

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	6.000	4.900	0.950	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	5.050	0.512	488691.706	97886.634
PS128	0.000	0.450	Type E	5.866	4.775	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

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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	5.675	4.725	0.850	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	4.800	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

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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	5.769	5.200	0.469	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

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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)	DS Depth To Soffit (m)
1.000	RE180B	5.600	PS753	5.500	Circ	0.1mØ	8.017	80.2	0.600	0.499	0.623
2.000	RWP180B	5.650	PS753	5.500	Circ	0.1mØ	1.229	8.2	0.600	0.474	0.623
1.001	PS753	5.500	PS750	5.300	Circ	0.1mØ	9.359	46.8	0.600	0.623	0.845
3.000	RWP180C	5.650	PS750	5.300	Circ	0.1mØ	1.155	3.3	0.600	0.479	0.845
1.002	PS750	5.300	PS119	5.200	Circ	0.1mØ	6.252	62.5	0.600	0.845	0.930
4.000	RWP178B	5.500	RE179	5.450	Circ	0.1mØ	0.680	13.6	0.600	0.450	0.495
4.001	RE179	5.450	PS118	5.350	Circ	0.1mØ	5.476	54.8	0.600	0.495	0.646
4.002	PS118	5.300	PS119	5.150	Circ	0.15mØ	11.677	77.8	0.600	0.646	0.930
1.003	PS119	5.150	PS120	5.100	Circ	0.15mØ	4.119	82.4	0.600	0.930	0.982
5.000	ACO178	5.470	RE178	5.425	Circ	0.1mØ	2.439	54.2	0.600	0.450	0.556
6.000	RWP178A	5.500	RE178	5.425	Circ	0.1mØ	0.698	9.3	0.600	0.459	0.556
5.001	RE178	5.425	PS122	5.300	Circ	0.1mØ	10.599	84.8	0.600	0.556	0.766
7.000	RWP178C	5.500	PS122	5.300	Circ	0.1mØ	0.860	4.3	0.600	0.468	0.766
5.002	PS122	5.300	PS120	5.150	Circ	0.1mØ	8.113	54.1	0.600	0.766	0.982
1.004	PS120	5.100	S45	4.925	Circ	0.15mØ	7.917	45.2	0.600	0.982	1.160
1.005	S45	4.850	S46	4.790	Circ	0.225mØ	13.467	224.5	0.600	1.160	1.258
1.006	S46	4.790	S47	4.650	Circ	0.225mØ	28.835	206.0	0.600	1.258	1.256
8.000	RE183A	5.600	PS755	5.475	Circ	0.1mØ	11.770	94.2	0.600	0.512	0.631
8.001	PS755	5.475	PS731	5.300	Circ	0.1mØ	12.689	72.5	0.600	0.631	0.840
9.000	RWP184A	5.650	PS731	5.300	Circ	0.1mØ	2.929	8.4	0.600	0.624	0.840
8.002	PS731	5.300	PS50	5.200	Circ	0.1mØ	3.722	37.2	0.600	0.840	0.912
10.000	DF185	5.300	PS50	5.150	Circ	0.15mØ	13.271	88.5	0.600	0.631	0.912
8.003	PS50	5.150	S47	4.725	Circ	0.15mØ	7.689	18.1	0.600	0.912	1.256
1.007	S47	4.650	S48	4.505	Circ	0.225mØ	29.175	201.2	0.600	1.256	1.202
11.000	RE187A	5.400	PS761	5.275	Circ	0.1mØ	11.275	90.2	0.600	0.491	0.606
11.001	PS761	5.275	PS762	5.150	Circ	0.1mØ	12.302	98.4	0.600	0.606	0.778
12.000	RWP188A	5.450	PS762	5.150	Circ	0.1mØ	2.868	9.6	0.600	0.599	0.778
11.002	PS762	5.150	PS54	5.100	Circ	0.1mØ	4.004	80.1	0.600	0.778	0.830
13.000	DF189	5.150	PS54	5.050	Circ	0.15mØ	7.375	73.8	0.600	0.625	0.830
14.000	RWP189A	5.350	PS54	5.100	Circ	0.1mØ	3.125	12.5	0.600	0.598	0.830
11.003	PS54	5.050	S48	4.580	Circ	0.15mØ	6.818	14.5	0.600	0.830	1.202
1.008	S48	4.505	S142	4.435	Circ	0.225mØ	14.929	213.3	0.600	1.202	1.178
15.000	RE189A	5.300	PS766	5.175	Circ	0.1mØ	11.670	93.4	0.600	0.496	0.614
15.001	PS766	5.175	PS767	5.050	Circ	0.1mØ	12.351	98.8	0.600	0.614	0.771
16.000	RWP190A	5.350	PS767	5.050	Circ	0.1mØ	2.954	9.8	0.600	0.599	0.771
15.002	PS767	5.050	PS56	4.950	Circ	0.1mØ	3.647	36.5	0.600	0.771	0.868
17.000	DF191	5.000	PS56	4.900	Circ	0.15mØ	6.991	69.9	0.600	0.644	0.868
18.000	RWP191A	5.225	PS56	4.950	Circ	0.1mØ	3.226	11.7	0.600	0.599	0.868
15.003	PS56	4.900	S142	4.510	Circ	0.15mØ	6.761	17.3	0.600	0.868	1.178

