160Min Winter	3.764	0.00	1.04
100Yr+45% 120Min Summer	38.504	0.00	1.32	100Yr+45% 2880Min Summer	2.982	0.00	0.59
100Yr+45% 180Min Summer	28.175	0.00	1.53	100Yr+45% 2880Min Winter	2.982	0.00	0.78
100Yr+45% 180Min Winter	28.175	0.00	1.53	100Yr+45% 4320Min Summer	2.176	0.00	0.32
100Yr+45% 240Min Summer	22.622	0.00	2.08	100Yr+45% 4320Min Winter	2.176	0.00	0.29
100Yr+45% 240Min Winter	22.622	0.00	1.72	100Yr+45% 5760Min Summer	1.761	0.00	0.11
100Yr+45% 360Min Winter	16.412	0.00	1.91	100Yr+45% 5760Min Winter	1.761	0.00	0.07
100Yr+45% 360Min Summer	16.412	0.00	2.28	100Yr+45% 7200Min Summer	1.508	0.00	0.13
100Yr+45% 480Min Summer	13.013	0.00	2.00	100Yr+45% 7200Min Winter	1.508	0.00	0.01
100Yr+45% 480Min Winter	13.013	0.00	2.57	100Yr+45% 8640Min Summer	1.336	0.00	0.03
100Yr+45% 600Min Summer	10.847	0.00	1.98	100Yr+45% 8640Min Winter	1.336	0.00	-0.01
100Yr+45% 600Min Winter	10.847	0.00	1.96	100Yr+45% 10080Min Winter	1.211	0.00	0.02
100Yr+45% 720Min Summer	9.330	0.00	1.95	100Yr+45% 10080Min Summer	1.211	0.00	-0.01

Simulation Results

Return Period Yrs: 100.0

Climate Change %: 45

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S1 RE1	-	0	6.752	0.000	0.000		OK
S1.2	-	0	6.631	0.000	0.000		OK
S1 RE2	-	0	6.740	0.000	0.000		OK
S1.3	-	0	6.590	0.000	0.000		OK
S1.1	-	0	6.527	0.000	0.000		OK
S1	15 min Summer	8	6.048	0.224	75.105		OK
S2 RE1	-	0	6.665	0.000	0.000		OK
S2 RE5	-	0	6.313	0.000	0.000		OK
S2.3	-	0	6.249	0.000	0.000		OK
S2.2	-	0	6.128	0.000	0.000		OK
S2	15 min Summer	10	5.973	0.284	71.542		OK
S3	15 min Summer	10	5.896	0.363	70.863		Surcharged
S38 RE2	-	0	6.434	0.000	0.000		OK
S38.2	-	0	6.093	0.000	0.000		OK
S38 RE1	-	0	6.419	0.000	0.000		OK
S38.1	15 min Summer	10	6.000	0.393	0.000		Surcharged
S38	15 min Summer	10	5.998	0.688	69.840		Surcharged
S4	15 min Summer	10	5.829	0.956	288.444		Surcharged
S39 RE2	-	0	6.198	0.000	0.000		OK
S39.2	15 min Summer	10	5.746	0.196	1.490		Surcharged
S39 RE1	-	0	6.098	0.000	0.000		OK
S39.1	15 min Summer	10	5.744	0.311	2.151		Surcharged
S39	15 min Summer	10	5.744	0.685	65.447		Surcharged
S40 RE2	-	0	6.006	0.000	0.000		OK
S40.3	-	0	5.716	0.000	0.000		OK
S40 RE1	-	0	6.177	0.000	0.000		OK
S40.2	15 min Summer	10	5.679	0.359	0.001		Surcharged
S40.1	15 min Summer	10	5.676	0.449	0.142		Surcharged
S40	15 min Summer	10	5.673	0.718	62.954		Surcharged
S5 RE7	-	0	5.894	0.000	0.000		OK
S5.10	15 min Summer	11	5.615	0.039	0.632		OK
S5.9	15 min Summer	11	5.607	0.240	0.152		Surcharged
S5.8	15 min Summer	10	5.594	0.413	3.223		Surcharged
S5	15 min Summer	10	5.613	0.976	499.934		Surcharged
S27 RE4	-	0	6.272	0.000	0.000		OK
S27.7	-	0	6.195	0.000	0.000		OK
S27 RE5	-	0	6.385	0.000	0.000		OK
S27.6	-	0	6.001	0.000	0.000		OK
S27 RE3	-	0	6.493	0.000	0.000		OK
S27.5	-	0	6.434	0.000	0.000		OK
S27.4	-	0	5.819	0.000	0.000		OK
S27 RE2	-	0	6.588	0.000	0.000		OK
S27 RE1	-	0	6.651	0.000	0.000		OK
S27.3	-	0	6.461	0.000	0.000		OK
S27.2	-	0	6.317	0.000	0.000		OK
S27.1	-	0	5.662	0.000	0.000		OK
S27	15 min Summer	10	5.476	0.640	95.135		Surcharged
S28 RE4	-	0	6.005	0.000	0.000		OK
S28.5	-	0	5.870	0.000	0.000		OK
S28 RE3	-	0	5.979	0.000	0.000		OK
S28.4	-	0	5.893	0.000	0.000		OK
S28.3	-	0	5.711	0.000	0.000		OK
S28 RE1	-	0	5.822	0.000	0.000		OK
S28 RE2	-	0	5.631	0.000	0.000		OK
S28.2	-	0	5.529	0.000	0.000		OK
S28.1	15 min Summer	10	5.416	0.047	7.697		OK
S28	15 min Summer	10	5.456	0.766	167.799		Surcharged
S29 RE2	-	0	5.544	0.000	0.000		OK
S29.3	15 min Summer	11	5.460	0.080	0.000		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S29.2	15 min Summer	11	5.400	0.179	4.422		Surcharged
S29 RE1	-	0	5.612	0.000	0.000		OK
S29.1	15 min Summer	10	5.389	0.210	14.220		Surcharged
S29	15 min Summer	10	5.425	0.781	141.390		Surcharged
S30 RE5	-	0	5.922	0.000	0.000		OK
S30.4	-	0	5.641	0.000	0.000		OK
S30.3	-	0	5.492	0.000	0.000		OK
S30	15 min Summer	10	5.408	0.792	167.269		Surcharged
S116 RE3	-	0	5.954	0.000	0.000		OK
S116.4	-	0	5.859	0.000	0.000		OK
S116.3	-	0	5.731	0.000	0.000		OK
S116 RE2	-	0	5.693	0.000	0.000		OK
S116.2	-	0	5.638	0.000	0.000		OK
S116 RE1	-	0	5.740	0.000	0.000		OK
S116.1	15 min Summer	11	5.370	0.080	2.586		OK
S116	15 min Summer	11	5.373	0.713	42.150		Surcharged
S115 RE2	-	0	5.450	0.000	0.000		OK
S115.2	15 min Summer	11	5.365	0.100	0.982		OK
S115 RE1	15 min Summer	11	5.374	0.074	1.381		OK
S115.1	15 min Summer	11	5.369	0.205	2.650		Surcharged
S115 RE4	-	0	5.632	0.000	0.000		OK
S115.7	-	0	5.578	0.000	0.000		OK
S115 RE5	-	0	5.650	0.000	0.000		OK
S115.6	15 min Summer	11	5.373	0.057	1.235		OK
S115 RE3	-	0	5.705	0.000	0.000		OK
S115.5	-	0	5.626	0.000	0.000		OK
S115.4	-	0	5.391	0.000	0.000		OK
S115.3	15 min Summer	11	5.379	0.209	3.331		Surcharged
S115	15 min Summer	11	5.366	0.751	70.271		Surcharged
S114 RE3	-	0	5.795	0.000	0.000		OK
S114 RE4	-	0	5.588	0.000	0.000		OK
S114.4	15 min Summer	11	5.374	0.164	0.433		Surcharged
S114.3	15 min Summer	11	5.372	0.223	0.682		Surcharged
S114 RE2	-	0	5.700	0.000	0.000		OK
S114 RE1	-	0	5.814	0.000	0.000		OK
S114.2	15 min Summer	11	5.375	0.105	0.432		Surcharged
S114.1	15 min Summer	11	5.372	0.228	0.907		Surcharged
S114	15 min Summer	11	5.364	0.795	68.763		Surcharged
S7 RE2	-	0	6.261	0.000	0.000		OK
S7.2	-	0	6.009	0.000	0.000		OK
S7 RE1	-	0	6.272	0.000	0.000		OK
S7.1	-	0	5.521	0.000	0.000		OK
S7	15 min Summer	11	5.350	0.976	751.058		Surcharged
S8 RE4	-	0	6.329	0.000	0.000		OK
S8.4	-	0	6.179	0.000	0.000		OK
S8.3	-	0	6.055	0.000	0.000		OK
S8 RE1	-	0	6.319	0.000	0.000		OK
S8 RE2	-	0	6.150	0.000	0.000		OK
S8.2	-	0	5.957	0.000	0.000		OK
S8 RE3	-	0	6.313	0.000	0.000		OK
S8.1	-	0	5.860	0.000	0.000		OK
S8	15 min Summer	11	5.240	0.922	801.651		Surcharged
S9 RE1	-	0	6.536	0.000	0.000		OK
S9.3	-	0	6.385	0.000	0.000		OK
S9.2	-	0	6.260	0.000	0.000		OK
S9.1	-	0	5.865	0.000	0.000		OK
S9	1440 min Winter	1387	5.206	0.911	4.545		Surcharged
S155 RE2	-	0	5.735	0.000	0.000		OK
S155.4	-	0	5.633	0.000	0.000		OK
S155.3	-	0	5.430	0.000	0.000		OK
S155.2	-	0	5.220	0.000	0.000		OK
S155 RE1	-	0	5.690	0.000	0.000		OK
S155.1	1440 min Winter	1388	5.206	0.084	0.000		OK
S153 RE2	-	0	5.507	0.000	0.000		OK
S153.2	-	0	5.446	0.000	0.000		OK
S153 RE1	-	0	5.540	0.000	0.000		OK
S153.1	1440 min Winter	1386	5.206	0.113	0.005		Surcharged
S153	1440 min Winter	1386	5.206	0.469	0.212		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S153 RE4	-	0	5.684	0.000	0.000		OK
S154 RE4	-	0	5.678	0.000	0.000		OK
S154.2	-	0	5.549	0.000	0.000		OK
S154.1	-	0	5.392	0.000	0.000		OK
S154	1440 min Winter	1386	5.206	0.520	0.313		Surcharged
S155	1440 min Winter	1388	5.206	0.585	0.485		Surcharged
S72 RE3	-	0	5.783	0.000	0.000		OK
S72.4	-	0	5.723	0.000	0.000		OK
S72 RE4	-	0	5.722	0.000	0.000		OK
S72.3	-	0	5.433	0.000	0.000		OK
S72 RE1	-	0	5.458	0.000	0.000		OK
S72 RE2	-	0	5.627	0.000	0.000		OK
S72.2	-	0	5.315	0.000	0.000		OK
S72.1	1440 min Winter	1387	5.206	0.126	0.006		OK
S72	1440 min Winter	1390	5.206	0.658	0.686		Surcharged
S10 RE7	-	0	6.098	0.000	0.000		OK
S10.12	-	0	5.917	0.000	0.000		OK
S10 RE8	-	0	6.322	0.000	0.000		OK
S10.13	-	0	6.103	0.000	0.000		OK
S10.11	-	0	5.692	0.000	0.000		OK
S10 RE6	-	0	6.036	0.000	0.000		OK
S10.9	-	0	5.541	0.000	0.000		OK
S10 RE5	-	0	5.872	0.000	0.000		OK
S10.8	-	0	5.783	0.000	0.000		OK
S10.7	-	0	5.696	0.000	0.000		OK
S10.6	-	0	5.441	0.000	0.000		OK
S10 RE4	-	0	5.636	0.000	0.000		OK
S10.5	-	0	5.294	0.000	0.000		OK
S10 RE3	-	0	5.570	0.000	0.000		OK
S10.4	-	0	5.251	0.000	0.000		OK
S10 RE2	-	0	5.489	0.000	0.000		OK
S10.3	-	0	5.347	0.000	0.000		OK
S10.2	1440 min Winter	1389	5.206	0.060	0.006		OK
S10 RE1	-	0	5.492	0.000	0.000		OK
S10.1	1440 min Winter	1387	5.206	0.296	0.011		Surcharged
S10	1440 min Winter	1387	5.206	1.020	5.315		Surcharged
S11	1440 min Winter	1385	5.206	1.056	5.479		Surcharged
S41 RE1	-	0	6.057	0.000	0.000		OK
S41.2	-	0	5.998	0.000	0.000		OK
S41 RE2	-	0	6.019	0.000	0.000		OK
S41.1	-	0	5.716	0.000	0.000		OK
S41	15 min Summer	9	5.558	0.288	72.359		OK
S42 RE1	-	0	5.843	0.000	0.000		OK
S42.3	-	0	5.705	0.000	0.000		OK
S42.2	-	0	5.514	0.000	0.000		OK
S42 RE2	-	0	5.725	0.000	0.000		OK
S42 RE3	-	0	5.776	0.000	0.000		OK
S42.4	-	0	5.550	0.000	0.000		OK
S42.1	15 min Summer	9	5.483	0.110	0.764		OK
S42	15 min Summer	9	5.479	0.576	144.857		Surcharged
S117 RE2	-	0	5.908	0.000	0.000		OK
S117.3	-	0	5.776	0.000	0.000		OK
S117 RE1	-	0	5.857	0.000	0.000		OK
S117.2	-	0	5.788	0.000	0.000		OK
S117.1	-	0	5.384	0.000	0.000		OK
S117	1440 min Winter	1385	5.206	0.359	0.184		Surcharged
S45 RE3	-	0	5.568	0.000	0.000		OK
S45.5	-	0	5.510	0.000	0.000		OK
S45.4	1440 min Winter	1385	5.206	0.006	0.002		OK
S45.3	1440 min Winter	1395	5.206	0.193	0.000		Surcharged
S45 RE2	1440 min Winter	1381	5.207	0.111	0.005		OK
S45.2	1440 min Winter	1392	5.206	0.232	0.008		Surcharged
S45 RE1	1440 min Winter	1390	5.206	0.129	0.003		OK
S45.1	1440 min Winter	1390	5.206	0.346	0.036		Surcharged
S45	1440 min Winter	1386	5.206	0.769	0.858		Surcharged
S162	1440 min Winter	1387	5.206	1.056	0.883		Surcharged
S12	1440 min Winter	1389	5.206	1.206	6.137		Surcharged
S158	1440 min Winter	1390	5.206	1.330	6.123		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S71 RE2	15 min Summer	10	5.962	0.217	0.000		Surcharged
S71.2	15 min Summer	10	5.957	0.366	1.985		Flood Risk
S71 RE1	-	0	6.026	0.000	0.000		OK
S71.1	15 min Summer	10	5.941	0.533	3.749		Surcharged
S71 RE4	-	0	6.000	0.000	0.000		OK
S71.6	15 min Summer	10	5.926	0.248	0.252		Surcharged
S71 RE3	15 min Summer	10	5.928	0.130	1.206		Surcharged
S71.5	15 min Summer	10	5.925	0.310	2.086		Surcharged
S71.4	15 min Summer	10	5.925	0.351	2.876		Surcharged
S71	15 min Summer	9	5.939	1.363	189.788		Surcharged
S171	15 min Summer	10	5.389	0.927	161.324		Surcharged
S44 RE2	-	0	5.065	0.000	0.000		OK
S44.4	-	0	4.900	0.000	0.000		OK
S44.3	-	0	4.741	0.000	0.000		OK
S44 RE1	-	0	5.060	0.000	0.000		OK
S44.2	-	0	4.791	0.000	0.000		OK
S44.1	15 min Summer	10	4.689	0.013	0.000		OK
S44	7200 min Winter	5484	4.672	0.453	0.249		Surcharged
S13	7200 min Winter	5484	4.672	0.814	9.947		Surcharged
S33 RE1	15 min Summer	11	5.521	0.017	0.000		OK
S33.2	15 min Summer	10	5.500	0.130	1.941		Surcharged
S33 RE2	-	0	5.620	0.000	0.000		OK
S33.3	-	0	5.547	0.000	0.000		OK
S33.1	15 min Summer	10	5.505	0.289	3.510		Surcharged
S33	15 min Summer	10	5.517	0.774	138.331		Surcharged
S172	15 min Summer	10	5.452	0.831	134.153		Surcharged
S161 RE3	-	0	5.897	0.000	0.000		OK
S161 RE2	-	0	5.628	0.000	0.000		OK
S161.3	-	0	5.487	0.000	0.000		OK
S161 RE1	-	0	6.104	0.000	0.000		OK
S161.2	15 min Summer	11	5.417	0.417	0.000		Surcharged
S161 RE4	-	0	5.493	0.000	0.000		OK
S161.5	15 min Summer	11	5.447	0.070	0.825		OK
S161 RE5	-	0	5.768	0.000	0.000		OK
S161.4	15 min Summer	11	5.431	0.212	0.000		Surcharged
S161.1	15 min Summer	11	5.416	0.488	2.009		Surcharged
S161	15 min Summer	10	5.414	0.873	198.653		Surcharged
S34 RE3	-	0	5.948	0.000	0.000		OK
S34 RE2	-	0	5.486	0.000	0.000		OK
S34.3	-	0	5.346	0.000	0.000		OK
S34 RE1	-	0	6.100	0.000	0.000		OK
S34.2	15 min Summer	11	5.254	0.081	1.381		OK
F34.1	15 min Summer	11	5.246	0.147	1.179		OK
S34	15 min Summer	11	5.237	0.884	174.318		Surcharged
S35	15 min Summer	11	5.188	0.878	211.007		Surcharged
S36 RE2	-	0	5.192	0.000	0.000		OK
S36.6	-	0	5.051	0.000	0.000		OK
S36.3	15 min Summer	11	5.025	0.095	0.637		OK
S36.2	15 min Summer	11	5.014	0.219	0.789		Surcharged
