Network Details

Manhole Schedule

Manhole	Catchment Area (ha)	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
RE180B	0.004	0.180	Type E	6.199	5.600	0.499	488664.917	98012.977
RWP180B	0.000	0.180	Type E	6.224	5.650	0.474	488662.259	98004.156
PS753	0.000	0.450	450	6.223	5.500	0.623	488662.864	98005.227
RWP180C	0.000	0.180	Type E	6.229	5.650	0.479	488667.596	97998.179
PS750	0.000	0.450	450	6.245	5.300	0.845	488668.724	97997.930
RWP178B	0.000	0.180	Type E	6.050	5.500	0.450	488679.159	98004.704
RE179	0.005	0.180	Type E	6.045	5.450	0.495	488678.584	98005.067
PS118	0.000	0.450	450	6.096	5.300	0.646	488673.108	98005.097
PS119	0.000	0.450	450	6.230	5.150	0.930	488673.054	97993.420
ACO178	0.000	0.180	Type E	6.020	5.470	0.450	488683.292	98006.601
RWP178A	0.000	0.180	Type E	6.059	5.500	0.459	488684.780	98004.625
RE178	0.005	0.180	Type E	6.081	5.425	0.556	488685.247	98005.143
RWP178C	0.000	0.180	Type E	6.068	5.500	0.468	488684.807	97995.315
PS122	0.000	0.450	450	6.166	5.300	0.766	488685.189	97994.544
PS120	0.000	0.450	450	6.232	5.100	0.982	488677.171	97993.307
S45	0.026	1.350	Type C	6.235	4.850	1.160	488677.237	97985.390
S46	0.044	1.350	Type C	6.273	4.790	1.258	488666.139	97977.760
RE183A	0.000	0.180	Type E	6.212	5.600	0.512	488642.988	97977.505
PS755	0.000	0.450	450	6.206	5.475	0.631	488638.153	97966.774
RWP184A	0.000	0.180	Type E	6.374	5.650	0.624	488650.738	97964.439
PS731	0.000	0.450	450	6.240	5.300	0.840	488649.772	97961.675
DF185	0.009	0.180	Type E	6.081	5.300	0.631	488636.767	97961.671
PS50	0.000	0.450	Type E	6.212	5.150	0.912	488649.510	97957.962
S47	0.052	1.350	Type C	6.131	4.650	1.256	488653.902	97951.651
RE187A	0.000	0.180	Type E	5.991	5.400	0.491	488631.774	97945.739
PS761	0.000	0.450	450	5.981	5.275	0.606	488628.998	97934.811
RWP188A	0.000	0.180	Type E	6.149	5.450	0.599	488641.485	97934.573
PS762	0.000	0.450	450	6.028	5.150	0.778	488640.916	97931.762
DF189	0.007	0.180	Type E	5.925	5.150	0.625	488634.296	97929.368
RWP189A	0.000	0.180	Type E	6.048	5.350	0.598	488640.408	97924.875
PS54	0.000	0.450	Type E	6.030	5.050	0.830	488641.503	97927.801
S48	0.045	1.350	Type C	5.932	4.505	1.202	488646.694	97923.380
RE189A	0.000	0.180	Type E	5.896	5.300	0.496	488628.697	97929.033
PS766	0.000	0.450	450	5.889	5.175	0.614	488626.440	97917.583
RWP190A	0.000	0.180	Type E	6.049	5.350	0.599	488639.111	97918.138
PS767	0.000	0.450	450	5.921	5.050	0.771	488638.566	97915.235
DF191	0.009	0.180	Type E	5.794	5.000	0.644	488632.558	97911.995
RWP191A	0.000	0.180	Type E	5.924	5.225	0.599	488638.213	97908.784
PS56	0.000	0.450	Type E	5.918	4.900	0.868	488639.544	97911.722
S142	0.000	1.350	Type C	5.838	4.435	1.178	488645.489	97908.500
S139	0.000	0.000	Type C	5.700	4.350	1.125	488656.391	97902.191
RWP248A	0.000	0.180	Type E	5.865	5.350	0.415	488721.304	97893.660
RE248A	0.000	0.180	Type E	5.843	5.300	0.443	488721.813	97892.977
RE249B	0.000	0.180	Type E	5.904	5.300	0.504	488709.285	97884.783
PS597	0.000	0.450	450	5.893	5.150	0.643	488715.282	97888.651
RWP248B	0.000	0.180	Type E	5.864	5.350	0.414	488716.154	97901.517
RE248B	0.000	0.180	Type E	5.889	5.300	0.489	488716.006	97902.067
RWP249B	0.000	0.180	Type E	5.937	5.400	0.437	488702.983	97894.448
RE249A	0.000	0.180	Type E	5.948	5.350	0.498	488702.656	97895.013
PS596	0.000	0.450	450	6.001	4.900	0.951	488707.660	97900.576
S51	0.083	1.350	Type C	5.962	4.580	1.157	488705.511	97907.452
RWP250	0.000	0.180	Type E	5.774	5.200	0.474	488700.397	97881.927
RE250A	0.000	0.180	Type E	5.761	5.170	0.491	488701.332	97881.548
PS603	0.000	0.450	450	5.861	5.100	0.661	488706.366	97884.564
PS604	0.000	0.450	450	5.938	4.950	0.888	488699.387	97895.093
DF251	0.007	0.180	Type E	5.712	5.100	0.512	488691.706	97886.634
PS128	0.000	0.450	Type E	5.866	4.825	0.941	488689.991	97889.422
RWP251C	0.000	0.180	Type E	5.850	5.300	0.450	488685.451	97884.859
PS129	0.000	0.450	Type E	5.846	4.675	1.021	488684.517	97886.123
S52	0.000	1.350	Type C	5.776	4.450	1.101	488680.972	97891.769
S141	0.000	0.000	Type C	5.700	4.350	1.125	488667.415	97897.711
S140	0.038	0.000	Type C	5.700	4.200	1.275	488657.409	97893.243
S143	0.000	1.350	Type C	5.782	4.155	1.402	488653.218	97885.633
RWP251B	0.000	0.180	Type E	5.700	5.100	0.500	488694.645	97879.362

Manhole Schedule

Manhole	Catchment Area (ha)	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
RE251A	0.000	0.180	Type E	5.701	5.050	0.551	488695.280	97878.241
RWP253A	0.000	0.180	Type E	5.594	5.000	0.494	488678.111	97869.010
RE253A	0.000	0.180	Type E	5.537	4.975	0.462	488679.025	97868.174
PS606	0.000	0.450	450	5.664	4.875	0.689	488684.626	97872.187
PS607	0.000	0.450	450	5.677	4.725	0.852	488678.621	97882.655
RWP255A	0.000	0.180	Type E	5.550	5.000	0.450	488662.663	97860.378
RE255A	0.000	0.180	Type E	5.529	4.950	0.479	488663.727	97859.614
ACO254	0.000	0.180	Type E	5.595	5.045	0.450	488671.663	97863.366
PS610	0.000	0.450	450	5.575	4.850	0.625	488669.243	97862.671
PS611	0.000	0.450	450	5.673	4.600	0.973	488663.041	97874.287
PS608	0.000	0.450	450	5.734	4.450	1.134	488667.182	97876.557
S145	0.066	1.350	Type C	5.653	4.210	1.218	488663.673	97882.314
RE191A	0.000	0.180	Type E	5.766	5.125	0.541	488625.755	97910.180
GY192A	0.000	0.180	Type E	5.732	5.100	0.482	488627.535	97896.661
PS732	0.000	0.450	450	5.743	4.950	0.643	488626.235	97898.270
RWP192A	0.000	0.180	Type E	5.924	5.225	0.599	488638.448	97901.930
PS733	0.000	0.450	450	5.827	4.800	0.877	488638.751	97898.667
S144	0.019	1.350	Type C	5.724	4.391	1.183	488645.519	97891.895
RWP255B	0.000	0.180	Type E	5.570	5.000	0.470	488657.607	97869.283
DF255	0.007	0.180	Type E	5.474	4.850	0.524	488654.077	97865.736
PS131	0.000	0.450	Type E	5.551	4.550	0.851	488652.776	97868.308
S50	0.051	1.350	Type C	5.527	4.000	1.227	488647.159	97873.771
RWP229D	0.000	0.180	Type E	5.624	5.000	0.524	488609.855	97817.644
RE229B	0.000	0.180	Type E	5.604	4.950	0.554	488608.611	97817.272
RWP229E	0.000	0.180	Type E	5.624	5.000	0.524	488598.578	97823.581
RE229C	0.000	0.180	Type E	5.622	4.950	0.572	488598.613	97822.692
RWP229C	0.000	0.180	Type E	5.626	5.000	0.526	488606.514	97826.321
ACO229	0.000	0.180	Type E	5.595	5.045	0.450	488605.437	97824.360
PS776	0.000	0.450	450	5.608	4.850	0.658	488605.538	97825.361
RWP229F	0.000	0.180	Type E	5.623	5.075	0.448	488602.591	97831.072
PS775	0.000	0.450	450	5.617	4.825	0.692	488605.459	97827.650
RWP229B	0.000	0.180	Type E	5.637	5.000	0.537	488618.258	97820.836
RE229A	0.000	0.180	Type E	5.733	4.800	0.833	488620.469	97823.457
DF229	0.008	0.180	Type E	5.569	4.900	0.519	488612.138	97833.717
PS117	0.000	0.450	Type E	5.684	4.631	0.902	488617.572	97832.171
S147	0.033	1.350	Type C	5.617	4.279	1.188	488622.250	97833.985
ACO232	0.000	0.180	Type E	5.370	4.820	0.450	488644.792	97863.242
RE232A	0.011	0.180	Type E	5.448	4.800	0.548	488643.337	97864.705
PS247	0.000	0.450	450	5.501	4.635	0.716	488631.966	97862.883
ACO234	0.000	0.180	Type E	5.535	4.970	0.465	488649.002	97847.776
RWP234A	0.000	0.180	Type E	5.550	5.000	0.450	488647.040	97848.032
RE234A	0.005	0.180	Type E	5.537	4.925	0.512	488646.957	97848.938
RWP234B	0.000	0.180	Type E	5.550	5.000	0.450	488638.334	97844.727
PS245	0.000	0.450	450	5.592	4.800	0.692	488637.511	97844.989
RWP233A	0.000	0.180	Type E	5.400	4.850	0.450	488643.608	97858.528
ACO233	0.000	0.180	Type E	5.370	4.820	0.450	488645.868	97854.639
DF233	0.007	0.180	Type E	5.465	4.775	0.540	488646.690	97851.473
RWP233B	0.000	0.180	Type E	5.400	4.850	0.450	488644.292	97853.495
PS842	0.000	0.450	450	5.423	4.650	0.623	488645.108	97852.550
PS105	0.000	0.450	Type E	5.538	4.550	0.838	488634.027	97850.880
S55	0.000	1.350	Type C	5.543	4.201	1.192	488629.716	97849.575
RWP230C	0.000	0.180	Type E	5.548	5.000	0.448	488593.478	97842.683
RE230A	0.002	0.180	Type E	5.527	4.980	0.447	488593.261	97841.967
RWP230A	0.000	0.180	Type E	5.550	5.000	0.450	488602.505	97835.112
PS835	0.000	0.250	250	5.557	4.860	0.597	488602.567	97834.353
PS738	0.000	0.450	450	5.573	4.600	0.873	488613.219	97835.622
ACO231B	0.000	0.180	Type E	5.445	4.910	0.435	488599.215	97857.971
RE231A	0.000	0.180	Type E	5.532	4.850	0.582	488600.615	97859.327
PS692	0.000	0.450	450	5.507	4.650	0.757	488611.232	97860.402
RE231B	0.002	0.180	Type E	5.620	5.075	0.445	488593.958	97846.871
RWP231F	0.000	0.180	Type E	5.473	4.900	0.473	488601.384	97853.568
ACO231	0.000	0.180	Type E	5.460	4.910	0.450	488602.710	97849.283
PS836	0.000	0.250	250	5.499	4.800	0.599	488602.026	97847.818
PS693	0.000	0.450	450	5.540	4.450	0.990	488612.344	97848.976
PS102	0.006	0.180	Type E	5.502	4.750	0.602	488610.431	97847.156
PS103	0.000	0.450	450	5.579	4.350	1.079	488613.478	97847.025
S29	0.026	1.350	Type C	5.524	3.975	1.249	488618.851	97848.332
RE193B	0.000	0.180	Type E	5.612	5.070	0.442	488638.127	97887.691

Manhole Schedule

Manhole	Catchment Area (ha)	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
RE193A	0.000	0.180	Type E	5.653	5.070	0.483	488628.518	97895.005
PS769	0.000	0.250	250	5.607	4.950	0.557	488629.262	97887.725
RWP194A	0.000	0.180	Type E	5.550	5.000	0.450	488622.370	97885.807
RWP193C	0.000	0.180	Type E	5.625	5.075	0.450	488628.378	97888.091
RWP193B	0.000	0.180	Type E	5.624	5.075	0.449	488629.220	97886.022
PS770	0.000	0.450	450	5.626	4.800	0.726	488627.889	97886.681
RE193C	0.000	0.180	Type E	5.693	5.070	0.523	488639.622	97877.382
PS695	0.000	0.450	450	5.660	4.675	0.885	488629.356	97874.921
RE159C	0.000	0.180	Type E	5.611	5.000	0.511	488596.539	97884.500
RWP194C	0.000	0.180	Type E	5.628	5.075	0.453	488606.879	97886.045
RWP159F	0.000	0.180	Type E	5.624	5.075	0.449	488606.273	97883.674
PS737	0.000	0.450	450	5.617	4.900	0.617	488606.256	97884.930
RE194A	0.000	0.180	Type E	5.666	5.075	0.491	488612.608	97893.564
ACO194B	0.000	0.180	Type E	5.520	4.970	0.450	488614.725	97886.789
PS801	0.000	0.250	250	5.567	4.900	0.567	488613.412	97886.198
RWP194B	0.000	0.180	Type E	5.551	5.000	0.451	488613.118	97884.889
PS699	0.000	0.450	450	5.558	4.800	0.658	488611.738	97884.801
RWP159C	0.000	0.180	Type E	5.728	5.300	0.328	488596.202	97873.835
RE159B	0.000	0.180	Type E	5.867	5.250	0.517	488596.118	97871.712
RWP159D	0.000	0.180	Type E	5.632	5.075	0.457	488606.869	97874.173
PS772	0.000	0.450	450	5.685	4.975	0.610	488606.655	97872.709
PS696	0.000	0.675	Unknown	5.636	4.300	1.236	488612.971	97873.327
PS697	0.000	0.675	Unknown	5.650	4.150	1.350	488617.951	97873.789
S30	0.056	1.350	Type C	5.334	3.900	1.134	488616.965	97865.777
S31	0.009	1.350	Type C	5.494	3.835	1.359	488597.402	97863.837
S32	0.048	1.350	Type B	5.641	3.720	1.546	488588.885	97872.097
RWP160C	0.000	0.180	Type E	5.775	5.200	0.475	488605.936	97908.229
RWP160F	0.000	0.180	Type E	5.775	5.225	0.450	488608.973	97907.566
RE160A	0.000	0.180	Type E	5.772	5.150	0.522	488609.670	97907.980
PS704	0.000	0.450	450	5.743	4.950	0.693	488608.230	97917.420
RWP161C	0.000	0.180	Type E	5.695	5.125	0.470	488600.563	97931.679
RE161B	0.000	0.180	Type E	5.713	5.075	0.538	488598.384	97932.003
PS703	0.000	0.450	450	5.838	4.750	0.988	488596.284	97918.361
RWP160A	0.000	0.180	Type E	5.770	5.200	0.470	488602.219	97905.057
GY160	0.000	0.180	Type E	5.723	5.150	0.473	488598.204	97902.769
PS705	0.000	0.450	450	5.732	5.000	0.632	488599.035	97903.358
RWP160B	0.000	0.180	Type E	5.776	5.200	0.476	488598.314	97908.107
PS701	0.000	0.450	450	5.816	4.800	0.916	488595.883	97907.664
PS702	0.000	0.450	450	5.894	4.650	1.094	488595.973	97913.151
S33	0.101	1.350	Type B	5.618	3.620	1.623	488589.739	97913.439
S101	0.046	1.350	Type C	6.088	4.663	1.200	488691.528	97998.802
S40	0.011	1.350	Type C	5.803	4.378	1.200	488691.803	98040.874
RWP176C	0.000	0.180	Type E	5.770	5.225	0.445	488673.685	98031.437
RE176	0.000	0.180	Type E	5.752	5.215	0.437	488673.829	98030.500
PS413	0.000	0.450	Type E	5.870	5.000	0.770	488685.229	98030.469
GY176	0.000	0.180	Type E	5.695	5.090	0.455	488668.652	98032.104
RWP176A	0.000	0.180	Type E	5.789	5.225	0.464	488673.599	98040.984
PS410	0.000	0.450	450	5.775	4.850	0.775	488673.150	98042.405
PS411	0.000	0.450	Type E	5.836	4.475	1.211	488685.286	98042.379
S41	0.044	1.350	Type C	5.733	4.300	1.208	488685.204	98050.384
S42	0.020	1.350	Type C	5.491	4.185	1.081	488659.068	98050.514
S43	0.087	1.350	Type C	5.312	3.925	1.012	488634.743	98039.645
DF168	0.008	0.180	Type E	5.198	4.450	0.598	488618.512	97998.759
RWP168C	0.000	0.180	Type E	5.176	4.625	0.451	488616.398	97998.667
PS85	0.000	0.450	450	5.198	4.350	0.698	488616.013	98000.367
S44	0.022	1.350	Type C	5.019	3.775	0.869	488605.423	98002.755
RWP168D	0.000	0.180	Type E	5.176	4.625	0.451	488623.584	97994.438
RE168	0.000	0.180	Type E	5.202	4.600	0.502	488624.699	97994.075
ACO167	0.000	0.180	Type E	5.220	4.670	0.450	488619.849	97982.673
RWP168A	0.000	0.180	Type E	5.177	4.625	0.452	488620.548	97989.280
RWP167C	0.000	0.180	Type E	5.250	4.700	0.450	488619.299	97986.564
PS773	0.000	0.450	450	5.232	4.450	0.632	488620.781	97987.500
PS774	0.000	0.450	450	5.281	4.200	0.931	488607.692	97993.541
ACO165B	0.000	0.180	Type E	5.295	4.820	0.375	488616.543	97968.127
RE165A	0.000	0.180	Type E	5.350	4.750	0.500	488615.013	97966.265
PS717	0.000	0.450	450	5.450	4.400	0.950	488601.682	97968.218
RE166A	0.000	0.180	Type E	5.351	4.750	0.501	488616.448	97972.785
RWP167A	0.000	0.180	Type E	5.256	4.700	0.456	488616.801	97981.163

Manhole Schedule

Manhole	Catchment Area (ha)	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
ACO166	0.000	0.180	Type E	5.294	4.820	0.374	488617.935	97977.904
PS719	0.000	0.450	450	5.286	4.350	0.786	488617.256	97978.958
PS718	0.000	0.450	450	5.367	4.050	1.167	488603.650	97980.806
S35	0.035	1.350	Type C	5.091	3.710	1.006	488598.104	97983.920
S137	0.000	1.350	Type C	5.219	3.655	1.189	488595.432	97967.223
RWP161D	0.000	0.180	Type E	5.700	5.175	0.425	488607.334	97922.869
RE161A	0.000	0.180	Type E	5.700	5.150	0.450	488608.006	97922.902
RWP162D	0.000	0.180	Type E	5.548	5.050	0.398	488609.253	97946.643
RE162B	0.000	0.180	Type E	5.541	5.000	0.441	488610.148	97946.537
RE162A	0.000	0.180	Type E	5.560	5.000	0.460	488616.699	97936.821
RWP162E	0.000	0.180	Type E	5.542	5.050	0.392	488608.179	97937.407
PS708	0.000	0.250	250	5.538	4.900	0.538	488609.117	97937.708
RWP162A	0.000	0.180	Type E	5.533	5.050	0.383	488609.625	97936.759
PS709	0.000	0.250	250	5.533	4.875	0.558	488608.759	97936.140
ACO162A	0.000	0.180	Type E	5.524	4.900	0.524	488600.665	97937.719
RWP162B	0.000	0.180	Type E	5.565	5.050	0.415	488599.275	97938.410
PS710	0.000	0.450	450	5.622	4.400	1.122	488598.669	97937.221
S34	0.000	1.350	Type B	5.448	3.550	1.523	488592.183	97937.649
S36	0.114	0.000	Type C	5.000	3.525	1.100	488584.283	97938.235
S37	0.000	0.000	Type C	5.000	3.425	1.200	488576.508	97922.877
S38	0.000	1.350	Type C	4.950	3.400	1.325	488570.785	97923.606
S39	0.000	0.000	Type C	4.500	3.330	0.945	488558.028	97925.493

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)
1.000	RE180B	5.600	PS753	5.500	Circ	0.1mØ	8.017	80.2	0.600	0.499
2.000	RWP180B	5.650	PS753	5.500	Circ	0.1mØ	1.229	8.2	0.600	0.474
1.001	PS753	5.500	PS750	5.300	Circ	0.1mØ	9.359	46.8	0.600	0.623
3.000	RWP180C	5.650	PS750	5.300	Circ	0.1mØ	1.155	3.3	0.600	0.479
1.002	PS750	5.300	PS119	5.200	Circ	0.1mØ	6.252	62.5	0.600	0.845
4.000	RWP178B	5.500	RE179	5.450	Circ	0.1mØ	0.680	13.6	0.600	0.450
4.001	RE179	5.450	PS118	5.350	Circ	0.1mØ	5.476	54.8	0.600	0.495
4.002	PS118	5.300	PS119	5.150	Circ	0.15mØ	11.677	77.8	0.600	0.646
1.003	PS119	5.150	PS120	5.100	Circ	0.15mØ	4.119	82.4	0.600	0.930
5.000	ACO178	5.470	RE178	5.425	Circ	0.1mØ	2.439	54.2	0.600	0.450
6.000	RWP178A	5.500	RE178	5.425	Circ	0.1mØ	0.698	9.3	0.600	0.459
5.001	RE178	5.425	PS122	5.300	Circ	0.1mØ	10.599	84.8	0.600	0.556
7.000	RWP178C	5.500	PS122	5.300	Circ	0.1mØ	0.860	4.3	0.600	0.468
5.002	PS122	5.300	PS120	5.150	Circ	0.1mØ	8.113	54.1	0.600	0.766
1.004	PS120	5.100	S45	4.925	Circ	0.15mØ	7.917	45.2	0.600	0.982
1.005	S45	4.850	S46	4.790	Circ	0.225mØ	13.467	224.5	0.600	1.160
1.006	S46	4.790	S47	4.650	Circ	0.225mØ	28.835	206.0	0.600	1.258
8.000	RE183A	5.600	PS755	5.475	Circ	0.1mØ	11.770	94.2	0.600	0.512
8.001	PS755	5.475	PS731	5.300	Circ	0.1mØ	12.689	72.5	0.600	0.631
9.000	RWP184A	5.650	PS731	5.300	Circ	0.1mØ	2.929	8.4	0.600	0.624
8.002	PS731	5.300	PS50	5.200	Circ	0.1mØ	3.722	37.2	0.600	0.840
10.000	DF185	5.300	PS50	5.150	Circ	0.15mØ	13.271	88.5	0.600	0.631
8.003	PS50	5.150	S47	4.725	Circ	0.15mØ	7.689	18.1	0.600	0.912
1.007	S47	4.650	S48	4.505	Circ	0.225mØ	29.175	201.2	0.600	1.256
11.000	RE187A	5.400	PS761	5.275	Circ	0.1mØ	11.275	90.2	0.600	0.491
11.001	PS761	5.275	PS762	5.150	Circ	0.1mØ	12.302	98.4	0.600	0.606
12.000	RWP188A	5.450	PS762	5.150	Circ	0.1mØ	2.868	9.6	0.600	0.599
11.002	PS762	5.150	PS54	5.100	Circ	0.1mØ	4.004	80.1	0.600	0.778
13.000	DF189	5.150	PS54	5.050	Circ	0.15mØ	7.375	73.8	0.600	0.625
14.000	RWP189A	5.350	PS54	5.100	Circ	0.1mØ	3.125	12.5	0.600	0.598
11.003	PS54	5.050	S48	4.580	Circ	0.15mØ	6.818	14.5	0.600	0.830
1.008	S48	4.505	S142	4.435	Circ	0.225mØ	14.929	213.3	0.600	1.202
15.000	RE189A	5.300	PS766	5.175	Circ	0.1mØ	11.670	93.4	0.600	0.496
15.001	PS766	5.175	PS767	5.050	Circ	0.1mØ	12.351	98.8	0.600	0.614
16.000	RWP190A	5.350	PS767	5.050	Circ	0.1mØ	2.954	9.8	0.600	0.599
15.002	PS767	5.050	PS56	4.950	Circ	0.1mØ	3.647	36.5	0.600	0.771
17.000	DF191	5.000	PS56	4.900	Circ	0.15mØ	6.991	69.9	0.600	0.644
18.000	RWP191A	5.225	PS56	4.950	Circ	0.1mØ	3.226	11.7	0.600	0.599
15.003	PS56	4.900	S142	4.510	Circ	0.15mØ	6.761	17.3	0.600	0.868