Pipe Schedule

Pipe Number	US Manhole	US IL (m)	DS Manhole	DS IL (m)	Shape	Dimension (m)	Length (m)	Gradient (1:x)	Roughness (mm)	US Depth To Soffit (m)	DS Depth To Soffit (m)
1.009	S142	4.435	S139	4.350	Circ	0.225mØ	12.596	148.2	0.600	1.178	1.125
1.010	S139	4.350	S140	4.200	Circ	0.225mØ	9.005	60.0	0.600	1.125	1.275
19.000	RWP248A	5.350	RE248A	5.300	Circ	0.1mØ	0.851	17.0	0.600	0.415	0.443
19.001	RE248A	5.300	PS597	5.150	Circ	0.1mØ	7.834	52.2	0.600	0.443	0.643
20.000	RE249B	5.300	PS597	5.150	Circ	0.1mØ	7.136	47.6	0.600	0.504	0.643
19.002	PS597	5.150	PS596	4.950	Circ	0.1mØ	14.152	70.8	0.600	0.643	0.950
21.000	RWP248B	5.350	RE248B	5.300	Circ	0.1mØ	0.570	11.4	0.600	0.414	0.489
21.001	RE248B	5.300	PS596	4.950	Circ	0.1mØ	8.478	24.2	0.600	0.489	0.950
22.000	RWP249B	5.400	RE249A	5.350	Circ	0.1mØ	0.652	13.0	0.600	0.437	0.498
22.001	RE249A	5.350	PS596	4.950	Circ	0.1mØ	7.482	18.7	0.600	0.498	0.950
19.003	PS596	4.900	S51	4.655	Circ	0.15mØ	7.205	29.4	0.600	0.950	1.157
19.004	S51	4.580	S52	4.450	Circ	0.225mØ	29.123	224.0	0.600	1.157	1.101
23.000	RWP250	5.200	RE250A	5.170	Circ	0.1mØ	1.009	33.6	0.600	0.474	0.491
23.001	RE250A	5.170	PS603	5.100	Circ	0.1mØ	5.868	83.8	0.600	0.491	0.661
23.002	PS603	5.100	PS604	4.950	Circ	0.1mØ	12.632	84.2	0.600	0.661	0.888
23.003	PS604	4.950	PS128	4.825	Circ	0.1mØ	10.975	87.8	0.600	0.888	0.941
24.000	DF251	5.050	PS128	4.775	Circ	0.15mØ	3.273	11.9	0.600	0.512	0.941
23.004	PS128	4.775	PS129	4.675	Circ	0.15mØ	6.391	63.9	0.600	0.941	1.021
25.000	RWP251C	5.300	PS129	4.725	Circ	0.1mØ	1.571	2.7	0.600	0.450	1.021
23.005	PS129	4.675	S52	4.525	Circ	0.15mØ	6.666	44.4	0.600	1.021	1.101
19.005	S52	4.450	S141	4.350	Circ	0.225mØ	14.803	148.0	0.600	1.101	1.125
19.006	S141	4.350	S140	4.200	Circ	0.225mØ	10.958	73.1	0.600	1.125	1.275
1.011	S140	4.200	S143	4.155	Circ	0.225mØ	8.688	193.1	0.600	1.275	1.402
1.012	S143	4.155	S50	4.075	Circ	0.225mØ	13.320	166.5	0.600	1.402	1.227
26.000	RWP251B	5.100	RE251A	5.050	Circ	0.1mØ	1.288	25.8	0.600	0.500	0.551
26.001	RE251A	5.050	PS606	4.875	Circ	0.1mØ	12.254	70.0	0.600	0.551	0.689
27.000	RWP253A	5.000	RE253A	4.975	Circ	0.1mØ	1.239	49.6	0.600	0.494	0.462
27.001	RE253A	4.975	PS606	4.875	Circ	0.1mØ	6.890	68.9	0.600	0.462	0.689
26.002	PS606	4.875	PS607	4.725	Circ	0.1mØ	12.068	80.5	0.600	0.689	0.850
26.003	PS607	4.725	PS608	4.500	Circ	0.1mØ	12.963	57.6	0.600	0.850	1.134
28.000	RWP255A	5.000	RE255A	4.950	Circ	0.1mØ	1.310	26.2	0.600	0.450	0.479
28.001	RE255A	4.950	PS610	4.850	Circ	0.1mØ	6.306	63.1	0.600	0.479	0.625
29.000	ACO254	5.045	PS610	4.850	Circ	0.1mØ	2.518	12.9	0.600	0.450	0.625
28.002	PS610	4.850	PS611	4.600	Circ	0.1mØ	13.168	52.7	0.600	0.625	0.973
28.003	PS611	4.600	PS608	4.500	Circ	0.1mØ	4.723	47.2	0.600	0.973	1.134
26.004	PS608	4.450	S145	4.285	Circ	0.15mØ	6.743	40.9	0.600	1.134	1.218
26.005	S145	4.210	S50	4.075	Circ	0.225mØ	18.593	137.7	0.600	1.218	1.227
30.000	RE191A	5.125	PS732	5.000	Circ	0.1mØ	11.919	95.4	0.600	0.541	0.643
31.000	GY192A	5.100	PS732	4.950	Circ	0.15mØ	2.069	13.8	0.600	0.482	0.643
30.001	PS732	4.950	PS733	4.800	Circ	0.15mØ	12.522	83.5	0.600	0.643	0.877
32.000	RWP192A	5.225	PS733	4.850	Circ	0.1mØ	3.276	8.7	0.600	0.599	0.877
30.002	PS733	4.800	S144	4.391	Circ	0.15mØ	9.574	23.4	0.600	0.877	1.183
30.003	S144	4.391	S50	4.150	Circ	0.15mØ	18.199	75.5	0.600	1.183	1.227
33.000	RWP255B	5.000	PS131	4.600	Circ	0.1mØ	4.929	12.3	0.600	0.470	0.851
34.000	DF255	4.800	PS131	4.550	Circ	0.15mØ	2.882	11.5	0.600	0.524	0.851
33.001	PS131	4.550	S50	4.150	Circ	0.15mØ	7.836	19.6	0.600	0.851	1.227
1.013	S50	4.000	S30	3.900	Circ	0.3mØ	31.234	312.3	0.600	1.227	1.134
35.000	RWP229D	5.000	RE229B	4.950	Circ	0.1mØ	1.298	26.0	0.600	0.524	0.554
35.001	RE229B	4.950	PS776	4.850	Circ	0.1mØ	8.653	86.5	0.600	0.554	0.658
36.000	RWP229E	5.000	RE229C	4.950	Circ	0.1mØ	0.890	17.8	0.600	0.524	0.572
36.001	RE229C	4.950	PS776	4.850	Circ	0.1mØ	7.421	74.2	0.600	0.572	0.658
37.000	RWP229C	5.000	PS776	4.850	Circ	0.1mØ	1.370	9.1	0.600	0.526	0.658
38.000	ACO229	5.045	PS776	4.850	Circ	0.1mØ	1.006	5.2	0.600	0.450	0.658
35.002	PS776	4.850	PS775	4.825	Circ	0.1mØ	2.290	91.6	0.600	0.658	0.692
39.000	RWP229F	5.075	PS775	4.825	Circ	0.1mØ	4.465	17.9	0.600	0.448	0.692
35.003	PS775	4.825	PS117	4.681	Circ	0.1mØ	12.929	89.9	0.600	0.692	0.902
40.000	RWP229B	5.000	RE229A	4.800	Circ	0.1mØ	3.430	17.1	0.600	0.537	0.833
40.001	RE229A	4.800	PS117	4.681	Circ	0.1mØ	9.183	77.3	0.600	0.833	0.902
41.000	DF229	4.900	PS117	4.631	Circ	0.15mØ	5.649	21.0	0.600	0.519	0.902
35.004	PS117	4.631	S147	4.279	Circ	0.15mØ	5.017	14.2	0.600	0.902	1.188
35.005	S147	4.279	S29	4.125	Circ	0.15mØ	14.745	95.8	0.600	1.188	1.249
42.000	ACO232	4.820	RE232A	4.800	Circ	0.1mØ	2.063	103.2	0.600	0.450	0.548
42.001	RE232A	4.800	PS247	4.685	Circ	0.1mØ	11.517	100.1	0.600	0.548	0.716
42.002	PS247	4.635	PS105	4.550	Circ	0.15mØ	12.179	143.3	0.600	0.716	0.838
43.000	ACO234	4.970	RE234A	4.925	Circ	0.1mØ	2.352	52.3	0.600	0.465	0.512
44.000	RWP234A	5.000	RE234A	4.925	Circ	0.1mØ	0.910	12.1	0.600	0.450	0.512
43.001	RE234A	4.925	PS245	4.800	Circ	0.1mØ	10.238	81.9	0.600	0.512	0.692
45.000	RWP234B	5.000	PS245	4.800	Circ	0.1mØ	0.864	4.3	0.600	0.450	0.692