S36 RE3	-	0	5.513	0.000	0.000		OK
S36.5	-	0	5.454	0.000	0.000		OK
S36 RE4	-	0	5.588	0.000	0.000		OK
S36.4	-	0	5.146	0.000	0.000		OK
S36.1	15 min Summer	11	5.004	0.404	0.000		Surcharged
S36	15 min Summer	11	4.997	0.799	244.293		Surcharged
S37 RE1	-	0	5.680	0.000	0.000		OK
S37.4	-	0	5.591	0.000	0.000		OK
S37.3	-	0	5.572	0.000	0.000		OK
S37.2	-	0	5.440	0.000	0.000		OK
S37.1	-	0	5.325	0.000	0.000		OK
S37	15 min Summer	10	4.789	0.692	276.050		Surcharged
S14	7200 min Winter	5479	4.672	0.949	11.455		Surcharged
S15	7200 min Winter	5479	4.672	1.104	11.580		Surcharged
S56 RE1	-	0	5.198	0.000	0.000		OK
S56.2	15 min Summer	11	5.085	0.040	0.000		OK
S56 RE2	-	0	5.275	0.000	0.000		OK
S56.3	-	0	5.166	0.000	0.000		OK
S56.1	15 min Summer	10	5.087	0.180	1.643		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S56	15 min Summer	10	5.094	0.786	37.843		Surcharged
S57 RE2	-	0	5.206	0.000	0.000		OK
S57.3	15 min Summer	11	5.082	0.032	0.000		OK
S57 RE1	-	0	5.246	0.000	0.000		OK
S57.2	-	0	5.186	0.000	0.000		OK
S57.1	15 min Summer	10	5.065	0.170	2.352		Surcharged
S57	15 min Summer	10	5.081	0.828	79.713		Surcharged
S58 RE1	-	0	5.100	0.000	0.000		OK
S58.3	15 min Summer	11	4.937	0.024	0.026		OK
S58.2	15 min Summer	11	4.918	0.215	0.007		Surcharged
S58.1	15 min Summer	10	4.919	0.335	0.989		Surcharged
S58	15 min Summer	10	4.922	0.818	90.937		Surcharged
S59 RE4	15 min Summer	11	4.874	0.049	0.046		OK
S59.6	15 min Summer	11	4.859	0.186	0.000		Surcharged
S59 RE3	-	0	4.976	0.000	0.000		OK
S59.5	15 min Summer	11	4.848	0.328	0.868		Surcharged
S59 RE2	-	0	5.221	0.000	0.000		OK
S59.4	-	0	5.154	0.000	0.000		OK
S59.3	15 min Summer	11	4.844	0.363	1.121		Surcharged
S59 RE1	-	0	5.342	0.000	0.000		OK
S59.2	-	0	5.202	0.000	0.000		OK
S59.1	15 min Summer	11	4.834	0.425	1.712		Surcharged
S59	15 min Summer	10	4.835	0.791	136.051		Surcharged
S151 RE2	-	0	4.814	0.000	0.000		OK
S151.3	7200 min Winter	5473	4.672	0.003	0.023		OK
S151 RE1	-	0	4.812	0.000	0.000		OK
S151.2	7200 min Winter	5462	4.672	0.220	0.012		Surcharged
S151.1	7200 min Winter	5478	4.672	0.351	0.015		Surcharged
S151	7200 min Winter	5476	4.672	0.778	0.111		Surcharged
S16	7200 min Winter	5489	4.671	1.143	12.393		Surcharged
S169 RE4	-	0	4.870	0.000	0.000		OK
S169.4	-	0	4.721	0.000	0.000		OK
S169 RE3	-	0	4.999	0.000	0.000		OK
S169.3	7200 min Winter	5492	4.672	0.119	0.011		Surcharged
S169 RE2	-	0	5.122	0.000	0.000		OK
S169.2	-	0	4.947	0.000	0.000		OK
S169 RE1	-	0	5.155	0.000	0.000		OK
S169.1	-	0	4.762	0.000	0.000		OK
S169	7200 min Winter	5483	4.671	1.220	12.456		Surcharged
S168 RE2	-	0	5.064	0.000	0.000		OK
S168.3	-	0	4.783	0.000	0.000		OK
S168.2	7200 min Winter	5472	4.672	0.018	0.000		OK
S168 RE1	-	0	5.159	0.000	0.000		OK
S168.1	7200 min Winter	5469	4.672	0.263	0.030		Surcharged
S168	7200 min Winter	5483	4.671	0.495	0.033		Surcharged
S17	7200 min Winter	5483	4.671	1.273	12.485		Surcharged
S60 RE1	-	0	5.004	0.000	0.000		OK
S60.2	-	0	4.864	0.000	0.000		OK
S60 RE2	-	0	5.110	0.000	0.000		OK
S60.1	8640 min Winter	6288	4.708	0.000	0.000		OK
S60	8640 min Winter	6292	4.708	0.404	0.322		OK
S61	8640 min Winter	6289	4.708	0.495	0.279		Surcharged
S62	8640 min Winter	6290	4.708	0.528	0.342		Surcharged
S63 RE1	-	0	5.013	0.000	0.000		OK
S63.1	-	0	4.774	0.000	0.000		OK
S63 RE2	-	0	4.922	0.000	0.000		OK
S63.2	8640 min Winter	6299	4.708	0.101	0.005		OK
S63	8640 min Winter	6290	4.708	0.574	0.538		Surcharged
S64 RE3	-	0	5.212	0.000	0.000		OK
S64 RE2	-	0	5.343	0.000	0.000		OK
S64.3	-	0	5.009	0.000	0.000		OK
S64 RE1	-	0	5.612	0.000	0.000		OK
S64.2	8640 min Winter	6281	4.708	0.098	0.000		OK
S64.1	8640 min Winter	6293	4.708	0.268	0.013		Surcharged
S64	8640 min Winter	6293	4.708	0.732	0.585		Surcharged
S65	8640 min Winter	6293	4.708	0.793	0.556		Surcharged
S67 RE1	-	0	5.219	0.000	0.000		OK
S67.2	-	0	5.144	0.000	0.000		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S67.1	-	0	5.026	0.000	0.000		OK
S67	8640 min Winter	6283	4.708	0.549	0.028		Surcharged
S66 RE1	-	0	5.237	0.000	0.000		OK
S66.1	-	0	5.097	0.000	0.000		OK
S66	8640 min Winter	6293	4.708	0.808	0.826		Surcharged
S68	8640 min Winter	6288	4.708	0.933	0.813		Surcharged
S69	8640 min Winter	6292	4.708	1.033	0.874		Surcharged
S70	8640 min Winter	6292	4.708	1.078	0.868		Surcharged
S18	7200 min Winter	5483	4.671	1.315	13.229		Surcharged
S54 RE1	-	0	5.134	0.000	0.000		OK
S54.3	-	0	5.043	0.000	0.000		OK
S54.2	-	0	4.910	0.000	0.000		OK
S54.1	7200 min Winter	5493	4.672	0.004	0.000		OK
S52	15 min Summer	9	4.847	0.856	81.226		Surcharged
S53	15 min Summer	9	4.767	0.843	155.822		Surcharged
S54	7200 min Winter	5493	4.671	0.807	0.534		Surcharged
S55	7200 min Winter	5483	4.671	1.321	13.752		Surcharged
S19	7200 min Winter	5483	4.671	1.371	13.751		Surcharged
S20	7200 min Winter	5483	4.671	1.396	13.750		Flood Risk
S21	7200 min Winter	5479	4.671	1.496	13.731		Flood Risk
S22 RE2	-	0	4.688	0.000	0.000		OK
S22.4	7200 min Winter	5493	4.672	0.267	0.005		Surcharged
S22.3	7200 min Winter	5493	4.672	0.372	0.011		Surcharged
S22.2	7200 min Winter	5478	4.672	0.451	0.015		Surcharged
S22 RE1	-	0	4.774	0.000	0.000		OK
S22.1	7200 min Winter	5478	4.672	0.595	0.004		Surcharged
S22	7200 min Winter	5484	4.671	2.410	13.780		Surcharged
S73	-	0	5.567	0.000	0.000		OK
S74	-	0	5.510	0.000	0.000		OK
S76	15 min Summer	12	5.397	0.081	0.000		OK
S92 RE1	-	0	6.185	0.000	0.000		OK
S92.2	-	0	5.985	0.000	0.000		OK
S92 RE2	-	0	6.445	0.000	0.000		OK
S92.1	-	0	5.830	0.000	0.000		OK
S92	15 min Summer	9	5.679	0.214	53.940		OK
S93 RE2	-	0	6.119	0.000	0.000		OK
S93.3	-	0	6.068	0.000	0.000		OK
S93.2	-	0	5.872	0.000	0.000		OK
S93 RE1	-	0	5.910	0.000	0.000		OK
S93.1	-	0	5.792	0.000	0.000		OK
S93	15 min Summer	9	5.671	0.256	59.134		OK
S94	15 min Summer	9	5.666	0.290	58.308		OK
S95	15 min Summer	9	5.658	0.329	89.390		OK
S96 RE3	-	0	6.319	0.000	0.000		OK
S96.7	-	0	6.216	0.000	0.000		OK
S96.6	-	0	5.935	0.000	0.000		OK
S96.5	-	0	5.761	0.000	0.000		OK
S96 RE2	-	0	6.179	0.000	0.000		OK
S96.4	-	0	6.077	0.000	0.000		OK
S96.3	-	0	6.001	0.000	0.000		OK
S96 RE1	-	0	6.563	0.000	0.000		OK
S96.2	-	0	5.763	0.000	0.000		OK
S96.1	15 min Summer	9	5.638	0.025	0.214		OK
S96	15 min Summer	9	5.636	0.362	108.044		OK
S97 RE1	-	0	6.197	0.000	0.000		OK
S97.2	-	0	6.088	0.000	0.000		OK
S97.1	-	0	5.947	0.000	0.000		OK
S97	15 min Summer	9	5.591	0.382	166.549		Surcharged
S98	15 min Summer	9	5.497	0.339	165.444		OK
S100	15 min Summer	10	5.388	0.248	174.505		OK
S99 RE4	-	0	6.473	0.000	0.000		OK
S99 RE3	-	0	6.427	0.000	0.000		OK
S99.3	-	0	6.319	0.000	0.000		OK
S99 RE2	-	0	6.400	0.000	0.000		OK
S99.2	-	0	6.206	0.000	0.000		OK
S99 RE1	-	0	6.356	0.000	0.000		OK
S99.1	-	0	6.090	0.000	0.000		OK
S99	15 min Summer	9	5.401	0.256	56.882		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S101 RE2	-	0	6.483	0.000	0.000		OK
S101 RE3	-	0	6.166	0.000	0.000		OK
S101.3	-	0	6.107	0.000	0.000		OK
S101 RE4	-	0	6.382	0.000	0.000		OK
S101.2	-	0	5.898	0.000	0.000		OK
S101 RE1	-	0	6.444	0.000	0.000		OK
S101.1	-	0	5.743	0.000	0.000		OK
S101	15 min Summer	9	5.394	0.314	145.994		OK
S122 RE2	-	0	5.882	0.000	0.000		OK
S122.2	-	0	5.829	0.000	0.000		OK
S122 RE1	-	0	5.712	0.000	0.000		OK
S122.1	-	0	5.511	0.000	0.000		OK
S122	15 min Summer	8	5.412	0.172	39.887		OK
S102 RE2	-	0	5.880	0.000	0.000		OK
S102.3	-	0	5.703	0.000	0.000		OK
S102.2	-	0	5.543	0.000	0.000		OK
S102 RE4	-	0	6.317	0.000	0.000		OK
S102 RE5	-	0	6.394	0.000	0.000		OK
S102.5	-	0	6.161	0.000	0.000		OK
S102 RE3	-	0	6.032	0.000	0.000		OK
S102.4	-	0	5.873	0.000	0.000		OK
S102 RE1	-	0	5.929	0.000	0.000		OK
S102.1	-	0	5.419	0.000	0.000		OK
S102	15 min Summer	9	5.196	0.250	187.129		OK
S118	15 min Summer	11	5.208	0.440	278.981		OK
S82	15 min Summer	11	5.147	0.441	287.311		OK
S83	720 min Winter	693	4.928	0.513	2.715		OK
S85	720 min Winter	703	4.931	0.681	1.558		Surcharged
S86	720 min Winter	703	4.930	1.215	2.097		Surcharged
S107 RE3	-	0	6.243	0.000	0.000		OK
S107 RE2	-	0	6.113	0.000	0.000		OK
S107.4	-	0	6.058	0.000	0.000		OK
S107.3	-	0	5.959	0.000	0.000		OK
S107 RE4	-	0	6.162	0.000	0.000		OK
S107.2	15 min Summer	11	5.935	0.235	0.000		Surcharged
S107 RE1	-	0	6.077	0.000	0.000		OK
S107.1	15 min Summer	11	5.931	0.416	2.460		Surcharged
S107	15 min Summer	11	5.927	0.919	53.288		Surcharged
S165 RE3	-	0	5.958	0.000	0.000		OK
S165.5	15 min Summer	11	5.938	0.376	0.000		Surcharged
S165 RE2	15 min Summer	11	5.938	0.035	1.209		OK
S165.4	15 min Summer	11	5.942	0.319	1.080		Surcharged
S165.3	15 min Summer	11	5.936	0.513	0.453		Surcharged
S165 RE1	15 min Summer	11	5.921	0.036	1.611		OK
S165.2	15 min Summer	11	5.930	0.113	1.565		Surcharged
S165.1	15 min Summer	11	5.931	0.552	0.825		Surcharged
S165	15 min Summer	11	5.927	1.001	71.884		Surcharged
S113 RE3	-	0	6.306	0.000	0.000		OK
S113.6	-	0	6.235	0.000	0.000		OK
S113.5	15 min Summer	10	6.171	0.407	1.377		Surcharged
S113 RE4	-	0	6.353	0.000	0.000		OK
S113.4	15 min Summer	10	6.170	0.443	3.267		Surcharged
S113 RE2	15 min Summer	11	6.187	0.004	0.357		OK
S113.3	15 min Summer	11	6.188	0.556	0.000		Surcharged
S113 RE1	-	0	6.204	0.000	0.000		OK
S113.2	15 min Summer	11	6.183	0.499	0.000		Surcharged
S113.1	15 min Summer	11	6.178	0.671	1.700		Surcharged
S113	15 min Summer	10	6.170	0.834	66.308		Surcharged
S108 RE5	-	0	6.128	0.000	0.000		OK
S108.7	-	0	5.971	0.000	0.000		OK
S108.6	15 min Summer	11	5.953	0.141	0.081		Surcharged
S108 RE1	-	0	6.075	0.000	0.000		OK
S108.2	15 min Summer	11	5.939	0.539	0.000		Surcharged
S108 RE3	-	0	6.279	0.000	0.000		OK
S108.5	-	0	6.220	0.000	0.000		OK
S108 RE4	-	0	6.273	0.000	0.000		OK
S108.4	-	0	6.020	0.000	0.000		OK
S108 RE2	-	0	6.258	0.000	0.000		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S108.3	-	0	5.975	0.000	0.000		OK
S108.1	15 min Summer	11	5.934	0.590	0.769		Surcharged
S108	15 min Summer	11	5.923	1.064	163.705		Surcharged
S167 RE3	15 min Summer	12	5.891	0.100	0.000		Surcharged
S167 RE2	-	0	6.009	0.000	0.000		OK
S167.3	15 min Summer	12	5.874	0.321	0.035		Surcharged
S167 RE1	-	0	6.100	0.000	0.000		OK
S167.2	15 min Summer	12	5.859	0.462	0.263		Surcharged
S167.1	15 min Summer	11	5.892	0.576	3.949		Surcharged
S167	15 min Summer	11	5.893	1.117	179.693		Surcharged
S109 RE2	-	0	6.003	0.000	0.000		OK
S109.4	15 min Summer	12	5.884	0.008	0.000		OK
S109.3	15 min Summer	11	5.890	0.131	0.641		Surcharged
S109 RE5	-	0	6.218	0.000	0.000		OK
S109.6	-	0	6.160	0.000	0.000		OK
S109 RE4	-	0	6.262	0.000	0.000		OK
S109.5	15 min Summer	12	5.880	0.001	0.000		OK
S109.2	15 min Summer	11	5.880	0.278	0.277		Surcharged
S109 RE1	-	0	5.999	0.000	0.000		OK
S109.1	15 min Summer	11	5.874	0.350	0.132		Surcharged
S109	15 min Summer	11	5.866	1.150	242.011		Surcharged
S110 RE2	-	0	5.861	0.000	0.000		OK
S110 RE1	-	0	5.915	0.000	0.000		OK
S110.4	15 min Summer	12	5.752	0.290	0.293		Surcharged
S110 RE3	-	0	5.778	0.000	0.000		OK
S110.3	15 min Summer	12	5.731	0.526	0.000		Surcharged
S110 RE4	-	0	6.000	0.000	0.000		OK
S110.5	-	0	5.845	0.000	0.000		OK
S110.2	15 min Summer	11	5.732	0.576	6.058		Surcharged
S110 RE5	-	0	6.000	0.000	0.000		OK
S110.7	-	0	5.869	0.000	0.000		OK
S110.6	15 min Summer	12	5.744	0.057	0.000		OK
S110.1	15 min Summer	11	5.735	0.669	7.668		Surcharged
S110 RE6	15 min Summer	12	5.705	0.139	0.995		Surcharged
S110.11	15 min Summer	12	5.705	0.192	1.877		Surcharged