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)
1.009	S142	4.435	S139	4.350	Circ	0.225mØ	12.596	148.2	0.600	1.178
1.010	S139	4.350	S140	4.200	Circ	0.225mØ	9.005	60.0	0.600	1.125
19.000	RWP248A	5.350	RE248A	5.300	Circ	0.1mØ	0.851	17.0	0.600	0.415
19.001	RE248A	5.300	PS597	5.150	Circ	0.1mØ	7.834	52.2	0.600	0.443
20.000	RE249B	5.300	PS597	5.150	Circ	0.1mØ	7.136	47.6	0.600	0.504
19.002	PS597	5.150	PS596	4.950	Circ	0.1mØ	14.152	70.8	0.600	0.643
21.000	RWP248B	5.350	RE248B	5.300	Circ	0.1mØ	0.570	11.4	0.600	0.414
21.001	RE248B	5.300	PS596	4.950	Circ	0.1mØ	8.478	24.2	0.600	0.489
22.000	RWP249B	5.400	RE249A	5.350	Circ	0.1mØ	0.652	13.0	0.600	0.437
22.001	RE249A	5.350	PS596	4.950	Circ	0.1mØ	7.482	18.7	0.600	0.498
19.003	PS596	4.900	S51	4.655	Circ	0.15mØ	7.205	29.4	0.600	0.951
19.004	S51	4.580	S52	4.450	Circ	0.225mØ	29.123	224.0	0.600	1.157
23.000	RWP250	5.200	RE250A	5.170	Circ	0.1mØ	1.009	33.6	0.600	0.474
23.001	RE250A	5.170	PS603	5.100	Circ	0.1mØ	5.868	83.8	0.600	0.491
23.002	PS603	5.100	PS604	4.950	Circ	0.1mØ	12.632	84.2	0.600	0.661
23.003	PS604	4.950	PS128	4.825	Circ	0.1mØ	10.975	87.8	0.600	0.888
24.000	DF251	5.100	PS128	4.825	Circ	0.1mØ	3.273	11.9	0.600	0.512
23.004	PS128	4.825	PS129	4.725	Circ	0.1mØ	6.391	63.9	0.600	0.941
25.000	RWP251C	5.300	PS129	4.725	Circ	0.1mØ	1.571	2.7	0.600	0.450
23.005	PS129	4.675	S52	4.525	Circ	0.15mØ	6.666	44.4	0.600	1.021
19.005	S52	4.450	S141	4.350	Circ	0.225mØ	14.803	148.0	0.600	1.101
19.006	S141	4.350	S140	4.200	Circ	0.225mØ	10.958	73.1	0.600	1.125
1.011	S140	4.200	S143	4.155	Circ	0.225mØ	8.688	193.1	0.600	1.275
1.012	S143	4.155	S50	4.075	Circ	0.225mØ	13.320	166.5	0.600	1.402
26.000	RWP251B	5.100	RE251A	5.050	Circ	0.1mØ	1.288	25.8	0.600	0.500
26.001	RE251A	5.050	PS606	4.875	Circ	0.1mØ	12.254	70.0	0.600	0.551
27.000	RWP253A	5.000	RE253A	4.975	Circ	0.1mØ	1.239	49.6	0.600	0.494
27.001	RE253A	4.975	PS606	4.875	Circ	0.1mØ	6.890	68.9	0.600	0.462
26.002	PS606	4.875	PS607	4.725	Circ	0.1mØ	12.068	80.5	0.600	0.689
26.003	PS607	4.725	PS608	4.500	Circ	0.1mØ	12.963	57.6	0.600	0.852
28.000	RWP255A	5.000	RE255A	4.950	Circ	0.1mØ	1.310	26.2	0.600	0.450
28.001	RE255A	4.950	PS610	4.850	Circ	0.1mØ	6.306	63.1	0.600	0.479
29.000	ACO254	5.045	PS610	4.850	Circ	0.1mØ	2.518	12.9	0.600	0.450
28.002	PS610	4.850	PS611	4.600	Circ	0.1mØ	13.168	52.7	0.600	0.625
28.003	PS611	4.600	PS608	4.500	Circ	0.1mØ	4.723	47.2	0.600	0.973
26.004	PS608	4.450	S145	4.285	Circ	0.15mØ	6.743	40.9	0.600	1.134
26.005	S145	4.210	S50	4.075	Circ	0.225mØ	18.593	137.7	0.600	1.218
30.000	RE191A	5.125	PS732	5.000	Circ	0.1mØ	11.919	95.4	0.600	0.541
31.000	GY192A	5.100	PS732	4.950	Circ	0.15mØ	2.069	13.8	0.600	0.482
30.001	PS732	4.950	PS733	4.800	Circ	0.15mØ	12.522	83.5	0.600	0.643
32.000	RWP192A	5.225	PS733	4.850	Circ	0.1mØ	3.276	8.7	0.600	0.599
30.002	PS733	4.800	S144	4.391	Circ	0.15mØ	9.574	23.4	0.600	0.877
30.003	S144	4.391	S50	4.150	Circ	0.15mØ	18.199	75.5	0.600	1.183
33.000	RWP255B	5.000	PS131	4.600	Circ	0.1mØ	4.929	12.3	0.600	0.470
34.000	DF255	4.850	PS131	4.600	Circ	0.1mØ	2.882	11.5	0.600	0.524
33.001	PS131	4.550	S50	4.150	Circ	0.15mØ	7.836	19.6	0.600	0.851
1.013	S50	4.000	S30	3.900	Circ	0.3mØ	31.234	312.3	0.600	1.227
35.000	RWP229D	5.000	RE229B	4.950	Circ	0.1mØ	1.298	26.0	0.600	0.524
35.001	RE229B	4.950	PS776	4.850	Circ	0.1mØ	8.653	86.5	0.600	0.554
36.000	RWP229E	5.000	RE229C	4.950	Circ	0.1mØ	0.890	17.8	0.600	0.524
36.001	RE229C	4.950	PS776	4.850	Circ	0.1mØ	7.421	74.2	0.600	0.572
37.000	RWP229C	5.000	PS776	4.850	Circ	0.1mØ	1.370	9.1	0.600	0.526
38.000	ACO229	5.045	PS776	4.850	Circ	0.1mØ	1.006	5.2	0.600	0.450
35.002	PS776	4.850	PS775	4.825	Circ	0.1mØ	2.290	91.6	0.600	0.658
39.000	RWP229F	5.075	PS775	4.825	Circ	0.1mØ	4.465	17.9	0.600	0.448
35.003	PS775	4.825	PS117	4.681	Circ	0.1mØ	12.929	89.9	0.600	0.692
40.000	RWP229B	5.000	RE229A	4.800	Circ	0.1mØ	3.430	17.1	0.600	0.537
40.001	RE229A	4.800	PS117	4.681	Circ	0.1mØ	9.183	77.3	0.600	0.833
41.000	DF229	4.900	PS117	4.631	Circ	0.15mØ	5.649	21.0	0.600	0.519
35.004	PS117	4.631	S147	4.279	Circ	0.15mØ	5.017	14.2	0.600	0.902
35.005	S147	4.279	S29	4.125	Circ	0.15mØ	14.745	95.8	0.600	1.188
42.000	ACO232	4.820	RE232A	4.800	Circ	0.1mØ	2.063	103.2	0.600	0.450
42.001	RE232A	4.800	PS247	4.685	Circ	0.1mØ	11.517	100.1	0.600	0.548
42.002	PS247	4.635	PS105	4.550	Circ	0.15mØ	12.179	143.3	0.600	0.716
43.000	ACO234	4.970	RE234A	4.925	Circ	0.1mØ	2.352	52.3	0.600	0.465
44.000	RWP234A	5.000	RE234A	4.925	Circ	0.1mØ	0.910	12.1	0.600	0.450
43.001	RE234A	4.925	PS245	4.800	Circ	0.1mØ	10.238	81.9	0.600	0.512
45.000	RWP234B	5.000	PS245	4.800	Circ	0.1mØ	0.864	4.3	0.600	0.450

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)
43.002	PS245	4.800	PS105	4.600	Circ	0.1mØ	6.844	34.2	0.600	0.692
46.000	RWP233A	4.850	PS842	4.700	Circ	0.1mØ	6.163	41.1	0.600	0.450
47.000	ACO233	4.820	PS842	4.700	Circ	0.1mØ	2.223	18.5	0.600	0.450
48.000	DF233	4.775	PS842	4.650	Circ	0.15mØ	1.914	15.3	0.600	0.540
49.000	RWP233B	4.850	PS842	4.700	Circ	0.1mØ	1.248	8.3	0.600	0.450
46.001	PS842	4.650	PS105	4.550	Circ	0.15mØ	11.206	112.1	0.600	0.623
42.003	PS105	4.550	S55	4.201	Circ	0.15mØ	4.504	12.9	0.600	0.838
42.004	S55	4.201	S29	4.125	Circ	0.15mØ	10.936	143.5	0.600	1.192
50.000	RWP230C	5.000	RE230A	4.980	Circ	0.1mØ	0.748	37.4	0.600	0.448
50.001	RE230A	4.980	PS835	4.860	Circ	0.1mØ	12.024	100.2	0.600	0.447
51.000	RWP230A	5.000	PS835	4.860	Circ	0.1mØ	0.762	5.4	0.600	0.450
50.002	PS835	4.860	PS738	4.600	Circ	0.1mØ	10.727	41.3	0.600	0.597
50.003	PS738	4.600	PS103	4.400	Circ	0.1mØ	11.406	57.0	0.600	0.873
52.000	ACO231B	4.910	RE231A	4.850	Circ	0.1mØ	1.949	32.5	0.600	0.435
52.001	RE231A	4.850	PS692	4.650	Circ	0.1mØ	10.671	53.4	0.600	0.582
52.002	PS692	4.650	PS693	4.450	Circ	0.1mØ	11.479	57.4	0.600	0.757
53.000	RE231B	5.075	PS836	4.800	Circ	0.1mØ	8.123	29.5	0.600	0.445
54.000	RWP231F	4.900	PS836	4.800	Circ	0.1mØ	5.786	57.9	0.600	0.473
55.000	ACO231	4.910	PS836	4.800	Circ	0.1mØ	1.617	14.7	0.600	0.450
53.001	PS836	4.800	PS693	4.450	Circ	0.1mØ	10.383	29.7	0.600	0.599
52.003	PS693	4.450	PS103	4.400	Circ	0.1mØ	2.257	45.1	0.600	0.990
56.000	PS102	4.750	PS103	4.350	Circ	0.15mØ	3.050	7.6	0.600	0.602
50.004	PS103	4.350	S29	4.125	Circ	0.15mØ	5.530	24.6	0.600	1.079
35.006	S29	3.975	S30	3.900	Circ	0.3mØ	17.547	234.0	0.600	1.249
57.000	RE193B	5.070	PS770	4.800	Circ	0.1mØ	10.287	38.1	0.600	0.442
58.000	RE193A	5.070	PS769	4.950	Circ	0.1mØ	7.318	61.0	0.600	0.483
58.001	PS769	4.950	PS770	4.800	Circ	0.1mØ	1.724	11.5	0.600	0.557
59.000	RWP194A	5.000	PS770	4.800	Circ	0.1mØ	5.588	27.9	0.600	0.450
60.000	RWP193C	5.075	PS770	4.800	Circ	0.1mØ	1.492	5.4	0.600	0.450
61.000	RWP193B	5.075	PS770	4.800	Circ	0.1mØ	1.486	5.4	0.600	0.449
57.001	PS770	4.800	PS695	4.675	Circ	0.1mØ	11.851	94.8	0.600	0.726
62.000	RE193C	5.070	PS695	4.675	Circ	0.1mØ	10.557	26.7	0.600	0.523
57.002	PS695	4.675	PS697	4.200	Circ	0.1mØ	11.461	24.1	0.600	0.885
63.000	RE159C	5.000	PS737	4.900	Circ	0.1mØ	9.726	97.3	0.600	0.511
64.000	RWP194C	5.075	PS737	4.900	Circ	0.1mØ	1.278	7.3	0.600	0.453
65.000	RWP159F	5.075	PS737	4.900	Circ	0.1mØ	1.256	7.2	0.600	0.449
63.001	PS737	4.900	PS699	4.800	Circ	0.1mØ	5.484	54.8	0.600	0.617
66.000	RE194A	5.075	PS801	4.900	Circ	0.1mØ	7.409	42.3	0.600	0.491
67.000	ACO194B	4.970	PS801	4.900	Circ	0.1mØ	1.440	20.6	0.600	0.450
66.001	PS801	4.900	PS699	4.800	Circ	0.1mØ	2.180	21.8	0.600	0.567
68.000	RWP194B	5.000	PS699	4.800	Circ	0.1mØ	1.383	6.9	0.600	0.451
63.002	PS699	4.800	PS696	4.300	Circ	0.1mØ	11.540	23.1	0.600	0.658
69.000	RWP159C	5.300	RE159B	5.250	Circ	0.1mØ	2.124	42.5	0.600	0.328
69.001	RE159B	5.250	PS772	4.975	Circ	0.1mØ	10.583	38.5	0.600	0.517
70.000	RWP159D	5.075	PS772	4.975	Circ	0.1mØ	1.479	14.8	0.600	0.457
69.002	PS772	4.975	PS696	4.300	Circ	0.1mØ	6.346	9.4	0.600	0.610
63.003	PS696	4.300	PS697	4.200	Circ	0.1mØ	5.002	50.0	0.600	1.236
57.003	PS697	4.150	S30	4.050	Circ	0.15mØ	8.072	80.7	0.600	1.350
1.014	S30	3.900	S31	3.835	Circ	0.3mØ	19.659	302.4	0.600	1.134
1.015	S31	3.835	S32	3.795	Circ	0.3mØ	11.865	296.6	0.600	1.359
1.016	S32	3.720	S33	3.620	Circ	0.375mØ	41.351	413.5	0.600	1.546
71.000	RWP160C	5.200	RE160A	5.150	Circ	0.1mØ	3.742	74.8	0.600	0.475
72.000	RWP160F	5.225	RE160A	5.150	Circ	0.1mØ	0.810	10.8	0.600	0.450
71.001	RE160A	5.150	PS704	4.950	Circ	0.1mØ	9.549	47.7	0.600	0.522
71.002	PS704	4.950	PS703	4.750	Circ	0.1mØ	11.984	59.9	0.600	0.693
73.000	RWP161C	5.125	RE161B	5.075	Circ	0.1mØ	2.203	44.1	0.600	0.470
73.001	RE161B	5.075	PS703	4.750	Circ	0.1mØ	13.803	42.5	0.600	0.538
71.003	PS703	4.750	PS702	4.700	Circ	0.1mØ	5.219	104.4	0.600	0.988
74.000	RWP160A	5.200	PS705	5.000	Circ	0.1mØ	3.609	18.0	0.600	0.470
75.000	GY160	5.150	PS705	5.000	Circ	0.1mØ	1.019	6.8	0.600	0.473
74.001	PS705	5.000	PS701	4.800	Circ	0.1mØ	5.336	26.7	0.600	0.632
76.000	RWP160B	5.200	PS701	4.800	Circ	0.1mØ	2.471	6.2	0.600	0.476
74.002	PS701	4.800	PS702	4.700	Circ	0.1mØ	5.488	54.9	0.600	0.916
71.004	PS702	4.650	S33	3.845	Circ	0.15mØ	6.241	7.8	0.600	1.094
1.017	S33	3.620	S34	3.550	Circ	0.375mØ	24.333	347.6	0.600	1.623
77.000	S101	4.663	S40	4.378	Circ	0.225mØ	42.073	147.6	0.600	1.200
77.001	S40	4.378	S41	4.300	Circ	0.225mØ	11.575	148.4	0.600	1.200
78.000	RWP176C	5.225	RE176	5.215	Circ	0.1mØ	0.948	94.8	0.600	0.445

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)
78.001	RE176	5.215	PS413	5.000	Circ	0.1mØ	11.400	53.0	0.600	0.437
78.002	PS413	5.000	PS411	4.525	Circ	0.1mØ	11.910	25.1	0.600	0.770
79.000	GY176	5.090	PS410	4.850	Circ	0.15mØ	11.240	46.8	0.600	0.455
80.000	RWP176A	5.225	PS410	4.900	Circ	0.1mØ	1.491	4.6	0.600	0.464
79.001	PS410	4.850	PS411	4.475	Circ	0.15mØ	12.137	32.4	0.600	0.775
78.003	PS411	4.475	S41	4.375	Circ	0.15mØ	8.006	80.1	0.600	1.211
77.002	S41	4.300	S42	4.185	Circ	0.225mØ	26.136	227.3	0.600	1.208
77.003	S42	4.185	S43	4.075	Circ	0.225mØ	26.642	242.2	0.600	1.081
77.004	S43	3.925	S44	3.775	Circ	0.375mØ	47.122	314.1	0.600	1.012
81.000	DF168	4.450	PS85	4.350	Circ	0.15mØ	2.972	29.7	0.600	0.598
82.000	RWP168C	4.625	PS85	4.400	Circ	0.1mØ	1.743	7.7	0.600	0.451
81.001	PS85	4.350	S44	4.000	Circ	0.15mØ	10.856	31.0	0.600	0.698
77.005	S44	3.775	S35	3.710	Circ	0.375mØ	20.208	310.9	0.600	0.869
83.000	RWP168D	4.625	RE168	4.600	Circ	0.1mØ	1.173	46.9	0.600	0.451
83.001	RE168	4.600	PS773	4.500	Circ	0.1mØ	7.654	76.5	0.600	0.502
84.000	ACO167	4.670	PS773	4.500	Circ	0.1mØ	4.916	28.9	0.600	0.450
85.000	RWP168A	4.625	PS773	4.500	Circ	0.1mØ	1.796	14.4	0.600	0.452
86.000	RWP167C	4.700	PS773	4.500	Circ	0.1mØ	1.753	8.8	0.600	0.450
83.002	PS773	4.450	PS774	4.200	Circ	0.15mØ	14.417	57.7	0.600	0.632
83.003	PS774	4.200	S35	3.935	Circ	0.15mØ	13.583	51.3	0.600	0.931
87.000	ACO165B	4.820	RE165A	4.750	Circ	0.1mØ	2.409	34.4	0.600	0.375
87.001	RE165A	4.750	PS717	4.400	Circ	0.1mØ	13.473	38.5	0.600	0.500
87.002	PS717	4.400	PS718	4.100	Circ	0.1mØ	12.741	42.5	0.600	0.950
88.000	RE166A	4.750	PS719	4.400	Circ	0.1mØ	6.225	17.8	0.600	0.501
89.000	RWP167A	4.700	PS719	4.400	Circ	0.1mØ	2.251	7.5	0.600	0.456
90.000	ACO166	4.820	PS719	4.400	Circ	0.1mØ	1.254	3.0	0.600	0.374
88.001	PS719	4.350	PS718	4.050	Circ	0.15mØ	13.730	45.8	0.600	0.786
87.003	PS718	4.050	S35	3.935	Circ	0.15mØ	6.361	55.3	0.600	1.167
77.006	S35	3.710	S137	3.655	Circ	0.375mØ	16.910	307.4	0.600	1.006
77.007	S137	3.655	S34	3.550	Circ	0.375mØ	29.752	283.3	0.600	1.189
91.000	RWP161D	5.175	RE161A	5.150	Circ	0.1mØ	0.672	26.9	0.600	0.425
91.001	RE161A	5.150	PS709	4.875	Circ	0.1mØ	13.258	48.2	0.600	0.450
92.000	RWP162D	5.050	RE162B	5.000	Circ	0.1mØ	0.901	18.0	0.600	0.398
92.001	RE162B	5.000	PS708	4.900	Circ	0.1mØ	8.889	88.9	0.600	0.441
93.000	RE162A	5.000	PS708	4.900	Circ	0.1mØ	7.634	76.3	0.600	0.460
94.000	RWP162E	5.050	PS708	4.900	Circ	0.1mØ	0.985	6.6	0.600	0.392
92.002	PS708	4.900	PS709	4.875	Circ	0.1mØ	1.609	64.4	0.600	0.538
95.000	RWP162A	5.050	PS709	4.968	Circ	0.1mØ	1.065	13.1	0.600	0.383
91.002	PS709	4.875	PS710	4.400	Circ	0.1mØ	10.147	21.4	0.600	0.558
96.000	ACO162A	4.900	PS710	4.400	Circ	0.1mØ	2.056	4.1	0.600	0.524
97.000	RWP162B	5.050	PS710	4.400	Circ	0.1mØ	1.334	2.1	0.600	0.415
91.003	PS710	4.400	S34	3.825	Circ	0.1mØ	6.500	11.3	0.600	1.122
1.018	S34	3.550	S36	3.525	Circ	0.375mØ	7.922	316.9	0.600	1.523
1.019	S36	3.525	S37	3.425	Circ	0.375mØ	17.213	172.1	0.600	1.100
1.020	S37	3.425	S38	3.400	Circ	0.375mØ	5.770	230.8	0.600	1.200
1.021	S38	3.400	S39	3.330	Circ	0.225mØ	12.896	184.2	0.600	1.325

Outfall Details

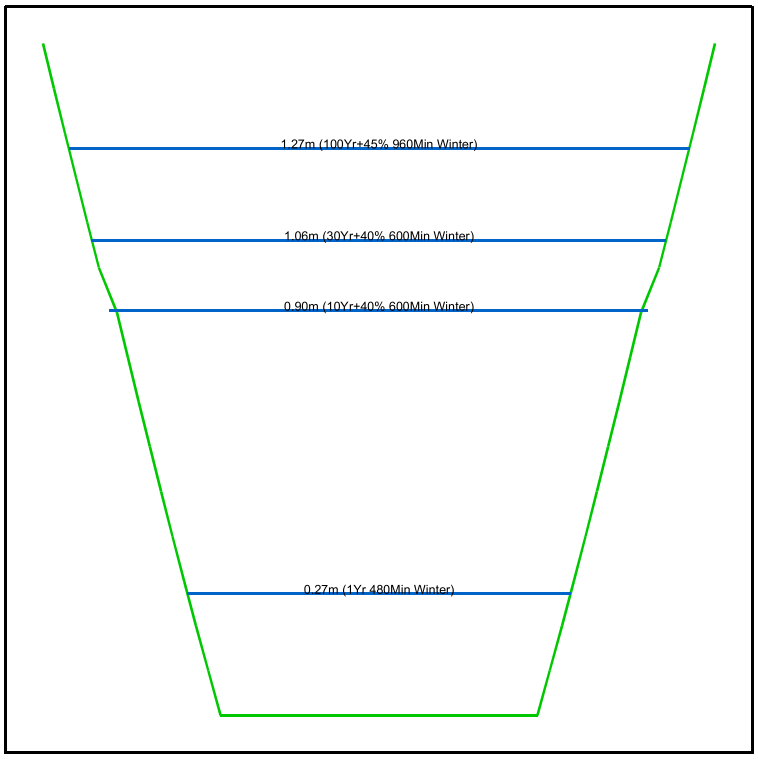
Outfall Manhole S39 : Free Discharge

Flow Control Details

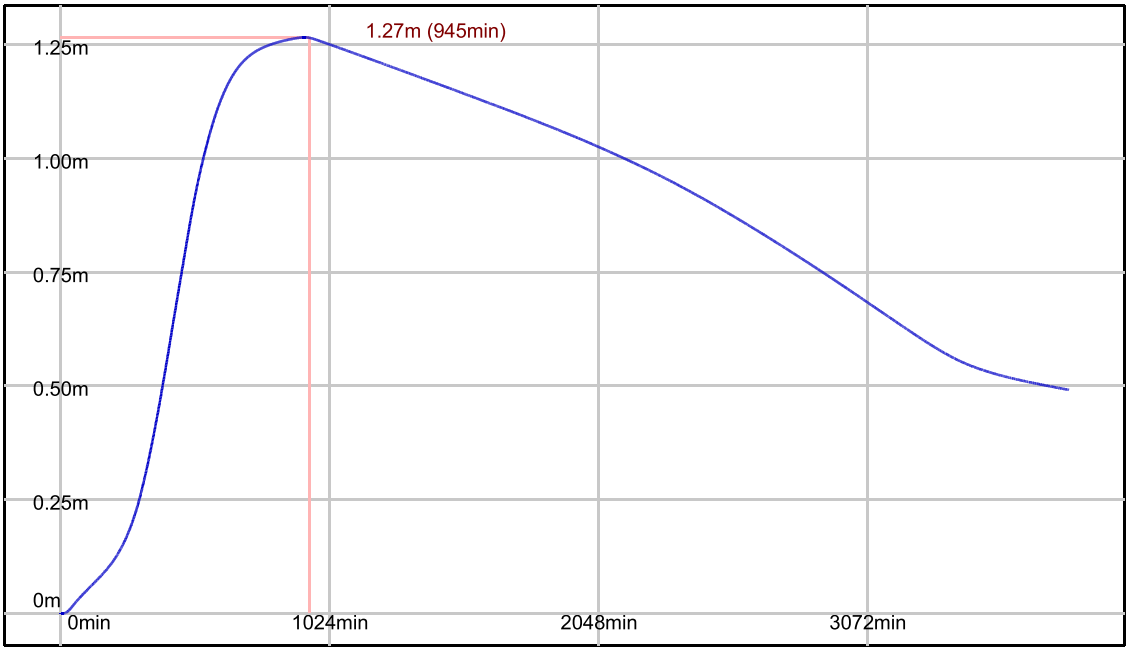
Pond Structure at Manhole S140

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
4.200	1.500	268.283	5.550	0.150	0.00000000	0.00000000	2.00

Pond Depth/Area Diagram at S140



Pond at S140 (100Yr+45% 960Min Winter)

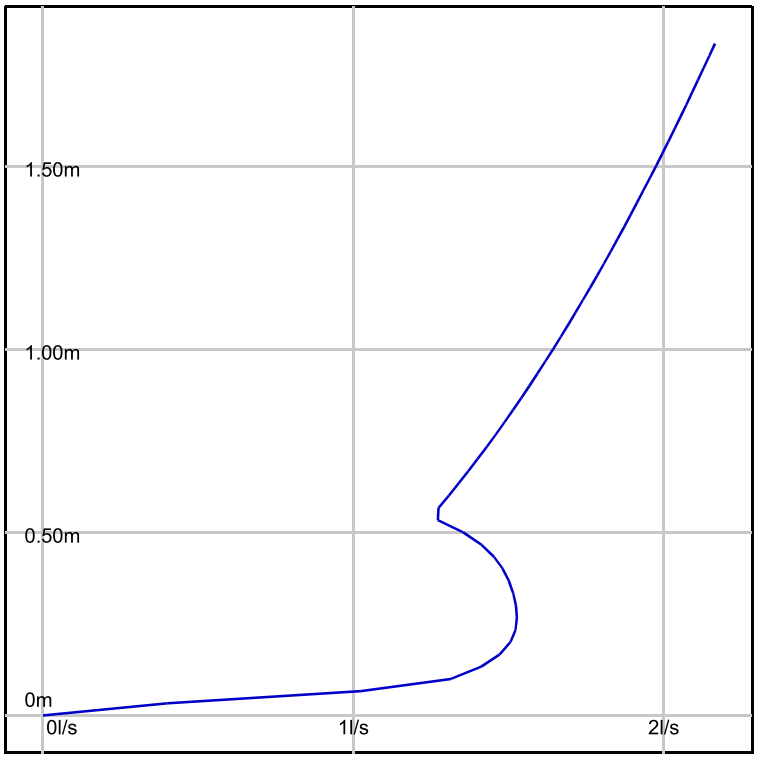


Controls within Manhole S143

Hydro-Brake® Optimum Control at Manhole S143

Model Ref	Design Depth (m)	Design Flow (l/s)	Depth Above Invert (m)	FF Head (m)	FF Flow (l/s)	KF Head (m)	KF Flow (l/s)
SHE-0061-2000-1545-2000	1.545	2.000	0.000	0.268	1.527	0.541	1.248