Pipe Schedule

Pipe Number	US Manhole	US IL (m)	DS Manhole	DS IL (m)	Shape	Dimension (m)	Length (m)	Gradient (1:x)	Roughness (mm)	US Depth To Soffit (m)	DS Depth To Soffit (m)
43.002	PS245	4.800	PS105	4.600	Circ	0.1mØ	6.844	34.2	0.600	0.692	0.838
46.000	RWP233A	4.850	PS842	4.700	Circ	0.1mØ	6.163	41.1	0.600	0.450	0.623
47.000	ACO233	4.820	PS842	4.700	Circ	0.1mØ	2.223	18.5	0.600	0.450	0.623
48.000	DF233	4.775	PS842	4.650	Circ	0.15mØ	1.914	15.3	0.600	0.540	0.623
49.000	RWP233B	4.850	PS842	4.700	Circ	0.1mØ	1.248	8.3	0.600	0.450	0.623
46.001	PS842	4.650	PS105	4.550	Circ	0.15mØ	11.206	112.1	0.600	0.623	0.838
42.003	PS105	4.550	S55	4.201	Circ	0.15mØ	4.504	12.9	0.600	0.838	1.192
42.004	S55	4.201	S29	4.125	Circ	0.15mØ	10.936	143.5	0.600	1.192	1.249
50.000	RWP230C	5.000	RE230A	4.980	Circ	0.1mØ	0.748	37.4	0.600	0.448	0.447
50.001	RE230A	4.980	PS835	4.860	Circ	0.1mØ	12.024	100.2	0.600	0.447	0.597
51.000	RWP230A	5.000	PS835	4.860	Circ	0.1mØ	0.762	5.4	0.600	0.450	0.597
50.002	PS835	4.860	PS738	4.600	Circ	0.1mØ	10.727	41.3	0.600	0.597	0.873
50.003	PS738	4.600	PS103	4.400	Circ	0.1mØ	11.406	57.0	0.600	0.873	1.079
52.000	ACO231B	4.910	RE231A	4.850	Circ	0.1mØ	1.949	32.5	0.600	0.435	0.582
52.001	RE231A	4.850	PS692	4.650	Circ	0.1mØ	10.671	53.4	0.600	0.582	0.757
52.002	PS692	4.650	PS693	4.450	Circ	0.1mØ	11.479	57.4	0.600	0.757	0.990
53.000	RE231B	5.075	PS836	4.800	Circ	0.1mØ	8.123	29.5	0.600	0.445	0.599
54.000	RWP231F	4.900	PS836	4.800	Circ	0.1mØ	5.786	57.9	0.600	0.473	0.599
55.000	ACO231	4.910	PS836	4.800	Circ	0.1mØ	1.617	14.7	0.600	0.450	0.599
53.001	PS836	4.800	PS693	4.450	Circ	0.1mØ	10.383	29.7	0.600	0.599	0.990
52.003	PS693	4.450	PS103	4.400	Circ	0.1mØ	2.257	45.1	0.600	0.990	1.079
56.000	PS102	4.750	PS103	4.350	Circ	0.15mØ	3.050	7.6	0.600	0.602	1.079
50.004	PS103	4.350	S29	4.125	Circ	0.15mØ	5.530	24.6	0.600	1.079	1.249
35.006	S29	3.975	S30	3.900	Circ	0.3mØ	17.547	234.0	0.600	1.249	1.134
57.000	RE193B	5.070	PS770	4.800	Circ	0.1mØ	10.287	38.1	0.600	0.442	0.726
58.000	RE193A	5.070	PS769	4.950	Circ	0.1mØ	7.318	61.0	0.600	0.483	0.557
58.001	PS769	4.950	PS770	4.800	Circ	0.1mØ	1.724	11.5	0.600	0.557	0.726
59.000	RWP194A	5.000	PS770	4.800	Circ	0.1mØ	5.588	27.9	0.600	0.450	0.726
60.000	RWP193C	5.075	PS770	4.800	Circ	0.1mØ	1.492	5.4	0.600	0.450	0.726
61.000	RWP193B	5.075	PS770	4.800	Circ	0.1mØ	1.486	5.4	0.600	0.449	0.726
57.001	PS770	4.800	PS695	4.675	Circ	0.1mØ	11.851	94.8	0.600	0.726	0.885
62.000	RE193C	5.070	PS695	4.675	Circ	0.1mØ	10.557	26.7	0.600	0.523	0.885
57.002	PS695	4.675	PS697	4.200	Circ	0.1mØ	11.461	24.1	0.600	0.885	1.350
63.000	RE159C	5.000	PS737	4.900	Circ	0.1mØ	9.726	97.3	0.600	0.511	0.617
64.000	RWP194C	5.075	PS737	4.900	Circ	0.1mØ	1.278	7.3	0.600	0.453	0.617
65.000	RWP159F	5.075	PS737	4.900	Circ	0.1mØ	1.256	7.2	0.600	0.449	0.617
63.001	PS737	4.900	PS699	4.800	Circ	0.1mØ	5.484	54.8	0.600	0.617	0.658
66.000	RE194A	5.075	PS801	4.900	Circ	0.1mØ	7.409	42.3	0.600	0.491	0.567
67.000	ACO194B	4.970	PS801	4.900	Circ	0.1mØ	1.440	20.6	0.600	0.450	0.567
66.001	PS801	4.900	PS699	4.800	Circ	0.1mØ	2.180	21.8	0.600	0.567	0.658
68.000	RWP194B	5.000	PS699	4.800	Circ	0.1mØ	1.383	6.9	0.600	0.451	0.658
63.002	PS699	4.800	PS696	4.300	Circ	0.1mØ	11.540	23.1	0.600	0.658	1.236
69.000	RWP159C	5.300	RE159B	5.250	Circ	0.1mØ	2.124	42.5	0.600	0.328	0.517
69.001	RE159B	5.250	PS772	4.975	Circ	0.1mØ	10.583	38.5	0.600	0.517	0.610
70.000	RWP159D	5.075	PS772	4.975	Circ	0.1mØ	1.479	14.8	0.600	0.457	0.610
69.002	PS772	4.975	PS696	4.300	Circ	0.1mØ	6.346	9.4	0.600	0.610	1.236
63.003	PS696	4.300	PS697	4.200	Circ	0.1mØ	5.002	50.0	0.600	1.236	1.350
57.003	PS697	4.150	S30	4.050	Circ	0.15mØ	8.072	80.7	0.600	1.350	1.134
1.014	S30	3.900	S31	3.835	Circ	0.3mØ	19.659	302.4	0.600	1.134	1.359
1.015	S31	3.835	S32	3.795	Circ	0.3mØ	11.865	296.6	0.600	1.359	1.546
1.016	S32	3.720	S33	3.620	Circ	0.375mØ	41.351	413.5	0.600	1.546	1.623
71.000	RWP160C	5.200	RE160A	5.150	Circ	0.1mØ	3.742	74.8	0.600	0.475	0.522
72.000	RWP160F	5.225	RE160A	5.150	Circ	0.1mØ	0.810	10.8	0.600	0.450	0.522
71.001	RE160A	5.150	PS704	4.950	Circ	0.1mØ	9.549	47.7	0.600	0.522	0.693
71.002	PS704	4.950	PS703	4.750	Circ	0.1mØ	11.984	59.9	0.600	0.693	0.988
73.000	RWP161C	5.125	RE161B	5.075	Circ	0.1mØ	2.203	44.1	0.600	0.470	0.538
73.001	RE161B	5.075	PS703	4.750	Circ	0.1mØ	13.803	42.5	0.600	0.538	0.988
71.003	PS703	4.750	PS702	4.700	Circ	0.1mØ	5.219	104.4	0.600	0.988	1.094
74.000	RWP160A	5.200	PS705	5.000	Circ	0.1mØ	3.609	18.0	0.600	0.469	0.632
75.000	GY160	5.150	PS705	5.000	Circ	0.1mØ	1.019	6.8	0.600	0.473	0.632
74.001	PS705	5.000	PS701	4.800	Circ	0.1mØ	5.336	26.7	0.600	0.632	0.916
76.000	RWP160B	5.200	PS701	4.800	Circ	0.1mØ	2.471	6.2	0.600	0.476	0.916
74.002	PS701	4.800	PS702	4.700	Circ	0.1mØ	5.488	54.9	0.600	0.916	1.094
71.004	PS702	4.650	S33	3.845	Circ	0.15mØ	6.241	7.8	0.600	1.094	1.623
1.017	S33	3.620	S34	3.550	Circ	0.375mØ	24.333	347.6	0.600	1.623	1.523
77.000	S101	4.663	S40	4.378	Circ	0.225mØ	42.073	147.6	0.600	1.200	1.200
77.001	S40	4.378	S41	4.300	Circ	0.225mØ	11.575	148.4	0.600	1.200	1.208
78.000	RWP176C	5.225	RE176	5.215	Circ	0.1mØ	0.948	94.8	0.600	0.445	0.437