S110.10	15 min Summer	12	5.712	0.428	1.855		Surcharged
S110 RE7	15 min Summer	11	5.736	0.077	1.718		OK
S110.9	15 min Summer	11	5.734	0.629	5.971		Surcharged
S110 RE9	-	0	5.755	0.000	0.000		OK
S110.12	15 min Summer	11	5.747	0.220	0.322		Surcharged
S110 RE8	-	0	5.912	0.000	0.000		OK
S110.8	15 min Summer	11	5.742	0.728	6.148		Surcharged
S110	15 min Summer	11	5.743	1.178	277.796		Surcharged
S111 RE2	-	0	5.806	0.000	0.000		OK
S111.3	-	0	5.644	0.000	0.000		OK
S111.2	15 min Summer	11	5.613	0.297	0.000		Surcharged
S111 RE1	-	0	5.672	0.000	0.000		OK
S111.1	15 min Summer	11	5.613	0.655	0.551		Surcharged
S111	15 min Summer	11	5.607	1.182	290.178		Surcharged
S112 RE2	-	0	6.026	0.000	0.000		OK
S112.3	-	0	5.895	0.000	0.000		OK
S112.2	-	0	5.691	0.000	0.000		OK
S112 RE1	-	0	6.115	0.000	0.000		OK
S112.1	-	0	5.619	0.000	0.000		OK
S112 RE3	-	0	6.162	0.000	0.000		OK
S112.5	-	0	5.984	0.000	0.000		OK
S112 RE4	-	0	5.994	0.000	0.000		OK
S112.6	-	0	5.875	0.000	0.000		OK
S112.4	-	0	5.695	0.000	0.000		OK
S112	15 min Summer	11	5.516	1.165	336.525		Surcharged
S170 RE2	-	0	5.955	0.000	0.000		OK
S170.3	-	0	5.817	0.000	0.000		OK
S170.2	-	0	5.596	0.000	0.000		OK
S170 RE1	-	0	6.118	0.000	0.000		OK
S170.1	15 min Summer	11	5.403	0.094	0.000		OK
S170 RE4	-	0	6.217	0.000	0.000		OK
S170.6	-	0	6.144	0.000	0.000		OK
S170.5	-	0	5.786	0.000	0.000		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S170 RE3	-	0	6.261	0.000	0.000		OK
S170.4	-	0	5.656	0.000	0.000		OK
S170	15 min Summer	11	5.399	1.179	341.770		Surcharged
S103 RE4	-	0	5.681	0.000	0.000		OK
S103.8	-	0	5.624	0.000	0.000		OK
S103.7	15 min Summer	11	5.468	0.041	1.170		OK
S103 RE3	-	0	5.655	0.000	0.000		OK
S103.6	15 min Summer	11	5.486	0.097	0.638		OK
S103.5	15 min Summer	11	5.475	0.330	2.095		Surcharged
S103 RE2	-	0	5.725	0.000	0.000		OK
S103.4	-	0	5.539	0.000	0.000		OK
S103.3	15 min Summer	11	5.484	0.234	0.000		Surcharged
S103 RE1	-	0	5.650	0.000	0.000		OK
S103.2	15 min Summer	11	5.475	0.354	0.396		Surcharged
S103.1	15 min Summer	11	5.468	0.475	1.623		Surcharged
S121 RE2	-	0	5.784	0.000	0.000		OK
S121.2	-	0	5.705	0.000	0.000		OK
S121 RE1	-	0	5.782	0.000	0.000		OK
S121.1	15 min Summer	11	5.466	0.104	0.000		Surcharged
S121	15 min Summer	10	5.473	0.858	36.408		Surcharged
S103	15 min Summer	10	5.469	0.933	114.870		Surcharged
S106	15 min Summer	11	5.392	1.008	89.627		Surcharged
S105	15 min Summer	11	5.354	1.182	457.816		Surcharged
S124	720 min Winter	700	4.928	0.961	4.625		Surcharged
S125 RE1	-	0	6.103	0.000	0.000		OK
S125.2	-	0	5.519	0.000	0.000		OK
S125 RE2	-	0	6.043	0.000	0.000		OK
S125.1	-	0	5.227	0.000	0.000		OK
S125	720 min Winter	700	4.928	0.994	4.848		Surcharged
S126	720 min Winter	699	4.928	1.146	5.162		Surcharged
S127	720 min Winter	701	4.928	1.213	4.685		Surcharged
S46 RE2	-	0	5.456	0.000	0.000		OK
S46.2	-	0	5.339	0.000	0.000		OK
S46 RE1	-	0	5.320	0.000	0.000		OK
S46.1	720 min Winter	703	4.929	0.066	0.004		OK
S46	720 min Winter	703	4.928	0.929	0.109		Surcharged
S128 RE4	720 min Winter	704	4.928	0.082	0.000		OK
S128 RE3	-	0	4.949	0.000	0.000		OK
S128.6	720 min Winter	698	4.928	0.208	0.006		Surcharged
S128.5	720 min Winter	702	4.928	0.246	0.020		Surcharged
S128.4	720 min Winter	703	4.928	0.366	0.044		Surcharged
S128 RE2	-	0	5.207	0.000	0.000		OK
S128.3	-	0	5.112	0.000	0.000		OK
S128.2	720 min Winter	704	4.928	0.194	0.000		Surcharged
S128 RE1	-	0	4.966	0.000	0.000		OK
S128.1	720 min Winter	699	4.928	0.627	0.046		Surcharged
S47	720 min Winter	699	4.928	0.823	0.411		Surcharged
S128	720 min Winter	703	4.928	1.007	0.511		Surcharged
S129	720 min Winter	703	4.928	1.213	0.500		Surcharged
S87	720 min Winter	702	4.928	1.428	7.774		Surcharged
S159	720 min Winter	702	4.928	1.508	7.216		Surcharged
S50 RE4	-	0	5.141	0.000	0.000		OK
S50.6	-	0	5.072	0.000	0.000		OK
S50.5	-	0	4.903	0.000	0.000		OK
S50 RE3	-	0	5.094	0.000	0.000		OK
S50.4	-	0	4.967	0.000	0.000		OK
S50 RE2	-	0	5.065	0.000	0.000		OK
S50.3	-	0	4.997	0.000	0.000		OK
S50.2	-	0	4.818	0.000	0.000		OK
S50 RE1	-	0	5.125	0.000	0.000		OK
S50.1	-	0	4.717	0.000	0.000		OK
S50	7200 min Winter	5487	4.672	0.964	0.376		Surcharged
S51 RE2	-	0	5.202	0.000	0.000		OK
S51.2	-	0	4.997	0.000	0.000		OK
S51 RE1	-	0	5.378	0.000	0.000		OK
S51.1	-	0	4.812	0.000	0.000		OK
S51	7200 min Winter	5474	4.671	1.073	0.438		Surcharged
S49 RE2	-	0	4.960	0.000	0.000		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S49.4	-	0	4.766	0.000	0.000		OK
S49.3	-	0	4.673	0.000	0.000		OK
S49 RE1	-	0	4.986	0.000	0.000		OK
S49.2	-	0	4.842	0.000	0.000		OK
S49.1	7200 min Winter	5499	4.672	0.060	0.001		OK
S49	7200 min Winter	5476	4.671	1.147	0.464		Surcharged
S48 RE2	-	0	5.083	0.000	0.000		OK
S48.2	-	0	4.869	0.000	0.000		OK
S48 RE1	-	0	5.218	0.000	0.000		OK
S48.1	-	0	4.718	0.000	0.000		OK
S48	7200 min Winter	5473	4.671	1.198	0.564		Surcharged
S152 RE1	-	0	5.108	0.000	0.000		OK
S152 RE2	-	0	5.047	0.000	0.000		OK
S152.2	-	0	4.746	0.000	0.000		OK
S152 RE3	-	0	5.210	0.000	0.000		OK
S152 RE4	-	0	5.091	0.000	0.000		OK
S152.3	-	0	4.756	0.000	0.000		OK
S152.1	7200 min Winter	5482	4.672	0.022	0.008		OK
S152	7200 min Winter	5478	4.671	1.280	0.678		Surcharged
S88	7200 min Winter	5480	4.671	1.411	5.013		Surcharged
S89 RE1	-	0	5.338	0.000	0.000		OK
S89 RE2	-	0	5.278	0.000	0.000		OK
S89.4	-	0	5.163	0.000	0.000		OK
S89.3	-	0	5.025	0.000	0.000		OK
S89 RE4	-	0	5.178	0.000	0.000		OK
S89 RE3	-	0	5.305	0.000	0.000		OK
S89.5	-	0	5.097	0.000	0.000		OK
S89.2	-	0	4.825	0.000	0.000		OK
S89 RE6	-	0	4.979	0.000	0.000		OK
S89 RE5	-	0	5.177	0.000	0.000		OK
S89.6	-	0	4.936	0.000	0.000		OK
S89 RE7	-	0	5.096	0.000	0.000		OK
S89.1	-	0	4.681	0.000	0.000		OK
S89	7200 min Winter	5480	4.671	1.730	5.204		Surcharged
S90 RE1	-	0	4.938	0.000	0.000		OK
S90.3	-	0	4.737	0.000	0.000		OK
S90.2	7200 min Winter	5505	4.672	0.372	0.001		Surcharged
S90.1	7200 min Winter	5493	4.671	0.671	0.029		Surcharged
S90	7200 min Winter	5493	4.671	1.938	5.384		Surcharged
S156 RE2	-	0	4.800	0.000	0.000		OK
S156.3	-	0	4.685	0.000	0.000		OK
S156.2	7200 min Winter	5481	4.672	0.166	0.002		Surcharged
S156 RE1	-	0	4.785	0.000	0.000		OK
S156.1	7200 min Winter	5483	4.672	0.349	0.011		Surcharged
S156	7200 min Winter	5485	4.672	0.715	0.146		Surcharged
S91	7200 min Winter	5493	4.671	2.113	5.522		Surcharged
S157	7200 min Winter	5484	4.671	2.481	19.445		Surcharged
S130 RE4	-	0	5.049	0.000	0.000		OK
S130 RE3	-	0	5.048	0.000	0.000		OK
S130.5	-	0	4.948	0.000	0.000		OK
S130.4	-	0	4.822	0.000	0.000		OK
S130.3	-	0	4.693	0.000	0.000		OK
S130 RE1	-	0	5.067	0.000	0.000		OK
S130 RE2	-	0	5.212	0.000	0.000		OK
S130.2	8640 min Winter	6958	4.681	0.031	0.002		OK
S130.1	8640 min Winter	7007	4.681	0.090	0.009		OK
S130	8640 min Winter	6985	4.681	0.798	0.157		Surcharged
S131 RE1	-	0	4.888	0.000	0.000		OK
S131.4	-	0	4.753	0.000	0.000		OK
S131.3	8640 min Winter	6948	4.682	0.118	0.000		Surcharged
S131.2	8640 min Winter	7021	4.681	0.286	0.008		Surcharged
S131 RE3	8640 min Winter	6984	4.682	0.123	0.001		Surcharged
S131 RE2	-	0	4.744	0.000	0.000		OK
S131.6	8640 min Winter	7018	4.682	0.226	0.007		Surcharged
S131.5	8640 min Winter	7018	4.682	0.251	0.010		Surcharged
S131 RE4	8640 min Winter	7036	4.682	0.092	0.000		OK
S131.1	8640 min Winter	6995	4.681	0.449	0.021		Surcharged
S131	8640 min Winter	7022	4.681	0.901	0.278		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S132 RE2	8640 min Winter	6984	4.682	0.204	0.000		Surcharged
S132.3	8640 min Winter	6984	4.682	0.257	0.013		Surcharged
S132.2	8640 min Winter	7003	4.682	0.434	0.004		Surcharged
S132 RE1	8640 min Winter	6985	4.682	0.159	0.000		Surcharged
S132.1	8640 min Winter	7003	4.682	0.537	0.013		Surcharged
S132	8640 min Winter	7022	4.681	0.950	0.382		Surcharged
S133 RE3	8640 min Winter	6996	4.682	0.019	0.009		OK
S133 RE2	8640 min Winter	7001	4.682	0.011	0.002		OK
S133.5	8640 min Winter	6996	4.682	0.120	0.019		Surcharged
S133.4	8640 min Winter	6996	4.682	0.140	0.022		Surcharged
S133.3	8640 min Winter	7005	4.681	0.276	0.030		Surcharged
S133 RE1	-	0	4.683	0.000	0.000		OK
S133.2	8640 min Winter	7032	4.682	0.125	0.005		Surcharged
S133.1	8640 min Winter	6997	4.681	0.420	0.060		Surcharged
S133	8640 min Winter	7022	4.681	1.011	0.421		Surcharged
S134	8640 min Winter	7005	4.681	1.059	0.405		Surcharged
S135 RE2	-	0	4.936	0.000	0.000		OK
S135.3	-	0	4.854	0.000	0.000		OK
S135 RE1	-	0	5.016	0.000	0.000		OK
S135.2	8640 min Winter	7012	4.681	0.186	0.000		Surcharged
S135.1	8640 min Winter	7012	4.681	0.219	0.010		Surcharged
S135	8640 min Winter	7012	4.681	1.109	0.378		Surcharged
S150 RE2	-	0	4.849	0.000	0.000		OK
S150 RE1	-	0	4.893	0.000	0.000		OK
S150.4	-	0	4.743	0.000	0.000		OK
S150.3	-	0	4.711	0.000	0.000		OK
S150.2	8640 min Winter	7020	4.682	0.123	0.000		Surcharged
S150 RE4	-	0	4.760	0.000	0.000		OK
S150.6	8640 min Winter	6994	4.682	0.077	0.011		OK
S150 RE3	-	0	4.740	0.000	0.000		OK
S150.5	8640 min Winter	7012	4.681	0.464	0.076		Surcharged
S150.1	8640 min Winter	7031	4.681	0.542	0.037		Surcharged
S150	8640 min Winter	7031	4.681	0.820	0.162		Surcharged
S136 RE2	-	0	5.060	0.000	0.000		OK
S136.3	-	0	4.913	0.000	0.000		OK
S136 RE4	-	0	4.760	0.000	0.000		OK
S136 RE3	-	0	5.007	0.000	0.000		OK
S136.5	8640 min Winter	6964	4.682	0.035	0.016		OK
S136.4	8640 min Winter	6986	4.682	0.187	0.020		Surcharged
S136.2	8640 min Winter	6986	4.682	0.260	0.031		Surcharged
S136 RE1	-	0	5.109	0.000	0.000		OK
S136.1	8640 min Winter	6986	4.681	0.455	0.032		Surcharged
S136	8640 min Winter	6993	4.681	1.145	0.629		Surcharged
S137	8640 min Winter	6993	4.681	1.171	0.476		Flood Risk
S141 RE1	-	0	5.358	0.000	0.000		OK
S141.4	-	0	5.236	0.000	0.000		OK
S141.3	-	0	4.989	0.000	0.000		OK
S141.2	15 min Summer	10	4.975	0.181	0.000		Surcharged
S141.1	15 min Summer	10	4.969	0.287	0.764		Surcharged
S141 RE2	15 min Summer	11	4.972	0.033	0.000		OK
S141.6	15 min Summer	10	4.963	0.210	0.782		Surcharged
S141 RE3	15 min Summer	10	4.965	0.035	1.455		OK
S141.7	15 min Summer	10	4.967	0.209	2.449		Surcharged
S141.5	15 min Summer	10	4.966	0.410	4.229		Surcharged
S141	15 min Summer	10	4.968	0.908	85.597		Surcharged
S142 RE4	-	0	5.361	0.000	0.000		OK
S142 RE3	-	0	5.243	0.000	0.000		OK
S142.5	-	0	5.163	0.000	0.000		OK
S142.4	-	0	5.131	0.000	0.000		OK
S142 RE5	-	0	5.421	0.000	0.000		OK
S142.3	-	0	4.981	0.000	0.000		OK
S142 RE1	-	0	5.366	0.000	0.000		OK
S142.2	-	0	5.301	0.000	0.000		OK
S142.1	15 min Summer	11	4.742	0.001	0.000		OK
S142 RE6	-	0	5.186	0.000	0.000		OK
S142.9	-	0	5.010	0.000	0.000		OK
S142.8	-	0	4.830	0.000	0.000		OK
S142 RE2	-	0	5.145	0.000	0.000		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S142.7	15 min Summer	10	4.743	0.127	0.032		Surcharged
S142.6	15 min Summer	10	4.744	0.621	0.435		Surcharged
S142	15 min Summer	10	4.743	0.865	106.570		Surcharged
S143 RE1	-	0	5.214	0.000	0.000		OK
S143 RE2	-	0	5.254	0.000	0.000		OK
S143.1	8640 min Winter	7023	4.682	0.148	0.000		Surcharged
S143	8640 min Winter	6967	4.681	0.865	0.277		Surcharged
S144	8640 min Winter	7004	4.681	1.050	0.423		Surcharged
S147 RE3	-	0	4.870	0.000	0.000		OK
S147.8	15 min Summer	11	4.825	0.104	0.099		Surcharged
S147 RE2	15 min Summer	12	4.819	0.006	0.000		OK
S147.7	15 min Summer	11	4.821	0.097	0.290		OK
S147.6	15 min Summer	11	4.814	0.261	0.000		Surcharged
S147 RE1	15 min Summer	11	4.823	0.096	0.192		OK
S147.5	15 min Summer	11	4.819	0.140	0.292		Surcharged