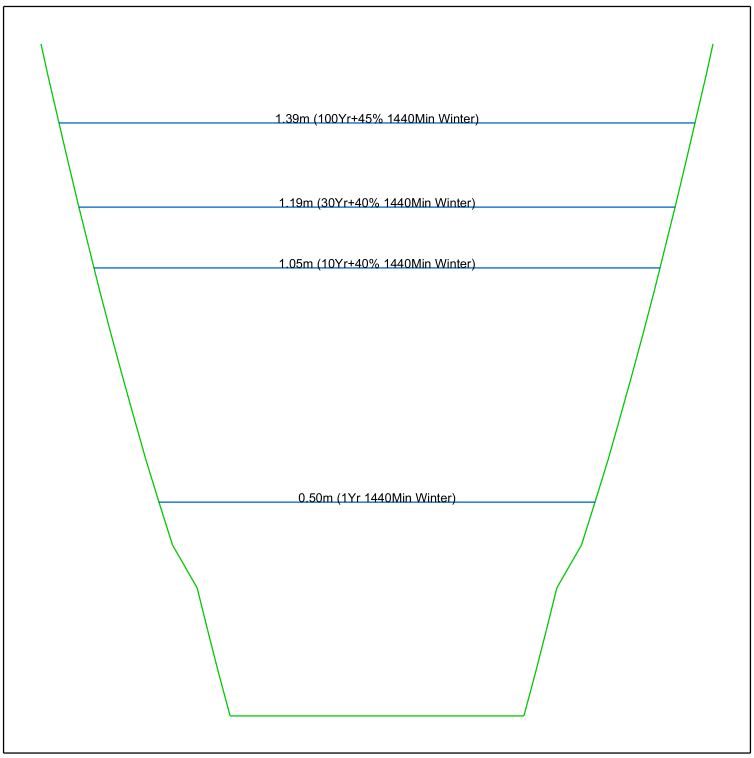
Hydro-Brake® Optimum Control at S143



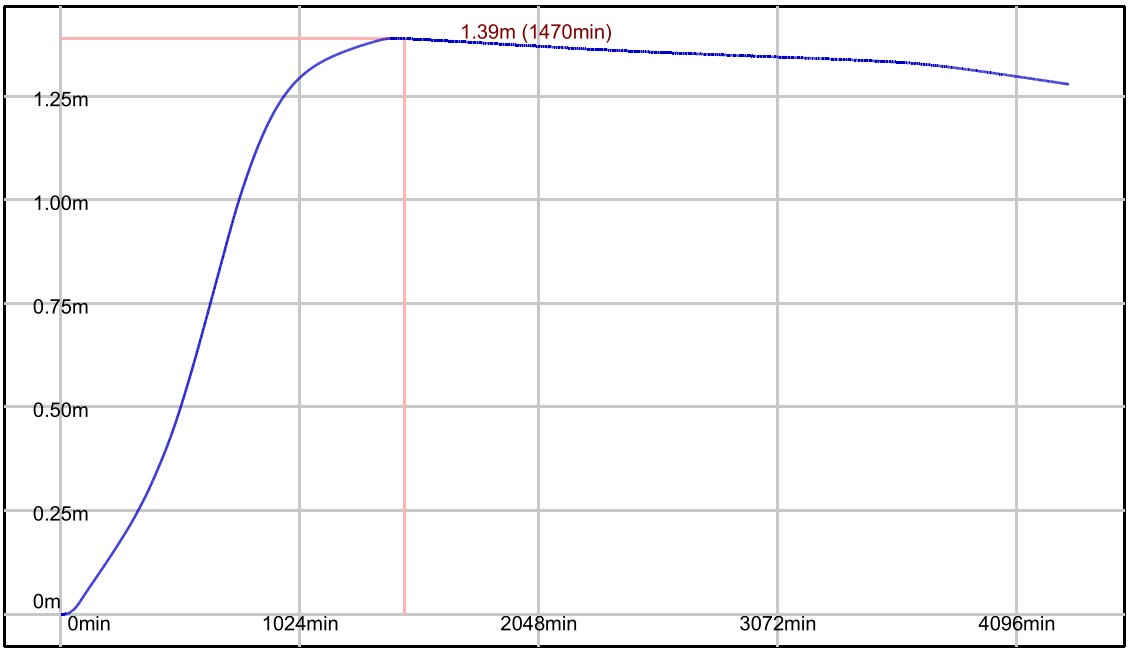
Pond Structure at Manhole S37

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
3.425	1.575	739.191	4.700	0.300	0.00000000	0.00000000	2.00

Pond Depth/Area Diagram at S37



Pond at S37 (100Yr+45% 1440Min Winter)

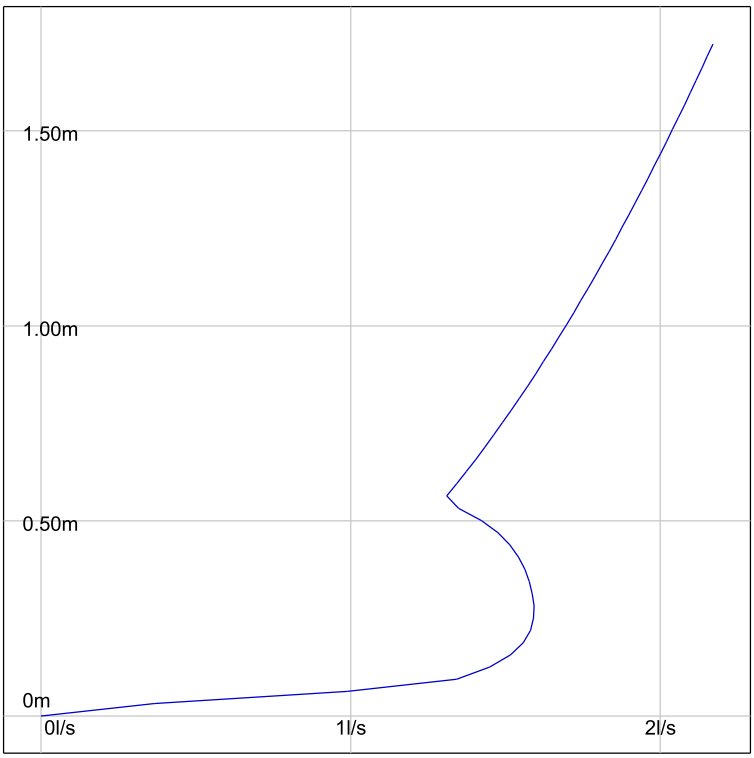


Controls within Manhole S38

Hydro-Brake® Optimum Control at Manhole S38

Model Ref	Design Depth (m)	Design Flow (l/s)	Depth Above Invert (m)	FF Head (m)	FF Flow (l/s)	KF Head (m)	KF Flow (l/s)
SHE-0062-2000-1450-2000	1.450	2.000	0.000	0.270	1.592	0.549	1.296

Hydro-Brake® Optimum Control at S38



Simulation Settings

FEH2022 (point): Filename=FEH_Point_Descriptors_488693_97897_v5_0_1.xml

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

Global Time of Entry: 5.0 mins

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

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

Simulated Rainfall Events

Storm	Average Intensity (mm/hr)	Runoff Continuity %	Flow Continuity %	Storm	Average Intensity (mm/hr)	Runoff Continuity %	Flow Continuity %
1Yr 15Min Winter	16.942	0.00	-0.37	30Yr+40% 15Min Summer	112.863	-0.30	0.56
1Yr 15Min Summer	16.942	0.00	-0.38	30Yr+40% 15Min Winter	112.863	-0.43	0.77
1Yr 30Min Winter	10.755	0.00	-0.26	30Yr+40% 30Min Summer	74.071	0.00	1.38
1Yr 30Min Summer	10.755	0.00	-0.28	30Yr+40% 30Min Winter	74.071	-0.11	1.44
1Yr 60Min Winter	6.786	0.00	-0.10	30Yr+40% 60Min Summer	46.547	0.00	1.90
1Yr 60Min Summer	6.786	0.00	-0.11	30Yr+40% 60Min Winter	46.547	0.00	2.01
1Yr 120Min Summer	5.246	0.00	-0.06	30Yr+40% 120Min Summer	27.731	0.00	2.23
1Yr 120Min Winter	5.246	0.00	-0.07	30Yr+40% 120Min Winter	27.731	0.00	2.35
1Yr 180Min Summer	4.383	0.00	-0.06	30Yr+40% 180Min Summer	20.307	0.00	2.36
1Yr 180Min Winter	4.383	0.00	-0.06	30Yr+40% 180Min Winter	20.307	0.00	2.48
1Yr 240Min Summer	3.631	0.00	-0.05	30Yr+40% 240Min Summer	16.265	0.00	2.39
1Yr 240Min Winter	3.631	0.00	-0.05	30Yr+40% 240Min Winter	16.265	0.00	2.50
1Yr 360Min Summer	2.818	0.00	-0.04	30Yr+40% 360Min Summer	11.803	0.00	2.29
1Yr 360Min Winter	2.818	0.00	-0.04	30Yr+40% 360Min Winter	11.803	0.00	2.42
1Yr 480Min Summer	2.343	0.00	-0.01	30Yr+40% 480Min Summer	9.367	0.00	2.15
1Yr 480Min Winter	2.343	0.00	-0.02	30Yr+40% 480Min Winter	9.367	0.00	2.26
1Yr 600Min Summer	2.004	0.00	0.00	30Yr+40% 600Min Summer	7.810	0.00	2.04
1Yr 600Min Winter	2.004	0.00	0.00	30Yr+40% 600Min Winter	7.810	0.00	2.12
1Yr 720Min Winter	1.752	0.00	0.11	30Yr+40% 720Min Summer	6.721	0.00	1.92
1Yr 720Min Summer	1.752	0.00	0.04	30Yr+40% 720Min Winter	6.721	0.00	2.01
1Yr 960Min Summer	1.420	0.00	0.04	30Yr+40% 960Min Summer	5.302	0.00	1.62
1Yr 960Min Winter	1.420	0.00	0.19	30Yr+40% 960Min Winter	5.302	0.00	1.70
1Yr 1440Min Summer	1.059	0.00	0.04	30Yr+40% 1440Min Summer	3.817	0.00	1.62
1Yr 1440Min Winter	1.059	0.00	0.27	30Yr+40% 1440Min Winter	3.817	0.00	1.75
10Yr+40% 15Min Summer	87.036	0.00	0.22	100Yr+45% 15Min Summer	146.276	-0.54	1.12
10Yr+40% 15Min Winter	87.036	-0.18	0.26	100Yr+45% 15Min Winter	146.276	-0.64	1.43
10Yr+40% 30Min Summer	56.678	0.00	0.69	100Yr+45% 30Min Summer	96.982	-0.26	2.16
10Yr+40% 30Min Winter	56.678	0.00	0.76	100Yr+45% 30Min Winter	96.982	-0.29	2.27
10Yr+40% 60Min Summer	35.401	0.00	1.07	100Yr+45% 60Min Summer	61.530	0.00	2.84
10Yr+40% 60Min Winter	35.401	0.00	1.18	100Yr+45% 60Min Winter	61.530	0.00	2.96
10Yr+40% 120Min Winter	21.745	0.00	1.56	100Yr+45% 120Min Summer	35.946	0.00	3.14
10Yr+40% 120Min Summer	21.745	0.00	1.45	100Yr+45% 120Min Winter	35.946	0.00	3.25
10Yr+40% 180Min Summer	16.178	0.00	1.59	100Yr+45% 180Min Summer	26.053	0.00	3.19
10Yr+40% 180Min Winter	16.178	0.00	1.70	100Yr+45% 180Min Winter	26.053	0.00	3.31
10Yr+40% 240Min Summer	13.001	0.00	1.61	100Yr+45% 240Min Summer	20.923	0.00	3.22
10Yr+40% 240Min Winter	13.001	0.00	1.71	100Yr+45% 240Min Winter	20.923	0.00	3.33
10Yr+40% 360Min Summer	9.488	0.00	1.54	100Yr+45% 360Min Summer	15.176	0.00	3.13
10Yr+40% 360Min Winter	9.488	0.00	1.66	100Yr+45% 360Min Winter	15.176	0.00	3.24
10Yr+40% 480Min Summer	7.563	0.00	1.57	100Yr+45% 480Min Summer	12.028	0.00	2.96
10Yr+40% 480Min Winter	7.563	0.00	1.65	100Yr+45% 480Min Winter	12.028	0.00	3.09
10Yr+40% 600Min Winter	6.323	0.00	1.59	100Yr+45% 600Min Summer	10.033	0.00	2.80
10Yr+40% 600Min Summer	6.323	0.00	1.49	100Yr+45% 600Min Winter	10.033	0.00	2.92
10Yr+40% 720Min Summer	5.451	0.00	1.29	100Yr+45% 720Min Summer	8.641	0.00	2.63
10Yr+40% 720Min Winter	5.451	0.00	1.40	100Yr+45% 720Min Winter	8.641	0.00	2.75
10Yr+40% 960Min Summer	4.313	0.00	0.99	100Yr+45% 960Min Summer	6.827	0.00	2.30
10Yr+40% 960Min Winter	4.313	0.00	1.08	100Yr+45% 960Min Winter	6.827	0.00	2.43
10Yr+40% 1440Min Summer	3.111	0.00	1.09	100Yr+45% 1440Min Winter	4.922	0.00	2.49
10Yr+40% 1440Min Winter	3.111	0.00	1.21	100Yr+45% 1440Min Summer	4.922	0.00	2.36

Simulation Results

Return Period Yrs: 1.0

Climate Change %: 0

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RE180B	15 min Winter	8	5.615	0.015	0.330		OK
RWP180B	-	0	5.650	0.000	0.000		OK
PS753	15 min Winter	9	5.513	0.013	0.319		OK
RWP180C	-	0	5.650	0.000	0.000		OK
PS750	15 min Winter	9	5.314	0.014	0.322		OK
RWP178B	-	0	5.500	0.000	0.000		OK
RE179	15 min Winter	8	5.466	0.016	0.441		OK
PS118	15 min Winter	9	5.315	0.015	0.424		OK
PS119	15 min Winter	9	5.170	0.020	0.747		OK
ACO178	-	0	5.470	0.000	0.000		OK
RWP178A	-	0	5.500	0.000	0.000		OK
RE178	15 min Winter	8	5.443	0.018	0.477		OK
RWP178C	-	0	5.500	0.000	0.000		OK
PS122	15 min Winter	9	5.316	0.016	0.460		OK
PS120	15 min Winter	9	5.122	0.022	1.209		OK
S45	15 min Winter	9	4.897	0.047	3.365		OK
S46	15 min Winter	9	4.857	0.067	7.099		OK
RE183A	-	0	5.600	0.000	0.000		OK
PS755	-	0	5.475	0.000	0.000		OK
RWP184A	-	0	5.650	0.000	0.000		OK
PS731	-	0	5.300	0.000	0.000		OK
DF185	600 min Winter	395	5.307	0.007	0.072		OK
PS50	600 min Winter	395	5.155	0.005	0.072		OK
S47	15 min Winter	9	4.735	0.085	11.519		OK
RE187A	-	0	5.400	0.000	0.000		OK
PS761	-	0	5.275	0.000	0.000		OK
RWP188A	-	0	5.450	0.000	0.000		OK
PS762	-	0	5.150	0.000	0.000		OK
DF189	600 min Winter	392	5.156	0.006	0.063		OK
RWP189A	-	0	5.350	0.000	0.000		OK
PS54	600 min Winter	392	5.054	0.004	0.063		OK
S48	15 min Winter	9	4.606	0.101	15.208		OK
RE189A	-	0	5.300	0.000	0.000		OK
PS766	-	0	5.175	0.000	0.000		OK
RWP190A	-	0	5.350	0.000	0.000		OK
PS767	-	0	5.050	0.000	0.000		OK
DF191	600 min Winter	394	5.007	0.007	0.072		OK
RWP191A	-	0	5.225	0.000	0.000		OK
PS56	600 min Winter	395	4.905	0.005	0.072		OK
S142	15 min Winter	9	4.525	0.090	15.005		OK
S139	480 min Winter	365	4.490	0.140	0.912		OK
RWP248A	-	0	5.350	0.000	0.000		OK
RE248A	-	0	5.300	0.000	0.000		OK
RE249B	-	0	5.300	0.000	0.000		OK
PS597	-	0	5.150	0.000	0.000		OK
RWP248B	-	0	5.350	0.000	0.000		OK
RE248B	-	0	5.300	0.000	0.000		OK
RWP249B	-	0	5.400	0.000	0.000		OK
RE249A	-	0	5.350	0.000	0.000		OK
PS596	-	0	4.900	0.000	0.000		OK
S51	15 min Winter	8	4.650	0.070	7.463		OK
RWP250	-	0	5.200	0.000	0.000		OK
RE250A	-	0	5.170	0.000	0.000		OK
PS603	-	0	5.100	0.000	0.000		OK
PS604	-	0	4.950	0.000	0.000		OK
DF251	600 min Winter	391	5.104	0.004	0.059		OK
PS128	600 min Winter	391	4.831	0.006	0.059		OK
RWP251C	-	0	5.300	0.000	0.000		OK
PS129	600 min Winter	392	4.680	0.005	0.059		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S52	15 min Winter	9	4.513	0.063	7.213		OK
S141	480 min Winter	368	4.476	0.126	0.489		OK
S140	480 min Winter	363	4.471	0.271	6.231		Surcharged
S143	360 min Winter	285	4.472	0.317	1.477		Surcharged
RWP251B	-	0	5.100	0.000	0.000		OK
RE251A	-	0	5.050	0.000	0.000		OK
RWP253A	-	0	5.000	0.000	0.000		OK
RE253A	-	0	4.975	0.000	0.000		OK
PS606	-	0	4.875	0.000	0.000		OK
PS607	-	0	4.725	0.000	0.000		OK
RWP255A	-	0	5.000	0.000	0.000		OK
RE255A	-	0	4.950	0.000	0.000		OK
ACO254	-	0	5.045	0.000	0.000		OK
PS610	-	0	4.850	0.000	0.000		OK
PS611	-	0	4.600	0.000	0.000		OK
PS608	-	0	4.450	0.000	0.000		OK
S145	15 min Winter	8	4.265	0.055	5.931		OK
RE191A	-	0	5.125	0.000	0.000		OK
GY192A	-	0	5.100	0.000	0.000		OK
PS732	-	0	4.950	0.000	0.000		OK
RWP192A	-	0	5.225	0.000	0.000		OK
PS733	-	0	4.800	0.000	0.000		OK
S144	15 min Winter	9	4.420	0.029	1.605		OK
RWP255B	-	0	5.000	0.000	0.000		OK
DF255	600 min Winter	391	4.854	0.004	0.061		OK
PS131	600 min Winter	392	4.554	0.004	0.061		OK
S50	15 min Winter	9	4.090	0.090	12.658		OK
RWP229D	-	0	5.000	0.000	0.000		OK
RE229B	-	0	4.950	0.000	0.000		OK
RWP229E	-	0	5.000	0.000	0.000		OK
RE229C	-	0	4.950	0.000	0.000		OK
RWP229C	-	0	5.000	0.000	0.000		OK
ACO229	-	0	5.045	0.000	0.000		OK
PS776	-	0	4.850	0.000	0.000		OK
RWP229F	-	0	5.075	0.000	0.000		OK
PS775	-	0	4.825	0.000	0.000		OK
RWP229B	-	0	5.000	0.000	0.000		OK
RE229A	-	0	4.800	0.000	0.000		OK
DF229	600 min Winter	394	4.905	0.005	0.070		OK
PS117	600 min Winter	394	4.636	0.004	0.070		OK
S147	15 min Winter	8	4.319	0.040	2.973		OK
ACO232	15 min Winter	9	4.827	0.007	0.000		OK
RE232A	15 min Winter	9	4.827	0.027	0.958		OK
PS247	15 min Winter	9	4.662	0.027	0.958		OK
ACO234	-	0	4.970	0.000	0.000		OK
RWP234A	-	0	5.000	0.000	0.000		OK
RE234A	15 min Winter	8	4.943	0.018	0.429		OK
RWP234B	-	0	5.000	0.000	0.000		OK
PS245	15 min Winter	9	4.814	0.014	0.414		OK
RWP233A	-	0	4.850	0.000	0.000		OK
ACO233	-	0	4.820	0.000	0.000		OK
DF233	600 min Winter	391	4.779	0.004	0.060		OK
RWP233B	-	0	4.850	0.000	0.000		OK
PS842	600 min Winter	392	4.656	0.006	0.060		OK
PS105	15 min Winter	9	4.567	0.017	1.377		OK
S55	15 min Winter	9	4.232	0.030	1.377		OK
RWP230C	-	0	5.000	0.000	0.000		OK
RE230A	15 min Winter	9	4.992	0.012	0.172		OK
RWP230A	-	0	5.000	0.000	0.000		OK
PS835	15 min Winter	9	4.869	0.009	0.177		OK
PS738	15 min Winter	10	4.610	0.010	0.169		OK
ACO231B	-	0	4.910	0.000	0.000		OK
RE231A	-	0	4.850	0.000	0.000		OK
PS692	-	0	4.650	0.000	0.000		OK
RE231B	15 min Winter	8	5.084	0.009	0.183		OK
RWP231F	-	0	4.900	0.000	0.000		OK
ACO231	-	0	4.910	0.000	0.000		OK
PS836	15 min Winter	9	4.809	0.009	0.177		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
PS693	15 min Winter	9	4.460	0.010	0.178		OK
PS102	600 min Winter	389	4.753	0.003	0.053		OK
PS103	15 min Winter	10	4.360	0.010	0.346		OK
S29	15 min Winter	9	4.036	0.061	6.770		OK
RE193B	-	0	5.070	0.000	0.000		OK
RE193A	-	0	5.070	0.000	0.000		OK
PS769	-	0	4.950	0.000	0.000		OK
RWP194A	-	0	5.000	0.000	0.000		OK
RWP193C	-	0	5.075	0.000	0.000		OK
RWP193B	-	0	5.075	0.000	0.000		OK
PS770	-	0	4.800	0.000	0.000		OK
RE193C	-	0	5.070	0.000	0.000		OK
PS695	-	0	4.675	0.000	0.000		OK
RE159C	-	0	5.000	0.000	0.000		OK
RWP194C	-	0	5.075	0.000	0.000		OK
RWP159F	-	0	5.075	0.000	0.000		OK
PS737	-	0	4.900	0.000	0.000		OK
RE194A	-	0	5.075	0.000	0.000		OK
ACO194B	-	0	4.970	0.000	0.000		OK
PS801	-	0	4.900	0.000	0.000		OK
RWP194B	-	0	5.000	0.000	0.000		OK
PS699	-	0	4.800	0.000	0.000		OK
RWP159C	-	0	5.300	0.000	0.000		OK
RE159B	-	0	5.250	0.000	0.000		OK
RWP159D	-	0	5.075	0.000	0.000		OK
PS772	-	0	4.975	0.000	0.000		OK
PS696	-	0	4.300	0.000	0.000		OK
PS697	-	0	4.150	0.000	0.000		OK
S30	15 min Winter	9	4.025	0.125	24.103		OK
S31	15 min Winter	10	3.958	0.123	23.741		OK
S32	1440 min Winter	1360	3.926	0.206	0.987		OK
RWP160C	-	0	5.200	0.000	0.000		OK
RWP160F	-	0	5.225	0.000	0.000		OK
RE160A	-	0	5.150	0.000	0.000		OK
PS704	-	0	4.950	0.000	0.000		OK
RWP161C	-	0	5.125	0.000	0.000		OK
RE161B	-	0	5.075	0.000	0.000		OK
PS703	-	0	4.750	0.000	0.000		OK
RWP160A	-	0	5.200	0.000	0.000		OK
GY160	-	0	5.150	0.000	0.000		OK
PS705	-	0	5.000	0.000	0.000		OK
RWP160B	-	0	5.200	0.000	0.000		OK
PS701	-	0	4.800	0.000	0.000		OK
PS702	-	0	4.650	0.000	0.000		OK
S33	1440 min Winter	1365	3.926	0.306	1.053		OK
S101	15 min Winter	9	4.709	0.046	3.919		OK
S40	15 min Winter	9	4.429	0.051	4.962		OK
RWP176C	-	0	5.225	0.000	0.000		OK
RE176	-	0	5.215	0.000	0.000		OK
PS413	-	0	5.000	0.000	0.000		OK
GY176	-	0	5.090	0.000	0.000		OK
RWP176A	-	0	5.225	0.000	0.000		OK
PS410	-	0	4.850	0.000	0.000		OK
PS411	-	0	4.475	0.000	0.000		OK
S41	15 min Winter	9	4.376	0.076	8.650		OK
S42	15 min Winter	9	4.269	0.084	10.367		OK
S43	15 min Winter	9	4.022	0.097	17.293		OK
DF168	600 min Winter	392	4.455	0.005	0.063		OK
RWP168C	-	0	4.625	0.000	0.000		OK
PS85	600 min Winter	392	4.355	0.005	0.063		OK
S44	1440 min Winter	1362	3.926	0.151	0.219		OK
RWP168D	-	0	4.625	0.000	0.000		OK
RE168	-	0	4.600	0.000	0.000		OK
ACO167	-	0	4.670	0.000	0.000		OK
RWP168A	-	0	4.625	0.000	0.000		OK
RWP167C	-	0	4.700	0.000	0.000		OK
PS773	-	0	4.450	0.000	0.000		OK
PS774	-	0	4.200	0.000	0.000		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
ACO165B	-	0	4.820	0.000	0.000		OK
RE165A	-	0	4.750	0.000	0.000		OK
PS717	-	0	4.400	0.000	0.000		OK
RE166A	-	0	4.750	0.000	0.000		OK
RWP167A	-	0	4.700	0.000	0.000		OK
ACO166	-	0	4.820	0.000	0.000		OK
PS719	-	0	4.350	0.000	0.000		OK
PS718	-	0	4.050	0.000	0.000		OK
S35	1440 min Winter	1361	3.926	0.216	0.266		OK
S137	1440 min Winter	1352	3.926	0.271	0.248		OK
RWP161D	-	0	5.175	0.000	0.000		OK
RE161A	-	0	5.150	0.000	0.000		OK
RWP162D	-	0	5.050	0.000	0.000		OK
RE162B	-	0	5.000	0.000	0.000		OK
RE162A	-	0	5.000	0.000	0.000		OK
RWP162E	-	0	5.050	0.000	0.000		OK
PS708	-	0	4.900	0.000	0.000		OK
RWP162A	-	0	5.050	0.000	0.000		OK
PS709	-	0	4.875	0.000	0.000		OK
ACO162A	-	0	4.900	0.000	0.000		OK
RWP162B	-	0	5.050	0.000	0.000		OK
PS710	-	0	4.400	0.000	0.000		OK
S34	1440 min Winter	1363	3.926	0.376	1.314		Surcharged
S36	1440 min Winter	1363	3.926	0.401	1.411		Surcharged
S37	1440 min Winter	1360	3.926	0.501	1.440		Surcharged
S38	1440 min Winter	1360	3.926	0.526	1.430		Surcharged
S39	240 min Summer	835	3.361	0.031	1.592		Outfall