Pipe Schedule

Pipe Number	US Manhole	US IL (m)	DS Manhole	DS IL (m)	Shape	Dimension (m)	Length (m)	Gradient (1:x)	Roughness (mm)	US Depth To Soffit (m)	DS Depth To Soffit (m)
78.001	RE176	5.215	PS413	5.000	Circ	0.1mØ	11.400	53.0	0.600	0.437	0.770
78.002	PS413	5.000	PS411	4.525	Circ	0.1mØ	11.910	25.1	0.600	0.770	1.211
79.000	GY176	5.090	PS410	4.850	Circ	0.15mØ	11.240	46.8	0.600	0.455	0.775
80.000	RWP176A	5.225	PS410	4.900	Circ	0.1mØ	1.491	4.6	0.600	0.464	0.775
79.001	PS410	4.850	PS411	4.475	Circ	0.15mØ	12.137	32.4	0.600	0.775	1.211
78.003	PS411	4.475	S41	4.375	Circ	0.15mØ	8.006	80.1	0.600	1.211	1.208
77.002	S41	4.300	S42	4.185	Circ	0.225mØ	26.136	227.3	0.600	1.208	1.081
77.003	S42	4.185	S43	4.075	Circ	0.225mØ	26.642	242.2	0.600	1.081	1.012
77.004	S43	3.925	S44	3.775	Circ	0.375mØ	47.122	314.1	0.600	1.012	0.869
81.000	DF168	4.450	PS85	4.350	Circ	0.15mØ	2.972	29.7	0.600	0.598	0.698
82.000	RWP168C	4.625	PS85	4.400	Circ	0.1mØ	1.743	7.7	0.600	0.451	0.698
81.001	PS85	4.350	S44	4.000	Circ	0.15mØ	10.856	31.0	0.600	0.698	0.869
77.005	S44	3.775	S35	3.710	Circ	0.375mØ	20.208	310.9	0.600	0.869	1.006
83.000	RWP168D	4.625	RE168	4.600	Circ	0.1mØ	1.173	46.9	0.600	0.451	0.502
83.001	RE168	4.600	PS773	4.500	Circ	0.1mØ	7.654	76.5	0.600	0.502	0.632
84.000	ACO167	4.670	PS773	4.500	Circ	0.1mØ	4.916	28.9	0.600	0.450	0.632
85.000	RWP168A	4.625	PS773	4.500	Circ	0.1mØ	1.796	14.4	0.600	0.452	0.632
86.000	RWP167C	4.700	PS773	4.500	Circ	0.1mØ	1.753	8.8	0.600	0.450	0.632
83.002	PS773	4.450	PS774	4.200	Circ	0.15mØ	14.417	57.7	0.600	0.632	0.931
83.003	PS774	4.200	S35	3.935	Circ	0.15mØ	13.583	51.3	0.600	0.931	1.006
87.000	ACO165B	4.820	RE165A	4.750	Circ	0.1mØ	2.409	34.4	0.600	0.375	0.500
87.001	RE165A	4.750	PS717	4.400	Circ	0.1mØ	13.473	38.5	0.600	0.500	0.950
87.002	PS717	4.400	PS718	4.100	Circ	0.1mØ	12.741	42.5	0.600	0.950	1.167
88.000	RE166A	4.750	PS719	4.400	Circ	0.1mØ	6.225	17.8	0.600	0.501	0.786
89.000	RWP167A	4.700	PS719	4.400	Circ	0.1mØ	2.251	7.5	0.600	0.456	0.786
90.000	ACO166	4.820	PS719	4.400	Circ	0.1mØ	1.254	3.0	0.600	0.374	0.786
88.001	PS719	4.350	PS718	4.050	Circ	0.15mØ	13.730	45.8	0.600	0.786	1.167
87.003	PS718	4.050	S35	3.935	Circ	0.15mØ	6.361	55.3	0.600	1.167	1.006
77.006	S35	3.710	S137	3.655	Circ	0.375mØ	16.910	307.4	0.600	1.006	1.189
77.007	S137	3.655	S34	3.550	Circ	0.375mØ	29.752	283.3	0.600	1.189	1.523
91.000	RWP161D	5.175	RE161A	5.150	Circ	0.1mØ	0.672	26.9	0.600	0.425	0.450
91.001	RE161A	5.150	PS709	4.875	Circ	0.1mØ	13.258	48.2	0.600	0.450	0.558
92.000	RWP162D	5.050	RE162B	5.000	Circ	0.1mØ	0.901	18.0	0.600	0.398	0.441
92.001	RE162B	5.000	PS708	4.900	Circ	0.1mØ	8.889	88.9	0.600	0.441	0.538
93.000	RE162A	5.000	PS708	4.900	Circ	0.1mØ	7.634	76.3	0.600	0.460	0.538
94.000	RWP162E	5.050	PS708	4.900	Circ	0.1mØ	0.985	6.6	0.600	0.392	0.538
92.002	PS708	4.900	PS709	4.875	Circ	0.1mØ	1.609	64.4	0.600	0.538	0.558
95.000	RWP162A	5.050	PS709	4.968	Circ	0.1mØ	1.065	13.1	0.600	0.383	0.465
91.002	PS709	4.875	PS710	4.400	Circ	0.1mØ	10.147	21.4	0.600	0.558	1.122
96.000	ACO162A	4.900	PS710	4.400	Circ	0.1mØ	2.056	4.1	0.600	0.524	1.122
97.000	RWP162B	5.050	PS710	4.400	Circ	0.1mØ	1.334	2.1	0.600	0.415	1.122
91.003	PS710	4.400	S34	3.825	Circ	0.1mØ	6.500	11.3	0.600	1.122	1.523
1.018	S34	3.550	S36	3.525	Circ	0.375mØ	7.922	316.9	0.600	1.523	1.100
1.019	S36	3.525	S37	3.425	Circ	0.375mØ	17.213	172.1	0.600	1.100	1.200
1.020	S37	3.425	S38	3.400	Circ	0.375mØ	5.770	230.8	0.600	1.200	1.175
1.021	S38	3.400	S39	3.330	Circ	0.225mØ	12.896	184.2	0.600	1.325	0.945