S147.4	15 min Summer	10	4.805	0.364	7.396		Surcharged
S147.3	15 min Summer	10	4.811	0.456	7.981		Surcharged
S147.2	15 min Summer	10	4.828	0.556	8.039		Surcharged
S147.1	15 min Summer	10	4.844	0.660	7.470		Surcharged
S147	15 min Summer	10	4.853	0.929	107.884		Surcharged
S148 RE5	-	0	4.827	0.000	0.000		OK
S148.8	8640 min Winter	7019	4.682	0.213	0.000		Surcharged
S148 RE4	-	0	4.919	0.000	0.000		OK
S148.7	8640 min Winter	7056	4.682	0.101	0.000		Surcharged
S148.6	8640 min Winter	7007	4.681	0.437	0.029		Surcharged
S148 RE3	-	0	4.790	0.000	0.000		OK
S148.5	8640 min Winter	6999	4.682	0.095	0.000		OK
S148.4	8640 min Winter	6999	4.681	0.581	0.036		Surcharged
S148 RE2	8640 min Winter	7030	4.682	0.168	0.002		Surcharged
S148.3	8640 min Winter	7030	4.682	0.308	0.000		Surcharged
S148.2	8640 min Winter	7018	4.681	0.617	0.056		Surcharged
S148 RE1	8640 min Winter	7037	4.681	0.048	0.000		OK
S148.1	8640 min Winter	7037	4.681	0.686	0.036		Surcharged
S148	8640 min Winter	7012	4.681	0.979	0.315		Surcharged
S149	8640 min Winter	7012	4.681	1.019	0.295		Flood Risk
S145 RE4	8640 min Winter	6973	4.682	0.033	0.000		OK
S145.5	8640 min Winter	6973	4.682	0.260	0.008		Surcharged
S145 RE3	8640 min Winter	7042	4.682	0.221	0.000		Surcharged
S145.4	8640 min Winter	7011	4.681	0.479	0.015		Surcharged
S145 RE2	8640 min Winter	6997	4.682	0.257	0.000		Surcharged
S145.3	8640 min Winter	6997	4.681	0.602	0.034		Surcharged
S145 RE1	8640 min Winter	6949	4.682	0.310	0.015		Flood Risk
S145.2	8640 min Winter	6953	4.681	0.449	0.010		Surcharged
S145.1	8640 min Winter	6997	4.681	0.647	0.025		Surcharged
S145	8640 min Winter	7004	4.681	1.136	0.678		Flood Risk
S146	8640 min Winter	7004	4.681	1.171	0.716		Flood Risk
S138	8640 min Winter	7007	4.681	1.331	1.259		Flood Risk
S163	8640 min Winter	7007	4.681	1.366	1.242		Surcharged
S139	1440 min Winter	1130	4.698	1.708	7.026		Surcharged
S140	2160 min Summer	1441	4.696	1.904	5.726		Flood Risk
S24	1440 min Winter	1130	4.673	1.923	17.021		Surcharged
S25	7200 min Winter	5482	4.671	2.581	19.424		Flood Risk
S26	7200 min Winter	5493	1.802	0.062	18.889		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	S1 RE1	S1.2	0.000	0.000	0.000	0.000	OK
1.001	15 min Winter	0	S1.2	S1.1	0.000	0.000	0.000	0.000	OK
2.000	15 min Winter	0	S1 RE2	S1.3	0.000	0.000	0.000	0.000	OK
2.001	15 min Winter	0	S1.3	S1.1	0.000	0.000	0.000	0.000	OK
1.002	15 min Summer	8	S1.1	S1	0.012	0.000	0.000	0.000	OK
1.003	15 min Summer	10	S1	S2	0.239	1.294	74.302	0.918	OK
3.000	15 min Winter	0	S2 RE1	S2.3	0.000	0.000	0.000	0.000	OK
4.000	15 min Winter	0	S2 RE5	S2.3	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
3.001	15 min Winter	0	S2.3	S2.2	0.000	0.000	0.000	0.000	OK
3.002	15 min Summer	10	S2.2	S2	0.042	0.000	0.000	0.000	OK
1.004	15 min Summer	10	S2	S3	0.292	1.478	85.682	0.959	OK
1.005	15 min Summer	11	S3	S4	0.300	1.917	83.807	0.455	Surcharged
5.000	15 min Winter	0	S38 RE2	S38.2	0.000	0.000	0.000	0.000	OK
5.001	15 min Winter	9	S38.2	S38.1	0.050	0.000	0.000	0.000	OK
6.000	15 min Winter	9	S38 RE1	S38.1	0.050	0.000	0.000	0.000	OK
5.002	15 min Summer	11	S38.1	S38	0.100	0.580	4.554	0.410	Surcharged
5.003	15 min Summer	8	S38	S4	0.300	1.173	77.363	0.989	Surcharged
1.006	15 min Summer	9	S4	S5	0.525	1.371	296.785	1.254	OK
7.000	15 min Summer	10	S39 RE2	S39.2	0.050	0.000	0.000	0.000	OK
7.001	15 min Summer	11	S39.2	S39.1	0.100	0.301	2.228	0.370	Surcharged
8.000	15 min Winter	9	S39 RE1	S39.1	0.050	0.000	0.000	0.000	OK
7.002	15 min Summer	12	S39.1	S39	0.100	0.784	6.157	0.468	Surcharged
7.003	15 min Summer	8	S39	S40	0.300	1.186	71.693	0.984	Surcharged
9.000	15 min Winter	0	S40 RE2	S40.3	0.000	0.000	0.000	0.000	OK
9.001	15 min Winter	9	S40.3	S40.2	0.075	0.000	0.000	0.000	OK
10.000	15 min Winter	9	S40 RE1	S40.2	0.075	0.000	0.000	0.000	OK
9.002	30 min Summer	20	S40.2	S40.1	0.150	0.493	7.156	0.361	Surcharged
9.003	30 min Summer	20	S40.1	S40	0.150	0.564	9.961	0.436	Surcharged
7.004	15 min Summer	12	S40	S5	0.300	1.024	63.184	0.886	Surcharged
11.000	15 min Winter	0	S5 RE7	S5.10	0.000	0.000	0.000	0.000	OK
11.001	15 min Summer	12	S5.10	S5.9	0.070	0.102	0.287	0.040	OK
11.002	15 min Summer	12	S5.9	S5.8	0.100	0.354	2.779	0.411	Surcharged
11.003	15 min Summer	13	S5.8	S5	0.100	0.871	6.547	1.643	Surcharged
1.007	15 min Summer	10	S5	S7	0.600	1.750	494.714	1.699	Surcharged
12.000	15 min Winter	0	S27 RE4	S27.7	0.000	0.000	0.000	0.000	OK
12.001	15 min Winter	0	S27.7	S27.6	0.000	0.000	0.000	0.000	OK
13.000	15 min Winter	0	S27 RE5	S27.6	0.000	0.000	0.000	0.000	OK
12.002	15 min Winter	0	S27.6	S27.4	0.000	0.000	0.000	0.000	OK
14.000	15 min Winter	0	S27 RE3	S27.5	0.000	0.000	0.000	0.000	OK
14.001	15 min Winter	0	S27.5	S27.4	0.000	0.000	0.000	0.000	OK
12.003	15 min Winter	0	S27.4	S27.1	0.000	0.000	0.000	0.000	OK
15.000	15 min Winter	0	S27 RE2	S27.3	0.000	0.000	0.000	0.000	OK
16.000	15 min Winter	0	S27 RE1	S27.3	0.000	0.000	0.000	0.000	OK
15.001	15 min Winter	0	S27.3	S27.2	0.000	0.000	0.000	0.000	OK
15.002	15 min Winter	0	S27.2	S27.1	0.000	0.000	0.000	0.000	OK
12.004	15 min Summer	10	S27.1	S27	0.070	0.000	0.000	0.000	OK
12.005	15 min Summer	10	S27	S28	0.600	0.888	133.605	0.445	Surcharged
17.000	15 min Winter	0	S28 RE4	S28.5	0.000	0.000	0.000	0.000	OK
17.001	15 min Winter	0	S28.5	S28.3	0.000	0.000	0.000	0.000	OK
18.000	15 min Winter	0	S28 RE3	S28.4	0.000	0.000	0.000	0.000	OK
18.001	15 min Winter	0	S28.4	S28.3	0.000	0.000	0.000	0.000	OK
17.002	15 min Summer	10	S28.3	S28.1	0.024	0.000	0.000	0.000	OK
19.000	15 min Winter	0	S28 RE1	S28.2	0.000	0.000	0.000	0.000	OK
20.000	15 min Winter	0	S28 RE2	S28.2	0.000	0.000	0.000	0.000	OK
19.001	15 min Summer	10	S28.2	S28.1	0.024	0.000	0.000	0.000	OK
17.003	15 min Summer	11	S28.1	S28	0.099	0.149	1.521	0.033	OK
12.006	15 min Summer	10	S28	S29	0.600	0.753	135.125	0.464	Surcharged
21.000	15 min Summer	11	S29 RE2	S29.3	0.040	0.000	0.000	0.000	OK
21.001	15 min Summer	11	S29.3	S29.2	0.115	0.305	4.422	0.249	OK
21.002	30 min Summer	19	S29.2	S29.1	0.150	0.261	1.917	0.108	Surcharged
22.000	15 min Summer	10	S29 RE1	S29.1	0.045	0.000	0.000	0.000	OK
21.003	15 min Summer	11	S29.1	S29	0.150	0.562	5.785	0.356	Surcharged
12.007	15 min Summer	11	S29	S30	0.600	0.736	151.835	0.520	Surcharged
23.000	15 min Winter	0	S30 RE5	S30.4	0.000	0.000	0.000	0.000	OK
23.001	15 min Winter	0	S30.4	S30.3	0.000	0.000	0.000	0.000	OK
23.002	15 min Winter	10	S30.3	S30	0.075	0.000	0.000	0.000	OK
12.008	15 min Summer	11	S30	S7	0.600	0.885	213.493	0.732	Surcharged
24.000	15 min Winter	0	S116 RE3	S116.4	0.000	0.000	0.000	0.000	OK
24.001	15 min Winter	0	S116.4	S116.3	0.000	0.000	0.000	0.000	OK
24.002	15 min Winter	10	S116.3	S116	0.050	0.000	0.000	0.000	OK
25.000	15 min Winter	0	S116 RE2	S116.2	0.000	0.000	0.000	0.000	OK
25.001	15 min Summer	11	S116.2	S116.1	0.040	0.000	0.000	0.000	OK
26.000	15 min Summer	11	S116 RE1	S116.1	0.040	0.000	0.000	0.000	OK
25.002	15 min Summer	12	S116.1	S116	0.090	0.385	0.700	0.066	OK
24.003	15 min Summer	9	S116	S115	0.600	0.605	80.123	0.377	Surcharged
27.000	15 min Summer	11	S115 RE2	S115.2	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
27.001	15 min Summer	12	S115.2	S115.1	0.125	0.435	5.236	0.362	OK
28.000	15 min Summer	12	S115 RE1	S115.1	0.112	0.071	0.632	0.031	OK
27.002	15 min Summer	12	S115.1	S115	0.150	0.696	11.915	0.824	Surcharged
29.000	15 min Winter	0	S115 RE4	S115.7	0.000	0.000	0.000	0.000	OK
29.001	15 min Summer	11	S115.7	S115.6	0.004	0.000	0.000	0.000	OK
30.000	15 min Summer	11	S115 RE5	S115.6	0.004	0.000	0.000	0.000	OK
29.002	15 min Summer	12	S115.6	S115.3	0.103	0.117	0.312	0.013	OK
31.000	15 min Winter	0	S115 RE3	S115.5	0.000	0.000	0.000	0.000	OK
31.001	15 min Winter	0	S115.5	S115.4	0.000	0.000	0.000	0.000	OK
31.002	15 min Summer	10	S115.4	S115.3	0.050	0.000	0.000	0.000	OK
29.003	15 min Summer	12	S115.3	S115	0.150	0.388	2.934	0.173	Surcharged
24.004	30 min Summer	17	S115	S114	0.600	0.733	116.222	0.392	Surcharged
32.000	15 min Summer	10	S114 RE3	S114.4	0.050	0.000	0.000	0.000	OK
33.000	15 min Summer	10	S114 RE4	S114.4	0.050	0.000	0.000	0.000	OK
32.001	15 min Summer	12	S114.4	S114.3	0.100	0.291	2.032	0.301	Surcharged
32.002	15 min Summer	12	S114.3	S114	0.100	0.557	4.374	0.646	Surcharged
34.000	15 min Summer	11	S114 RE2	S114.2	0.050	0.000	0.000	0.000	OK
35.000	15 min Summer	11	S114 RE1	S114.2	0.050	0.000	0.000	0.000	OK
34.001	15 min Summer	12	S114.2	S114.1	0.100	0.446	2.594	0.270	Surcharged
34.002	15 min Summer	12	S114.1	S114	0.100	0.602	4.727	0.699	Surcharged
24.005	15 min Summer	12	S114	S7	0.600	0.731	131.762	0.453	Surcharged
36.000	15 min Winter	0	S7 RE2	S7.2	0.000	0.000	0.000	0.000	OK
36.001	15 min Winter	0	S7.2	S7.1	0.000	0.000	0.000	0.000	OK
37.000	15 min Winter	0	S7 RE1	S7.1	0.000	0.000	0.000	0.000	OK
36.002	15 min Winter	8	S7.1	S7	0.050	0.000	0.000	0.000	OK
1.008	15 min Summer	11	S7	S8	0.750	1.767	780.421	1.491	Surcharged
38.000	15 min Winter	0	S8 RE4	S8.4	0.000	0.000	0.000	0.000	OK
38.001	15 min Winter	0	S8.4	S8.3	0.000	0.000	0.000	0.000	OK
38.002	15 min Winter	0	S8.3	S8.1	0.000	0.000	0.000	0.000	OK
39.000	15 min Winter	0	S8 RE1	S8.2	0.000	0.000	0.000	0.000	OK
40.000	15 min Winter	0	S8 RE2	S8.2	0.000	0.000	0.000	0.000	OK
39.001	15 min Winter	0	S8.2	S8.1	0.000	0.000	0.000	0.000	OK
41.000	15 min Winter	0	S8 RE3	S8.1	0.000	0.000	0.000	0.000	OK
38.003	15 min Winter	9	S8.1	S8	0.075	0.000	0.000	0.000	OK
1.009	15 min Summer	11	S8	S9	0.750	1.840	812.827	1.545	Surcharged
42.000	15 min Winter	0	S9 RE1	S9.3	0.000	0.000	0.000	0.000	OK
42.001	15 min Winter	0	S9.3	S9.2	0.000	0.000	0.000	0.000	OK
42.002	15 min Winter	0	S9.2	S9.1	0.000	0.000	0.000	0.000	OK
42.003	15 min Winter	9	S9.1	S9	0.050	0.000	0.000	0.000	OK
1.010	360 min Summer	262	S9	S10	0.750	1.037	236.519	0.472	Surcharged
43.000	15 min Winter	0	S155 RE2	S155.4	0.000	0.000	0.000	0.000	OK
43.001	15 min Winter	0	S155.4	S155.3	0.000	0.000	0.000	0.000	OK
43.002	15 min Winter	0	S155.3	S155.2	0.000	0.000	0.000	0.000	OK
43.003	1440 min Winter	1388	S155.2	S155.1	0.042	0.000	0.000	0.000	OK
44.000	15 min Winter	0	S155 RE1	S155.1	0.000	0.000	0.000	0.000	OK
43.004	1440 min Winter	1654	S155.1	S155	0.117	0.004	0.052	0.002	OK
45.000	15 min Winter	0	S153 RE2	S153.2	0.000	0.000	0.000	0.000	OK
45.001	960 min Summer	918	S153.2	S153.1	0.050	0.000	0.000	0.000	OK
46.000	960 min Summer	918	S153 RE1	S153.1	0.050	0.000	0.000	0.000	OK
45.002	960 min Winter	1277	S153.1	S153	0.100	0.010	0.064	0.010	Surcharged
45.003	360 min Summer	334	S153	S154	0.375	0.609	11.432	0.088	Surcharged
47.000	15 min Winter	0	S153 RE4	S154.2	0.000	0.000	0.000	0.000	OK
48.000	15 min Winter	0	S154 RE4	S154.2	0.000	0.000	0.000	0.000	OK
47.001	15 min Winter	0	S154.2	S154.1	0.000	0.000	0.000	0.000	OK
47.002	15 min Winter	9	S154.1	S154	0.050	0.000	0.000	0.000	OK
45.004	15 min Summer	9	S154	S155	0.375	0.801	74.183	0.646	Surcharged
43.005	15 min Summer	9	S155	S72	0.375	0.985	108.798	0.948	Surcharged
49.000	15 min Winter	0	S72 RE3	S72.4	0.000	0.000	0.000	0.000	OK
49.001	15 min Winter	0	S72.4	S72.3	0.000	0.000	0.000	0.000	OK
50.000	15 min Winter	0	S72 RE4	S72.3	0.000	0.000	0.000	0.000	OK
49.002	1440 min Winter	1387	S72.3	S72.1	0.017	0.000	0.000	0.000	OK
51.000	15 min Winter	0	S72 RE1	S72.2	0.000	0.000	0.000	0.000	OK