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
1.000	15 min Winter	9	RE180B	PS753	0.014	0.482	0.319	0.047	OK
2.000	15 min Winter	9	RWP180B	PS753	0.007	0.000	0.000	0.000	OK
1.001	15 min Winter	9	PS753	PS750	0.013	0.528	0.322	0.036	OK
3.000	15 min Winter	9	RWP180C	PS750	0.007	0.000	0.000	0.000	OK
1.002	15 min Winter	9	PS750	PS119	0.014	0.483	0.318	0.041	OK
4.000	15 min Winter	8	RWP178B	RE179	0.008	0.000	0.000	0.000	OK
4.001	15 min Winter	8	RE179	PS118	0.016	0.553	0.431	0.053	OK
4.002	15 min Winter	9	PS118	PS119	0.017	0.429	0.429	0.021	OK
1.003	15 min Winter	9	PS119	PS120	0.021	0.501	0.743	0.038	OK
5.000	15 min Winter	8	ACO178	RE178	0.009	0.000	0.000	0.000	OK
6.000	15 min Winter	8	RWP178A	RE178	0.009	0.000	0.000	0.000	OK
5.001	15 min Winter	9	RE178	PS122	0.017	0.520	0.465	0.071	OK
7.000	15 min Winter	9	RWP178C	PS122	0.008	0.000	0.000	0.000	OK
5.002	15 min Winter	9	PS122	PS120	0.016	0.570	0.466	0.057	OK
1.004	15 min Winter	9	PS120	S45	0.022	0.764	1.205	0.045	OK
1.005	15 min Winter	9	S45	S46	0.057	0.426	3.382	0.098	OK
1.006	15 min Winter	9	S46	S47	0.076	0.601	7.137	0.198	OK
8.000	15 min Winter	0	RE183A	PS755	0.000	0.000	0.000	0.000	OK
8.001	15 min Winter	0	PS755	PS731	0.000	0.000	0.000	0.000	OK
9.000	15 min Winter	0	RWP184A	PS731	0.000	0.000	0.000	0.000	OK
8.002	15 min Winter	0	PS731	PS50	0.000	0.000	0.000	0.000	OK
10.000	600 min Winter	395	DF185	PS50	0.006	0.314	0.072	0.004	OK
8.003	15 min Winter	9	PS50	S47	0.005	0.000	0.000	0.000	OK
1.007	15 min Winter	9	S47	S48	0.093	0.735	11.438	0.314	OK
11.000	15 min Winter	0	RE187A	PS761	0.000	0.000	0.000	0.000	OK
11.001	15 min Winter	0	PS761	PS762	0.000	0.000	0.000	0.000	OK
12.000	15 min Winter	0	RWP188A	PS762	0.000	0.000	0.000	0.000	OK
11.002	15 min Winter	0	PS762	PS54	0.000	0.000	0.000	0.000	OK
13.000	600 min Winter	392	DF189	PS54	0.005	0.322	0.063	0.003	OK
14.000	15 min Winter	0	RWP189A	PS54	0.000	0.000	0.000	0.000	OK
11.003	15 min Winter	9	PS54	S48	0.013	0.000	0.000	0.000	OK
1.008	15 min Winter	9	S48	S142	0.096	0.931	15.005	0.424	OK
15.000	15 min Winter	0	RE189A	PS766	0.000	0.000	0.000	0.000	OK
15.001	15 min Winter	0	PS766	PS767	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
16.000	15 min Winter	0	RWP190A	PS767	0.000	0.000	0.000	0.000	OK
15.002	15 min Winter	0	PS767	PS56	0.000	0.000	0.000	0.000	OK
17.000	600 min Winter	395	DF191	PS56	0.006	0.334	0.072	0.003	OK
18.000	15 min Winter	0	RWP191A	PS56	0.000	0.000	0.000	0.000	OK
15.003	15 min Winter	9	PS56	S142	0.008	0.000	0.000	0.000	OK
1.009	480 min Winter	365	S142	S139	0.086	0.714	2.927	0.069	OK
1.010	480 min Winter	365	S139	S140	0.182	0.672	11.103	0.165	OK
19.000	15 min Winter	0	RWP248A	RE248A	0.000	0.000	0.000	0.000	OK
19.001	15 min Winter	0	RE248A	PS597	0.000	0.000	0.000	0.000	OK
20.000	15 min Winter	0	RE249B	PS597	0.000	0.000	0.000	0.000	OK
19.002	15 min Winter	0	PS597	PS596	0.000	0.000	0.000	0.000	OK
21.000	15 min Winter	0	RWP248B	RE248B	0.000	0.000	0.000	0.000	OK
21.001	15 min Winter	0	RE248B	PS596	0.000	0.000	0.000	0.000	OK
22.000	15 min Winter	0	RWP249B	RE249A	0.000	0.000	0.000	0.000	OK
22.001	15 min Winter	0	RE249A	PS596	0.000	0.000	0.000	0.000	OK
19.003	15 min Winter	0	PS596	S51	0.000	0.000	0.000	0.000	OK
19.004	15 min Winter	8	S51	S52	0.066	0.752	7.303	0.212	OK
23.000	15 min Winter	0	RWP250	RE250A	0.000	0.000	0.000	0.000	OK
23.001	15 min Winter	0	RE250A	PS603	0.000	0.000	0.000	0.000	OK
23.002	15 min Winter	0	PS603	PS604	0.000	0.000	0.000	0.000	OK
23.003	600 min Winter	391	PS604	PS128	0.003	0.000	0.000	0.000	OK
24.000	600 min Winter	391	DF251	PS128	0.005	0.371	0.059	0.003	OK
23.004	600 min Winter	392	PS128	PS129	0.006	0.287	0.059	0.008	OK
25.000	15 min Winter	0	RWP251C	PS129	0.000	0.000	0.000	0.000	OK
23.005	600 min Winter	392	PS129	S52	0.005	0.307	0.059	0.002	OK
19.005	480 min Winter	368	S52	S141	0.073	0.547	1.353	0.032	OK
19.006	480 min Winter	368	S141	S140	0.175	0.515	5.572	0.092	OK
1.011	480 min Summer	272	S140	S143	0.225	0.205	4.908	0.132	OK
1.012	360 min Summer	312	S143	S50	0.030	0.492	1.527	0.038	OK
26.000	15 min Winter	0	RWP251B	RE251A	0.000	0.000	0.000	0.000	OK
26.001	15 min Winter	0	RE251A	PS606	0.000	0.000	0.000	0.000	OK
27.000	15 min Winter	0	RWP253A	RE253A	0.000	0.000	0.000	0.000	OK
27.001	15 min Winter	0	RE253A	PS606	0.000	0.000	0.000	0.000	OK
26.002	15 min Winter	0	PS606	PS607	0.000	0.000	0.000	0.000	OK
26.003	15 min Winter	0	PS607	PS608	0.000	0.000	0.000	0.000	OK
28.000	15 min Winter	0	RWP255A	RE255A	0.000	0.000	0.000	0.000	OK
28.001	15 min Winter	0	RE255A	PS610	0.000	0.000	0.000	0.000	OK
29.000	15 min Winter	0	ACO254	PS610	0.000	0.000	0.000	0.000	OK
28.002	15 min Winter	0	PS610	PS611	0.000	0.000	0.000	0.000	OK
28.003	15 min Winter	0	PS611	PS608	0.000	0.000	0.000	0.000	OK
26.004	15 min Winter	0	PS608	S145	0.000	0.000	0.000	0.000	OK
26.005	15 min Winter	8	S145	S50	0.054	0.780	5.774	0.131	OK
30.000	15 min Winter	0	RE191A	PS732	0.000	0.000	0.000	0.000	OK
31.000	15 min Winter	0	GY192A	PS732	0.000	0.000	0.000	0.000	OK
30.001	15 min Winter	0	PS732	PS733	0.000	0.000	0.000	0.000	OK
32.000	15 min Winter	0	RWP192A	PS733	0.000	0.000	0.000	0.000	OK
30.002	15 min Winter	9	PS733	S144	0.014	0.000	0.000	0.000	OK
30.003	15 min Winter	9	S144	S50	0.029	0.700	1.646	0.081	OK
33.000	15 min Winter	0	RWP255B	PS131	0.000	0.000	0.000	0.000	OK
34.000	600 min Winter	391	DF255	PS131	0.004	0.528	0.061	0.003	OK
33.001	600 min Winter	392	PS131	S50	0.004	0.414	0.061	0.002	OK
1.013	15 min Winter	9	S50	S30	0.107	0.553	12.552	0.201	OK
35.000	15 min Winter	0	RWP229D	RE229B	0.000	0.000	0.000	0.000	OK
35.001	15 min Winter	0	RE229B	PS776	0.000	0.000	0.000	0.000	OK
36.000	15 min Winter	0	RWP229E	RE229C	0.000	0.000	0.000	0.000	OK
36.001	15 min Winter	0	RE229C	PS776	0.000	0.000	0.000	0.000	OK
37.000	15 min Winter	0	RWP229C	PS776	0.000	0.000	0.000	0.000	OK
38.000	15 min Winter	0	ACO229	PS776	0.000	0.000	0.000	0.000	OK
35.002	15 min Winter	0	PS776	PS775	0.000	0.000	0.000	0.000	OK
39.000	15 min Winter	0	RWP229F	PS775	0.000	0.000	0.000	0.000	OK
35.003	15 min Winter	0	PS775	PS117	0.000	0.000	0.000	0.000	OK
40.000	15 min Winter	0	RWP229B	RE229A	0.000	0.000	0.000	0.000	OK
40.001	15 min Winter	0	RE229A	PS117	0.000	0.000	0.000	0.000	OK
41.000	600 min Winter	394	DF229	PS117	0.005	0.443	0.070	0.002	OK
35.004	15 min Winter	8	PS117	S147	0.020	0.000	0.000	0.000	OK
35.005	15 min Winter	8	S147	S29	0.040	0.757	2.880	0.159	OK
42.000	15 min Winter	10	ACO232	RE232A	0.017	0.047	0.036	0.006	OK
42.001	15 min Winter	9	RE232A	PS247	0.027	0.565	0.958	0.159	OK

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
42.002	15 min Winter	9	PS247	PS105	0.022	0.596	0.958	0.065	OK
43.000	15 min Winter	8	ACO234	RE234A	0.009	0.000	0.000	0.000	OK
44.000	15 min Winter	8	RWP234A	RE234A	0.009	0.000	0.000	0.000	OK
43.001	15 min Winter	9	RE234A	PS245	0.016	0.538	0.418	0.063	OK
45.000	15 min Winter	9	RWP234B	PS245	0.007	0.000	0.000	0.000	OK
43.002	15 min Winter	9	PS245	PS105	0.014	0.648	0.419	0.040	OK
46.000	15 min Winter	0	RWP233A	PS842	0.000	0.000	0.000	0.000	OK
47.000	15 min Winter	0	ACO233	PS842	0.000	0.000	0.000	0.000	OK
48.000	600 min Winter	391	DF233	PS842	0.005	0.305	0.060	0.001	OK
49.000	15 min Winter	0	RWP233B	PS842	0.000	0.000	0.000	0.000	OK
46.001	15 min Winter	9	PS842	PS105	0.009	0.000	0.000	0.000	OK
42.003	15 min Winter	9	PS105	S55	0.024	0.884	1.377	0.028	OK
42.004	15 min Winter	10	S55	S29	0.030	0.527	1.353	0.092	OK
50.000	15 min Winter	9	RWP230C	RE230A	0.006	0.000	0.000	0.000	OK
50.001	15 min Winter	9	RE230A	PS835	0.011	0.386	0.177	0.029	OK
51.000	15 min Winter	9	RWP230A	PS835	0.005	0.000	0.000	0.000	OK
50.002	15 min Winter	9	PS835	PS738	0.010	0.507	0.177	0.019	OK
50.003	15 min Winter	10	PS738	PS103	0.010	0.417	0.173	0.022	OK
52.000	15 min Winter	0	ACO231B	RE231A	0.000	0.000	0.000	0.000	OK
52.001	15 min Winter	0	RE231A	PS692	0.000	0.000	0.000	0.000	OK
52.002	15 min Winter	9	PS692	PS693	0.005	0.000	0.000	0.000	OK
53.000	15 min Winter	9	RE231B	PS836	0.009	0.530	0.177	0.016	OK
54.000	15 min Winter	9	RWP231F	PS836	0.004	0.000	0.000	0.000	OK
55.000	15 min Winter	9	ACO231	PS836	0.004	0.000	0.000	0.000	OK
53.001	15 min Winter	9	PS836	PS693	0.009	0.560	0.178	0.016	OK
52.003	15 min Winter	9	PS693	PS103	0.010	0.452	0.173	0.019	OK
56.000	15 min Winter	10	PS102	PS103	0.005	0.010	0.002	0.000	OK
50.004	15 min Winter	10	PS103	S29	0.010	0.648	0.348	0.010	OK
35.006	15 min Winter	9	S29	S30	0.093	0.363	6.783	0.094	OK
57.000	15 min Winter	0	RE193B	PS770	0.000	0.000	0.000	0.000	OK
58.000	15 min Winter	0	RE193A	PS769	0.000	0.000	0.000	0.000	OK
58.001	15 min Winter	0	PS769	PS770	0.000	0.000	0.000	0.000	OK
59.000	15 min Winter	0	RWP194A	PS770	0.000	0.000	0.000	0.000	OK
60.000	15 min Winter	0	RWP193C	PS770	0.000	0.000	0.000	0.000	OK
61.000	15 min Winter	0	RWP193B	PS770	0.000	0.000	0.000	0.000	OK
57.001	15 min Winter	0	PS770	PS695	0.000	0.000	0.000	0.000	OK
62.000	15 min Winter	0	RE193C	PS695	0.000	0.000	0.000	0.000	OK
57.002	15 min Winter	0	PS695	PS697	0.000	0.000	0.000	0.000	OK
63.000	15 min Winter	0	RE159C	PS737	0.000	0.000	0.000	0.000	OK
64.000	15 min Winter	0	RWP194C	PS737	0.000	0.000	0.000	0.000	OK
65.000	15 min Winter	0	RWP159F	PS737	0.000	0.000	0.000	0.000	OK
63.001	15 min Winter	0	PS737	PS699	0.000	0.000	0.000	0.000	OK
66.000	15 min Winter	0	RE194A	PS801	0.000	0.000	0.000	0.000	OK
67.000	15 min Winter	0	ACO194B	PS801	0.000	0.000	0.000	0.000	OK
66.001	15 min Winter	0	PS801	PS699	0.000	0.000	0.000	0.000	OK
68.000	15 min Winter	0	RWP194B	PS699	0.000	0.000	0.000	0.000	OK
63.002	15 min Winter	0	PS699	PS696	0.000	0.000	0.000	0.000	OK
69.000	15 min Winter	0	RWP159C	RE159B	0.000	0.000	0.000	0.000	OK
69.001	15 min Winter	0	RE159B	PS772	0.000	0.000	0.000	0.000	OK
70.000	15 min Winter	0	RWP159D	PS772	0.000	0.000	0.000	0.000	OK
69.002	15 min Winter	0	PS772	PS696	0.000	0.000	0.000	0.000	OK
63.003	15 min Winter	0	PS696	PS697	0.000	0.000	0.000	0.000	OK
57.003	15 min Winter	0	PS697	S30	0.000	0.000	0.000	0.000	OK
1.014	15 min Winter	9	S30	S31	0.124	0.860	23.693	0.374	OK
1.015	15 min Winter	10	S31	S32	0.121	0.914	24.392	0.381	OK
1.016	1440 min Winter	1359	S32	S33	0.256	0.417	3.928	0.040	OK
71.000	15 min Winter	0	RWP160C	RE160A	0.000	0.000	0.000	0.000	OK
72.000	15 min Winter	0	RWP160F	RE160A	0.000	0.000	0.000	0.000	OK
71.001	15 min Winter	0	RE160A	PS704	0.000	0.000	0.000	0.000	OK
71.002	15 min Winter	0	PS704	PS703	0.000	0.000	0.000	0.000	OK
73.000	15 min Winter	0	RWP161C	RE161B	0.000	0.000	0.000	0.000	OK
73.001	15 min Winter	0	RE161B	PS703	0.000	0.000	0.000	0.000	OK
71.003	15 min Winter	0	PS703	PS702	0.000	0.000	0.000	0.000	OK
74.000	15 min Winter	0	RWP160A	PS705	0.000	0.000	0.000	0.000	OK
75.000	15 min Winter	0	GY160	PS705	0.000	0.000	0.000	0.000	OK
74.001	15 min Winter	0	PS705	PS701	0.000	0.000	0.000	0.000	OK
76.000	15 min Winter	0	RWP160B	PS701	0.000	0.000	0.000	0.000	OK
74.002	15 min Winter	0	PS701	PS702	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
71.004	1440 min Winter	1365	PS702	S33	0.040	0.000	0.000	0.000	OK
1.017	1440 min Winter	1869	S33	S34	0.340	0.401	4.495	0.042	OK
77.000	15 min Winter	9	S101	S40	0.049	0.644	4.011	0.094	OK
77.001	15 min Winter	9	S40	S41	0.064	0.537	4.969	0.117	OK
78.000	15 min Winter	0	RWP176C	RE176	0.000	0.000	0.000	0.000	OK
78.001	15 min Winter	0	RE176	PS413	0.000	0.000	0.000	0.000	OK
78.002	15 min Winter	0	PS413	PS411	0.000	0.000	0.000	0.000	OK
79.000	15 min Winter	0	GY176	PS410	0.000	0.000	0.000	0.000	OK
80.000	15 min Winter	0	RWP176A	PS410	0.000	0.000	0.000	0.000	OK
79.001	15 min Winter	0	PS410	PS411	0.000	0.000	0.000	0.000	OK
78.003	15 min Winter	9	PS411	S41	0.001	0.000	0.000	0.000	OK
77.002	15 min Winter	9	S41	S42	0.080	0.687	8.652	0.253	OK
77.003	15 min Winter	10	S42	S43	0.083	0.760	10.068	0.304	OK
77.004	15 min Winter	9	S43	S44	0.099	0.736	17.125	0.153	OK
81.000	600 min Winter	392	DF168	PS85	0.005	0.359	0.063	0.002	OK
82.000	15 min Winter	0	RWP168C	PS85	0.000	0.000	0.000	0.000	OK
81.001	600 min Winter	392	PS85	S44	0.005	0.356	0.063	0.002	OK
77.005	1440 min Winter	1870	S44	S35	0.183	0.364	2.609	0.023	OK
83.000	15 min Winter	0	RWP168D	RE168	0.000	0.000	0.000	0.000	OK
83.001	15 min Winter	0	RE168	PS773	0.000	0.000	0.000	0.000	OK
84.000	15 min Winter	0	ACO167	PS773	0.000	0.000	0.000	0.000	OK
85.000	15 min Winter	0	RWP168A	PS773	0.000	0.000	0.000	0.000	OK
86.000	15 min Winter	0	RWP167C	PS773	0.000	0.000	0.000	0.000	OK
83.002	15 min Winter	0	PS773	PS774	0.000	0.000	0.000	0.000	OK
83.003	15 min Winter	0	PS774	S35	0.000	0.000	0.000	0.000	OK
87.000	15 min Winter	0	ACO165B	RE165A	0.000	0.000	0.000	0.000	OK
87.001	15 min Winter	0	RE165A	PS717	0.000	0.000	0.000	0.000	OK
87.002	15 min Winter	0	PS717	PS718	0.000	0.000	0.000	0.000	OK
88.000	15 min Winter	0	RE166A	PS719	0.000	0.000	0.000	0.000	OK
89.000	15 min Winter	0	RWP167A	PS719	0.000	0.000	0.000	0.000	OK
90.000	15 min Winter	0	ACO166	PS719	0.000	0.000	0.000	0.000	OK
88.001	15 min Winter	0	PS719	PS718	0.000	0.000	0.000	0.000	OK
87.003	15 min Winter	0	PS718	S35	0.000	0.000	0.000	0.000	OK
77.006	1440 min Winter	1870	S35	S137	0.243	0.398	3.002	0.026	OK
77.007	1440 min Winter	1875	S137	S34	0.323	0.220	3.870	0.033	OK
91.000	15 min Winter	0	RWP161D	RE161A	0.000	0.000	0.000	0.000	OK
91.001	15 min Winter	0	RE161A	PS709	0.000	0.000	0.000	0.000	OK
92.000	15 min Winter	0	RWP162D	RE162B	0.000	0.000	0.000	0.000	OK
92.001	15 min Winter	0	RE162B	PS708	0.000	0.000	0.000	0.000	OK
93.000	15 min Winter	0	RE162A	PS708	0.000	0.000	0.000	0.000	OK
94.000	15 min Winter	0	RWP162E	PS708	0.000	0.000	0.000	0.000	OK
92.002	15 min Winter	0	PS708	PS709	0.000	0.000	0.000	0.000	OK
95.000	15 min Winter	0	RWP162A	PS709	0.000	0.000	0.000	0.000	OK
91.002	15 min Winter	0	PS709	PS710	0.000	0.000	0.000	0.000	OK
96.000	15 min Winter	0	ACO162A	PS710	0.000	0.000	0.000	0.000	OK
97.000	15 min Winter	0	RWP162B	PS710	0.000	0.000	0.000	0.000	OK
91.003	1440 min Winter	1308	PS710	S34	0.050	0.000	0.000	0.000	OK
1.018	1440 min Winter	1869	S34	S36	0.375	0.544	6.456	0.058	Surcharged
1.019	1440 min Summer	1252	S36	S37	0.375	0.679	9.912	0.065	Surcharged
1.020	1440 min Winter	2394	S37	S38	0.375	0.108	6.254	0.048	Surcharged
1.021	240 min Summer	835	S38	S39	0.031	0.482	1.592	0.042	OK