Permeable Paving Schedule

Permeable Paving	Assigned Manhole	Effective Storage Volume (m3)	CL (m)	IL (m)	Storage Infil Rate (m/hr)	Safety Factor	Easting (m)	Northing (m)
Permeable Paving33	DF185	9.116	6.081	5.601	0.00000000	2.00	488640.088	97963.337
Permeable Paving31	DF189	7.870	5.925	5.445	0.00000000	2.00	488631.661	97931.753
Permeable Paving30	DF191	9.098	5.794	5.314	0.00000000	2.00	488629.229	97914.216
Permeable Paving62	DF251	7.332	5.712	5.232	0.00000000	2.00	488695.818	97883.535
Permeable Paving61	DF255	7.705	5.474	4.994	0.00000000	2.00	488657.379	97863.663
Permeable Paving60	DF229	8.833	5.569	5.089	0.00000000	2.00	488605.989	97829.438
Permeable Paving54	DF233	7.468	5.465	4.985	0.00000000	2.00	488638.603	97848.831
Permeable Paving86	PS102	8.570	5.502	4.922	0.00000000	2.00	488612.163	97844.887
Permeable Paving47	DF168	7.899	5.198	4.718	0.00000000	2.00	488616.752	98002.409

Outfall Details

Outfall Manhole S39 : Surcharged (Constant Level)

Surcharged Constant

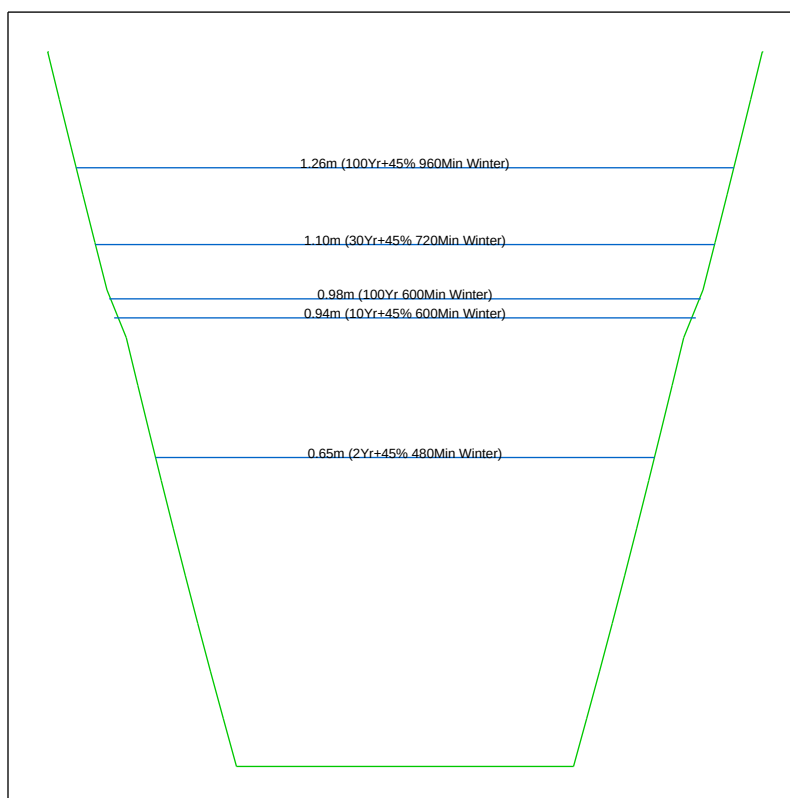
Water Elevation (m)	Water Depth (m)
4.500	1.170