52.000	15 min Winter	0	S72 RE2	S72.2	0.000	0.000	0.000	0.000	OK
51.001	1440 min Winter	1387	S72.2	S72.1	0.038	0.000	0.000	0.000	OK
49.003	1440 min Winter	1464	S72.1	S72	0.138	0.003	0.038	0.001	OK
43.006	15 min Summer	9	S72	S10	0.375	1.647	181.938	1.585	Surcharged
53.000	15 min Winter	0	S10 RE7	S10.12	0.000	0.000	0.000	0.000	OK
53.001	15 min Winter	0	S10.12	S10.11	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
54.000	15 min Winter	0	S10 RE8	S10.13	0.000	0.000	0.000	0.000	OK
54.001	15 min Winter	0	S10.13	S10.11	0.000	0.000	0.000	0.000	OK
53.002	15 min Winter	0	S10.11	S10.9	0.000	0.000	0.000	0.000	OK
55.000	15 min Winter	0	S10 RE6	S10.9	0.000	0.000	0.000	0.000	OK
53.003	15 min Winter	0	S10.9	S10.6	0.000	0.000	0.000	0.000	OK
56.000	15 min Winter	0	S10 RE5	S10.8	0.000	0.000	0.000	0.000	OK
56.001	15 min Winter	0	S10.8	S10.7	0.000	0.000	0.000	0.000	OK
56.002	15 min Winter	0	S10.7	S10.6	0.000	0.000	0.000	0.000	OK
53.004	15 min Winter	0	S10.6	S10.5	0.000	0.000	0.000	0.000	OK
57.000	15 min Winter	0	S10 RE4	S10.5	0.000	0.000	0.000	0.000	OK
53.005	15 min Winter	0	S10.5	S10.4	0.000	0.000	0.000	0.000	OK
58.000	15 min Winter	0	S10 RE3	S10.4	0.000	0.000	0.000	0.000	OK
53.006	240 min Summer	223	S10.4	S10.1	0.075	0.000	0.000	0.000	OK
59.000	15 min Winter	0	S10 RE2	S10.3	0.000	0.000	0.000	0.000	OK
59.001	1440 min Winter	1389	S10.3	S10.2	0.030	0.000	0.000	0.000	OK
59.002	1440 min Winter	1493	S10.2	S10.1	0.080	0.008	0.051	0.008	OK
60.000	180 min Summer	163	S10 RE1	S10.1	0.050	0.000	0.000	0.000	OK
53.007	1440 min Summer	1465	S10.1	S10	0.150	0.005	0.081	0.005	Surcharged
1.011	120 min Summer	103	S10	S11	0.750	1.849	607.367	0.999	Surcharged
1.012	120 min Summer	90	S11	S12	0.750	2.214	603.592	0.828	Surcharged
61.000	15 min Winter	0	S41 RE1	S41.2	0.000	0.000	0.000	0.000	OK
61.001	15 min Winter	0	S41.2	S41.1	0.000	0.000	0.000	0.000	OK
62.000	15 min Winter	0	S41 RE2	S41.1	0.000	0.000	0.000	0.000	OK
61.002	15 min Summer	9	S41.1	S41	0.044	0.000	0.000	0.000	OK
61.003	15 min Summer	9	S41	S42	0.294	1.220	69.719	0.512	OK
63.000	15 min Winter	0	S42 RE1	S42.3	0.000	0.000	0.000	0.000	OK
63.001	15 min Winter	0	S42.3	S42.2	0.000	0.000	0.000	0.000	OK
63.002	15 min Summer	9	S42.2	S42.1	0.030	0.000	0.000	0.000	OK
64.000	15 min Winter	0	S42 RE2	S42.4	0.000	0.000	0.000	0.000	OK
65.000	15 min Winter	0	S42 RE3	S42.4	0.000	0.000	0.000	0.000	OK
64.001	15 min Summer	9	S42.4	S42.1	0.030	0.000	0.000	0.000	OK
63.003	15 min Summer	10	S42.1	S42	0.130	0.336	1.322	0.038	OK
61.004	1440 min Winter	1335	S42	S45	0.300	0.779	6.325	0.066	Surcharged
66.000	15 min Winter	0	S117 RE2	S117.3	0.000	0.000	0.000	0.000	OK
66.001	15 min Winter	0	S117.3	S117.1	0.000	0.000	0.000	0.000	OK
67.000	15 min Winter	0	S117 RE1	S117.2	0.000	0.000	0.000	0.000	OK
67.001	15 min Winter	0	S117.2	S117.1	0.000	0.000	0.000	0.000	OK
66.002	360 min Winter	336	S117.1	S117	0.075	0.000	0.000	0.000	OK
66.003	360 min Summer	286	S117	S45	0.225	0.842	9.723	0.244	OK
68.000	15 min Winter	0	S45 RE3	S45.5	0.000	0.000	0.000	0.000	OK
68.001	1440 min Winter	1385	S45.5	S45.4	0.003	0.000	0.000	0.000	OK
68.002	1440 min Winter	1401	S45.4	S45.3	0.053	0.007	0.028	0.004	OK
68.003	1440 min Summer	2024	S45.3	S45	0.100	0.008	0.057	0.007	Surcharged
69.000	1440 min Winter	1837	S45 RE2	S45.2	0.131	0.006	0.068	0.004	OK
69.001	1440 min Winter	1837	S45.2	S45.1	0.150	0.006	0.113	0.008	Surcharged
70.000	1440 min Winter	1667	S45 RE1	S45.1	0.140	0.004	0.057	0.003	OK
69.002	600 min Summer	932	S45.1	S45	0.150	0.010	0.177	0.011	Surcharged
61.005	120 min Summer	86	S45	S162	0.450	1.462	105.183	0.280	OK
61.006	30 min Summer	23	S162	S12	0.450	2.039	197.660	0.926	OK
1.013	360 min Summer	189	S12	S158	0.750	0.521	158.039	0.143	Surcharged
1.014	10080 min Summer	6528	S158	S13	0.750	0.486	22.836	0.044	Surcharged
71.000	15 min Summer	11	S71 RE2	S71.2	0.150	0.278	4.020	0.227	Surcharged
71.001	15 min Summer	11	S71.2	S71.1	0.150	0.656	9.163	0.517	Surcharged
72.000	15 min Winter	8	S71 RE1	S71.1	0.050	0.000	0.000	0.000	OK
71.002	15 min Summer	11	S71.1	S71	0.150	0.890	15.736	0.304	Surcharged
73.000	15 min Winter	10	S71 RE4	S71.6	0.050	0.000	0.000	0.000	OK
73.001	15 min Summer	11	S71.6	S71.4	0.100	0.547	2.841	0.421	Surcharged
74.000	15 min Summer	11	S71 RE3	S71.5	0.100	0.321	2.460	0.339	Surcharged
74.001	15 min Summer	11	S71.5	S71.4	0.100	0.973	5.184	0.765	Surcharged
73.002	15 min Summer	11	S71.4	S71	0.100	1.440	11.306	0.434	Surcharged
71.003	15 min Summer	9	S71	S171	0.300	2.409	170.273	2.388	Surcharged
71.004	15 min Summer	10	S171	S13	0.300	2.318	162.807	2.283	Surcharged
75.000	15 min Winter	0	S44 RE2	S44.4	0.000	0.000	0.000	0.000	OK
75.001	15 min Winter	0	S44.4	S44.3	0.000	0.000	0.000	0.000	OK
75.002	15 min Summer	10	S44.3	S44.1	0.007	0.000	0.000	0.000	OK
76.000	15 min Winter	0	S44 RE1	S44.2	0.000	0.000	0.000	0.000	OK
76.001	15 min Summer	10	S44.2	S44.1	0.007	0.000	0.000	0.000	OK
75.003	7200 min Winter	5484	S44.1	S44	0.052	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
75.004	8640 min Winter	6143	S44	S13	0.450	0.318	3.341	0.019	OK
1.015	960 min Summer	912	S13	S14	0.750	0.643	40.144	0.069	Surcharged
77.000	15 min Summer	11	S33 RE1	S33.2	0.059	0.124	0.459	0.068	OK
77.001	15 min Summer	11	S33.2	S33.1	0.100	0.238	1.867	0.276	Surcharged
78.000	15 min Winter	0	S33 RE2	S33.3	0.000	0.000	0.000	0.000	OK
78.001	15 min Winter	9	S33.3	S33.1	0.050	0.000	0.000	0.000	OK
77.002	15 min Summer	12	S33.1	S33	0.100	0.628	4.932	0.565	Surcharged
77.003	15 min Summer	8	S33	S172	0.450	1.174	156.672	0.958	OK
77.004	15 min Summer	8	S172	S161	0.450	0.908	131.691	0.821	OK
79.000	15 min Winter	0	S161 RE3	S161.3	0.000	0.000	0.000	0.000	OK
80.000	15 min Winter	0	S161 RE2	S161.3	0.000	0.000	0.000	0.000	OK
79.001	15 min Winter	9	S161.3	S161.2	0.075	0.000	0.000	0.000	OK
81.000	15 min Winter	9	S161 RE1	S161.2	0.075	0.000	0.000	0.000	OK
79.002	30 min Summer	21	S161.2	S161.1	0.150	0.525	7.645	0.385	Surcharged
82.000	15 min Summer	11	S161 RE4	S161.5	0.035	0.000	0.000	0.000	OK
82.001	15 min Summer	12	S161.5	S161.4	0.110	0.135	0.619	0.035	OK
83.000	15 min Winter	11	S161 RE5	S161.4	0.050	0.000	0.000	0.000	OK
82.002	15 min Summer	12	S161.4	S161.1	0.150	0.323	5.219	0.196	Surcharged
79.003	15 min Summer	12	S161.1	S161	0.150	0.739	13.061	0.779	Surcharged
77.005	15 min Summer	8	S161	S34	0.450	1.198	184.354	1.118	OK
84.000	15 min Winter	0	S34 RE3	S34.3	0.000	0.000	0.000	0.000	OK
85.000	15 min Winter	0	S34 RE2	S34.3	0.000	0.000	0.000	0.000	OK
84.001	15 min Summer	11	S34.3	S34.2	0.041	0.000	0.000	0.000	OK
86.000	15 min Summer	11	S34 RE1	S34.2	0.041	0.000	0.000	0.000	OK
84.002	15 min Summer	12	S34.2	F34.1	0.114	0.525	1.428	0.081	OK
84.003	15 min Summer	12	F34.1	S34	0.148	0.354	4.052	0.094	OK
77.006	15 min Summer	12	S34	S35	0.450	1.163	184.967	1.131	OK
77.007	15 min Summer	12	S35	S36	0.450	1.389	220.866	1.381	OK
87.000	15 min Winter	0	S36 RE2	S36.6	0.000	0.000	0.000	0.000	OK
87.001	15 min Summer	11	S36.6	S36.3	0.048	0.000	0.000	0.000	OK
87.002	15 min Summer	12	S36.3	S36.2	0.097	0.209	1.094	0.162	OK
87.003	15 min Summer	12	S36.2	S36.1	0.100	0.496	3.895	0.403	Surcharged
88.000	15 min Winter	0	S36 RE3	S36.5	0.000	0.000	0.000	0.000	OK
88.001	15 min Winter	0	S36.5	S36.4	0.000	0.000	0.000	0.000	OK
89.000	15 min Winter	0	S36 RE4	S36.4	0.000	0.000	0.000	0.000	OK
88.002	15 min Winter	8	S36.4	S36.1	0.050	0.000	0.000	0.000	OK
87.004	15 min Summer	12	S36.1	S36	0.150	0.360	6.354	0.397	Surcharged
77.008	15 min Summer	12	S36	S37	0.450	1.651	262.529	1.562	OK
90.000	15 min Winter	0	S37 RE1	S37.4	0.000	0.000	0.000	0.000	OK
90.001	15 min Winter	0	S37.4	S37.3	0.000	0.000	0.000	0.000	OK
90.002	15 min Winter	0	S37.3	S37.2	0.000	0.000	0.000	0.000	OK
90.003	15 min Winter	0	S37.2	S37.1	0.000	0.000	0.000	0.000	OK
90.004	15 min Winter	8	S37.1	S37	0.050	0.000	0.000	0.000	OK
77.009	15 min Summer	12	S37	S14	0.450	1.826	289.948	1.773	OK
1.016	15 min Summer	10	S14	S15	0.750	1.447	639.089	0.872	Surcharged
1.017	15 min Summer	11	S15	S16	0.750	1.481	654.317	1.251	Surcharged
91.000	15 min Summer	11	S56 RE1	S56.2	0.020	0.000	0.000	0.000	OK
91.001	15 min Summer	11	S56.2	S56.1	0.070	0.265	1.550	0.230	OK
92.000	15 min Winter	0	S56 RE2	S56.3	0.000	0.000	0.000	0.000	OK
92.001	15 min Summer	10	S56.3	S56.1	0.050	0.000	0.000	0.000	OK
91.002	15 min Summer	12	S56.1	S56	0.100	0.584	3.492	0.343	Surcharged
91.003	15 min Summer	8	S56	S57	0.300	0.637	37.968	0.532	Surcharged
93.000	15 min Summer	11	S57 RE2	S57.3	0.016	0.000	0.000	0.000	OK
93.001	15 min Summer	11	S57.3	S57.1	0.066	0.132	0.728	0.108	OK
94.000	15 min Winter	0	S57 RE1	S57.2	0.000	0.000	0.000	0.000	OK
94.001	15 min Summer	10	S57.2	S57.1	0.050	0.000	0.000	0.000	OK
93.002	15 min Summer	12	S57.1	S57	0.100	0.545	3.690	0.405	Surcharged
91.004	15 min Summer	9	S57	S58	0.300	1.129	79.797	1.119	Surcharged
95.000	15 min Summer	11	S58 RE1	S58.3	0.012	0.000	0.000	0.000	OK
95.001	15 min Summer	12	S58.3	S58.2	0.087	0.092	0.165	0.008	OK
95.002	15 min Summer	12	S58.2	S58.1	0.150	0.394	4.176	0.235	Surcharged
95.003	15 min Summer	12	S58.1	S58	0.150	0.480	6.792	0.145	Surcharged
91.005	15 min Summer	10	S58	S59	0.300	1.257	88.841	1.260	Surcharged
96.000	15 min Summer	12	S59 RE4	S59.6	0.100	0.087	0.194	0.011	OK
96.001	15 min Summer	12	S59.6	S59.5	0.150	0.261	4.007	0.226	Surcharged
97.000	15 min Winter	11	S59 RE3	S59.5	0.050	0.000	0.000	0.000	OK
96.002	15 min Summer	12	S59.5	S59.3	0.150	0.433	6.720	0.379	Surcharged
98.000	15 min Winter	0	S59 RE2	S59.4	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
98.001	15 min Winter	9	S59.4	S59.3	0.050	0.000	0.000	0.000	OK
96.003	15 min Summer	12	S59.3	S59.1	0.150	0.544	9.161	0.515	Surcharged
99.000	15 min Winter	0	S59 RE1	S59.2	0.000	0.000	0.000	0.000	OK
99.001	15 min Winter	8	S59.2	S59.1	0.050	0.000	0.000	0.000	OK
96.004	15 min Summer	13	S59.1	S59	0.150	0.678	11.984	0.366	Surcharged
91.006	15 min Summer	10	S59	S16	0.300	1.766	124.822	1.741	Surcharged
100.000	7200 min Winter	5473	S151 RE2	S151.3	0.001	0.000	0.000	0.000	OK
100.001	7200 min Winter	5473	S151.3	S151.2	0.076	0.002	0.022	0.001	OK
101.000	960 min Summer	753	S151 RE1	S151.2	0.050	0.000	0.000	0.000	OK
100.002	2880 min Winter	2792	S151.2	S151.1	0.150	0.041	0.722	0.036	Surcharged
100.003	2880 min Winter	2792	S151.1	S151	0.150	0.046	0.816	0.041	Surcharged
100.004	15 min Summer	11	S151	S16	0.450	0.661	33.081	0.179	OK
1.018	15 min Summer	11	S16	S169	0.750	2.001	884.136	1.714	Surcharged
102.000	15 min Winter	0	S169 RE4	S169.4	0.000	0.000	0.000	0.000	OK
102.001	7200 min Winter	5492	S169.4	S169.3	0.059	0.000	0.000	0.000	OK
103.000	7200 min Winter	5492	S169 RE3	S169.3	0.034	0.000	0.000	0.000	OK
102.002	8640 min Winter	5877	S169.3	S169	0.100	0.049	0.360	0.025	Surcharged
104.000	15 min Winter	0	S169 RE2	S169.2	0.000	0.000	0.000	0.000	OK
104.001	15 min Winter	0	S169.2	S169.1	0.000	0.000	0.000	0.000	OK
105.000	15 min Winter	0	S169 RE1	S169.1	0.000	0.000	0.000	0.000	OK
104.002	15 min Winter	9	S169.1	S169	0.050	0.000	0.000	0.000	OK
1.019	360 min Summer	285	S169	S17	0.750	1.232	252.885	0.484	Surcharged
106.000	15 min Winter	0	S168 RE2	S168.3	0.000	0.000	0.000	0.000	OK
106.001	7200 min Winter	5472	S168.3	S168.2	0.009	0.000	0.000	0.000	OK
106.002	7200 min Winter	5625	S168.2	S168.1	0.059	0.008	0.038	0.006	OK