Return Period Yrs: 10.0

Climate Change %: 40

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RE180B	15 min Winter	8	5.634	0.034	1.695		OK
RWP180B	-	0	5.650	0.000	0.000		OK
PS753	15 min Winter	8	5.529	0.029	1.674		OK
RWP180C	-	0	5.650	0.000	0.000		OK
PS750	15 min Winter	9	5.331	0.031	1.634		OK
RWP178B	-	0	5.500	0.000	0.000		OK
RE179	15 min Winter	8	5.486	0.036	2.268		OK
PS118	15 min Winter	8	5.333	0.033	2.246		OK
PS119	15 min Winter	10	5.261	0.111	3.372		OK
ACO178	-	0	5.470	0.000	0.000		OK
RWP178A	-	0	5.500	0.000	0.000		OK
RE178	15 min Winter	8	5.468	0.043	2.451		OK
RWP178C	-	0	5.500	0.000	0.000		OK
PS122	15 min Winter	8	5.337	0.037	2.423		OK
PS120	15 min Winter	10	5.254	0.154	3.927		Surcharged
S45	15 min Winter	10	5.248	0.398	14.396		Surcharged
S46	15 min Winter	10	5.242	0.452	28.818		Surcharged
RE183A	-	0	5.600	0.000	0.000		OK
PS755	-	0	5.475	0.000	0.000		OK
RWP184A	-	0	5.650	0.000	0.000		OK
PS731	-	0	5.300	0.000	0.000		OK
DF185	120 min Winter	87	5.318	0.018	0.520		OK
PS50	120 min Winter	87	5.162	0.012	0.520		OK
S47	15 min Winter	10	5.158	0.508	46.737		Surcharged
RE187A	-	0	5.400	0.000	0.000		OK
PS761	-	0	5.275	0.000	0.000		OK
RWP188A	-	0	5.450	0.000	0.000		OK
PS762	-	0	5.150	0.000	0.000		OK
DF189	120 min Summer	79	5.167	0.017	0.501		OK
RWP189A	-	0	5.350	0.000	0.000		OK
PS54	600 min Winter	578	5.104	0.054	0.045		OK
S48	600 min Winter	577	5.104	0.599	0.856		Surcharged
RE189A	-	0	5.300	0.000	0.000		OK
PS766	-	0	5.175	0.000	0.000		OK
RWP190A	-	0	5.350	0.000	0.000		OK
PS767	600 min Winter	578	5.104	0.054	0.000		OK
DF191	600 min Winter	578	5.104	0.104	0.053		OK
RWP191A	-	0	5.225	0.000	0.000		OK
PS56	600 min Winter	578	5.104	0.204	0.054		Surcharged
S142	600 min Winter	577	5.104	0.669	0.907		Surcharged
S139	600 min Winter	577	5.104	0.754	0.906		Surcharged
RWP248A	-	0	5.350	0.000	0.000		OK
RE248A	-	0	5.300	0.000	0.000		OK
RE249B	-	0	5.300	0.000	0.000		OK
PS597	-	0	5.150	0.000	0.000		OK
RWP248B	-	0	5.350	0.000	0.000		OK
RE248B	-	0	5.300	0.000	0.000		OK
RWP249B	-	0	5.400	0.000	0.000		OK
RE249A	-	0	5.350	0.000	0.000		OK
PS596	600 min Winter	578	5.104	0.204	0.000		Surcharged
S51	600 min Winter	577	5.104	0.524	0.344		Surcharged
RWP250	-	0	5.200	0.000	0.000		OK
RE250A	-	0	5.170	0.000	0.000		OK
PS603	600 min Winter	577	5.104	0.004	0.000		OK
PS604	600 min Winter	576	5.104	0.154	0.000		Surcharged
DF251	120 min Summer	78	5.111	0.011	0.493		OK
PS128	600 min Winter	579	5.104	0.279	0.043		Surcharged
RWP251C	-	0	5.300	0.000	0.000		OK
PS129	600 min Winter	579	5.104	0.429	0.037		Surcharged
S52	600 min Winter	579	5.104	0.654	0.374		Surcharged
S141	600 min Winter	579	5.104	0.754	0.376		Surcharged
S140	600 min Winter	577	5.104	0.904	1.448		Surcharged
S143	600 min Winter	577	5.103	0.948	1.416		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RWP251B	-	0	5.100	0.000	0.000		OK
RE251A	-	0	5.050	0.000	0.000		OK
RWP253A	-	0	5.000	0.000	0.000		OK
RE253A	-	0	4.975	0.000	0.000		OK
PS606	-	0	4.875	0.000	0.000		OK
PS607	-	0	4.725	0.000	0.000		OK
RWP255A	-	0	5.000	0.000	0.000		OK
RE255A	-	0	4.950	0.000	0.000		OK
ACO254	-	0	5.045	0.000	0.000		OK
PS610	-	0	4.850	0.000	0.000		OK
PS611	-	0	4.600	0.000	0.000		OK
PS608	15 min Winter	11	4.541	0.091	0.000		OK
S145	15 min Winter	11	4.541	0.331	19.143		Surcharged
RE191A	-	0	5.125	0.000	0.000		OK
GY192A	-	0	5.100	0.000	0.000		OK
PS732	-	0	4.950	0.000	0.000		OK
RWP192A	-	0	5.225	0.000	0.000		OK
PS733	-	0	4.800	0.000	0.000		OK
S144	15 min Winter	11	4.536	0.145	5.254		OK
RWP255B	-	0	5.000	0.000	0.000		OK
DF255	120 min Summer	79	4.861	0.011	0.498		OK
PS131	120 min Summer	79	4.562	0.012	0.498		OK
S50	15 min Winter	11	4.516	0.516	40.620		Surcharged
RWP229D	-	0	5.000	0.000	0.000		OK
RE229B	-	0	4.950	0.000	0.000		OK
RWP229E	-	0	5.000	0.000	0.000		OK
RE229C	-	0	4.950	0.000	0.000		OK
RWP229C	-	0	5.000	0.000	0.000		OK
ACO229	-	0	5.045	0.000	0.000		OK
PS776	-	0	4.850	0.000	0.000		OK
RWP229F	-	0	5.075	0.000	0.000		OK
PS775	-	0	4.825	0.000	0.000		OK
RWP229B	-	0	5.000	0.000	0.000		OK
RE229A	-	0	4.800	0.000	0.000		OK
DF229	120 min Winter	87	4.912	0.012	0.516		OK
PS117	120 min Winter	87	4.642	0.011	0.516		OK
S147	15 min Winter	10	4.534	0.256	11.927		Surcharged
ACO232	15 min Winter	8	4.870	0.050	0.066		OK
RE232A	15 min Winter	8	4.870	0.070	5.189		OK
PS247	15 min Winter	8	4.696	0.061	5.050		OK
ACO234	-	0	4.970	0.000	0.000		OK
RWP234A	-	0	5.000	0.000	0.000		OK
RE234A	15 min Winter	8	4.965	0.040	2.206		OK
RWP234B	-	0	5.000	0.000	0.000		OK
PS245	15 min Winter	8	4.831	0.031	2.181		OK
RWP233A	-	0	4.850	0.000	0.000		OK
ACO233	-	0	4.820	0.000	0.000		OK
DF233	120 min Summer	79	4.786	0.011	0.495		OK
RWP233B	-	0	4.850	0.000	0.000		OK
PS842	60 min Winter	62	4.668	0.018	0.456		OK
PS105	15 min Winter	9	4.588	0.038	7.155		OK
S55	15 min Winter	11	4.494	0.293	5.203		Surcharged
RWP230C	15 min Winter	9	5.007	0.007	0.000		OK
RE230A	15 min Winter	9	5.007	0.027	0.899		OK
RWP230A	-	0	5.000	0.000	0.000		OK
PS835	15 min Winter	9	4.881	0.021	0.905		OK
PS738	15 min Winter	9	4.623	0.023	0.904		OK
ACO231B	-	0	4.910	0.000	0.000		OK
RE231A	-	0	4.850	0.000	0.000		OK
PS692	-	0	4.650	0.000	0.000		OK
RE231B	15 min Winter	8	5.095	0.020	0.944		OK
RWP231F	-	0	4.900	0.000	0.000		OK
ACO231	-	0	4.910	0.000	0.000		OK
PS836	15 min Winter	8	4.819	0.019	0.933		OK
PS693	15 min Winter	11	4.479	0.029	0.645		OK
PS102	120 min Summer	77	4.759	0.009	0.482		OK
PS103	15 min Winter	11	4.480	0.130	1.475		OK
S29	15 min Winter	11	4.485	0.510	25.111		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RE193B	-	0	5.070	0.000	0.000		OK
RE193A	-	0	5.070	0.000	0.000		OK
PS769	-	0	4.950	0.000	0.000		OK
RWP194A	-	0	5.000	0.000	0.000		OK
RWP193C	-	0	5.075	0.000	0.000		OK
RWP193B	-	0	5.075	0.000	0.000		OK
PS770	-	0	4.800	0.000	0.000		OK
RE193C	-	0	5.070	0.000	0.000		OK
PS695	-	0	4.675	0.000	0.000		OK
RE159C	-	0	5.000	0.000	0.000		OK
RWP194C	-	0	5.075	0.000	0.000		OK
RWP159F	-	0	5.075	0.000	0.000		OK
PS737	-	0	4.900	0.000	0.000		OK
RE194A	-	0	5.075	0.000	0.000		OK
ACO194B	-	0	4.970	0.000	0.000		OK
PS801	-	0	4.900	0.000	0.000		OK
RWP194B	-	0	5.000	0.000	0.000		OK
PS699	-	0	4.800	0.000	0.000		OK
RWP159C	-	0	5.300	0.000	0.000		OK
RE159B	-	0	5.250	0.000	0.000		OK
RWP159D	-	0	5.075	0.000	0.000		OK
PS772	-	0	4.975	0.000	0.000		OK
PS696	1440 min Winter	1421	4.475	0.175	0.002		Surcharged
PS697	1440 min Winter	1421	4.475	0.325	0.008		Surcharged
S30	1440 min Winter	1427	4.475	0.575	1.435		Surcharged
S31	1440 min Winter	1428	4.475	0.640	1.462		Surcharged
S32	1440 min Winter	1429	4.475	0.755	1.483		Surcharged
RWP160C	-	0	5.200	0.000	0.000		OK
RWP160F	-	0	5.225	0.000	0.000		OK
RE160A	-	0	5.150	0.000	0.000		OK
PS704	-	0	4.950	0.000	0.000		OK
RWP161C	-	0	5.125	0.000	0.000		OK
RE161B	-	0	5.075	0.000	0.000		OK
PS703	-	0	4.750	0.000	0.000		OK
RWP160A	-	0	5.200	0.000	0.000		OK
GY160	-	0	5.150	0.000	0.000		OK
PS705	-	0	5.000	0.000	0.000		OK
RWP160B	-	0	5.200	0.000	0.000		OK
PS701	-	0	4.800	0.000	0.000		OK
PS702	-	0	4.650	0.000	0.000		OK
S33	1440 min Winter	1429	4.475	0.855	1.497		Surcharged
S101	15 min Winter	8	4.773	0.110	21.405		OK
S40	15 min Winter	10	4.616	0.238	21.782		Surcharged
RWP176C	-	0	5.225	0.000	0.000		OK
RE176	-	0	5.215	0.000	0.000		OK
PS413	-	0	5.000	0.000	0.000		OK
GY176	-	0	5.090	0.000	0.000		OK
RWP176A	-	0	5.225	0.000	0.000		OK
PS410	-	0	4.850	0.000	0.000		OK
PS411	15 min Winter	10	4.599	0.124	0.000		OK
S41	15 min Winter	10	4.596	0.296	38.354		Surcharged
S42	1440 min Winter	1428	4.475	0.290	0.053		Surcharged
S43	1440 min Winter	1430	4.475	0.550	0.081		Surcharged
DF168	1440 min Winter	1424	4.475	0.025	0.017		OK
RWP168C	-	0	4.625	0.000	0.000		OK
PS85	1440 min Winter	1424	4.475	0.125	0.012		OK
S44	1440 min Winter	1426	4.475	0.700	0.147		Surcharged
RWP168D	-	0	4.625	0.000	0.000		OK
RE168	-	0	4.600	0.000	0.000		OK
ACO167	-	0	4.670	0.000	0.000		OK
RWP168A	-	0	4.625	0.000	0.000		OK
RWP167C	-	0	4.700	0.000	0.000		OK
PS773	1440 min Winter	1424	4.475	0.025	0.003		OK
PS774	1440 min Winter	1424	4.475	0.275	0.030		Surcharged
ACO165B	-	0	4.820	0.000	0.000		OK
RE165A	-	0	4.750	0.000	0.000		OK
PS717	1440 min Winter	1425	4.475	0.075	0.017		OK
RE166A	-	0	4.750	0.000	0.000		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RWP167A	-	0	4.700	0.000	0.000		OK
ACO166	-	0	4.820	0.000	0.000		OK
PS719	1440 min Winter	1434	4.475	0.125	0.009		OK
PS718	1440 min Winter	1425	4.475	0.425	0.021		Surcharged
S35	1440 min Winter	1422	4.475	0.765	0.247		Surcharged
S137	1440 min Winter	1426	4.475	0.820	0.194		Surcharged
RWP161D	-	0	5.175	0.000	0.000		OK
RE161A	-	0	5.150	0.000	0.000		OK
RWP162D	-	0	5.050	0.000	0.000		OK
RE162B	-	0	5.000	0.000	0.000		OK
RE162A	-	0	5.000	0.000	0.000		OK
RWP162E	-	0	5.050	0.000	0.000		OK
PS708	-	0	4.900	0.000	0.000		OK
RWP162A	-	0	5.050	0.000	0.000		OK
PS709	-	0	4.875	0.000	0.000		OK
ACO162A	-	0	4.900	0.000	0.000		OK
RWP162B	-	0	5.050	0.000	0.000		OK
PS710	1440 min Winter	1431	4.475	0.075	0.010		OK
S34	1440 min Winter	1426	4.475	0.925	1.749		Surcharged
S36	1440 min Winter	1426	4.475	0.950	1.777		Surcharged
S37	1440 min Winter	1428	4.475	1.050	1.755		Surcharged
S38	1440 min Winter	1428	4.475	1.075	1.727		Surcharged
S39	1440 min Winter	1428	3.362	0.032	1.727		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	8	RE180B	PS753	0.032	0.780	1.674	0.248	OK
2.000	15 min Winter	8	RWP180B	PS753	0.015	0.000	0.000	0.000	OK
1.001	15 min Winter	8	PS753	PS750	0.030	0.825	1.654	0.187	OK
3.000	15 min Winter	9	RWP180C	PS750	0.016	0.000	0.000	0.000	OK
1.002	15 min Winter	10	PS750	PS119	0.045	0.782	1.654	0.216	OK
4.000	15 min Winter	8	RWP178B	RE179	0.018	0.000	0.000	0.000	OK
4.001	15 min Winter	8	RE179	PS118	0.036	0.891	2.246	0.274	OK
4.002	15 min Winter	10	PS118	PS119	0.071	0.603	2.224	0.111	OK
1.003	15 min Winter	11	PS119	PS120	0.130	0.805	3.871	0.198	OK
5.000	15 min Winter	8	ACO178	RE178	0.021	0.000	0.000	0.000	OK
6.000	15 min Winter	8	RWP178A	RE178	0.021	0.000	0.000	0.000	OK
5.001	15 min Winter	8	RE178	PS122	0.040	0.835	2.423	0.370	OK
7.000	15 min Winter	8	RWP178C	PS122	0.018	0.000	0.000	0.000	OK
5.002	15 min Winter	10	PS122	PS120	0.067	0.911	2.391	0.290	OK
1.004	15 min Winter	12	PS120	S45	0.150	1.173	6.998	0.264	Surcharged
1.005	15 min Winter	12	S45	S46	0.225	0.593	14.166	0.411	OK
1.006	15 min Winter	10	S46	S47	0.225	0.813	28.056	0.779	OK
8.000	15 min Summer	0	RE183A	PS755	0.000	0.000	0.000	0.000	OK
8.001	15 min Summer	0	PS755	PS731	0.000	0.000	0.000	0.000	OK
9.000	15 min Summer	0	RWP184A	PS731	0.000	0.000	0.000	0.000	OK
8.002	15 min Summer	0	PS731	PS50	0.000	0.000	0.000	0.000	OK
10.000	120 min Winter	87	DF185	PS50	0.015	0.573	0.520	0.028	OK
8.003	120 min Winter	87	PS50	S47	0.081	0.131	0.520	0.012	OK
1.007	15 min Winter	9	S47	S48	0.225	1.141	45.361	1.245	OK
11.000	15 min Summer	0	RE187A	PS761	0.000	0.000	0.000	0.000	OK
11.001	15 min Summer	0	PS761	PS762	0.000	0.000	0.000	0.000	OK
12.000	15 min Summer	0	RWP188A	PS762	0.000	0.000	0.000	0.000	OK
11.002	600 min Winter	578	PS762	PS54	0.002	0.000	0.000	0.000	OK
13.000	600 min Winter	576	DF189	PS54	0.029	0.520	0.301	0.015	OK
14.000	600 min Winter	578	RWP189A	PS54	0.002	0.000	0.000	0.000	OK
11.003	600 min Winter	578	PS54	S48	0.102	0.651	0.301	0.006	OK
1.008	15 min Winter	9	S48	S142	0.225	1.545	61.416	1.736	OK
15.000	15 min Summer	0	RE189A	PS766	0.000	0.000	0.000	0.000	OK
15.001	600 min Winter	578	PS766	PS767	0.027	0.000	0.000	0.000	OK
16.000	600 min Winter	578	RWP190A	PS767	0.027	0.000	0.000	0.000	OK
15.002	600 min Winter	739	PS767	PS56	0.077	0.002	0.007	0.001	OK
17.000	600 min Winter	578	DF191	PS56	0.127	0.536	0.344	0.016	OK
18.000	240 min Winter	217	RWP191A	PS56	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
15.003	360 min Summer	325	PS56	S142	0.150	0.477	0.475	0.011	Surcharged
1.009	15 min Winter	10	S142	S139	0.225	1.619	59.504	1.398	OK
1.010	15 min Winter	10	S139	S140	0.225	2.195	58.197	0.866	OK
19.000	15 min Summer	0	RWP248A	RE248A	0.000	0.000	0.000	0.000	OK
19.001	15 min Summer	0	RE248A	PS597	0.000	0.000	0.000	0.000	OK
20.000	15 min Summer	0	RE249B	PS597	0.000	0.000	0.000	0.000	OK
19.002	240 min Winter	218	PS597	PS596	0.050	0.000	0.000	0.000	OK
21.000	15 min Summer	0	RWP248B	RE248B	0.000	0.000	0.000	0.000	OK
21.001	240 min Winter	218	RE248B	PS596	0.050	0.000	0.000	0.000	OK
22.000	15 min Summer	0	RWP249B	RE249A	0.000	0.000	0.000	0.000	OK
22.001	240 min Winter	218	RE249A	PS596	0.050	0.000	0.000	0.000	OK
19.003	360 min Summer	607	PS596	S51	0.150	0.005	0.074	0.002	Surcharged
19.004	60 min Winter	42	S51	S52	0.225	0.984	19.769	0.573	OK
23.000	15 min Summer	0	RWP250	RE250A	0.000	0.000	0.000	0.000	OK
23.001	600 min Winter	577	RE250A	PS603	0.002	0.000	0.000	0.000	OK
23.002	600 min Winter	588	PS603	PS604	0.052	0.002	0.010	0.002	OK
23.003	480 min Winter	924	PS604	PS128	0.100	0.013	0.056	0.009	Surcharged
24.000	120 min Winter	91	DF251	PS128	0.056	0.700	0.487	0.028	OK
23.004	120 min Summer	101	PS128	PS129	0.100	0.485	0.485	0.064	Surcharged
25.000	60 min Summer	50	RWP251C	PS129	0.050	0.000	0.000	0.000	OK
23.005	120 min Summer	125	PS129	S52	0.150	0.028	0.494	0.018	Surcharged
19.005	30 min Winter	20	S52	S141	0.225	1.305	29.673	0.697	OK
19.006	15 min Winter	12	S141	S140	0.225	1.642	36.446	0.599	OK
1.011	30 min Summer	15	S140	S143	0.225	0.445	8.016	0.215	OK
1.012	15 min Winter	14	S143	S50	0.225	0.481	4.420	0.110	OK
26.000	15 min Summer	0	RWP251B	RE251A	0.000	0.000	0.000	0.000	OK
26.001	15 min Summer	0	RE251A	PS606	0.000	0.000	0.000	0.000	OK
27.000	15 min Summer	0	RWP253A	RE253A	0.000	0.000	0.000	0.000	OK
27.001	15 min Summer	0	RE253A	PS606	0.000	0.000	0.000	0.000	OK
26.002	15 min Summer	0	PS606	PS607	0.000	0.000	0.000	0.000	OK
26.003	15 min Winter	11	PS607	PS608	0.020	0.000	0.000	0.000	OK
28.000	15 min Summer	0	RWP255A	RE255A	0.000	0.000	0.000	0.000	OK
28.001	15 min Summer	0	RE255A	PS610	0.000	0.000	0.000	0.000	OK
29.000	15 min Summer	0	ACO254	PS610	0.000	0.000	0.000	0.000	OK
28.002	15 min Summer	0	PS610	PS611	0.000	0.000	0.000	0.000	OK
28.003	15 min Winter	11	PS611	PS608	0.020	0.000	0.000	0.000	OK
26.004	15 min Winter	12	PS608	S145	0.120	0.112	1.342	0.048	OK
26.005	15 min Winter	9	S145	S50	0.225	1.088	27.941	0.633	OK
30.000	15 min Summer	0	RE191A	PS732	0.000	0.000	0.000	0.000	OK
31.000	15 min Summer	0	GY192A	PS732	0.000	0.000	0.000	0.000	OK
30.001	15 min Summer	0	PS732	PS733	0.000	0.000	0.000	0.000	OK
32.000	15 min Summer	0	RWP192A	PS733	0.000	0.000	0.000	0.000	OK
30.002	15 min Winter	11	PS733	S144	0.073	0.000	0.000	0.000	OK
30.003	15 min Winter	11	S144	S50	0.148	1.011	8.627	0.422	OK
33.000	15 min Summer	0	RWP255B	PS131	0.000	0.000	0.000	0.000	OK
34.000	120 min Summer	79	DF255	PS131	0.011	0.999	0.498	0.028	OK
33.001	480 min Winter	352	PS131	S50	0.079	0.696	0.338	0.008	OK
1.013	15 min Winter	9	S50	S30	0.300	0.731	46.475	0.745	Surcharged
35.000	15 min Summer	0	RWP229D	RE229B	0.000	0.000	0.000	0.000	OK
35.001	15 min Summer	0	RE229B	PS776	0.000	0.000	0.000	0.000	OK
36.000	15 min Summer	0	RWP229E	RE229C	0.000	0.000	0.000	0.000	OK
36.001	15 min Summer	0	RE229C	PS776	0.000	0.000	0.000	0.000	OK
37.000	15 min Summer	0	RWP229C	PS776	0.000	0.000	0.000	0.000	OK
38.000	15 min Summer	0	ACO229	PS776	0.000	0.000	0.000	0.000	OK
35.002	15 min Summer	0	PS776	PS775	0.000	0.000	0.000	0.000	OK
39.000	15 min Summer	0	RWP229F	PS775	0.000	0.000	0.000	0.000	OK
35.003	15 min Summer	0	PS775	PS117	0.000	0.000	0.000	0.000	OK
40.000	15 min Summer	0	RWP229B	RE229A	0.000	0.000	0.000	0.000	OK
40.001	15 min Summer	0	RE229A	PS117	0.000	0.000	0.000	0.000	OK
41.000	120 min Winter	87	DF229	PS117	0.012	0.816	0.516	0.013	OK
35.004	1440 min Winter	1112	PS117	S147	0.077	0.207	0.179	0.004	OK
35.005	30 min Summer	17	S147	S29	0.150	1.098	13.988	0.772	Surcharged
42.000	15 min Winter	12	ACO232	RE232A	0.060	0.109	0.189	0.032	OK
42.001	15 min Winter	8	RE232A	PS247	0.070	0.866	5.050	0.839	OK
42.002	15 min Winter	9	PS247	PS105	0.049	0.992	5.032	0.341	OK
43.000	15 min Winter	8	ACO234	RE234A	0.020	0.000	0.000	0.000	OK
44.000	15 min Winter	8	RWP234A	RE234A	0.020	0.000	0.000	0.000	OK
43.001	15 min Winter	8	RE234A	PS245	0.036	0.870	2.181	0.327	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
45.000	15 min Winter	8	RWP234B	PS245	0.015	0.000	0.000	0.000	OK
43.002	15 min Winter	8	PS245	PS105	0.031	1.044	2.158	0.208	OK
46.000	15 min Summer	0	RWP233A	PS842	0.000	0.000	0.000	0.000	OK
47.000	15 min Summer	0	ACO233	PS842	0.000	0.000	0.000	0.000	OK
48.000	60 min Winter	52	DF233	PS842	0.014	0.574	0.491	0.011	OK
49.000	15 min Summer	0	RWP233B	PS842	0.000	0.000	0.000	0.000	OK
46.001	120 min Summer	78	PS842	PS105	0.020	0.469	0.494	0.030	OK
42.003	15 min Winter	9	PS105	S55	0.094	1.181	7.190	0.144	OK
42.004	15 min Winter	14	S55	S29	0.150	0.725	6.708	0.454	Surcharged
50.000	15 min Winter	11	RWP230C	RE230A	0.017	0.039	0.024	0.002	OK
50.001	15 min Winter	9	RE230A	PS835	0.024	0.630	0.905	0.150	OK
51.000	15 min Winter	9	RWP230A	PS835	0.010	0.000	0.000	0.000	OK
50.002	15 min Winter	9	PS835	PS738	0.022	0.720	0.904	0.096	OK
50.003	15 min Winter	11	PS738	PS103	0.050	0.661	0.898	0.112	OK
52.000	15 min Summer	0	ACO231B	RE231A	0.000	0.000	0.000	0.000	OK
52.001	15 min Summer	0	RE231A	PS692	0.000	0.000	0.000	0.000	OK
52.002	15 min Winter	11	PS692	PS693	0.014	0.000	0.000	0.000	OK
53.000	15 min Winter	8	RE231B	PS836	0.019	0.867	0.933	0.083	OK
54.000	15 min Winter	8	RWP231F	PS836	0.010	0.000	0.000	0.000	OK
55.000	15 min Winter	8	ACO231	PS836	0.010	0.000	0.000	0.000	OK
53.001	15 min Winter	11	PS836	PS693	0.023	0.801	0.920	0.082	OK
52.003	15 min Winter	11	PS693	PS103	0.054	0.737	0.921	0.102	OK
56.000	15 min Winter	26	PS102	PS103	0.065	0.727	0.287	0.004	OK
50.004	15 min Winter	12	PS103	S29	0.140	0.775	2.496	0.069	OK
35.006	15 min Winter	11	S29	S30	0.300	0.421	26.362	0.365	Surcharged
57.000	15 min Summer	0	RE193B	PS770	0.000	0.000	0.000	0.000	OK
58.000	15 min Summer	0	RE193A	PS769	0.000	0.000	0.000	0.000	OK
58.001	15 min Summer	0	PS769	PS770	0.000	0.000	0.000	0.000	OK
59.000	15 min Summer	0	RWP194A	PS770	0.000	0.000	0.000	0.000	OK
60.000	15 min Summer	0	RWP193C	PS770	0.000	0.000	0.000	0.000	OK
61.000	15 min Summer	0	RWP193B	PS770	0.000	0.000	0.000	0.000	OK
57.001	15 min Summer	0	PS770	PS695	0.000	0.000	0.000	0.000	OK
62.000	15 min Summer	0	RE193C	PS695	0.000	0.000	0.000	0.000	OK
57.002	15 min Summer	9	PS695	PS697	0.050	0.000	0.000	0.000	OK
63.000	15 min Summer	0	RE159C	PS737	0.000	0.000	0.000	0.000	OK
64.000	15 min Summer	0	RWP194C	PS737	0.000	0.000	0.000	0.000	OK
65.000	15 min Summer	0	RWP159F	PS737	0.000	0.000	0.000	0.000	OK
63.001	15 min Summer	0	PS737	PS699	0.000	0.000	0.000	0.000	OK
66.000	15 min Summer	0	RE194A	PS801	0.000	0.000	0.000	0.000	OK
67.000	15 min Summer	0	ACO194B	PS801	0.000	0.000	0.000	0.000	OK
66.001	15 min Summer	0	PS801	PS699	0.000	0.000	0.000	0.000	OK
68.000	15 min Summer	0	RWP194B	PS699	0.000	0.000	0.000	0.000	OK
63.002	15 min Winter	9	PS699	PS696	0.050	0.000	0.000	0.000	OK
69.000	15 min Summer	0	RWP159C	RE159B	0.000	0.000	0.000	0.000	OK
69.001	15 min Summer	0	RE159B	PS772	0.000	0.000	0.000	0.000	OK
70.000	15 min Summer	0	RWP159D	PS772	0.000	0.000	0.000	0.000	OK
69.002	15 min Winter	9	PS772	PS696	0.050	0.000	0.000	0.000	OK
63.003	30 min Summer	21	PS696	PS697	0.100	0.356	2.082	0.243	Surcharged
57.003	30 min Summer	21	PS697	S30	0.150	0.230	3.577	0.181	Surcharged
1.014	15 min Winter	11	S30	S31	0.300	1.224	86.529	1.364	Surcharged
1.015	15 min Winter	11	S31	S32	0.300	1.269	89.672	1.400	Surcharged
1.016	15 min Winter	11	S32	S33	0.375	0.942	104.006	1.066	Surcharged
71.000	15 min Summer	0	RWP160C	RE160A	0.000	0.000	0.000	0.000	OK
72.000	15 min Summer	0	RWP160F	RE160A	0.000	0.000	0.000	0.000	OK
71.001	15 min Summer	0	RE160A	PS704	0.000	0.000	0.000	0.000	OK
71.002	15 min Summer	0	PS704	PS703	0.000	0.000	0.000	0.000	OK
73.000	15 min Summer	0	RWP161C	RE161B	0.000	0.000	0.000	0.000	OK
73.001	15 min Summer	0	RE161B	PS703	0.000	0.000	0.000	0.000	OK
71.003	15 min Summer	0	PS703	PS702	0.000	0.000	0.000	0.000	OK
74.000	15 min Summer	0	RWP160A	PS705	0.000	0.000	0.000	0.000	OK
75.000	15 min Summer	0	GY160	PS705	0.000	0.000	0.000	0.000	OK
74.001	15 min Summer	0	PS705	PS701	0.000	0.000	0.000	0.000	OK
76.000	15 min Summer	0	RWP160B	PS701	0.000	0.000	0.000	0.000	OK
74.002	15 min Summer	0	PS701	PS702	0.000	0.000	0.000	0.000	OK
71.004	15 min Summer	8	PS702	S33	0.075	0.000	0.000	0.000	OK
1.017	15 min Winter	10	S33	S34	0.375	1.248	137.877	1.294	Surcharged
77.000	15 min Winter	9	S101	S40	0.165	0.948	20.965	0.492	OK
77.001	15 min Winter	10	S40	S41	0.225	0.704	22.656	0.533	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
78.000	15 min Summer	0	RWP176C	RE176	0.000	0.000	0.000	0.000	OK
78.001	15 min Summer	0	RE176	PS413	0.000	0.000	0.000	0.000	OK
78.002	15 min Winter	10	PS413	PS411	0.037	0.000	0.000	0.000	OK
79.000	15 min Summer	0	GY176	PS410	0.000	0.000	0.000	0.000	OK
80.000	15 min Summer	0	RWP176A	PS410	0.000	0.000	0.000	0.000	OK
79.001	15 min Winter	10	PS410	PS411	0.062	0.000	0.000	0.000	OK
78.003	15 min Winter	12	PS411	S41	0.137	0.135	1.608	0.081	OK
77.002	15 min Winter	10	S41	S42	0.225	0.969	38.544	1.125	OK
77.003	1440 min Summer	1170	S42	S43	0.225	0.586	4.073	0.123	OK
77.004	480 min Summer	387	S43	S44	0.375	0.618	16.213	0.145	Surcharged
81.000	1440 min Winter	1424	DF168	PS85	0.075	0.477	0.161	0.005	OK
82.000	1440 min Winter	1424	RWP168C	PS85	0.038	0.000	0.000	0.000	OK
81.001	1440 min Winter	2181	PS85	S44	0.138	0.453	0.208	0.006	OK
77.005	30 min Summer	18	S44	S35	0.375	0.929	74.761	0.663	Surcharged
83.000	15 min Summer	0	RWP168D	RE168	0.000	0.000	0.000	0.000	OK
83.001	15 min Summer	0	RE168	PS773	0.000	0.000	0.000	0.000	OK
84.000	15 min Summer	0	ACO167	PS773	0.000	0.000	0.000	0.000	OK
85.000	15 min Summer	0	RWP168A	PS773	0.000	0.000	0.000	0.000	OK
86.000	15 min Summer	0	RWP167C	PS773	0.000	0.000	0.000	0.000	OK
83.002	1440 min Winter	1980	PS773	PS774	0.088	0.014	0.138	0.006	OK
83.003	720 min Summer	1229	PS774	S35	0.150	0.019	0.335	0.013	Surcharged
87.000	15 min Summer	0	ACO165B	RE165A	0.000	0.000	0.000	0.000	OK
87.001	1440 min Winter	1425	RE165A	PS717	0.038	0.000	0.000	0.000	OK
87.002	1440 min Winter	2773	PS717	PS718	0.088	0.030	0.172	0.018	OK
88.000	1440 min Winter	1434	RE166A	PS719	0.038	0.000	0.000	0.000	OK
89.000	1440 min Winter	1434	RWP167A	PS719	0.038	0.000	0.000	0.000	OK
90.000	1440 min Winter	1434	ACO166	PS719	0.038	0.000	0.000	0.000	OK
88.001	1440 min Winter	2173	PS719	PS718	0.138	0.013	0.199	0.008	OK
87.003	960 min Winter	1395	PS718	S35	0.150	0.033	0.581	0.024	Surcharged
77.006	15 min Winter	11	S35	S137	0.375	1.023	87.625	0.773	Surcharged
77.007	15 min Winter	11	S137	S34	0.375	0.794	87.676	0.742	Surcharged
91.000	15 min Summer	0	RWP161D	RE161A	0.000	0.000	0.000	0.000	OK
91.001	15 min Summer	0	RE161A	PS709	0.000	0.000	0.000	0.000	OK
92.000	15 min Summer	0	RWP162D	RE162B	0.000	0.000	0.000	0.000	OK
92.001	15 min Summer	0	RE162B	PS708	0.000	0.000	0.000	0.000	OK
93.000	15 min Summer	0	RE162A	PS708	0.000	0.000	0.000	0.000	OK
94.000	15 min Summer	0	RWP162E	PS708	0.000	0.000	0.000	0.000	OK
92.002	15 min Summer	0	PS708	PS709	0.000	0.000	0.000	0.000	OK
95.000	15 min Summer	0	RWP162A	PS709	0.000	0.000	0.000	0.000	OK
91.002	1440 min Winter	1431	PS709	PS710	0.038	0.000	0.000	0.000	OK
96.000	1440 min Winter	1431	ACO162A	PS710	0.038	0.000	0.000	0.000	OK
97.000	1440 min Winter	1431	RWP162B	PS710	0.038	0.000	0.000	0.000	OK
91.003	1440 min Winter	2170	PS710	S34	0.088	0.045	0.309	0.017	OK
1.018	15 min Winter	11	S34	S36	0.375	1.994	220.240	1.973	Surcharged
1.019	15 min Winter	13	S36	S37	0.375	3.071	260.181	1.711	Surcharged
1.020	15 min Winter	13	S37	S38	0.375	0.421	18.669	0.142	Surcharged
1.021	1440 min Winter	1428	S38	S39	0.032	0.494	1.727	0.045	OK