Flow Control Details

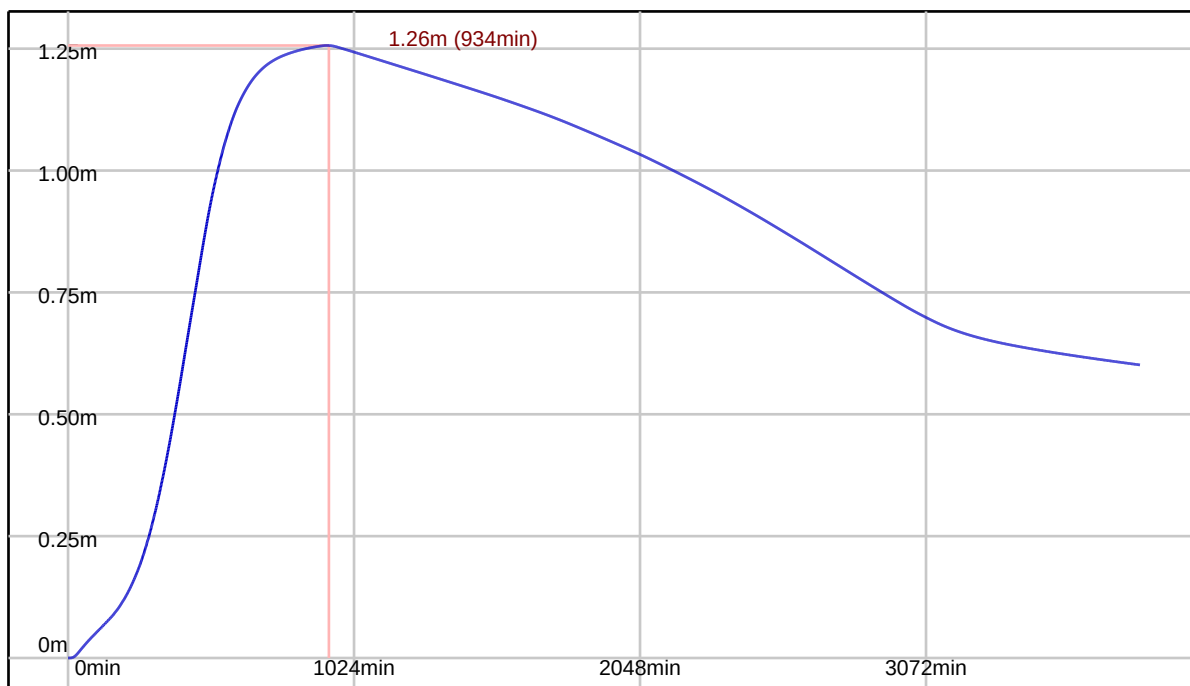
Pond Structure at Manhole S140

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)