107.000	720 min Summer	632	S168 RE1	S168.1	0.050	0.000	0.000	0.000	OK
106.003	1440 min Summer	1061	S168.1	S168	0.100	0.060	0.469	0.069	Surcharged
106.004	1440 min Summer	1057	S168	S17	0.300	0.012	0.820	0.004	Surcharged
1.020	360 min Summer	268	S17	S18	0.750	1.214	252.251	0.466	Surcharged
108.000	15 min Winter	0	S60 RE1	S60.2	0.000	0.000	0.000	0.000	OK
108.001	15 min Winter	0	S60.2	S60.1	0.000	0.000	0.000	0.000	OK
109.000	15 min Winter	0	S60 RE2	S60.1	0.000	0.000	0.000	0.000	OK
108.002	8640 min Winter	6292	S60.1	S60	0.027	0.000	0.000	0.000	OK
108.003	8640 min Winter	6292	S60	S61	0.427	0.298	1.030	0.006	OK
108.004	2160 min Summer	1466	S61	S62	0.450	0.452	4.553	0.028	OK
108.005	120 min Summer	91	S62	S63	0.450	0.714	44.366	0.277	OK
110.000	15 min Winter	0	S63 RE1	S63.1	0.000	0.000	0.000	0.000	OK
110.001	8640 min Winter	6299	S63.1	S63.2	0.050	0.000	0.000	0.000	OK
111.000	8640 min Winter	6299	S63 RE2	S63.2	0.050	0.000	0.000	0.000	OK
110.002	8640 min Winter	6299	S63.2	S63	0.125	0.005	0.042	0.002	OK
108.006	60 min Winter	45	S63	S64	0.450	0.931	76.941	0.480	OK
112.000	15 min Winter	0	S64 RE3	S64.3	0.000	0.000	0.000	0.000	OK
113.000	15 min Winter	0	S64 RE2	S64.3	0.000	0.000	0.000	0.000	OK
112.001	8640 min Winter	6281	S64.3	S64.2	0.049	0.000	0.000	0.000	OK
114.000	8640 min Winter	6281	S64 RE1	S64.2	0.024	0.000	0.000	0.000	OK
112.002	8640 min Winter	6780	S64.2	S64.1	0.124	0.005	0.059	0.003	OK
112.003	120 min Summer	126	S64.1	S64	0.150	0.011	0.193	0.008	Surcharged
108.007	30 min Summer	20	S64	S65	0.450	1.111	147.643	0.920	OK
108.008	15 min Summer	12	S65	S66	0.450	1.137	165.739	1.032	OK
115.000	15 min Winter	0	S67 RE1	S67.2	0.000	0.000	0.000	0.000	OK
115.001	15 min Winter	0	S67.2	S67.1	0.000	0.000	0.000	0.000	OK
115.002	30 min Winter	22	S67.1	S67	0.050	0.000	0.000	0.000	OK
115.003	30 min Summer	22	S67	S66	0.300	0.523	6.511	0.081	Surcharged
116.000	15 min Winter	0	S66 RE1	S66.1	0.000	0.000	0.000	0.000	OK
116.001	15 min Winter	12	S66.1	S66	0.050	0.000	0.000	0.000	OK
108.009	15 min Summer	12	S66	S68	0.450	1.762	247.341	1.382	OK
108.010	120 min Summer	59	S68	S69	0.525	1.450	252.230	0.403	OK
108.011	720 min Summer	385	S69	S70	0.525	0.444	96.091	0.418	OK
108.012	480 min Summer	304	S70	S18	0.525	0.694	39.097	0.160	OK
1.021	240 min Summer	216	S18	S55	0.750	1.599	347.069	0.677	Surcharged
117.000	15 min Winter	0	S54 RE1	S54.3	0.000	0.000	0.000	0.000	OK
117.001	15 min Winter	0	S54.3	S54.2	0.000	0.000	0.000	0.000	OK
117.002	7200 min Winter	5493	S54.2	S54.1	0.002	0.000	0.000	0.000	OK
117.003	7200 min Winter	5518	S54.1	S54	0.052	0.007	0.031	0.002	OK
118.000	15 min Summer	9	S52	S53	0.300	1.144	80.887	1.134	Surcharged
118.001	15 min Summer	9	S53	S54	0.300	2.195	155.188	2.176	Surcharged
117.004	240 min Summer	238	S54	S55	0.300	1.150	48.575	0.681	Surcharged
1.022	240 min Summer	214	S55	S19	0.750	1.581	377.001	0.723	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
1.023	240 min Summer	197	S19	S20	0.750	1.639	381.596	0.731	Surcharged
1.024	240 min Summer	190	S20	S21	0.750	2.470	382.045	0.624	Surcharged
1.025	180 min Winter	143	S21	S22	0.750	1.446	460.909	0.137	Surcharged
119.000	600 min Summer	591	S22 RE2	S22.4	0.050	0.000	0.000	0.000	OK
119.001	2160 min Summer	1347	S22.4	S22.3	0.100	0.054	0.427	0.029	Surcharged
119.002	2160 min Summer	1347	S22.3	S22.2	0.100	0.093	0.733	0.109	Surcharged
119.003	2160 min Summer	1334	S22.2	S22.1	0.100	0.076	0.600	0.089	Surcharged
120.000	240 min Summer	250	S22 RE1	S22.1	0.050	0.000	0.000	0.000	OK
119.004	2160 min Summer	1480	S22.1	S22	0.100	0.088	0.693	0.018	Surcharged
1.026	30 min Summer	24	S22	S157	0.750	1.463	646.217	0.658	Surcharged
121.000	15 min Winter	0	S73	S74	0.000	0.000	0.000	0.000	OK
121.001	15 min Summer	12	S74	S76	0.041	0.000	0.000	0.000	OK
121.002	15 min Summer	13	S76	S100	0.159	0.201	9.336	0.031	OK
122.000	15 min Winter	0	S92 RE1	S92.2	0.000	0.000	0.000	0.000	OK
122.001	15 min Winter	0	S92.2	S92.1	0.000	0.000	0.000	0.000	OK
123.000	15 min Winter	0	S92 RE2	S92.1	0.000	0.000	0.000	0.000	OK
122.002	15 min Winter	0	S92.1	S92	0.000	0.000	0.000	0.000	OK
122.003	15 min Summer	9	S92	S93	0.235	0.933	55.147	0.493	OK
124.000	15 min Winter	0	S93 RE2	S93.3	0.000	0.000	0.000	0.000	OK
124.001	15 min Winter	0	S93.3	S93.2	0.000	0.000	0.000	0.000	OK
124.002	15 min Winter	0	S93.2	S93.1	0.000	0.000	0.000	0.000	OK
125.000	15 min Winter	0	S93 RE1	S93.1	0.000	0.000	0.000	0.000	OK
124.003	15 min Winter	0	S93.1	S93	0.000	0.000	0.000	0.000	OK
122.004	15 min Summer	9	S93	S94	0.273	0.925	58.308	0.490	OK
122.005	15 min Summer	10	S94	S95	0.310	0.749	58.669	0.511	OK
122.006	15 min Summer	10	S95	S96	0.346	0.937	89.469	0.779	OK
126.000	15 min Winter	0	S96 RE3	S96.7	0.000	0.000	0.000	0.000	OK
126.001	15 min Winter	0	S96.7	S96.6	0.000	0.000	0.000	0.000	OK
126.002	15 min Winter	0	S96.6	S96.5	0.000	0.000	0.000	0.000	OK
126.003	15 min Winter	0	S96.5	S96.1	0.000	0.000	0.000	0.000	OK
127.000	15 min Winter	0	S96 RE2	S96.4	0.000	0.000	0.000	0.000	OK
127.001	15 min Winter	0	S96.4	S96.3	0.000	0.000	0.000	0.000	OK
127.002	15 min Winter	0	S96.3	S96.2	0.000	0.000	0.000	0.000	OK
128.000	15 min Winter	0	S96 RE1	S96.2	0.000	0.000	0.000	0.000	OK
127.003	15 min Winter	0	S96.2	S96.1	0.000	0.000	0.000	0.000	OK
126.004	15 min Summer	10	S96.1	S96	0.056	0.209	0.306	0.017	OK
122.007	15 min Summer	10	S96	S97	0.369	1.039	111.112	0.968	OK
129.000	15 min Winter	0	S97 RE1	S97.2	0.000	0.000	0.000	0.000	OK
129.001	15 min Winter	0	S97.2	S97.1	0.000	0.000	0.000	0.000	OK
129.002	15 min Summer	9	S97.1	S97	0.050	0.000	0.000	0.000	OK
122.008	15 min Summer	9	S97	S98	0.357	1.565	165.444	1.441	OK
122.009	15 min Summer	9	S98	S100	0.291	1.970	177.463	1.546	OK
121.003	15 min Summer	10	S100	S118	0.343	0.949	151.229	0.378	OK
130.000	15 min Winter	0	S99 RE4	S99.3	0.000	0.000	0.000	0.000	OK
131.000	15 min Winter	0	S99 RE3	S99.3	0.000	0.000	0.000	0.000	OK
130.001	15 min Winter	0	S99.3	S99.2	0.000	0.000	0.000	0.000	OK
132.000	15 min Winter	0	S99 RE2	S99.2	0.000	0.000	0.000	0.000	OK
130.002	15 min Winter	0	S99.2	S99.1	0.000	0.000	0.000	0.000	OK
133.000	15 min Winter	0	S99 RE1	S99.1	0.000	0.000	0.000	0.000	OK
130.003	15 min Winter	0	S99.1	S99	0.000	0.000	0.000	0.000	OK
130.004	15 min Summer	9	S99	S101	0.285	0.583	57.530	0.359	OK
134.000	15 min Winter	0	S101 RE2	S101.3	0.000	0.000	0.000	0.000	OK
135.000	15 min Winter	0	S101 RE3	S101.3	0.000	0.000	0.000	0.000	OK
134.001	15 min Winter	0	S101.3	S101.2	0.000	0.000	0.000	0.000	OK
136.000	15 min Winter	0	S101 RE4	S101.2	0.000	0.000	0.000	0.000	OK
134.002	15 min Winter	0	S101.2	S101.1	0.000	0.000	0.000	0.000	OK
137.000	15 min Winter	0	S101 RE1	S101.1	0.000	0.000	0.000	0.000	OK
134.003	15 min Winter	0	S101.1	S101	0.000	0.000	0.000	0.000	OK
130.005	15 min Summer	9	S101	S102	0.292	1.361	148.563	0.926	OK
138.000	15 min Winter	0	S122 RE2	S122.2	0.000	0.000	0.000	0.000	OK
138.001	15 min Winter	0	S122.2	S122.1	0.000	0.000	0.000	0.000	OK
139.000	15 min Winter	0	S122 RE1	S122.1	0.000	0.000	0.000	0.000	OK
138.002	15 min Summer	8	S122.1	S122	0.023	0.000	0.000	0.000	OK
138.003	15 min Summer	8	S122	S102	0.169	1.233	39.528	0.972	OK
140.000	15 min Winter	0	S102 RE2	S102.3	0.000	0.000	0.000	0.000	OK
140.001	15 min Winter	0	S102.3	S102.2	0.000	0.000	0.000	0.000	OK
140.002	15 min Winter	0	S102.2	S102.1	0.000	0.000	0.000	0.000	OK
141.000	15 min Winter	0	S102 RE4	S102.5	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
142.000	15 min Winter	0	S102 RE5	S102.5	0.000	0.000	0.000	0.000	OK
141.001	15 min Winter	0	S102.5	S102.4	0.000	0.000	0.000	0.000	OK
143.000	15 min Winter	0	S102 RE3	S102.4	0.000	0.000	0.000	0.000	OK
141.002	15 min Winter	0	S102.4	S102.1	0.000	0.000	0.000	0.000	OK
144.000	15 min Winter	0	S102 RE1	S102.1	0.000	0.000	0.000	0.000	OK
140.003	15 min Winter	0	S102.1	S102	0.000	0.000	0.000	0.000	OK
130.006	15 min Summer	10	S102	S118	0.339	1.631	187.341	0.455	OK
121.004	15 min Summer	11	S118	S82	0.441	1.706	313.742	1.027	OK
121.005	15 min Summer	11	S82	S83	0.395	1.475	286.403	0.937	OK
121.006	720 min Winter	693	S83	S85	0.557	1.078	37.002	0.079	OK
121.007	240 min Summer	169	S85	S86	0.450	1.325	98.505	0.236	OK
121.008	15 min Summer	20	S86	S87	0.450	2.031	289.687	1.080	OK
145.000	15 min Winter	0	S107 RE3	S107.3	0.000	0.000	0.000	0.000	OK
146.000	15 min Winter	0	S107 RE2	S107.4	0.000	0.000	0.000	0.000	OK
146.001	15 min Winter	0	S107.4	S107.3	0.000	0.000	0.000	0.000	OK
145.001	15 min Winter	11	S107.3	S107.2	0.075	0.000	0.000	0.000	OK
147.000	15 min Winter	11	S107 RE4	S107.2	0.050	0.000	0.000	0.000	OK
145.002	15 min Summer	13	S107.2	S107.1	0.150	0.278	4.068	0.175	Surcharged
148.000	15 min Winter	9	S107 RE1	S107.1	0.050	0.000	0.000	0.000	OK
145.003	15 min Summer	13	S107.1	S107	0.150	0.348	6.151	0.348	Surcharged
145.004	15 min Summer	8	S107	S165	0.525	0.804	88.067	0.341	OK
149.000	15 min Winter	10	S165 RE3	S165.5	0.050	0.000	0.000	0.000	OK
149.001	15 min Summer	14	S165.5	S165.3	0.150	0.151	2.422	0.143	Surcharged
150.000	15 min Summer	12	S165 RE2	S165.4	0.067	0.288	0.368	0.055	OK
150.001	15 min Summer	14	S165.4	S165.3	0.150	0.230	2.801	0.141	Surcharged
149.002	15 min Summer	14	S165.3	S165.1	0.150	0.658	8.953	0.528	Surcharged
151.000	15 min Summer	12	S165 RE1	S165.2	0.068	0.241	1.053	0.156	OK
151.001	15 min Summer	12	S165.2	S165.1	0.100	0.367	2.819	0.272	Surcharged
149.003	15 min Summer	15	S165.1	S165	0.150	0.797	12.307	0.692	Surcharged
145.005	30 min Winter	16	S165	S108	0.525	0.602	94.640	0.367	OK
152.000	15 min Winter	0	S113 RE3	S113.6	0.000	0.000	0.000	0.000	OK
152.001	15 min Winter	9	S113.6	S113.5	0.075	0.000	0.000	0.000	OK
152.002	15 min Summer	13	S113.5	S113.4	0.150	0.424	2.744	0.123	Surcharged
153.000	15 min Winter	9	S113 RE4	S113.4	0.075	0.000	0.000	0.000	OK
152.003	15 min Summer	14	S113.4	S113	0.150	0.595	8.312	0.300	Surcharged
154.000	15 min Summer	12	S113 RE2	S113.3	0.052	0.042	0.039	0.003	OK
154.001	30 min Summer	23	S113.3	S113.1	0.100	0.543	3.576	0.465	Surcharged
155.000	15 min Winter	9	S113 RE1	S113.2	0.050	0.000	0.000	0.000	OK
155.001	15 min Summer	14	S113.2	S113.1	0.100	0.342	2.684	0.206	Surcharged
154.002	15 min Summer	15	S113.1	S113	0.100	1.208	9.484	1.186	Surcharged
152.004	15 min Summer	8	S113	S108	0.225	1.575	61.333	1.429	OK
156.000	15 min Winter	0	S108 RE5	S108.7	0.000	0.000	0.000	0.000	OK
156.001	15 min Summer	11	S108.7	S108.6	0.050	0.000	0.000	0.000	OK
156.002	15 min Summer	12	S108.6	S108.2	0.100	0.232	1.546	0.126	Surcharged
157.000	15 min Winter	9	S108 RE1	S108.2	0.050	0.000	0.000	0.000	OK
156.003	15 min Summer	15	S108.2	S108.1	0.150	0.244	3.840	0.193	Surcharged
158.000	15 min Winter	0	S108 RE3	S108.5	0.000	0.000	0.000	0.000	OK
158.001	15 min Winter	0	S108.5	S108.4	0.000	0.000	0.000	0.000	OK
159.000	15 min Winter	0	S108 RE4	S108.4	0.000	0.000	0.000	0.000	OK
158.002	15 min Winter	0	S108.4	S108.3	0.000	0.000	0.000	0.000	OK
160.000	15 min Winter	0	S108 RE2	S108.3	0.000	0.000	0.000	0.000	OK
158.003	15 min Winter	9	S108.3	S108.1	0.075	0.000	0.000	0.000	OK
156.004	15 min Summer	15	S108.1	S108	0.150	0.378	6.678	0.397	Surcharged
145.006	15 min Summer	8	S108	S167	0.525	1.123	210.978	0.821	OK
161.000	15 min Summer	13	S167 RE3	S167.3	0.100	0.254	1.380	0.204	Surcharged
162.000	15 min Winter	11	S167 RE2	S167.3	0.050	0.000	0.000	0.000	OK