Return Period Yrs: 30.0

Climate Change %: 40

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RE180B	15 min Winter	8	5.639	0.039	2.199		OK
RWP180B	-	0	5.650	0.000	0.000		OK
PS753	15 min Winter	8	5.533	0.033	2.173		OK
RWP180C	-	0	5.650	0.000	0.000		OK
PS750	15 min Winter	11	5.511	0.211	1.470		Surcharged
RWP178B	15 min Winter	11	5.507	0.007	0.348		OK
RE179	15 min Winter	11	5.512	0.062	1.756		OK
PS118	15 min Winter	11	5.507	0.207	1.424		Surcharged
PS119	15 min Winter	11	5.508	0.358	2.826		Surcharged
ACO178	15 min Winter	12	5.515	0.045	0.000		OK
RWP178A	15 min Winter	12	5.514	0.014	0.000		OK
RE178	15 min Winter	12	5.515	0.090	1.752		OK
RWP178C	15 min Winter	11	5.507	0.007	0.220		OK
PS122	15 min Winter	11	5.508	0.208	0.962		Surcharged
PS120	15 min Winter	11	5.504	0.404	3.053		Surcharged
S45	15 min Winter	11	5.498	0.648	12.855		Surcharged
S46	15 min Winter	11	5.488	0.698	28.986		Surcharged
RE183A	-	0	5.600	0.000	0.000		OK
PS755	-	0	5.475	0.000	0.000		OK
RWP184A	-	0	5.650	0.000	0.000		OK
PS731	15 min Winter	11	5.406	0.106	0.000		Surcharged
DF185	15 min Winter	11	5.404	0.104	0.001		OK
PS50	15 min Winter	11	5.404	0.254	0.760		Surcharged
S47	15 min Winter	11	5.400	0.750	49.208		Surcharged
RE187A	-	0	5.400	0.000	0.000		OK
PS761	-	0	5.275	0.000	0.000		OK
RWP188A	-	0	5.450	0.000	0.000		OK
PS762	600 min Winter	581	5.261	0.111	0.000		Surcharged
DF189	600 min Winter	584	5.261	0.111	0.052		OK
RWP189A	-	0	5.350	0.000	0.000		OK
PS54	600 min Winter	584	5.261	0.211	0.042		Surcharged
S48	600 min Winter	581	5.261	0.756	0.889		Surcharged
RE189A	-	0	5.300	0.000	0.000		OK
PS766	600 min Winter	582	5.261	0.086	0.000		OK
RWP190A	-	0	5.350	0.000	0.000		OK
PS767	600 min Winter	585	5.261	0.211	0.000		Surcharged
DF191	600 min Winter	584	5.261	0.261	0.061		Surcharged
RWP191A	600 min Winter	584	5.261	0.036	0.000		OK
PS56	600 min Winter	582	5.261	0.361	0.063		Surcharged
S142	600 min Winter	582	5.261	0.826	0.915		Surcharged
S139	600 min Winter	584	5.261	0.911	0.851		Surcharged
RWP248A	-	0	5.350	0.000	0.000		OK
RE248A	-	0	5.300	0.000	0.000		OK
RE249B	-	0	5.300	0.000	0.000		OK
PS597	600 min Winter	582	5.261	0.111	0.000		Surcharged
RWP248B	-	0	5.350	0.000	0.000		OK
RE248B	-	0	5.300	0.000	0.000		OK
RWP249B	-	0	5.400	0.000	0.000		OK
RE249A	-	0	5.350	0.000	0.000		OK
PS596	600 min Winter	582	5.261	0.361	0.000		Surcharged
S51	600 min Winter	582	5.261	0.681	0.335		Surcharged
RWP250	600 min Winter	582	5.261	0.061	0.000		OK
RE250A	600 min Winter	582	5.261	0.091	0.000		OK
PS603	600 min Winter	582	5.261	0.161	0.000		Surcharged
PS604	600 min Winter	582	5.261	0.311	0.000		Surcharged
DF251	600 min Winter	582	5.261	0.161	0.049		Surcharged
PS128	600 min Winter	582	5.261	0.436	0.049		Surcharged
RWP251C	-	0	5.300	0.000	0.000		OK
PS129	600 min Winter	582	5.261	0.586	0.049		Surcharged
S52	600 min Winter	582	5.261	0.811	0.384		Surcharged
S141	600 min Winter	582	5.261	0.911	0.384		Surcharged
S140	600 min Winter	582	5.261	1.061	1.451		Surcharged
S143	600 min Winter	582	5.261	1.106	1.435		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RWP251B	-	0	5.100	0.000	0.000		OK
RE251A	-	0	5.050	0.000	0.000		OK
RWP253A	-	0	5.000	0.000	0.000		OK
RE253A	-	0	4.975	0.000	0.000		OK
PS606	-	0	4.875	0.000	0.000		OK
PS607	15 min Winter	11	4.828	0.103	0.000		Surcharged
RWP255A	-	0	5.000	0.000	0.000		OK
RE255A	-	0	4.950	0.000	0.000		OK
ACO254	-	0	5.045	0.000	0.000		OK
PS610	-	0	4.850	0.000	0.000		OK
PS611	15 min Winter	11	4.829	0.229	0.000		Surcharged
PS608	15 min Winter	11	4.827	0.377	0.811		Surcharged
S145	15 min Winter	11	4.824	0.614	24.696		Surcharged
RE191A	-	0	5.125	0.000	0.000		OK
GY192A	-	0	5.100	0.000	0.000		OK
PS732	-	0	4.950	0.000	0.000		OK
RWP192A	-	0	5.225	0.000	0.000		OK
PS733	15 min Winter	11	4.811	0.011	0.000		OK
S144	15 min Winter	11	4.809	0.418	7.125		Surcharged
RWP255B	-	0	5.000	0.000	0.000		OK
DF255	60 min Winter	61	4.863	0.013	0.622		OK
PS131	15 min Winter	11	4.783	0.233	0.001		Surcharged
S50	15 min Winter	11	4.783	0.783	50.044		Surcharged
RWP229D	-	0	5.000	0.000	0.000		OK
RE229B	-	0	4.950	0.000	0.000		OK
RWP229E	-	0	5.000	0.000	0.000		OK
RE229C	-	0	4.950	0.000	0.000		OK
RWP229C	-	0	5.000	0.000	0.000		OK
ACO229	-	0	5.045	0.000	0.000		OK
PS776	-	0	4.850	0.000	0.000		OK
RWP229F	-	0	5.075	0.000	0.000		OK
PS775	-	0	4.825	0.000	0.000		OK
RWP229B	-	0	5.000	0.000	0.000		OK
RE229A	15 min Winter	12	4.805	0.005	0.000		OK
DF229	60 min Winter	61	4.914	0.014	0.642		OK
PS117	15 min Winter	11	4.806	0.174	0.001		Surcharged
S147	15 min Winter	11	4.804	0.525	11.921		Surcharged
ACO232	15 min Winter	9	4.889	0.069	0.000		OK
RE232A	15 min Winter	9	4.889	0.089	6.398		OK
PS247	15 min Winter	11	4.758	0.123	4.463		OK
ACO234	15 min Winter	9	4.971	0.001	0.000		OK
RWP234A	-	0	5.000	0.000	0.000		OK
RE234A	15 min Winter	8	4.971	0.046	2.862		OK
RWP234B	-	0	5.000	0.000	0.000		OK
PS245	15 min Winter	8	4.835	0.035	2.798		OK
RWP233A	-	0	4.850	0.000	0.000		OK
ACO233	-	0	4.820	0.000	0.000		OK
DF233	60 min Winter	60	4.787	0.012	0.619		OK
RWP233B	-	0	4.850	0.000	0.000		OK
PS842	15 min Winter	11	4.762	0.112	0.809		OK
PS105	15 min Winter	11	4.756	0.206	6.591		Surcharged
S55	15 min Winter	11	4.749	0.548	5.276		Surcharged
RWP230C	15 min Winter	9	5.011	0.011	0.000		OK
RE230A	15 min Winter	9	5.011	0.031	1.164		OK
RWP230A	-	0	5.000	0.000	0.000		OK
PS835	15 min Winter	9	4.884	0.024	1.179		OK
PS738	15 min Winter	11	4.743	0.143	0.884		Surcharged
ACO231B	-	0	4.910	0.000	0.000		OK
RE231A	-	0	4.850	0.000	0.000		OK
PS692	15 min Winter	11	4.755	0.105	0.006		Surcharged
RE231B	15 min Winter	8	5.097	0.022	1.225		OK
RWP231F	-	0	4.900	0.000	0.000		OK
ACO231	-	0	4.910	0.000	0.000		OK
PS836	15 min Winter	8	4.822	0.022	1.212		OK
PS693	15 min Winter	11	4.748	0.298	0.822		Surcharged
PS102	60 min Winter	60	4.760	0.010	0.601		OK
PS103	15 min Winter	11	4.745	0.395	1.270		Surcharged
S29	15 min Winter	11	4.741	0.766	27.078		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RE193B	-	0	5.070	0.000	0.000		OK
RE193A	-	0	5.070	0.000	0.000		OK
PS769	-	0	4.950	0.000	0.000		OK
RWP194A	-	0	5.000	0.000	0.000		OK
RWP193C	-	0	5.075	0.000	0.000		OK
RWP193B	-	0	5.075	0.000	0.000		OK
PS770	-	0	4.800	0.000	0.000		OK
RE193C	-	0	5.070	0.000	0.000		OK
PS695	30 min Summer	19	4.733	0.058	0.259		OK
RE159C	-	0	5.000	0.000	0.000		OK
RWP194C	-	0	5.075	0.000	0.000		OK
RWP159F	-	0	5.075	0.000	0.000		OK
PS737	-	0	4.900	0.000	0.000		OK
RE194A	-	0	5.075	0.000	0.000		OK
ACO194B	-	0	4.970	0.000	0.000		OK
PS801	-	0	4.900	0.000	0.000		OK
RWP194B	-	0	5.000	0.000	0.000		OK
PS699	-	0	4.800	0.000	0.000		OK
RWP159C	-	0	5.300	0.000	0.000		OK
RE159B	-	0	5.250	0.000	0.000		OK
RWP159D	-	0	5.075	0.000	0.000		OK
PS772	-	0	4.975	0.000	0.000		OK
PS696	15 min Winter	11	4.732	0.432	0.024		Surcharged
PS697	15 min Winter	11	4.731	0.581	1.367		Surcharged
S30	15 min Winter	11	4.729	0.829	95.251		Surcharged
S31	1440 min Winter	1422	4.618	0.783	1.610		Surcharged
S32	1440 min Winter	1431	4.618	0.898	1.502		Surcharged
RWP160C	-	0	5.200	0.000	0.000		OK
RWP160F	-	0	5.225	0.000	0.000		OK
RE160A	-	0	5.150	0.000	0.000		OK
PS704	-	0	4.950	0.000	0.000		OK
RWP161C	-	0	5.125	0.000	0.000		OK
RE161B	-	0	5.075	0.000	0.000		OK
PS703	-	0	4.750	0.000	0.000		OK
RWP160A	-	0	5.200	0.000	0.000		OK
GY160	-	0	5.150	0.000	0.000		OK
PS705	-	0	5.000	0.000	0.000		OK
RWP160B	-	0	5.200	0.000	0.000		OK
PS701	-	0	4.800	0.000	0.000		OK
PS702	-	0	4.650	0.000	0.000		OK
S33	1440 min Winter	1431	4.618	0.998	1.551		Surcharged
S101	15 min Winter	11	4.891	0.228	16.566		Surcharged
S40	15 min Winter	11	4.845	0.467	22.051		Surcharged
RWP176C	-	0	5.225	0.000	0.000		OK
RE176	-	0	5.215	0.000	0.000		OK
PS413	-	0	5.000	0.000	0.000		OK
GY176	-	0	5.090	0.000	0.000		OK
RWP176A	-	0	5.225	0.000	0.000		OK
PS410	-	0	4.850	0.000	0.000		OK
PS411	15 min Winter	11	4.823	0.348	0.000		Surcharged
S41	15 min Winter	11	4.823	0.523	38.550		Surcharged
S42	15 min Winter	11	4.680	0.495	46.471		Surcharged
S43	1440 min Winter	1428	4.618	0.693	0.089		Surcharged
DF168	1440 min Winter	1426	4.618	0.168	0.019		Surcharged
RWP168C	-	0	4.625	0.000	0.000		OK
PS85	1440 min Winter	1426	4.618	0.268	0.025		Surcharged
S44	1440 min Winter	1426	4.618	0.843	0.218		Surcharged
RWP168D	-	0	4.625	0.000	0.000		OK
RE168	1440 min Winter	1427	4.618	0.018	0.000		OK
ACO167	-	0	4.670	0.000	0.000		OK
RWP168A	-	0	4.625	0.000	0.000		OK
RWP167C	-	0	4.700	0.000	0.000		OK
PS773	1440 min Winter	1420	4.618	0.168	0.019		Surcharged
PS774	1440 min Winter	1427	4.618	0.418	0.009		Surcharged
ACO165B	-	0	4.820	0.000	0.000		OK
RE165A	-	0	4.750	0.000	0.000		OK
PS717	1440 min Winter	1425	4.618	0.218	0.000		Surcharged
RE166A	-	0	4.750	0.000	0.000		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RWP167A	-	0	4.700	0.000	0.000		OK
ACO166	-	0	4.820	0.000	0.000		OK
PS719	1440 min Winter	1434	4.618	0.268	0.000		Surcharged
PS718	1440 min Winter	1423	4.618	0.568	0.081		Surcharged
S35	1440 min Winter	1423	4.618	0.908	0.254		Surcharged
S137	1440 min Winter	1423	4.618	0.963	0.190		Surcharged
RWP161D	-	0	5.175	0.000	0.000		OK
RE161A	-	0	5.150	0.000	0.000		OK
RWP162D	-	0	5.050	0.000	0.000		OK
RE162B	-	0	5.000	0.000	0.000		OK
RE162A	-	0	5.000	0.000	0.000		OK
RWP162E	-	0	5.050	0.000	0.000		OK
PS708	-	0	4.900	0.000	0.000		OK
RWP162A	-	0	5.050	0.000	0.000		OK
PS709	-	0	4.875	0.000	0.000		OK
ACO162A	-	0	4.900	0.000	0.000		OK
RWP162B	-	0	5.050	0.000	0.000		OK
PS710	1440 min Winter	1437	4.618	0.218	0.003		Surcharged
S34	1440 min Winter	1424	4.618	1.068	1.952		Surcharged
S36	1440 min Winter	1426	4.617	1.092	1.900		Surcharged
S37	1440 min Winter	1429	4.617	1.192	1.865		Surcharged
S38	1440 min Winter	1429	4.617	1.217	1.830		Surcharged
S39	1440 min Winter	1429	3.363	0.033	1.830		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	8	RE180B	PS753	0.036	0.839	2.173	0.322	OK
2.000	15 min Winter	8	RWP180B	PS753	0.017	0.000	0.000	0.000	OK
1.001	15 min Winter	9	PS753	PS750	0.067	0.888	2.150	0.243	OK
3.000	15 min Summer	11	RWP180C	PS750	0.050	0.000	0.000	0.000	OK
1.002	15 min Winter	14	PS750	PS119	0.100	0.803	2.447	0.320	Surcharged
4.000	15 min Winter	12	RWP178B	RE179	0.034	0.050	0.080	0.005	OK
4.001	15 min Winter	11	RE179	PS118	0.081	0.957	2.914	0.356	OK
4.002	30 min Summer	17	PS118	PS119	0.150	0.618	2.669	0.133	Surcharged
1.003	15 min Winter	14	PS119	PS120	0.150	0.831	6.852	0.350	Surcharged
5.000	15 min Winter	13	ACO178	RE178	0.067	0.187	0.553	0.067	OK
6.000	15 min Winter	12	RWP178A	RE178	0.052	0.066	0.271	0.014	OK
5.001	15 min Winter	12	RE178	PS122	0.095	0.892	3.097	0.473	OK
7.000	15 min Winter	12	RWP178C	PS122	0.054	0.037	0.156	0.005	OK
5.002	15 min Winter	13	PS122	PS120	0.100	0.946	3.695	0.449	Surcharged
1.004	15 min Winter	14	PS120	S45	0.150	1.179	11.783	0.445	Surcharged
1.005	15 min Winter	14	S45	S46	0.225	0.590	18.049	0.524	OK
1.006	15 min Winter	10	S46	S47	0.225	0.816	30.841	0.856	OK
8.000	15 min Summer	0	RE183A	PS755	0.000	0.000	0.000	0.000	OK
8.001	15 min Winter	11	PS755	PS731	0.050	0.000	0.000	0.000	OK
9.000	15 min Winter	11	RWP184A	PS731	0.050	0.000	0.000	0.000	OK
8.002	15 min Winter	12	PS731	PS50	0.100	0.272	0.941	0.095	Surcharged
10.000	15 min Winter	12	DF185	PS50	0.127	0.538	0.855	0.045	OK
8.003	30 min Summer	21	PS50	S47	0.150	0.165	2.915	0.069	Surcharged
1.007	15 min Winter	9	S47	S48	0.225	1.250	49.694	1.364	OK
11.000	15 min Summer	0	RE187A	PS761	0.000	0.000	0.000	0.000	OK
11.001	480 min Winter	438	PS761	PS762	0.050	0.000	0.000	0.000	OK
12.000	480 min Winter	438	RWP188A	PS762	0.050	0.000	0.000	0.000	OK
11.002	720 min Winter	1053	PS762	PS54	0.100	0.022	0.060	0.009	Surcharged
13.000	600 min Winter	584	DF189	PS54	0.130	0.554	0.370	0.018	OK
14.000	240 min Winter	222	RWP189A	PS54	0.050	0.000	0.000	0.000	OK
11.003	360 min Summer	326	PS54	S48	0.150	0.555	0.535	0.011	Surcharged
1.008	15 min Winter	9	S48	S142	0.225	1.720	68.392	1.933	OK
15.000	600 min Winter	582	RE189A	PS766	0.043	0.000	0.000	0.000	OK
15.001	600 min Winter	790	PS766	PS767	0.093	0.013	0.067	0.011	OK
16.000	180 min Summer	177	RWP190A	PS767	0.050	0.000	0.000	0.000	OK
15.002	960 min Winter	1501	PS767	PS56	0.100	0.036	0.241	0.024	Surcharged
17.000	240 min Summer	202	DF191	PS56	0.150	0.611	0.606	0.029	Surcharged
18.000	600 min Winter	673	RWP191A	PS56	0.068	0.012	0.057	0.003	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
15.003	180 min Winter	199	PS56	S142	0.150	0.053	0.535	0.012	Surcharged
1.009	15 min Winter	10	S142	S139	0.225	1.649	65.045	1.529	OK
1.010	15 min Winter	10	S139	S140	0.225	2.239	64.113	0.954	OK
19.000	15 min Summer	0	RWP248A	RE248A	0.000	0.000	0.000	0.000	OK
19.001	480 min Winter	439	RE248A	PS597	0.050	0.000	0.000	0.000	OK
20.000	480 min Winter	439	RE249B	PS597	0.050	0.000	0.000	0.000	OK
19.002	720 min Winter	930	PS597	PS596	0.100	0.011	0.071	0.010	Surcharged
21.000	15 min Summer	0	RWP248B	RE248B	0.000	0.000	0.000	0.000	OK
21.001	120 min Summer	97	RE248B	PS596	0.050	0.000	0.000	0.000	OK
22.000	15 min Summer	0	RWP249B	RE249A	0.000	0.000	0.000	0.000	OK
22.001	120 min Summer	97	RE249A	PS596	0.050	0.000	0.000	0.000	OK
19.003	120 min Winter	144	PS596	S51	0.150	0.046	0.819	0.025	Surcharged
19.004	30 min Summer	16	S51	S52	0.225	1.147	43.195	1.252	OK
23.000	600 min Winter	823	RWP250	RE250A	0.076	0.007	0.006	0.001	OK
23.001	600 min Winter	736	RE250A	PS603	0.095	0.002	0.012	0.002	OK
23.002	1440 min Winter	1480	PS603	PS604	0.100	0.012	0.083	0.013	Surcharged
23.003	120 min Winter	144	PS604	PS128	0.100	0.060	0.474	0.074	Surcharged
24.000	360 min Summer	327	DF251	PS128	0.100	0.687	1.141	0.065	Surcharged
23.004	120 min Winter	120	PS128	PS129	0.100	0.493	0.655	0.087	Surcharged
25.000	30 min Summer	25	RWP251C	PS129	0.050	0.000	0.000	0.000	OK
23.005	120 min Winter	137	PS129	S52	0.150	0.104	1.839	0.069	Surcharged
19.005	15 min Winter	10	S52	S141	0.225	1.395	45.804	1.076	OK
19.006	15 min Winter	9	S141	S140	0.225	1.708	44.166	0.726	OK
1.011	30 min Summer	14	S140	S143	0.225	0.488	8.918	0.240	OK
1.012	15 min Winter	16	S143	S50	0.225	0.470	5.268	0.131	OK
26.000	15 min Summer	0	RWP251B	RE251A	0.000	0.000	0.000	0.000	OK
26.001	15 min Summer	0	RE251A	PS606	0.000	0.000	0.000	0.000	OK
27.000	15 min Summer	0	RWP253A	RE253A	0.000	0.000	0.000	0.000	OK
27.001	15 min Summer	0	RE253A	PS606	0.000	0.000	0.000	0.000	OK
26.002	15 min Winter	11	PS606	PS607	0.050	0.000	0.000	0.000	OK
26.003	15 min Winter	12	PS607	PS608	0.100	0.241	0.989	0.124	Surcharged
28.000	15 min Summer	0	RWP255A	RE255A	0.000	0.000	0.000	0.000	OK
28.001	15 min Summer	0	RE255A	PS610	0.000	0.000	0.000	0.000	OK
29.000	15 min Summer	0	ACO254	PS610	0.000	0.000	0.000	0.000	OK
28.002	15 min Winter	9	PS610	PS611	0.050	0.000	0.000	0.000	OK
28.003	30 min Summer	21	PS611	PS608	0.100	0.262	1.478	0.168	Surcharged
26.004	15 min Winter	13	PS608	S145	0.150	0.309	4.162	0.149	Surcharged
26.005	30 min Summer	15	S145	S50	0.225	1.056	30.492	0.690	OK
30.000	15 min Summer	0	RE191A	PS732	0.000	0.000	0.000	0.000	OK
31.000	15 min Summer	0	GY192A	PS732	0.000	0.000	0.000	0.000	OK
30.001	15 min Winter	11	PS732	PS733	0.005	0.000	0.000	0.000	OK
32.000	15 min Summer	0	RWP192A	PS733	0.000	0.000	0.000	0.000	OK
30.002	15 min Winter	11	PS733	S144	0.080	0.035	0.338	0.009	OK
30.003	15 min Winter	8	S144	S50	0.150	0.995	9.939	0.486	Surcharged
33.000	15 min Winter	10	RWP255B	PS131	0.050	0.000	0.000	0.000	OK
34.000	30 min Winter	43	DF255	PS131	0.051	1.023	0.536	0.030	OK
33.001	30 min Summer	22	PS131	S50	0.150	0.795	1.647	0.041	Surcharged
1.013	15 min Winter	10	S50	S30	0.300	0.739	50.799	0.814	Surcharged
35.000	15 min Summer	0	RWP229D	RE229B	0.000	0.000	0.000	0.000	OK
35.001	15 min Summer	0	RE229B	PS776	0.000	0.000	0.000	0.000	OK
36.000	15 min Summer	0	RWP229E	RE229C	0.000	0.000	0.000	0.000	OK
36.001	15 min Summer	0	RE229C	PS776	0.000	0.000	0.000	0.000	OK
37.000	15 min Summer	0	RWP229C	PS776	0.000	0.000	0.000	0.000	OK
38.000	15 min Summer	0	ACO229	PS776	0.000	0.000	0.000	0.000	OK
35.002	15 min Summer	0	PS776	PS775	0.000	0.000	0.000	0.000	OK
39.000	15 min Summer	0	RWP229F	PS775	0.000	0.000	0.000	0.000	OK
35.003	15 min Winter	10	PS775	PS117	0.050	0.000	0.000	0.000	OK
40.000	15 min Winter	12	RWP229B	RE229A	0.003	0.000	0.000	0.000	OK
40.001	15 min Winter	12	RE229A	PS117	0.052	0.016	0.038	0.006	OK
41.000	30 min Summer	42	DF229	PS117	0.076	0.825	0.533	0.014	OK
35.004	30 min Summer	21	PS117	S147	0.150	0.619	2.038	0.043	Surcharged
35.005	30 min Summer	15	S147	S29	0.150	1.099	15.567	0.859	Surcharged
42.000	15 min Winter	10	ACO232	RE232A	0.079	0.123	0.275	0.046	OK
42.001	15 min Winter	9	RE232A	PS247	0.085	0.910	6.495	1.079	OK
42.002	15 min Winter	11	PS247	PS105	0.137	1.060	6.512	0.441	OK
43.000	15 min Winter	9	ACO234	RE234A	0.024	0.010	0.003	0.000	OK
44.000	15 min Winter	8	RWP234A	RE234A	0.023	0.000	0.000	0.000	OK
43.001	15 min Winter	8	RE234A	PS245	0.041	0.932	2.798	0.419	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
45.000	15 min Winter	8	RWP234B	PS245	0.018	0.000	0.000	0.000	OK
43.002	15 min Winter	10	PS245	PS105	0.066	1.121	2.774	0.267	OK
46.000	15 min Winter	11	RWP233A	PS842	0.031	0.000	0.000	0.000	OK
47.000	15 min Winter	11	ACO233	PS842	0.031	0.000	0.000	0.000	OK
48.000	15 min Winter	31	DF233	PS842	0.056	0.514	0.413	0.009	OK
49.000	15 min Winter	11	RWP233B	PS842	0.031	0.000	0.000	0.000	OK
46.001	15 min Winter	13	PS842	PS105	0.131	0.522	1.185	0.071	OK
42.003	30 min Summer	18	PS105	S55	0.150	1.199	8.870	0.178	Surcharged
42.004	15 min Winter	14	S55	S29	0.150	0.697	10.981	0.744	Surcharged
50.000	15 min Winter	11	RWP230C	RE230A	0.021	0.091	0.072	0.007	OK
50.001	15 min Winter	9	RE230A	PS835	0.027	0.680	1.179	0.196	OK
51.000	15 min Winter	9	RWP230A	PS835	0.012	0.000	0.000	0.000	OK
50.002	15 min Winter	10	PS835	PS738	0.061	0.774	1.185	0.125	OK
50.003	30 min Summer	21	PS738	PS103	0.100	0.651	1.636	0.204	Surcharged
52.000	15 min Summer	0	ACO231B	RE231A	0.000	0.000	0.000	0.000	OK
52.001	15 min Winter	11	RE231A	PS692	0.050	0.000	0.000	0.000	OK
52.002	15 min Winter	13	PS692	PS693	0.100	0.206	1.214	0.152	Surcharged
53.000	15 min Winter	8	RE231B	PS836	0.022	0.935	1.212	0.108	OK
54.000	15 min Winter	8	RWP231F	PS836	0.011	0.000	0.000	0.000	OK
55.000	15 min Winter	8	ACO231	PS836	0.011	0.000	0.000	0.000	OK
53.001	15 min Winter	9	PS836	PS693	0.061	0.844	1.198	0.107	OK
52.003	30 min Summer	23	PS693	PS103	0.100	0.734	3.000	0.332	Surcharged
56.000	60 min Summer	60	PS102	PS103	0.079	0.883	0.586	0.009	OK
50.004	15 min Winter	13	PS103	S29	0.150	0.868	5.937	0.165	Surcharged
35.006	15 min Winter	14	S29	S30	0.300	0.483	34.165	0.473	Surcharged
57.000	15 min Summer	0	RE193B	PS770	0.000	0.000	0.000	0.000	OK
58.000	15 min Summer	0	RE193A	PS769	0.000	0.000	0.000	0.000	OK
58.001	15 min Summer	0	PS769	PS770	0.000	0.000	0.000	0.000	OK
59.000	15 min Summer	0	RWP194A	PS770	0.000	0.000	0.000	0.000	OK
60.000	15 min Summer	0	RWP193C	PS770	0.000	0.000	0.000	0.000	OK
61.000	15 min Summer	0	RWP193B	PS770	0.000	0.000	0.000	0.000	OK
57.001	30 min Summer	19	PS770	PS695	0.029	0.000	0.000	0.000	OK
62.000	30 min Summer	19	RE193C	PS695	0.029	0.000	0.000	0.000	OK
57.002	30 min Summer	20	PS695	PS697	0.079	0.249	1.315	0.106	OK
63.000	15 min Summer	0	RE159C	PS737	0.000	0.000	0.000	0.000	OK
64.000	15 min Summer	0	RWP194C	PS737	0.000	0.000	0.000	0.000	OK
65.000	15 min Summer	0	RWP159F	PS737	0.000	0.000	0.000	0.000	OK
63.001	15 min Summer	0	PS737	PS699	0.000	0.000	0.000	0.000	OK
66.000	15 min Summer	0	RE194A	PS801	0.000	0.000	0.000	0.000	OK
67.000	15 min Summer	0	ACO194B	PS801	0.000	0.000	0.000	0.000	OK
66.001	15 min Summer	0	PS801	PS699	0.000	0.000	0.000	0.000	OK
68.000	15 min Summer	0	RWP194B	PS699	0.000	0.000	0.000	0.000	OK
63.002	15 min Summer	9	PS699	PS696	0.050	0.000	0.000	0.000	OK
69.000	15 min Summer	0	RWP159C	RE159B	0.000	0.000	0.000	0.000	OK
69.001	15 min Summer	0	RE159B	PS772	0.000	0.000	0.000	0.000	OK
70.000	15 min Summer	0	RWP159D	PS772	0.000	0.000	0.000	0.000	OK
69.002	15 min Summer	9	PS772	PS696	0.050	0.000	0.000	0.000	OK
63.003	15 min Winter	16	PS696	PS697	0.100	0.484	2.986	0.349	Surcharged
57.003	15 min Winter	16	PS697	S30	0.150	0.297	5.252	0.266	Surcharged
1.014	15 min Winter	12	S30	S31	0.300	1.360	96.138	1.516	Surcharged
1.015	15 min Winter	12	S31	S32	0.300	1.423	100.572	1.570	Surcharged
1.016	15 min Winter	12	S32	S33	0.375	1.050	115.971	1.189	Surcharged
71.000	15 min Summer	0	RWP160C	RE160A	0.000	0.000	0.000	0.000	OK
72.000	15 min Summer	0	RWP160F	RE160A	0.000	0.000	0.000	0.000	OK
71.001	15 min Summer	0	RE160A	PS704	0.000	0.000	0.000	0.000	OK
71.002	15 min Summer	0	PS704	PS703	0.000	0.000	0.000	0.000	OK
73.000	15 min Summer	0	RWP161C	RE161B	0.000	0.000	0.000	0.000	OK
73.001	15 min Summer	0	RE161B	PS703	0.000	0.000	0.000	0.000	OK
71.003	15 min Summer	0	PS703	PS702	0.000	0.000	0.000	0.000	OK
74.000	15 min Summer	0	RWP160A	PS705	0.000	0.000	0.000	0.000	OK
75.000	15 min Summer	0	GY160	PS705	0.000	0.000	0.000	0.000	OK
74.001	15 min Summer	0	PS705	PS701	0.000	0.000	0.000	0.000	OK
76.000	15 min Summer	0	RWP160B	PS701	0.000	0.000	0.000	0.000	OK
74.002	15 min Summer	0	PS701	PS702	0.000	0.000	0.000	0.000	OK
71.004	15 min Summer	7	PS702	S33	0.075	0.000	0.000	0.000	OK
1.017	15 min Winter	10	S33	S34	0.375	1.420	156.876	1.473	Surcharged
77.000	15 min Winter	11	S101	S40	0.225	0.965	27.036	0.634	OK
77.001	30 min Summer	16	S40	S41	0.225	0.700	25.298	0.595	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
78.000	15 min Summer	0	RWP176C	RE176	0.000	0.000	0.000	0.000	OK
78.001	15 min Summer	0	RE176	PS413	0.000	0.000	0.000	0.000	OK
78.002	15 min Summer	9	PS413	PS411	0.050	0.000	0.000	0.000	OK
79.000	15 min Summer	0	GY176	PS410	0.000	0.000	0.000	0.000	OK
80.000	15 min Summer	0	RWP176A	PS410	0.000	0.000	0.000	0.000	OK
79.001	15 min Summer	9	PS410	PS411	0.075	0.000	0.000	0.000	OK
78.003	15 min Winter	14	PS411	S41	0.150	0.226	3.841	0.194	Surcharged
77.002	15 min Winter	8	S41	S42	0.225	1.077	42.838	1.251	OK
77.003	15 min Winter	9	S42	S43	0.225	1.284	48.759	1.470	OK
77.004	15 min Winter	9	S43	S44	0.375	1.052	89.382	0.797	Surcharged
81.000	1440 min Winter	2787	DF168	PS85	0.150	0.507	1.165	0.036	Surcharged
82.000	600 min Summer	605	RWP168C	PS85	0.050	0.000	0.000	0.000	OK
81.001	960 min Summer	1864	PS85	S44	0.150	0.524	0.547	0.017	Surcharged
77.005	15 min Winter	9	S44	S35	0.375	0.956	89.251	0.792	Surcharged
83.000	1440 min Winter	1427	RWP168D	RE168	0.009	0.000	0.000	0.000	OK
83.001	1440 min Winter	1780	RE168	PS773	0.059	0.025	0.110	0.016	OK
84.000	1440 min Winter	1273	ACO167	PS773	0.050	0.000	0.000	0.000	OK
85.000	1440 min Winter	1273	RWP168A	PS773	0.050	0.000	0.000	0.000	OK
86.000	1440 min Winter	1273	RWP167C	PS773	0.050	0.000	0.000	0.000	OK
83.002	1440 min Winter	1763	PS773	PS774	0.150	0.015	0.263	0.011	Surcharged
83.003	30 min Summer	22	PS774	S35	0.150	0.107	1.419	0.057	Surcharged
87.000	15 min Summer	0	ACO165B	RE165A	0.000	0.000	0.000	0.000	OK
87.001	600 min Summer	599	RE165A	PS717	0.050	0.000	0.000	0.000	OK
87.002	720 min Winter	2343	PS717	PS718	0.100	0.039	0.308	0.033	Surcharged
88.000	600 min Summer	605	RE166A	PS719	0.050	0.000	0.000	0.000	OK
89.000	600 min Summer	605	RWP167A	PS719	0.050	0.000	0.000	0.000	OK
90.000	600 min Summer	605	ACO166	PS719	0.050	0.000	0.000	0.000	OK
88.001	960 min Winter	2417	PS719	PS718	0.150	0.018	0.315	0.012	Surcharged
87.003	15 min Winter	16	PS718	S35	0.150	0.132	1.932	0.081	Surcharged
77.006	15 min Winter	11	S35	S137	0.375	1.020	102.010	0.900	Surcharged
77.007	15 min Winter	11	S137	S34	0.375	0.920	101.629	0.860	Surcharged
91.000	15 min Summer	0	RWP161D	RE161A	0.000	0.000	0.000	0.000	OK
91.001	15 min Summer	0	RE161A	PS709	0.000	0.000	0.000	0.000	OK
92.000	15 min Summer	0	RWP162D	RE162B	0.000	0.000	0.000	0.000	OK
92.001	15 min Summer	0	RE162B	PS708	0.000	0.000	0.000	0.000	OK
93.000	15 min Summer	0	RE162A	PS708	0.000	0.000	0.000	0.000	OK
94.000	15 min Summer	0	RWP162E	PS708	0.000	0.000	0.000	0.000	OK
92.002	15 min Summer	0	PS708	PS709	0.000	0.000	0.000	0.000	OK
95.000	15 min Summer	0	RWP162A	PS709	0.000	0.000	0.000	0.000	OK
91.002	600 min Summer	600	PS709	PS710	0.050	0.000	0.000	0.000	OK
96.000	600 min Summer	600	ACO162A	PS710	0.050	0.000	0.000	0.000	OK
97.000	600 min Summer	600	RWP162B	PS710	0.050	0.000	0.000	0.000	OK
91.003	720 min Summer	1611	PS710	S34	0.100	0.057	0.445	0.025	Surcharged
1.018	15 min Winter	11	S34	S36	0.375	2.309	255.002	2.284	Surcharged
1.019	15 min Winter	12	S36	S37	0.375	3.347	303.399	1.996	Surcharged
1.020	15 min Winter	12	S37	S38	0.375	0.459	16.637	0.127	Surcharged
1.021	1440 min Winter	1429	S38	S39	0.033	0.502	1.830	0.048	OK