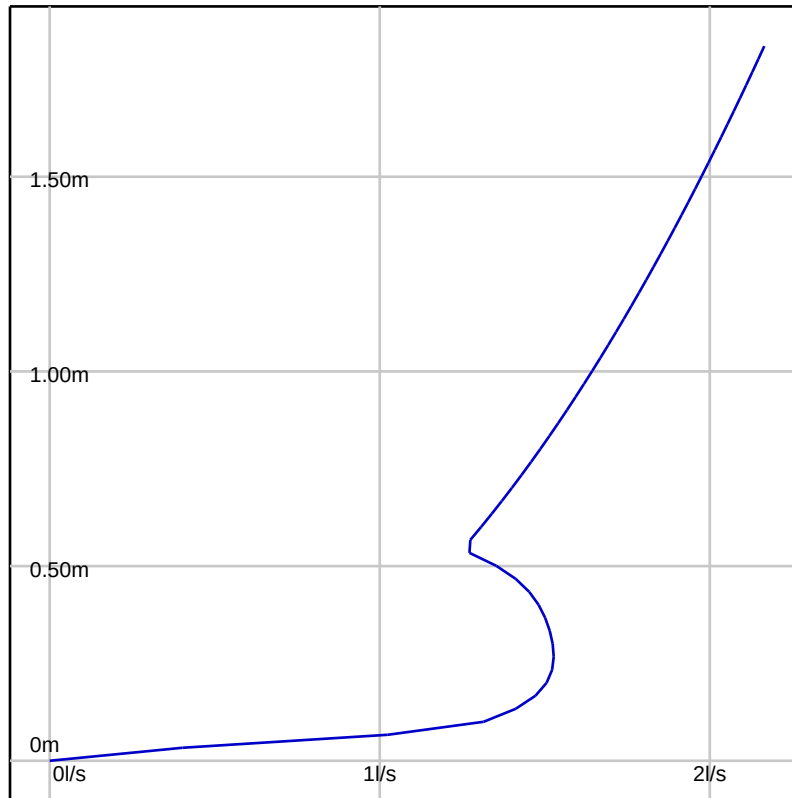


Controls within Manhole S143

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

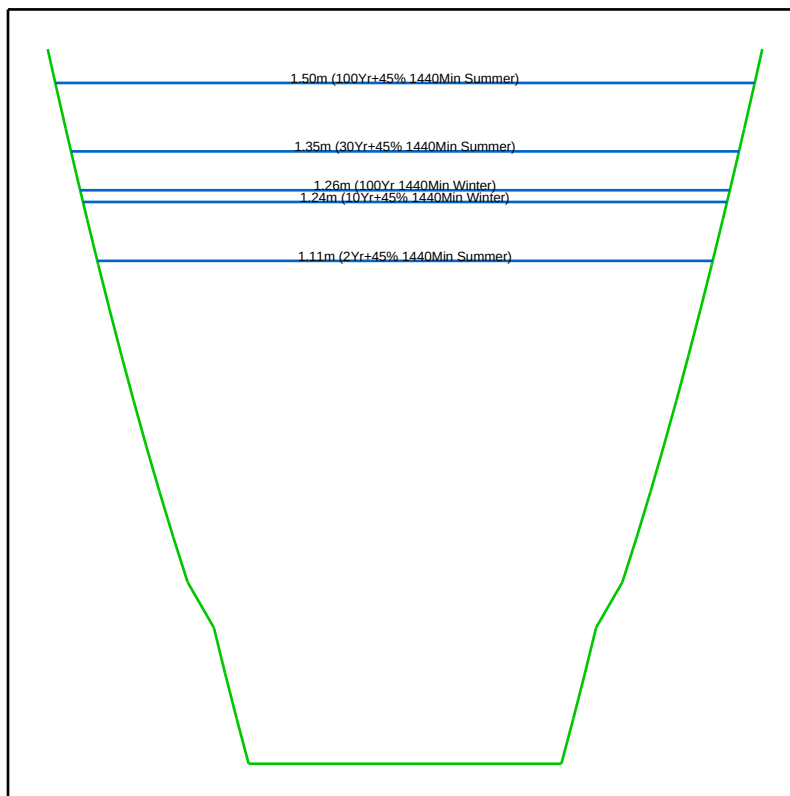
Hydro-Brake® Optimum Control at S143



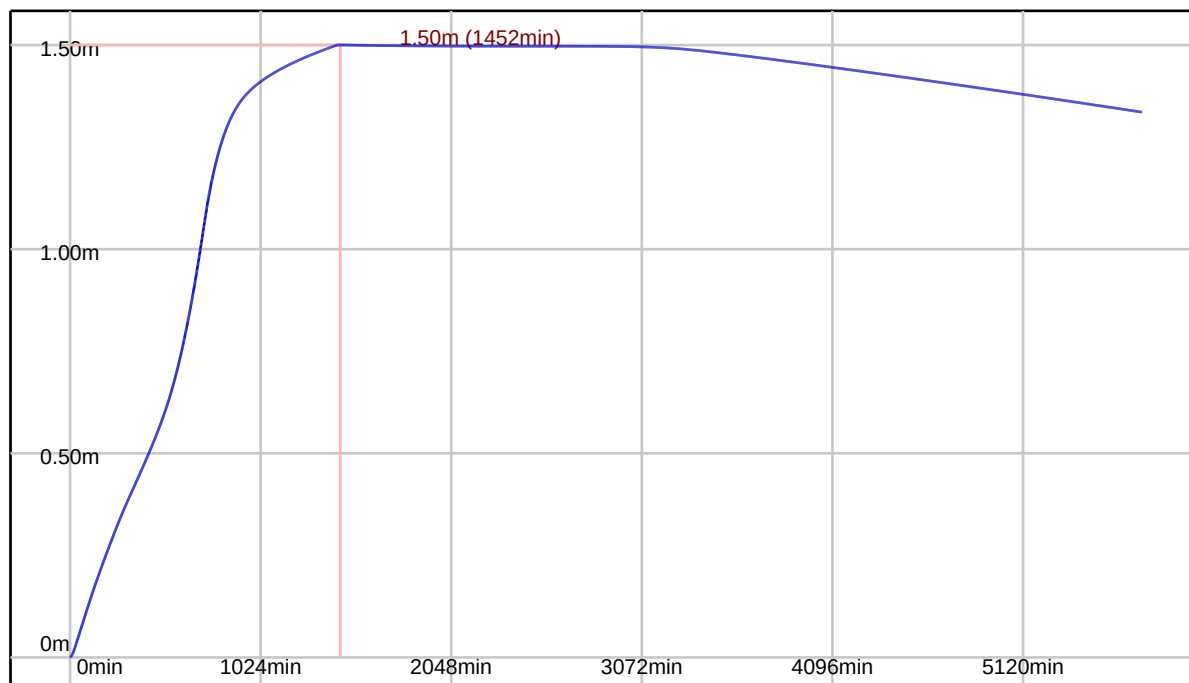
Pond Structure at Manhole S37

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 Summer)

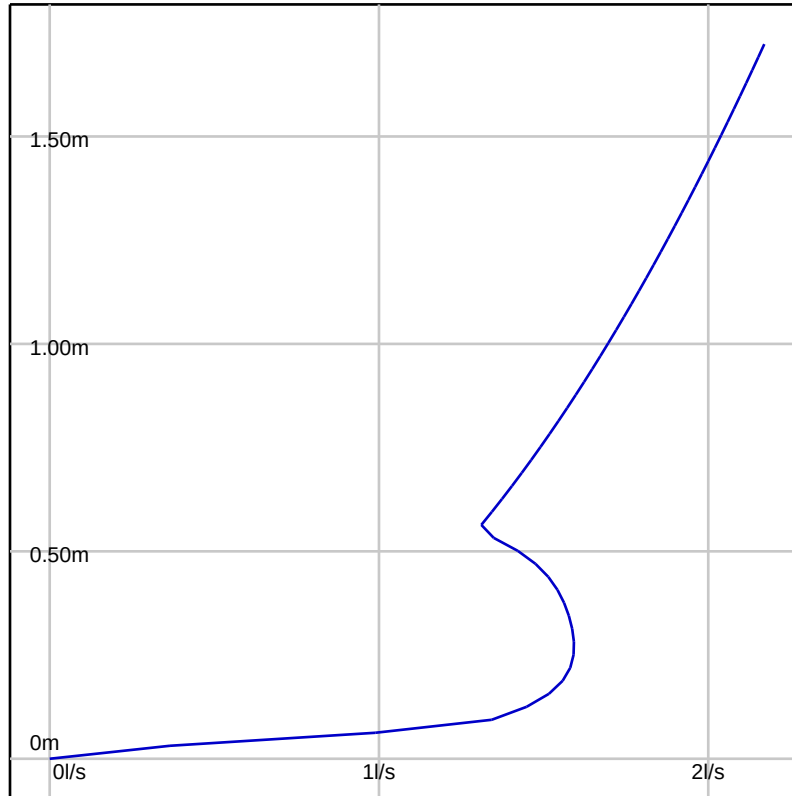


Controls within Manhole S38

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: (2, +45%), (10, +45%), (30, +45%), (100, +0%), (100, +45%)