161.001	15 min Summer	13	S167.3	S167.2	0.150	0.229	3.579	0.202	Surcharged
163.000	15 min Winter	9	S167 RE1	S167.2	0.050	0.000	0.000	0.000	OK
161.002	15 min Summer	15	S167.2	S167.1	0.100	0.889	6.985	1.159	Surcharged
161.003	15 min Summer	15	S167.1	S167	0.150	0.609	9.846	0.327	Surcharged
145.007	15 min Summer	8	S167	S109	0.525	0.949	193.142	0.752	OK
164.000	15 min Summer	12	S109 RE2	S109.4	0.004	0.000	0.000	0.000	OK
164.001	15 min Summer	12	S109.4	S109.3	0.051	0.105	0.098	0.014	OK
164.002	15 min Summer	12	S109.3	S109.2	0.100	0.234	1.645	0.244	Surcharged
165.000	15 min Winter	0	S109 RE5	S109.6	0.000	0.000	0.000	0.000	OK
165.001	15 min Summer	12	S109.6	S109.5	0.000	0.000	0.000	0.000	OK
166.000	15 min Summer	12	S109 RE4	S109.5	0.000	0.000	0.000	0.000	OK
165.002	15 min Summer	12	S109.5	S109.2	0.050	0.013	0.002	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
164.003	15 min Summer	12	S109.2	S109.1	0.150	0.323	3.270	0.164	Surcharged
167.000	15 min Summer	11	S109 RE1	S109.1	0.050	0.000	0.000	0.000	OK
164.004	15 min Summer	12	S109.1	S109	0.150	0.408	5.047	0.115	Surcharged
145.008	30 min Summer	15	S109	S110	0.525	1.342	275.795	1.071	OK
168.000	15 min Winter	11	S110 RE2	S110.4	0.050	0.000	0.000	0.000	OK
169.000	15 min Winter	11	S110 RE1	S110.4	0.050	0.000	0.000	0.000	OK
168.001	15 min Summer	14	S110.4	S110.3	0.100	0.450	2.886	0.428	Surcharged
170.000	15 min Winter	9	S110 RE3	S110.3	0.050	0.000	0.000	0.000	OK
168.002	15 min Summer	15	S110.3	S110.2	0.150	0.372	6.573	0.371	Surcharged
171.000	15 min Winter	0	S110 RE4	S110.5	0.000	0.000	0.000	0.000	OK
171.001	15 min Winter	9	S110.5	S110.2	0.050	0.000	0.000	0.000	OK
168.003	15 min Summer	15	S110.2	S110.1	0.150	0.513	9.069	0.508	Surcharged
172.000	15 min Winter	0	S110 RE5	S110.7	0.000	0.000	0.000	0.000	OK
172.001	15 min Summer	12	S110.7	S110.6	0.029	0.000	0.000	0.000	OK
172.002	15 min Summer	12	S110.6	S110.1	0.079	0.080	0.530	0.051	OK
168.004	15 min Summer	16	S110.1	S110	0.150	0.686	12.118	0.711	Surcharged
173.000	30 min Summer	22	S110 RE6	S110.11	0.100	0.218	1.250	0.185	Surcharged
173.001	15 min Summer	14	S110.11	S110.10	0.100	0.385	2.674	0.352	Surcharged
173.002	15 min Summer	15	S110.10	S110.9	0.100	0.675	5.298	0.786	Surcharged
174.000	15 min Summer	12	S110 RE7	S110.9	0.088	0.227	1.548	0.146	OK
173.003	15 min Summer	15	S110.9	S110.8	0.150	0.455	8.044	0.475	Surcharged
175.000	15 min Summer	10	S110 RE9	S110.12	0.050	0.000	0.000	0.000	OK
175.001	30 min Summer	21	S110.12	S110.8	0.150	0.152	2.201	0.066	Surcharged
176.000	15 min Winter	8	S110 RE8	S110.8	0.050	0.000	0.000	0.000	OK
173.004	15 min Summer	16	S110.8	S110	0.150	0.699	12.361	0.704	Surcharged
145.009	30 min Summer	15	S110	S111	0.525	1.349	288.098	1.120	OK
177.000	15 min Winter	0	S111 RE2	S111.3	0.000	0.000	0.000	0.000	OK
177.001	15 min Winter	10	S111.3	S111.2	0.075	0.000	0.000	0.000	OK
177.002	15 min Summer	14	S111.2	S111.1	0.150	0.248	3.602	0.115	Surcharged
178.000	15 min Winter	8	S111 RE1	S111.1	0.075	0.000	0.000	0.000	OK
177.003	15 min Summer	14	S111.1	S111	0.150	0.332	5.865	0.314	Surcharged
145.010	15 min Summer	13	S111	S112	0.525	1.402	303.429	1.191	OK
179.000	15 min Winter	0	S112 RE2	S112.3	0.000	0.000	0.000	0.000	OK
179.001	15 min Winter	0	S112.3	S112.2	0.000	0.000	0.000	0.000	OK
179.002	15 min Winter	0	S112.2	S112.1	0.000	0.000	0.000	0.000	OK
180.000	15 min Winter	0	S112 RE1	S112.1	0.000	0.000	0.000	0.000	OK
179.003	15 min Winter	7	S112.1	S112	0.075	0.000	0.000	0.000	OK
181.000	15 min Winter	0	S112 RE3	S112.5	0.000	0.000	0.000	0.000	OK
181.001	15 min Winter	0	S112.5	S112.4	0.000	0.000	0.000	0.000	OK
182.000	15 min Winter	0	S112 RE4	S112.6	0.000	0.000	0.000	0.000	OK
182.001	15 min Winter	0	S112.6	S112.4	0.000	0.000	0.000	0.000	OK
181.002	15 min Winter	7	S112.4	S112	0.075	0.000	0.000	0.000	OK
145.011	15 min Summer	11	S112	S170	0.525	1.573	340.477	0.998	OK
183.000	15 min Winter	0	S170 RE2	S170.3	0.000	0.000	0.000	0.000	OK
183.001	15 min Winter	0	S170.3	S170.2	0.000	0.000	0.000	0.000	OK
183.002	15 min Summer	11	S170.2	S170.1	0.047	0.000	0.000	0.000	OK
184.000	15 min Summer	11	S170 RE1	S170.1	0.022	0.000	0.000	0.000	OK
183.003	15 min Summer	12	S170.1	S170	0.122	0.185	2.167	0.039	OK
185.000	15 min Winter	0	S170 RE4	S170.6	0.000	0.000	0.000	0.000	OK
185.001	15 min Winter	0	S170.6	S170.5	0.000	0.000	0.000	0.000	OK
185.002	15 min Winter	0	S170.5	S170.4	0.000	0.000	0.000	0.000	OK
186.000	15 min Winter	0	S170 RE3	S170.4	0.000	0.000	0.000	0.000	OK
185.003	15 min Winter	7	S170.4	S170	0.050	0.000	0.000	0.000	OK
145.012	15 min Summer	12	S170	S105	0.525	1.600	346.321	1.015	OK
187.000	15 min Winter	0	S103 RE4	S103.8	0.000	0.000	0.000	0.000	OK
187.001	15 min Summer	11	S103.8	S103.7	0.021	0.000	0.000	0.000	OK
187.002	15 min Summer	12	S103.7	S103.5	0.071	0.294	1.593	0.210	OK
188.000	15 min Winter	0	S103 RE3	S103.6	0.000	0.000	0.000	0.000	OK
188.001	15 min Summer	12	S103.6	S103.5	0.099	0.232	1.455	0.216	OK
187.003	15 min Summer	12	S103.5	S103.1	0.150	0.343	5.467	0.324	Surcharged
189.000	15 min Winter	0	S103 RE2	S103.4	0.000	0.000	0.000	0.000	OK
189.001	15 min Winter	10	S103.4	S103.3	0.050	0.000	0.000	0.000	OK
189.002	15 min Summer	13	S103.3	S103.2	0.100	0.281	2.165	0.323	Surcharged
190.000	15 min Winter	9	S103 RE1	S103.2	0.050	0.000	0.000	0.000	OK
189.003	15 min Summer	13	S103.2	S103.1	0.100	0.547	4.298	0.637	Surcharged
187.004	15 min Summer	13	S103.1	S103	0.150	0.550	9.713	0.388	Surcharged
191.000	15 min Winter	0	S121 RE2	S121.2	0.000	0.000	0.000	0.000	OK
191.001	15 min Summer	11	S121.2	S121.1	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
192.000	15 min Summer	11	S121 RE1	S121.1	0.050	0.000	0.000	0.000	OK
191.002	15 min Summer	11	S121.1	S121	0.100	0.378	2.329	0.169	Surcharged
191.003	30 min Summer	15	S121	S103	0.375	0.445	36.905	0.328	Surcharged
187.005	15 min Summer	9	S103	S106	0.375	1.136	105.114	0.906	Surcharged
187.006	15 min Summer	9	S106	S105	0.375	1.022	103.350	0.952	Surcharged
145.013	15 min Summer	11	S105	S124	0.525	2.130	461.063	1.562	OK
145.014	15 min Summer	11	S124	S125	0.525	2.169	469.544	1.686	OK
193.000	15 min Winter	0	S125 RE1	S125.2	0.000	0.000	0.000	0.000	OK
193.001	15 min Winter	0	S125.2	S125.1	0.000	0.000	0.000	0.000	OK
194.000	15 min Winter	0	S125 RE2	S125.1	0.000	0.000	0.000	0.000	OK
193.002	15 min Winter	8	S125.1	S125	0.075	0.000	0.000	0.000	OK
145.015	15 min Summer	11	S125	S126	0.525	2.257	488.525	1.754	OK
145.016	30 min Summer	23	S126	S127	0.525	2.306	487.176	1.814	OK
145.017	30 min Summer	23	S127	S87	0.525	3.755	484.667	0.962	OK
195.000	15 min Winter	0	S46 RE2	S46.2	0.000	0.000	0.000	0.000	OK
195.001	720 min Winter	703	S46.2	S46.1	0.033	0.000	0.000	0.000	OK
196.000	720 min Winter	703	S46 RE1	S46.1	0.033	0.000	0.000	0.000	OK
195.002	720 min Winter	776	S46.1	S46	0.083	0.012	0.061	0.003	OK
195.003	30 min Summer	28	S46	S128	0.300	0.564	22.226	0.304	Surcharged
197.000	720 min Winter	791	S128 RE4	S128.6	0.091	0.009	0.048	0.007	OK
198.000	360 min Winter	291	S128 RE3	S128.6	0.050	0.000	0.000	0.000	OK
197.001	480 min Summer	486	S128.6	S128.5	0.100	0.010	0.075	0.011	Surcharged
197.002	480 min Summer	486	S128.5	S128.4	0.100	0.013	0.098	0.015	Surcharged
197.003	120 min Summer	126	S128.4	S128.1	0.100	0.029	0.225	0.033	Surcharged
199.000	15 min Winter	0	S128 RE2	S128.3	0.000	0.000	0.000	0.000	OK
199.001	360 min Winter	304	S128.3	S128.2	0.050	0.000	0.000	0.000	OK
199.002	600 min Summer	674	S128.2	S128.1	0.100	0.007	0.057	0.005	Surcharged
200.000	60 min Summer	47	S128 RE1	S128.1	0.050	0.000	0.000	0.000	OK
197.004	180 min Summer	186	S128.1	S128	0.150	0.015	0.273	0.008	Surcharged
201.000	60 min Winter	44	S47	S128	0.300	1.078	38.226	0.519	Surcharged
195.004	30 min Summer	26	S128	S129	0.300	1.761	107.734	0.822	Surcharged
195.005	15 min Summer	15	S129	S87	0.300	2.588	114.463	1.250	Surcharged
121.009	960 min Summer	426	S87	S159	0.525	0.595	103.068	0.240	OK
121.010	2880 min Winter	1387	S159	S88	0.450	0.937	24.556	0.077	OK
202.000	15 min Winter	0	S50 RE4	S50.6	0.000	0.000	0.000	0.000	OK
202.001	15 min Winter	0	S50.6	S50.5	0.000	0.000	0.000	0.000	OK
202.002	15 min Winter	0	S50.5	S50.1	0.000	0.000	0.000	0.000	OK
203.000	15 min Winter	0	S50 RE3	S50.4	0.000	0.000	0.000	0.000	OK
203.001	15 min Winter	0	S50.4	S50.2	0.000	0.000	0.000	0.000	OK
204.000	15 min Winter	0	S50 RE2	S50.3	0.000	0.000	0.000	0.000	OK
204.001	15 min Winter	0	S50.3	S50.2	0.000	0.000	0.000	0.000	OK
203.002	15 min Winter	0	S50.2	S50.1	0.000	0.000	0.000	0.000	OK
205.000	15 min Winter	0	S50 RE1	S50.1	0.000	0.000	0.000	0.000	OK
202.003	360 min Winter	278	S50.1	S50	0.075	0.000	0.000	0.000	OK
202.004	360 min Summer	273	S50	S51	0.450	0.766	26.227	0.151	OK
206.000	15 min Winter	0	S51 RE2	S51.2	0.000	0.000	0.000	0.000	OK
206.001	15 min Winter	0	S51.2	S51.1	0.000	0.000	0.000	0.000	OK
207.000	15 min Winter	0	S51 RE1	S51.1	0.000	0.000	0.000	0.000	OK
206.002	15 min Summer	10	S51.1	S51	0.050	0.000	0.000	0.000	OK
202.005	180 min Summer	177	S51	S49	0.450	0.892	50.991	0.294	OK
208.000	15 min Winter	0	S49 RE2	S49.4	0.000	0.000	0.000	0.000	OK
208.001	15 min Winter	0	S49.4	S49.3	0.000	0.000	0.000	0.000	OK
208.002	7200 min Winter	5499	S49.3	S49.1	0.030	0.000	0.000	0.000	OK
209.000	15 min Winter	0	S49 RE1	S49.2	0.000	0.000	0.000	0.000	OK
209.001	7200 min Winter	5499	S49.2	S49.1	0.030	0.000	0.000	0.000	OK
208.003	7200 min Winter	6298	S49.1	S49	0.080	0.011	0.050	0.004	OK
202.006	180 min Summer	155	S49	S48	0.450	0.897	57.945	0.338	OK
210.000	15 min Winter	0	S48 RE2	S48.2	0.000	0.000	0.000	0.000	OK
210.001	15 min Winter	0	S48.2	S48.1	0.000	0.000	0.000	0.000	OK
211.000	15 min Winter	0	S48 RE1	S48.1	0.000	0.000	0.000	0.000	OK
210.002	15 min Summer	9	S48.1	S48	0.050	0.000	0.000	0.000	OK
202.007	30 min Summer	17	S48	S152	0.450	1.284	183.428	1.069	OK
212.000	15 min Winter	0	S152 RE1	S152.2	0.000	0.000	0.000	0.000	OK
213.000	15 min Winter	0	S152 RE2	S152.2	0.000	0.000	0.000	0.000	OK
212.001	7200 min Winter	5482	S152.2	S152.1	0.011	0.000	0.000	0.000	OK
214.000	15 min Winter	0	S152 RE3	S152.3	0.000	0.000	0.000	0.000	OK
215.000	15 min Winter	0	S152 RE4	S152.3	0.000	0.000	0.000	0.000	OK
214.001	7200 min Winter	5482	S152.3	S152.1	0.011	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
212.002	7200 min Winter	5482	S152.1	S152	0.086	0.003	0.031	0.000	OK
202.008	30 min Summer	17	S152	S88	0.450	1.563	197.109	1.107	OK
121.011	30 min Summer	17	S88	S89	0.525	1.788	331.333	0.904	OK
216.000	15 min Winter	0	S89 RE1	S89.4	0.000	0.000	0.000	0.000	OK
217.000	15 min Winter	0	S89 RE2	S89.4	0.000	0.000	0.000	0.000	OK
216.001	15 min Winter	0	S89.4	S89.3	0.000	0.000	0.000	0.000	OK
216.002	15 min Winter	0	S89.3	S89.2	0.000	0.000	0.000	0.000	OK
218.000	15 min Winter	0	S89 RE4	S89.5	0.000	0.000	0.000	0.000	OK
219.000	15 min Winter	0	S89 RE3	S89.5	0.000	0.000	0.000	0.000	OK
218.001	15 min Winter	0	S89.5	S89.2	0.000	0.000	0.000	0.000	OK
216.003	15 min Winter	0	S89.2	S89.1	0.000	0.000	0.000	0.000	OK
220.000	15 min Winter	0	S89 RE6	S89.6	0.000	0.000	0.000	0.000	OK
221.000	15 min Winter	0	S89 RE5	S89.6	0.000	0.000	0.000	0.000	OK
220.001	15 min Winter	0	S89.6	S89.1	0.000	0.000	0.000	0.000	OK
222.000	15 min Winter	0	S89 RE7	S89.1	0.000	0.000	0.000	0.000	OK
216.004	15 min Winter	9	S89.1	S89	0.075	0.000	0.000	0.000	OK