Return Period Yrs: 100.0

Climate Change %: 45

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RE180B	30 min Summer	20	5.749	0.149	1.052		Surcharged
RWP180B	30 min Summer	20	5.746	0.096	0.000		OK
PS753	30 min Summer	20	5.746	0.246	1.497		Surcharged
RWP180C	30 min Summer	20	5.738	0.088	0.000		OK
PS750	30 min Summer	20	5.738	0.438	1.814		Surcharged
RWP178B	30 min Summer	19	5.741	0.241	0.128		Surcharged
RE179	30 min Summer	19	5.741	0.291	1.917		Surcharged
PS118	30 min Summer	19	5.736	0.436	1.660		Surcharged
PS119	30 min Summer	19	5.734	0.584	1.673		Surcharged
ACO178	30 min Summer	20	5.752	0.282	0.000		Flood Risk
RWP178A	30 min Summer	20	5.752	0.252	0.000		Surcharged
RE178	30 min Summer	20	5.752	0.327	1.839		Surcharged
RWP178C	30 min Summer	20	5.740	0.240	0.000		Surcharged
PS122	30 min Summer	20	5.740	0.440	2.097		Surcharged
PS120	30 min Summer	19	5.731	0.631	1.063		Surcharged
S45	30 min Summer	18	5.726	0.876	13.652		Surcharged
S46	30 min Summer	18	5.722	0.932	29.248		Surcharged
RE183A	30 min Summer	19	5.655	0.055	0.077		OK
PS755	30 min Summer	19	5.650	0.175	0.065		Surcharged
RWP184A	-	0	5.650	0.000	0.000		OK
PS731	30 min Summer	19	5.640	0.340	0.000		Surcharged
DF185	30 min Summer	18	5.645	0.345	0.362		Surcharged
PS50	30 min Summer	18	5.642	0.492	2.681		Surcharged
S47	30 min Summer	18	5.641	0.991	56.197		Surcharged
RE187A	960 min Winter	927	5.466	0.066	0.008		OK
PS761	960 min Winter	924	5.466	0.191	0.003		Surcharged
RWP188A	960 min Winter	927	5.466	0.016	0.007		OK
PS762	960 min Winter	928	5.466	0.316	0.001		Surcharged
DF189	960 min Winter	925	5.466	0.316	0.045		Surcharged
RWP189A	960 min Winter	930	5.466	0.116	0.016		Surcharged
PS54	960 min Winter	925	5.466	0.416	0.068		Surcharged
S48	960 min Winter	925	5.466	0.961	0.870		Surcharged
RE189A	960 min Winter	928	5.466	0.166	0.004		Surcharged
PS766	960 min Winter	928	5.466	0.291	0.007		Surcharged
RWP190A	960 min Winter	929	5.466	0.116	0.000		Surcharged
PS767	960 min Winter	929	5.466	0.416	0.006		Surcharged
DF191	960 min Winter	929	5.466	0.466	0.051		Surcharged
RWP191A	960 min Winter	929	5.466	0.241	0.000		Surcharged
PS56	960 min Winter	929	5.466	0.566	0.066		Surcharged
S142	960 min Winter	927	5.466	1.031	0.856		Surcharged
S139	960 min Winter	927	5.466	1.116	0.854		Flood Risk
RWP248A	960 min Winter	928	5.466	0.116	0.000		Surcharged
RE248A	960 min Winter	928	5.466	0.166	0.022		Surcharged
RE249B	960 min Winter	931	5.466	0.166	0.001		Surcharged
PS597	960 min Winter	927	5.466	0.316	0.000		Surcharged
RWP248B	960 min Winter	933	5.466	0.116	0.000		Surcharged
RE248B	960 min Winter	933	5.466	0.166	0.023		Surcharged
RWP249B	960 min Winter	929	5.466	0.066	0.005		OK
RE249A	960 min Winter	929	5.466	0.116	0.010		Surcharged
PS596	960 min Winter	927	5.466	0.566	0.027		Surcharged
S51	960 min Winter	927	5.466	0.886	0.345		Surcharged
RWP250	960 min Winter	931	5.466	0.266	0.000		Surcharged
RE250A	960 min Winter	931	5.466	0.296	0.009		Flood Risk
PS603	960 min Winter	928	5.466	0.366	0.003		Surcharged
PS604	960 min Winter	928	5.466	0.516	0.005		Surcharged
DF251	960 min Winter	936	5.466	0.366	0.038		Flood Risk
PS128	960 min Winter	932	5.466	0.641	0.054		Surcharged
RWP251C	960 min Winter	930	5.466	0.166	0.000		Surcharged
PS129	960 min Winter	930	5.466	0.791	0.045		Surcharged
S52	960 min Winter	930	5.466	1.016	0.371		Surcharged
S141	960 min Winter	926	5.466	1.116	0.383		Flood Risk
S140	960 min Winter	926	5.466	1.266	1.421		Surcharged
S143	960 min Winter	926	5.466	1.311	1.405		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RWP251B	-	0	5.100	0.000	0.000		OK
RE251A	30 min Summer	20	5.074	0.024	0.331		OK
RWP253A	30 min Summer	20	5.072	0.072	0.025		OK
RE253A	30 min Summer	20	5.072	0.097	0.043		OK
PS606	30 min Summer	20	5.070	0.195	0.367		Surcharged
PS607	30 min Summer	19	5.069	0.344	2.129		Surcharged
RWP255A	30 min Summer	20	5.080	0.080	0.000		OK
RE255A	30 min Summer	20	5.080	0.130	0.255		Surcharged
ACO254	30 min Summer	20	5.076	0.031	0.000		OK
PS610	30 min Summer	20	5.076	0.226	0.823		Surcharged
PS611	30 min Summer	19	5.079	0.479	1.880		Surcharged
PS608	30 min Summer	18	5.086	0.636	7.237		Surcharged
S145	30 min Summer	18	5.095	0.885	35.303		Surcharged
RE191A	-	0	5.125	0.000	0.000		OK
GY192A	-	0	5.100	0.000	0.000		OK
PS732	30 min Summer	19	5.092	0.142	0.000		OK
RWP192A	-	0	5.225	0.000	0.000		OK
PS733	30 min Summer	19	5.091	0.291	0.026		Surcharged
S144	30 min Summer	19	5.090	0.699	7.819		Surcharged
RWP255B	15 min Winter	11	5.052	0.052	0.000		OK
DF255	15 min Winter	11	5.051	0.201	0.001		Surcharged
PS131	15 min Winter	11	5.050	0.500	0.181		Surcharged
S50	30 min Summer	19	5.047	1.047	53.471		Surcharged
RWP229D	30 min Summer	21	5.029	0.029	0.000		OK
RE229B	30 min Summer	21	5.029	0.079	0.225		OK
RWP229E	30 min Summer	21	5.028	0.028	0.000		OK
RE229C	30 min Summer	21	5.028	0.078	0.211		OK
RWP229C	30 min Summer	21	5.026	0.026	0.000		OK
ACO229	-	0	5.045	0.000	0.000		OK
PS776	30 min Summer	21	5.026	0.176	1.004		Surcharged
RWP229F	-	0	5.075	0.000	0.000		OK
PS775	30 min Summer	20	5.026	0.201	1.503		Surcharged
RWP229B	30 min Summer	19	5.043	0.043	0.032		OK
RE229A	30 min Summer	19	5.042	0.242	0.069		Surcharged
DF229	30 min Summer	19	5.037	0.137	0.049		OK
PS117	30 min Summer	19	5.037	0.406	2.725		Surcharged
S147	30 min Summer	19	5.036	0.757	12.916		Surcharged
ACO232	30 min Summer	19	5.063	0.243	0.097		Surcharged
RE232A	30 min Summer	19	5.062	0.262	4.385		Surcharged
PS247	30 min Summer	20	5.012	0.377	3.834		Surcharged
ACO234	30 min Summer	20	5.015	0.045	0.118		OK
RWP234A	30 min Summer	20	5.015	0.015	0.120		OK
RE234A	30 min Summer	20	5.015	0.090	1.369		OK
RWP234B	30 min Summer	20	5.011	0.011	0.000		OK
PS245	30 min Summer	20	5.011	0.211	1.052		Surcharged
RWP233A	30 min Summer	19	5.009	0.159	0.435		Surcharged
ACO233	30 min Summer	19	5.007	0.187	0.457		Surcharged
DF233	30 min Summer	19	5.007	0.232	0.455		Surcharged
RWP233B	30 min Summer	19	5.007	0.157	0.420		Surcharged
PS842	30 min Summer	19	5.007	0.357	2.196		Surcharged
PS105	30 min Summer	20	5.005	0.455	6.433		Surcharged
S55	30 min Summer	19	4.999	0.797	1.754		Surcharged
RWP230C	15 min Winter	8	5.015	0.015	0.033		OK
RE230A	15 min Winter	8	5.015	0.035	1.588		OK
RWP230A	30 min Summer	20	5.000	0.000	0.000		OK
PS835	30 min Summer	19	5.000	0.140	0.910		Surcharged
PS738	30 min Summer	19	4.995	0.395	0.752		Surcharged
ACO231B	30 min Summer	20	4.994	0.084	0.342		OK
RE231A	30 min Summer	20	4.994	0.144	0.663		Surcharged
PS692	30 min Summer	20	4.991	0.341	0.774		Surcharged
RE231B	15 min Winter	8	5.100	0.025	1.588		OK
RWP231F	30 min Summer	20	4.998	0.098	0.000		OK
ACO231	30 min Summer	20	4.997	0.087	0.000		OK
PS836	30 min Summer	20	4.996	0.196	1.055		Surcharged
PS693	30 min Summer	20	4.987	0.537	1.244		Surcharged
PS102	30 min Summer	19	4.991	0.241	0.190		Surcharged
PS103	30 min Summer	19	4.991	0.641	4.133		Surcharged
S29	30 min Summer	19	4.990	1.015	22.002		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RE193B	-	0	5.070	0.000	0.000		OK
RE193A	-	0	5.070	0.000	0.000		OK
PS769	30 min Summer	20	4.986	0.036	0.000		OK
RWP194A	-	0	5.000	0.000	0.000		OK
RWP193C	-	0	5.075	0.000	0.000		OK
RWP193B	-	0	5.075	0.000	0.000		OK
PS770	30 min Summer	20	4.985	0.185	0.193		Surcharged
RE193C	-	0	5.070	0.000	0.000		OK
PS695	30 min Summer	20	4.979	0.304	0.381		Surcharged
RE159C	-	0	5.000	0.000	0.000		OK
RWP194C	-	0	5.075	0.000	0.000		OK
RWP159F	-	0	5.075	0.000	0.000		OK
PS737	30 min Summer	20	4.981	0.081	0.000		OK
RE194A	-	0	5.075	0.000	0.000		OK
ACO194B	30 min Summer	20	4.981	0.011	0.238		OK
PS801	30 min Summer	20	4.982	0.082	0.268		OK
RWP194B	-	0	5.000	0.000	0.000		OK
PS699	30 min Summer	20	4.981	0.181	0.273		Surcharged
RWP159C	-	0	5.300	0.000	0.000		OK
RE159B	-	0	5.250	0.000	0.000		OK
RWP159D	-	0	5.075	0.000	0.000		OK
PS772	30 min Summer	20	4.978	0.003	0.000		OK
PS696	30 min Summer	20	4.975	0.675	0.036		Surcharged
PS697	30 min Summer	19	4.979	0.829	3.738		Surcharged
S30	30 min Summer	19	4.980	1.080	94.872		Surcharged
S31	30 min Summer	18	4.853	1.018	92.491		Surcharged
S32	1440 min Winter	1433	4.816	1.096	1.193		Surcharged
RWP160C	-	0	5.200	0.000	0.000		OK
RWP160F	-	0	5.225	0.000	0.000		OK
RE160A	-	0	5.150	0.000	0.000		OK
PS704	-	0	4.950	0.000	0.000		OK
RWP161C	-	0	5.125	0.000	0.000		OK
RE161B	-	0	5.075	0.000	0.000		OK
PS703	1440 min Winter	1438	4.816	0.066	0.005		OK
RWP160A	-	0	5.200	0.000	0.000		OK
GY160	-	0	5.150	0.000	0.000		OK
PS705	-	0	5.000	0.000	0.000		OK
RWP160B	-	0	5.200	0.000	0.000		OK
PS701	1440 min Winter	1438	4.816	0.016	0.007		OK
PS702	1440 min Winter	1433	4.816	0.166	0.255		Surcharged
S33	1440 min Winter	1433	4.816	1.196	0.929		Surcharged
S101	15 min Winter	11	5.266	0.603	21.475		Surcharged
S40	15 min Winter	11	5.197	0.819	27.615		Surcharged
RWP176C	-	0	5.225	0.000	0.000		OK
RE176	-	0	5.215	0.000	0.000		OK
PS413	30 min Summer	19	5.182	0.182	0.302		Surcharged
GY176	30 min Summer	19	5.186	0.096	0.000		OK
RWP176A	-	0	5.225	0.000	0.000		OK
PS410	30 min Summer	19	5.183	0.333	0.304		Surcharged
PS411	30 min Summer	19	5.177	0.702	0.583		Surcharged
S41	30 min Summer	19	5.172	0.872	42.396		Surcharged
S42	30 min Summer	19	5.002	0.817	50.364		Surcharged
S43	1440 min Winter	1444	4.816	0.891	0.092		Surcharged
DF168	1440 min Winter	1434	4.816	0.366	0.021		Surcharged
RWP168C	1440 min Winter	1434	4.816	0.191	0.000		Surcharged
PS85	1440 min Winter	1444	4.816	0.466	0.029		Surcharged
S44	1440 min Winter	1434	4.816	1.041	0.323		Flood Risk
RWP168D	1440 min Winter	1438	4.816	0.191	0.050		Surcharged
RE168	1440 min Winter	1438	4.816	0.216	0.083		Surcharged
ACO167	1440 min Winter	1435	4.816	0.146	0.000		Surcharged
RWP168A	1440 min Winter	1434	4.816	0.191	0.000		Surcharged
RWP167C	1440 min Winter	1434	4.816	0.116	0.000		Surcharged
PS773	1440 min Winter	1452	4.816	0.366	0.190		Surcharged
PS774	1440 min Winter	1433	4.816	0.616	0.073		Surcharged
ACO165B	-	0	4.820	0.000	0.000		OK
RE165A	1440 min Winter	1434	4.816	0.066	0.000		OK
PS717	1440 min Winter	1463	4.816	0.416	0.105		Surcharged
RE166A	1440 min Winter	1434	4.816	0.066	0.000		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RWP167A	1440 min Winter	1434	4.816	0.116	0.000		Surcharged
ACO166	-	0	4.820	0.000	0.000		OK
PS719	1440 min Winter	1443	4.816	0.466	0.026		Surcharged
PS718	1440 min Winter	1434	4.815	0.765	0.112		Surcharged
S35	1440 min Winter	1433	4.816	1.106	0.661		Flood Risk
S137	1440 min Winter	1433	4.816	1.161	0.623		Surcharged
RWP161D	-	0	5.175	0.000	0.000		OK
RE161A	-	0	5.150	0.000	0.000		OK
RWP162D	-	0	5.050	0.000	0.000		OK
RE162B	-	0	5.000	0.000	0.000		OK
RE162A	-	0	5.000	0.000	0.000		OK
RWP162E	-	0	5.050	0.000	0.000		OK
PS708	-	0	4.900	0.000	0.000		OK
RWP162A	-	0	5.050	0.000	0.000		OK
PS709	-	0	4.875	0.000	0.000		OK
ACO162A	-	0	4.900	0.000	0.000		OK
RWP162B	-	0	5.050	0.000	0.000		OK
PS710	1440 min Winter	1433	4.817	0.417	0.000		Surcharged
S34	1440 min Winter	1443	4.816	1.266	1.036		Surcharged
S36	1440 min Winter	1478	4.818	1.293	2.500		Flood Risk
S37	1440 min Winter	1430	4.815	1.390	1.678		Flood Risk
S38	1440 min Winter	1433	4.816	1.416	1.956		Flood Risk
S39	1440 min Winter	1427	3.364	0.034	1.962		Outfall

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
1.000	30 min Summer	19	RE180B	PS753	0.100	0.886	2.700	0.400	Surcharged
2.000	30 min Summer	23	RWP180B	PS753	0.098	0.170	0.859	0.040	OK
1.001	15 min Winter	15	PS753	PS750	0.100	0.924	2.957	0.334	Surcharged
3.000	30 min Summer	22	RWP180C	PS750	0.094	0.110	0.663	0.020	OK
1.002	15 min Winter	15	PS750	PS119	0.100	0.809	4.603	0.602	Surcharged
4.000	15 min Winter	16	RWP178B	RE179	0.100	0.270	1.683	0.102	Surcharged
4.001	30 min Summer	17	RE179	PS118	0.100	0.975	3.548	0.434	Surcharged
4.002	15 min Winter	16	PS118	PS119	0.150	0.647	4.567	0.227	Surcharged
1.003	15 min Winter	16	PS119	PS120	0.150	0.838	10.499	0.537	Surcharged
5.000	15 min Winter	17	ACO178	RE178	0.100	0.281	1.100	0.134	Surcharged
6.000	15 min Winter	17	RWP178A	RE178	0.100	0.185	1.089	0.054	Surcharged
5.001	30 min Summer	27	RE178	PS122	0.100	0.907	4.005	0.611	Surcharged
7.000	30 min Winter	27	RWP178C	PS122	0.100	0.512	2.547	0.086	Surcharged
5.002	15 min Winter	18	PS122	PS120	0.100	0.954	7.087	0.861	Surcharged
1.004	15 min Winter	17	PS120	S45	0.150	1.149	17.997	0.680	Surcharged
1.005	15 min Winter	17	S45	S46	0.225	0.598	22.423	0.650	OK
1.006	15 min Winter	9	S46	S47	0.225	0.797	30.879	0.857	OK
8.000	30 min Summer	20	RE183A	PS755	0.078	0.144	0.740	0.119	OK
8.001	30 min Summer	20	PS755	PS731	0.100	0.182	1.430	0.202	Surcharged
9.000	15 min Summer	9	RWP184A	PS731	0.050	0.000	0.000	0.000	OK
8.002	15 min Winter	14	PS731	PS50	0.100	0.357	2.802	0.282	Surcharged
10.000	15 min Winter	15	DF185	PS50	0.150	0.577	1.553	0.082	Surcharged
8.003	15 min Winter	14	PS50	S47	0.150	0.316	5.586	0.133	Surcharged
1.007	15 min Winter	9	S47	S48	0.225	1.364	54.219	1.488	OK
11.000	960 min Winter	1163	RE187A	PS761	0.083	0.013	0.067	0.010	OK
11.001	720 min Summer	1112	PS761	PS762	0.100	0.018	0.100	0.016	Surcharged
12.000	960 min Winter	981	RWP188A	PS762	0.058	0.023	0.102	0.005	OK
11.002	30 min Summer	22	PS762	PS54	0.100	0.195	1.104	0.164	Surcharged
13.000	30 min Winter	29	DF189	PS54	0.150	0.655	1.065	0.051	Surcharged
14.000	720 min Winter	791	RWP189A	PS54	0.100	0.029	0.228	0.013	Surcharged
11.003	15 min Winter	15	PS54	S48	0.150	0.169	2.988	0.064	Surcharged
1.008	15 min Winter	9	S48	S142	0.225	1.901	75.584	2.136	OK
15.000	960 min Winter	1581	RE189A	PS766	0.100	0.018	0.100	0.016	Surcharged
15.001	960 min Winter	1932	PS766	PS767	0.100	0.019	0.125	0.021	Surcharged
16.000	1440 min Winter	1680	RWP190A	PS767	0.100	0.022	0.144	0.007	Surcharged
15.002	60 min Summer	140	PS767	PS56	0.100	0.037	0.291	0.029	Surcharged
17.000	60 min Summer	79	DF191	PS56	0.150	0.390	0.845	0.040	Surcharged
18.000	720 min Winter	868	RWP191A	PS56	0.100	0.036	0.280	0.016	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
15.003	30 min Winter	31	PS56	S142	0.150	0.104	1.834	0.043	Surcharged
1.009	15 min Winter	10	S142	S139	0.225	1.789	71.116	1.671	OK
1.010	15 min Winter	10	S139	S140	0.225	2.300	69.925	1.041	OK
19.000	960 min Winter	1010	RWP248A	RE248A	0.100	0.106	0.602	0.041	Surcharged
19.001	1440 min Winter	1865	RE248A	PS597	0.100	0.027	0.189	0.022	Surcharged
20.000	960 min Winter	1456	RE249B	PS597	0.100	0.033	0.221	0.025	Surcharged
19.002	960 min Winter	1089	PS597	PS596	0.100	0.040	0.317	0.044	Surcharged
21.000	960 min Winter	989	RWP248B	RE248B	0.100	0.382	3.000	0.166	Surcharged
21.001	960 min Winter	1089	RE248B	PS596	0.100	0.067	0.528	0.043	Surcharged
22.000	960 min Winter	1088	RWP249B	RE249A	0.083	0.487	2.387	0.141	OK
22.001	960 min Winter	1090	RE249A	PS596	0.100	0.053	0.297	0.021	Surcharged
19.003	30 min Summer	20	PS596	S51	0.150	0.189	2.945	0.090	Surcharged
19.004	15 min Winter	9	S51	S52	0.225	1.407	55.955	1.621	OK
23.000	960 min Winter	1787	RWP250	RE250A	0.100	0.138	1.063	0.101	Surcharged
23.001	1440 min Summer	1469	RE250A	PS603	0.100	0.028	0.219	0.033	Surcharged
23.002	720 min Winter	1077	PS603	PS604	0.100	0.025	0.197	0.030	Surcharged
23.003	60 min Summer	63	PS604	PS128	0.100	0.023	0.178	0.028	Surcharged
24.000	240 min Summer	150	DF251	PS128	0.100	0.696	0.721	0.041	Surcharged
23.004	60 min Summer	66	PS128	PS129	0.100	0.194	0.940	0.124	Surcharged
25.000	960 min Winter	1344	RWP251C	PS129	0.100	0.080	0.601	0.016	Surcharged
23.005	30 min Summer	35	PS129	S52	0.150	0.066	1.168	0.044	Surcharged
19.005	15 min Winter	8	S52	S141	0.225	1.451	50.350	1.183	OK
19.006	15 min Winter	8	S141	S140	0.225	1.755	48.967	0.805	OK
1.011	30 min Winter	12	S140	S143	0.225	0.498	9.216	0.248	OK
1.012	15 min Winter	19	S143	S50	0.225	0.481	4.958	0.124	OK
26.000	30 min Summer	20	RWP251B	RE251A	0.012	0.000	0.000	0.000	OK
26.001	30 min Summer	21	RE251A	PS606	0.062	0.053	0.243	0.034	OK
27.000	30 min Summer	22	RWP253A	RE253A	0.084	0.372	1.131	0.131	OK
27.001	30 min Summer	22	RE253A	PS606	0.098	0.229	1.507	0.207	OK
26.002	30 min Summer	22	PS606	PS607	0.100	0.281	2.158	0.321	Surcharged
26.003	15 min Winter	15	PS607	PS608	0.100	0.514	4.033	0.506	Surcharged
28.000	30 min Summer	21	RWP255A	RE255A	0.090	0.153	0.480	0.040	OK
28.001	30 min Summer	22	RE255A	PS610	0.100	0.249	1.762	0.231	Surcharged
29.000	30 min Summer	20	ACO254	PS610	0.066	0.061	0.328	0.019	OK
28.002	15 min Winter	14	PS610	PS611	0.100	0.379	2.979	0.357	Surcharged
28.003	15 min Winter	15	PS611	PS608	0.100	0.572	4.493	0.509	Surcharged
26.004	15 min Winter	15	PS608	S145	0.150	0.582	10.288	0.369	Surcharged
26.005	15 min Winter	9	S145	S50	0.225	1.078	33.454	0.758	OK
30.000	30 min Summer	19	RE191A	PS732	0.046	0.000	0.000	0.000	OK
31.000	30 min Summer	19	GY192A	PS732	0.071	0.000	0.000	0.000	OK
30.001	30 min Summer	21	PS732	PS733	0.146	0.104	1.156	0.060	OK
32.000	15 min Summer	11	RWP192A	PS733	0.050	0.000	0.000	0.000	OK
30.002	15 min Winter	13	PS733	S144	0.150	0.176	2.711	0.073	Surcharged
30.003	15 min Winter	7	S144	S50	0.150	1.005	10.697	0.523	Surcharged
33.000	15 min Winter	12	RWP255B	PS131	0.076	0.138	0.714	0.041	OK
34.000	30 min Summer	23	DF255	PS131	0.100	1.068	1.381	0.077	Surcharged
33.001	15 min Winter	14	PS131	S50	0.150	0.795	2.917	0.072	Surcharged
1.013	15 min Winter	10	S50	S30	0.300	0.822	58.109	0.931	Surcharged
35.000	30 min Summer	22	RWP229D	RE229B	0.054	0.132	0.358	0.030	OK
35.001	30 min Summer	23	RE229B	PS776	0.089	0.127	0.699	0.108	OK
36.000	30 min Summer	21	RWP229E	RE229C	0.053	0.096	0.211	0.015	OK
36.001	30 min Summer	23	RE229C	PS776	0.089	0.154	0.844	0.120	OK
37.000	30 min Summer	22	RWP229C	PS776	0.063	0.076	0.341	0.017	OK
38.000	15 min Winter	10	ACO229	PS776	0.050	0.000	0.000	0.000	OK
35.002	30 min Summer	23	PS776	PS775	0.100	0.324	2.306	0.366	Surcharged
39.000	15 min Summer	11	RWP229F	PS775	0.050	0.000	0.000	0.000	OK
35.003	15 min Winter	15	PS775	PS117	0.100	0.481	3.778	0.594	Surcharged
40.000	30 min Summer	20	RWP229B	RE229A	0.071	0.058	0.293	0.020	OK
40.001	30 min Summer	25	RE229A	PS117	0.100	0.263	1.465	0.213	Surcharged
41.000	30 min Summer	23	DF229	PS117	0.143	0.868	1.060	0.027	OK
35.004	15 min Winter	16	PS117	S147	0.150	0.620	7.368	0.155	Surcharged
35.005	30 min Summer	14	S147	S29	0.150	1.088	16.276	0.898	Surcharged
42.000	15 min Winter	16	ACO232	RE232A	0.100	0.255	1.257	0.212	Surcharged
42.001	15 min Winter	9	RE232A	PS247	0.100	0.977	7.459	1.239	Surcharged
42.002	15 min Winter	9	PS247	PS105	0.150	1.067	7.355	0.498	Surcharged
43.000	30 min Summer	22	ACO234	RE234A	0.067	0.170	0.496	0.059	OK
44.000	30 min Summer	21	RWP234A	RE234A	0.052	0.076	0.275	0.016	OK
43.001	30 min Summer	20	RE234A	PS245	0.095	0.991	3.502	0.525	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
45.000	30 min Summer	21	RWP234B	PS245	0.055	0.017	0.070	0.002	OK
43.002	30 min Summer	17	PS245	PS105	0.100	1.176	3.497	0.337	Surcharged
46.000	30 min Summer	24	RWP233A	PS842	0.100	0.253	0.875	0.092	Surcharged
47.000	30 min Summer	25	ACO233	PS842	0.100	0.363	1.855	0.131	Surcharged
48.000	60 min Summer	41	DF233	PS842	0.150	0.612	3.845	0.084	Surcharged
49.000	30 min Summer	24	RWP233B	PS842	0.100	0.144	0.902	0.043	Surcharged
46.001	15 min Winter	16	PS842	PS105	0.150	0.561	6.006	0.359	Surcharged
42.003	15 min Winter	16	PS105	S55	0.150	1.189	13.198	0.265	Surcharged
42.004	15 min Winter	17	S55	S29	0.150	0.934	16.508	1.118	Surcharged
50.000	15 min Winter	10	RWP230C	RE230A	0.025	0.136	0.175	0.018	OK
50.001	30 min Summer	18	RE230A	PS835	0.065	0.728	1.489	0.247	OK
51.000	30 min Summer	20	RWP230A	PS835	0.050	0.001	0.000	0.000	OK
50.002	30 min Summer	18	PS835	PS738	0.100	0.783	1.483	0.157	Surcharged
50.003	15 min Winter	15	PS738	PS103	0.100	0.676	2.522	0.315	Surcharged
52.000	30 min Summer	22	ACO231B	RE231A	0.092	0.124	0.589	0.055	OK
52.001	30 min Summer	23	RE231A	PS692	0.100	0.191	1.370	0.165	Surcharged
52.002	15 min Winter	15	PS692	PS693	0.100	0.339	2.659	0.333	Surcharged
53.000	15 min Winter	10	RE231B	PS836	0.061	1.008	1.572	0.141	OK
54.000	30 min Summer	23	RWP231F	PS836	0.099	0.156	0.777	0.098	OK
55.000	30 min Summer	22	ACO231	PS836	0.093	0.098	0.594	0.037	OK
53.001	30 min Summer	23	PS836	PS693	0.100	0.886	2.449	0.220	Surcharged
52.003	15 min Winter	15	PS693	PS103	0.100	0.821	6.451	0.715	Surcharged
56.000	30 min Winter	26	PS102	PS103	0.150	0.935	1.915	0.030	Surcharged
50.004	15 min Winter	15	PS103	S29	0.150	0.792	11.684	0.324	Surcharged
35.006	15 min Winter	16	S29	S30	0.300	0.646	45.695	0.633	Surcharged
57.000	15 min Winter	11	RE193B	PS770	0.050	0.000	0.000	0.000	OK
58.000	30 min Summer	20	RE193A	PS769	0.018	0.000	0.000	0.000	OK
58.001	30 min Summer	21	PS769	PS770	0.068	0.074	0.323	0.018	OK
59.000	15 min Winter	11	RWP194A	PS770	0.050	0.000	0.000	0.000	OK
60.000	15 min Winter	11	RWP193C	PS770	0.050	0.000	0.000	0.000	OK
61.000	15 min Winter	11	RWP193B	PS770	0.050	0.000	0.000	0.000	OK
57.001	30 min Winter	25	PS770	PS695	0.100	0.222	1.248	0.202	Surcharged
62.000	15 min Summer	10	RE193C	PS695	0.050	0.000	0.000	0.000	OK
57.002	15 min Winter	15	PS695	PS697	0.100	0.385	2.804	0.226	Surcharged
63.000	30 min Summer	20	RE159C	PS737	0.040	0.000	0.000	0.000	OK
64.000	30 min Summer	20	RWP194C	PS737	0.040	0.000	0.000	0.000	OK
65.000	30 min Summer	20	RWP159F	PS737	0.040	0.000	0.000	0.000	OK
63.001	30 min Summer	22	PS737	PS699	0.090	0.138	0.755	0.092	OK
66.000	30 min Summer	20	RE194A	PS801	0.041	0.000	0.000	0.000	OK
67.000	30 min Summer	21	ACO194B	PS801	0.047	0.097	0.078	0.006	OK
66.001	30 min Summer	22	PS801	PS699	0.091	0.147	0.653	0.050	OK
68.000	15 min Winter	10	RWP194B	PS699	0.050	0.000	0.000	0.000	OK
63.002	30 min Summer	22	PS699	PS696	0.100	0.279	2.188	0.173	Surcharged
69.000	15 min Summer	0	RWP159C	RE159B	0.000	0.000	0.000	0.000	OK
69.001	30 min Summer	20	RE159B	PS772	0.002	0.000	0.000	0.000	OK
70.000	30 min Summer	20	RWP159D	PS772	0.002	0.000	0.000	0.000	OK
69.002	30 min Summer	20	PS772	PS696	0.052	0.009	0.036	0.002	OK
63.003	15 min Winter	14	PS696	PS697	0.100	0.509	3.574	0.417	Surcharged
57.003	15 min Winter	15	PS697	S30	0.150	0.437	7.715	0.390	Surcharged
1.014	15 min Winter	14	S30	S31	0.300	1.476	104.347	1.645	Surcharged
1.015	15 min Winter	14	S31	S32	0.300	1.543	109.101	1.703	Surcharged
1.016	15 min Winter	13	S32	S33	0.375	1.111	122.678	1.258	Surcharged
71.000	15 min Summer	0	RWP160C	RE160A	0.000	0.000	0.000	0.000	OK
72.000	15 min Summer	0	RWP160F	RE160A	0.000	0.000	0.000	0.000	OK
71.001	15 min Summer	0	RE160A	PS704	0.000	0.000	0.000	0.000	OK
71.002	1440 min Winter	1438	PS704	PS703	0.033	0.000	0.000	0.000	OK
73.000	15 min Summer	0	RWP161C	RE161B	0.000	0.000	0.000	0.000	OK
73.001	1440 min Winter	1438	RE161B	PS703	0.033	0.000	0.000	0.000	OK
71.003	1440 min Winter	2188	PS703	PS702	0.083	0.062	0.251	0.042	OK
74.000	15 min Summer	0	RWP160A	PS705	0.000	0.000	0.000	0.000	OK
75.000	15 min Summer	0	GY160	PS705	0.000	0.000	0.000	0.000	OK
74.001	1440 min Winter	1438	PS705	PS701	0.008	0.000	0.000	0.000	OK
76.000	1440 min Winter	1438	RWP160B	PS701	0.008	0.000	0.000	0.000	OK
74.002	1440 min Winter	1438	PS701	PS702	0.058	0.028	0.127	0.015	OK
71.004	1440 min Winter	2912	PS702	S33	0.150	0.027	0.461	0.007	Surcharged
1.017	15 min Winter	10	S33	S34	0.375	1.611	177.930	1.670	Surcharged
77.000	30 min Summer	16	S101	S40	0.225	0.967	28.966	0.679	OK
77.001	15 min Winter	11	S40	S41	0.225	0.691	26.787	0.630	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
78.000	15 min Summer	0	RWP176C	RE176	0.000	0.000	0.000	0.000	OK
78.001	15 min Winter	11	RE176	PS413	0.050	0.000	0.000	0.000	OK
78.002	30 min Summer	21	PS413	PS411	0.100	0.192	1.487	0.122	Surcharged
79.000	30 min Summer	20	GY176	PS410	0.123	0.076	0.820	0.032	OK
80.000	15 min Summer	11	RWP176A	PS410	0.050	0.000	0.000	0.000	OK
79.001	30 min Summer	23	PS410	PS411	0.150	0.276	3.261	0.104	Surcharged
78.003	15 min Winter	15	PS411	S41	0.150	0.423	6.851	0.345	Surcharged
77.002	15 min Winter	7	S41	S42	0.225	1.118	44.434	1.297	OK
77.003	15 min Winter	13	S42	S43	0.225	1.350	53.697	1.619	OK
77.004	15 min Winter	9	S43	S44	0.375	1.077	98.017	0.874	Surcharged
81.000	480 min Summer	397	DF168	PS85	0.150	0.705	4.963	0.152	Surcharged
82.000	1440 min Winter	2134	RWP168C	PS85	0.100	0.072	0.564	0.026	Surcharged
81.001	15 min Winter	14	PS85	S44	0.150	0.167	2.951	0.092	Surcharged
77.005	15 min Winter	10	S44	S35	0.375	0.959	103.673	0.920	Surcharged
83.000	960 min Summer	2046	RWP168D	RE168	0.100	0.141	0.688	0.078	Surcharged
83.001	1440 min Summer	2797	RE168	PS773	0.100	0.035	0.277	0.040	Surcharged
84.000	1440 min Summer	3161	ACO167	PS773	0.100	0.029	0.207	0.018	Surcharged
85.000	960 min Winter	2740	RWP168A	PS773	0.100	0.101	0.774	0.048	Surcharged
86.000	1440 min Winter	3953	RWP167C	PS773	0.100	0.071	0.397	0.019	Surcharged
83.002	30 min Winter	23	PS773	PS774	0.150	0.082	1.208	0.052	Surcharged
83.003	15 min Winter	13	PS774	S35	0.150	0.176	3.116	0.125	Surcharged
87.000	1440 min Winter	1434	ACO165B	RE165A	0.033	0.000	0.000	0.000	OK
87.001	1440 min Winter	2916	RE165A	PS717	0.083	0.027	0.130	0.013	OK
87.002	30 min Summer	21	PS717	PS718	0.100	0.155	0.957	0.103	Surcharged
88.000	1440 min Winter	3292	RE166A	PS719	0.083	0.040	0.188	0.013	OK
89.000	1440 min Winter	3042	RWP167A	PS719	0.100	0.052	0.371	0.017	Surcharged
90.000	15 min Winter	10	ACO166	PS719	0.050	0.000	0.000	0.000	OK
88.001	30 min Summer	21	PS719	PS718	0.150	0.066	0.995	0.038	Surcharged
87.003	15 min Winter	15	PS718	S35	0.150	0.259	4.573	0.191	Surcharged
77.006	15 min Winter	11	S35	S137	0.375	1.066	117.720	1.038	Surcharged
77.007	15 min Winter	12	S137	S34	0.375	1.081	119.399	1.011	Surcharged
91.000	15 min Summer	0	RWP161D	RE161A	0.000	0.000	0.000	0.000	OK
91.001	15 min Summer	0	RE161A	PS709	0.000	0.000	0.000	0.000	OK
92.000	15 min Summer	0	RWP162D	RE162B	0.000	0.000	0.000	0.000	OK
92.001	15 min Summer	0	RE162B	PS708	0.000	0.000	0.000	0.000	OK
93.000	15 min Summer	0	RE162A	PS708	0.000	0.000	0.000	0.000	OK
94.000	15 min Summer	0	RWP162E	PS708	0.000	0.000	0.000	0.000	OK
92.002	15 min Summer	0	PS708	PS709	0.000	0.000	0.000	0.000	OK
95.000	15 min Summer	0	RWP162A	PS709	0.000	0.000	0.000	0.000	OK
91.002	180 min Summer	180	PS709	PS710	0.050	0.000	0.000	0.000	OK
96.000	180 min Summer	180	ACO162A	PS710	0.050	0.000	0.000	0.000	OK
97.000	180 min Summer	180	RWP162B	PS710	0.050	0.000	0.000	0.000	OK
91.003	960 min Winter	1571	PS710	S34	0.100	0.051	0.398	0.022	Surcharged
1.018	15 min Winter	11	S34	S36	0.375	2.599	287.094	2.571	Surcharged
1.019	15 min Winter	11	S36	S37	0.375	3.358	350.359	2.305	Surcharged
1.020	30 min Winter	16	S37	S38	0.375	0.410	19.136	0.146	Surcharged
1.021	1440 min Winter	1427	S38	S39	0.034	0.512	1.962	0.051	OK