121.012	15 min Summer	10	S89	S90	0.525	1.749	377.342	0.951	OK
223.000	15 min Winter	0	S90 RE1	S90.3	0.000	0.000	0.000	0.000	OK
223.001	480 min Summer	465	S90.3	S90.2	0.075	0.000	0.000	0.000	OK
223.002	1440 min Winter	1133	S90.2	S90.1	0.150	0.038	0.667	0.022	Surcharged
223.003	1440 min Winter	1133	S90.1	S90	0.150	0.042	0.743	0.006	Surcharged
121.013	15 min Summer	9	S90	S91	0.525	1.974	427.314	0.897	OK
224.000	15 min Winter	0	S156 RE2	S156.3	0.000	0.000	0.000	0.000	OK
224.001	960 min Summer	900	S156.3	S156.2	0.050	0.000	0.000	0.000	OK
224.002	1440 min Winter	1051	S156.2	S156.1	0.100	0.097	0.763	0.113	Surcharged
225.000	480 min Summer	434	S156 RE1	S156.1	0.050	0.000	0.000	0.000	OK
224.003	1440 min Winter	1036	S156.1	S156	0.100	0.126	0.986	0.086	Surcharged
224.004	360 min Summer	279	S156	S91	0.225	1.018	10.200	0.079	OK
121.014	15 min Summer	9	S91	S157	0.525	2.184	472.721	1.362	OK
1.027	30 min Summer	19	S157	S25	0.750	2.025	894.798	1.075	Surcharged
226.000	15 min Winter	0	S130 RE4	S130.5	0.000	0.000	0.000	0.000	OK
227.000	15 min Winter	0	S130 RE3	S130.5	0.000	0.000	0.000	0.000	OK
226.001	15 min Winter	0	S130.5	S130.4	0.000	0.000	0.000	0.000	OK
226.002	15 min Winter	0	S130.4	S130.3	0.000	0.000	0.000	0.000	OK
226.003	8640 min Winter	7007	S130.3	S130.1	0.045	0.000	0.000	0.000	OK
228.000	8640 min Winter	6958	S130 RE1	S130.2	0.016	0.000	0.000	0.000	OK
229.000	8640 min Winter	6958	S130 RE2	S130.2	0.016	0.000	0.000	0.000	OK
228.001	8640 min Winter	7007	S130.2	S130.1	0.061	0.016	0.050	0.005	OK
226.004	8640 min Winter	7466	S130.1	S130	0.120	0.006	0.085	0.002	OK
226.005	960 min Summer	895	S130	S131	0.450	0.395	5.995	0.034	OK
230.000	15 min Winter	0	S131 RE1	S131.4	0.000	0.000	0.000	0.000	OK
230.001	7200 min Winter	5840	S131.4	S131.3	0.050	0.000	0.000	0.000	OK
230.002	8640 min Winter	6511	S131.3	S131.2	0.100	0.013	0.072	0.011	Surcharged
230.003	8640 min Winter	6288	S131.2	S131.1	0.100	0.013	0.101	0.011	Surcharged
231.000	8640 min Winter	6586	S131 RE3	S131.6	0.100	0.009	0.060	0.009	Surcharged
232.000	2160 min Summer	2069	S131 RE2	S131.6	0.050	0.000	0.000	0.000	OK
231.001	10080 min Summer	6928	S131.6	S131.5	0.100	0.036	0.089	0.013	Surcharged
231.002	8640 min Winter	6771	S131.5	S131.1	0.100	0.017	0.132	0.020	Surcharged
233.000	8640 min Winter	7036	S131 RE4	S131.1	0.096	0.010	0.063	0.006	OK
230.004	7200 min Summer	6175	S131.1	S131	0.150	0.010	0.182	0.007	Surcharged
226.006	600 min Summer	567	S131	S132	0.450	0.654	17.593	0.110	OK
234.000	10080 min Winter	8470	S132 RE2	S132.3	0.100	0.017	0.060	0.009	Surcharged
234.001	5760 min Winter	6215	S132.3	S132.2	0.100	0.011	0.089	0.013	Surcharged
234.002	10080 min Winter	9841	S132.2	S132.1	0.100	0.013	0.102	0.015	Surcharged
235.000	7200 min Winter	5571	S132 RE1	S132.1	0.100	0.010	0.059	0.004	Surcharged
234.003	4320 min Summer	4584	S132.1	S132	0.100	0.018	0.141	0.026	Surcharged
226.007	360 min Summer	471	S132	S133	0.450	0.758	30.038	0.186	OK
236.000	8640 min Winter	6996	S133 RE3	S133.5	0.060	0.012	0.055	0.008	OK
237.000	8640 min Winter	7269	S133 RE2	S133.5	0.056	0.011	0.047	0.006	OK
236.001	8640 min Winter	7319	S133.5	S133.4	0.100	0.048	0.071	0.010	Surcharged
236.002	10080 min Winter	9499	S133.4	S133.3	0.100	0.015	0.077	0.011	Surcharged
236.003	7200 min Winter	7076	S133.3	S133.1	0.100	0.012	0.092	0.014	Surcharged
238.000	7200 min Winter	5710	S133 RE1	S133.2	0.050	0.000	0.000	0.000	OK
238.001	10080 min Winter	9121	S133.2	S133.1	0.100	0.011	0.053	0.004	Surcharged
236.004	8640 min Winter	8389	S133.1	S133	0.100	0.017	0.135	0.010	Surcharged
226.008	360 min Summer	337	S133	S134	0.450	0.697	30.850	0.189	OK
226.009	15 min Summer	9	S134	S135	0.450	0.974	143.709	0.879	OK
239.000	15 min Winter	0	S135 RE2	S135.3	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
239.001	2880 min Summer	2703	S135.3	S135.2	0.050	0.000	0.000	0.000	OK
240.000	2880 min Summer	2703	S135 RE1	S135.2	0.050	0.000	0.000	0.000	OK
239.002	5760 min Winter	5947	S135.2	S135.1	0.100	0.028	0.066	0.010	Surcharged
239.003	5760 min Winter	5947	S135.1	S135	0.100	0.014	0.114	0.006	Surcharged
226.010	15 min Summer	9	S135	S136	0.450	0.916	145.669	0.895	OK
241.000	15 min Winter	0	S150 RE2	S150.4	0.000	0.000	0.000	0.000	OK
242.000	15 min Winter	0	S150 RE1	S150.4	0.000	0.000	0.000	0.000	OK
241.001	15 min Winter	0	S150.4	S150.3	0.000	0.000	0.000	0.000	OK
241.002	7200 min Winter	5735	S150.3	S150.2	0.050	0.000	0.000	0.000	OK
241.003	10080 min Summer	8478	S150.2	S150.1	0.100	0.015	0.073	0.006	Surcharged
243.000	8640 min Winter	6994	S150 RE4	S150.6	0.038	0.000	0.000	0.000	OK
243.001	8640 min Winter	7332	S150.6	S150.5	0.088	0.010	0.064	0.005	OK
244.000	600 min Summer	827	S150 RE3	S150.5	0.050	0.000	0.000	0.000	OK
243.002	8640 min Winter	7332	S150.5	S150.1	0.100	0.036	0.088	0.013	Surcharged
241.004	7200 min Winter	6754	S150.1	S150	0.150	0.008	0.144	0.006	Surcharged
241.005	15 min Summer	9	S150	S136	0.300	1.233	77.491	1.096	Surcharged
245.000	15 min Winter	0	S136 RE2	S136.3	0.000	0.000	0.000	0.000	OK
245.001	7200 min Winter	5549	S136.3	S136.4	0.050	0.000	0.000	0.000	OK
246.000	8640 min Winter	6964	S136 RE4	S136.5	0.017	0.000	0.000	0.000	OK
247.000	8640 min Winter	6964	S136 RE3	S136.5	0.017	0.000	0.000	0.000	OK
246.001	8640 min Winter	6964	S136.5	S136.4	0.067	0.011	0.061	0.009	OK
245.002	8640 min Winter	6801	S136.4	S136.2	0.150	0.012	0.094	0.005	Surcharged
245.003	5760 min Summer	6238	S136.2	S136.1	0.150	0.008	0.130	0.007	Surcharged
248.000	960 min Summer	964	S136 RE1	S136.1	0.050	0.000	0.000	0.000	OK
245.004	8640 min Winter	8804	S136.1	S136	0.150	0.008	0.145	0.003	Surcharged
226.011	15 min Summer	9	S136	S137	0.450	1.340	213.140	1.477	OK
226.012	120 min Summer	95	S137	S138	0.450	0.982	114.505	0.890	OK
249.000	15 min Winter	0	S141 RE1	S141.4	0.000	0.000	0.000	0.000	OK
249.001	15 min Winter	0	S141.4	S141.3	0.000	0.000	0.000	0.000	OK
249.002	15 min Summer	10	S141.3	S141.2	0.075	0.000	0.000	0.000	OK
249.003	15 min Summer	11	S141.2	S141.1	0.150	0.268	2.719	0.153	Surcharged
249.004	15 min Summer	12	S141.1	S141	0.150	0.550	6.734	0.181	Surcharged
250.000	15 min Summer	11	S141 RE2	S141.6	0.066	0.152	0.842	0.125	OK
250.001	15 min Summer	12	S141.6	S141.5	0.100	0.515	3.188	0.472	Surcharged
251.000	15 min Summer	11	S141 RE3	S141.7	0.092	0.184	0.569	0.029	OK
251.001	15 min Summer	11	S141.7	S141.5	0.150	0.186	3.074	0.076	Surcharged
250.002	15 min Summer	12	S141.5	S141	0.150	0.557	9.845	0.269	Surcharged
249.005	15 min Summer	8	S141	S142	0.300	1.148	81.136	1.154	Surcharged
252.000	15 min Winter	0	S142 RE4	S142.5	0.000	0.000	0.000	0.000	OK
253.000	15 min Winter	0	S142 RE3	S142.5	0.000	0.000	0.000	0.000	OK
252.001	15 min Winter	0	S142.5	S142.4	0.000	0.000	0.000	0.000	OK
252.002	15 min Winter	0	S142.4	S142.3	0.000	0.000	0.000	0.000	OK
254.000	15 min Winter	0	S142 RE5	S142.3	0.000	0.000	0.000	0.000	OK
252.003	15 min Summer	11	S142.3	S142.1	0.001	0.000	0.000	0.000	OK
255.000	15 min Winter	0	S142 RE1	S142.2	0.000	0.000	0.000	0.000	OK
255.001	15 min Winter	0	S142.2	S142.1	0.000	0.000	0.000	0.000	OK
252.004	15 min Summer	11	S142.1	S142	0.076	0.001	0.006	0.000	OK
256.000	15 min Winter	0	S142 RE6	S142.9	0.000	0.000	0.000	0.000	OK
256.001	15 min Winter	0	S142.9	S142.8	0.000	0.000	0.000	0.000	OK
256.002	15 min Winter	7	S142.8	S142.6	0.050	0.000	0.000	0.000	OK
257.000	15 min Summer	10	S142 RE2	S142.7	0.050	0.000	0.000	0.000	OK
257.001	15 min Summer	11	S142.7	S142.6	0.100	0.229	1.794	0.108	Surcharged
256.003	15 min Summer	13	S142.6	S142	0.150	0.411	4.788	0.241	Surcharged
249.006	15 min Summer	10	S142	S143	0.300	1.472	104.038	1.412	Surcharged
258.000	4320 min Winter	4036	S143 RE1	S143.1	0.050	0.000	0.000	0.000	OK
259.000	4320 min Winter	4036	S143 RE2	S143.1	0.050	0.000	0.000	0.000	OK
258.001	10080 min Winter	7778	S143.1	S143	0.100	0.011	0.084	0.007	Surcharged
249.007	15 min Summer	11	S143	S144	0.300	1.665	117.685	1.650	Surcharged
249.008	15 min Summer	9	S144	S145	0.375	1.562	172.548	1.393	Surcharged
260.000	15 min Summer	11	S147 RE3	S147.8	0.050	0.000	0.000	0.000	OK
260.001	15 min Summer	12	S147.8	S147.6	0.100	0.245	1.435	0.211	Surcharged
261.000	15 min Summer	12	S147 RE2	S147.7	0.051	0.096	0.049	0.007	OK
261.001	15 min Summer	12	S147.7	S147.6	0.099	0.258	1.486	0.220	OK
260.002	15 min Summer	12	S147.6	S147.4	0.100	0.630	4.587	0.663	Surcharged
262.000	15 min Summer	12	S147 RE1	S147.5	0.098	0.347	1.583	0.235	OK
262.001	15 min Summer	12	S147.5	S147.4	0.100	0.436	3.247	0.456	Surcharged
260.003	15 min Summer	12	S147.4	S147.3	0.150	0.546	9.656	0.390	Surcharged
260.004	15 min Summer	13	S147.3	S147.2	0.150	0.663	11.716	0.740	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
260.005	15 min Summer	13	S147.2	S147.1	0.150	0.850	15.015	0.947	Surcharged
260.006	15 min Summer	13	S147.1	S147	0.150	1.033	18.257	1.152	Surcharged
260.007	15 min Summer	9	S147	S148	0.300	1.545	109.235	1.482	Surcharged
263.000	2160 min Summer	2132	S148 RE5	S148.8	0.050	0.000	0.000	0.000	OK
263.001	7200 min Summer	7417	S148.8	S148.6	0.100	0.015	0.080	0.012	Surcharged
264.000	8640 min Winter	6879	S148 RE4	S148.7	0.050	0.000	0.000	0.000	OK
264.001	8640 min Winter	7577	S148.7	S148.6	0.100	0.010	0.064	0.007	Surcharged
263.002	15 min Summer	13	S148.6	S148.4	0.150	0.288	3.463	0.195	Surcharged
265.000	8640 min Winter	6999	S148 RE3	S148.5	0.047	0.000	0.000	0.000	OK
265.001	8640 min Winter	7170	S148.5	S148.4	0.097	0.009	0.065	0.007	OK
263.003	15 min Summer	13	S148.4	S148.2	0.150	0.411	7.054	0.398	Surcharged
266.000	10080 min Summer	9331	S148 RE2	S148.3	0.100	0.010	0.065	0.010	Surcharged
266.001	5760 min Winter	6107	S148.3	S148.2	0.100	0.014	0.107	0.016	Surcharged
263.004	15 min Summer	13	S148.2	S148.1	0.150	0.526	9.294	0.524	Surcharged
267.000	8640 min Winter	7151	S148 RE1	S148.1	0.074	0.010	0.047	0.002	OK
263.005	15 min Summer	13	S148.1	S148	0.150	0.643	11.364	0.518	Surcharged
260.008	15 min Summer	10	S148	S149	0.300	1.356	95.867	1.358	Surcharged
260.009	15 min Summer	11	S149	S145	0.300	1.405	99.344	1.539	Surcharged
268.000	8640 min Winter	6973	S145 RE4	S145.5	0.067	0.011	0.052	0.006	OK
268.001	8640 min Winter	7310	S145.5	S145.4	0.100	0.011	0.081	0.011	Surcharged
269.000	7200 min Summer	7129	S145 RE3	S145.4	0.100	0.010	0.072	0.011	Surcharged
268.002	10080 min Summer	9529	S145.4	S145.3	0.100	0.016	0.123	0.018	Surcharged
270.000	4320 min Winter	4737	S145 RE2	S145.3	0.100	0.010	0.069	0.007	Surcharged
268.003	2160 min Summer	3227	S145.3	S145.1	0.150	0.009	0.165	0.008	Surcharged
271.000	2160 min Summer	2628	S145 RE1	S145.2	0.100	0.010	0.065	0.010	Surcharged
271.001	4320 min Winter	4731	S145.2	S145.1	0.100	0.013	0.099	0.015	Surcharged
268.004	2880 min Summer	3809	S145.1	S145	0.150	0.012	0.220	0.006	Surcharged
249.009	15 min Summer	10	S145	S146	0.375	2.404	265.461	2.559	Surcharged
249.010	60 min Winter	44	S146	S138	0.375	1.783	173.716	1.092	Surcharged
226.013	240 min Winter	134	S138	S163	0.450	0.358	56.868	0.300	OK
226.014	360 min Summer	206	S163	S139	0.450	0.814	25.407	0.088	OK
226.015	480 min Winter	247	S139	S140	0.525	0.334	72.262	0.167	OK
226.016	30 min Winter	46	S140	S24	0.525	0.319	68.989	0.460	OK
226.017	10080 min Winter	15713	S24	S25	0.525	1.326	189.444	0.139	OK
1.028	7200 min Winter	5493	S25	S26	0.062	1.212	18.889	0.024	OK