Simulated Rainfall Events

Storm	Average Intensity (mm/hr)	Runoff Continuity %	Flow Continuity %	Storm	Average Intensity (mm/hr)	Runoff Continuity %	Flow Continuity %
2Yr+45% 15Min Winter	47.734	0.00	0.54	30Yr+45% 360Min Summer	12.224	0.00	2.99
2Yr+45% 15Min Summer	47.734	0.00	0.56	30Yr+45% 360Min Winter	12.224	0.00	3.00
2Yr+45% 30Min Winter	31.030	0.00	0.94	30Yr+45% 480Min Summer	9.702	0.00	2.95
2Yr+45% 30Min Summer	31.030	0.00	0.94	30Yr+45% 480Min Winter	9.702	0.00	2.96
2Yr+45% 60Min Summer	19.285	0.00	1.39	30Yr+45% 600Min Summer	8.089	0.00	2.83
2Yr+45% 60Min Winter	19.285	0.00	1.39	30Yr+45% 600Min Winter	8.089	0.00	2.83
2Yr+45% 120Min Winter	12.930	0.00	1.97	30Yr+45% 720Min Summer	6.961	0.00	2.70
2Yr+45% 120Min Summer	12.930	0.00	1.98	30Yr+45% 720Min Winter	6.961	0.00	2.70
2Yr+45% 180Min Summer	10.105	0.00	2.34	30Yr+45% 960Min Summer	5.492	0.00	2.43
2Yr+45% 180Min Winter	10.105	0.00	2.33	30Yr+45% 960Min Winter	5.492	0.00	2.43
2Yr+45% 240Min Winter	8.254	0.00	2.53	30Yr+45% 1440Min Summer	3.953	0.00	1.99
2Yr+45% 240Min Summer	8.254	0.00	2.54	30Yr+45% 1440Min Winter	3.953	0.00	2.00
2Yr+45% 360Min Summer	6.188	0.00	2.75	100Yr 15Min Summer	100.880	0.00	1.91
2Yr+45% 360Min Winter	6.188	0.00	2.75	100Yr 15Min Winter	100.880	0.00	1.86
2Yr+45% 480Min Summer	5.020	0.00	2.86	100Yr 30Min Summer	66.884	0.00	2.44
2Yr+45% 480Min Winter	5.020	0.00	2.85	100Yr 30Min Winter	66.884	0.00	2.41
2Yr+45% 600Min Summer	4.237	0.00	2.93	100Yr 60Min Summer	42.434	0.00	2.79
2Yr+45% 600Min Winter	4.237	0.00	2.93	100Yr 60Min Winter	42.434	0.00	2.79
2Yr+45% 720Min Winter	3.677	0.00	2.96	100Yr 120Min Summer	24.790	0.00	2.96
2Yr+45% 720Min Summer	3.677	0.00	2.97	100Yr 120Min Winter	24.790	0.00	2.97
2Yr+45% 960Min Summer	2.945	0.00	2.99	100Yr 180Min Summer	17.968	0.00	3.03
2Yr+45% 960Min Winter	2.945	0.00	2.99	100Yr 180Min Winter	17.968	0.00	3.03
2Yr+45% 1440Min Summer	2.154	0.00	2.81	100Yr 240Min Summer	14.430	0.00	3.06
2Yr+45% 1440Min Winter	2.154	0.00	2.83	100Yr 240Min Winter	14.430	0.00	3.06
10Yr+45% 15Min Summer	90.144	0.00	1.72	100Yr 360Min Summer	10.466	0.00	3.05
10Yr+45% 15Min Winter	90.144	0.00	1.63	100Yr 360Min Winter	10.466	0.00	3.05
10Yr+45% 30Min Summer	58.702	0.00	2.15	100Yr 480Min Summer	8.295	0.00	2.99
10Yr+45% 30Min Winter	58.702	0.00	2.13	100Yr 480Min Winter	8.295	0.00	3.00
10Yr+45% 60Min Summer	36.665	0.00	2.60	100Yr 600Min Summer	6.919	0.00	2.80
10Yr+45% 60Min Winter	36.665	0.00	2.59	100Yr 600Min Winter	6.919	0.00	2.81
10Yr+45% 120Min Summer	22.521	0.00	2.88	100Yr 720Min Summer	5.959	0.00	2.61
10Yr+45% 120Min Winter	22.521	0.00	2.89	100Yr 720Min Winter	5.959	0.00	2.61
10Yr+45% 180Min Summer	16.756	0.00	2.99	100Yr 960Min Summer	4.708	0.00	2.35
10Yr+45% 180Min Winter	16.756	0.00	2.99	100Yr 960Min Winter	4.708	0.00	2.35
10Yr+45% 240Min Summer	13.465	0.00	3.04	100Yr 1440Min Summer	3.395	0.00	2.04
10Yr+45% 240Min Winter	13.465	0.00	3.04	100Yr 1440Min Winter	3.395	0.00	2.05
10Yr+45% 360Min Summer	9.827	0.00	3.06	100Yr+45% 15Min Summer	146.276	0.00	2.67
10Yr+45% 360Min Winter	9.827	0.00	3.06	100Yr+45% 15Min Winter	146.276	0.00	2.60
10Yr+45% 480Min Winter	7.833	0.00	3.03	100Yr+45% 30Min Summer	96.982	0.00	2.94
10Yr+45% 480Min Summer	7.833	0.00	3.03	100Yr+45% 30Min Winter	96.982	0.00	2.91
10Yr+45% 600Min Summer	6.549	0.00	2.84	100Yr+45% 60Min Summer	61.530	0.00	3.05
10Yr+45% 600Min Winter	6.549	0.00	2.85	100Yr+45% 60Min Winter	61.530	0.00	3.04
10Yr+45% 720Min Summer	5.645	0.00	2.66	100Yr+45% 120Min Summer	35.946	0.00	3.08
10Yr+45% 720Min Winter	5.645	0.00	2.67	100Yr+45% 120Min Winter	35.946	0.00	3.09
10Yr+45% 960Min Summer	4.467	0.00	2.41	100Yr+45% 180Min Summer	26.053	0.00	3.06
10Yr+45% 960Min Winter	4.467	0.00	2.41	100Yr+45% 180Min Winter	26.053	0.00	3.07
10Yr+45% 1440Min Summer	3.223	0.00	2.11	100Yr+45% 240Min Summer	20.923	0.00	3.11
10Yr+45% 1440Min Winter	3.223	0.00	2.11	100Yr+45% 240Min Winter	20.923	0.00	3.11
30Yr+45% 15Min Summer	116.894	0.00	2.21	100Yr+45% 360Min Summer	15.176	0.00	3.33
30Yr+45% 15Min Winter	116.894	0.00	2.12	100Yr+45% 360Min Winter	15.176	0.00	3.32
30Yr+45% 30Min Summer	76.716	0.00	2.66	100Yr+45% 480Min Summer	12.028	0.00	3.48
30Yr+45% 30Min Winter	76.716	0.00	2.64	100Yr+45% 480Min Winter	12.028	0.00	3.48
30Yr+45% 60Min Summer	48.209	0.00	2.91	100Yr+45% 600Min Summer	10.033	0.00	3.38
30Yr+45% 60Min Winter	48.209	0.00	2.90	100Yr+45% 600Min Winter	10.033	0.00	3.38
30Yr+45% 120Min Summer	28.721	0.00	3.02	100Yr+45% 720Min Summer	8.641	0.00	3.29

Simulated Rainfall Events

Storm	Average Intensity (mm/hr)	Runoff Continuity %	Flow Continuity %	Storm	Average Intensity (mm/hr)	Runoff Continuity %	Flow Continuity %
30Yr+45% 120Min Winter	28.721	0.00	3.04	100Yr+45% 720Min Winter	8.641	0.00	3.29
30Yr+45% 180Min Summer	21.032	0.00	3.06	100Yr+45% 960Min Summer	6.827	0.00	3.10
30Yr+45% 180Min Winter	21.032	0.00	3.07	100Yr+45% 960Min Winter	6.827	0.00	3.09
30Yr+45% 240Min Summer	16.846	0.00	3.06	100Yr+45% 1440Min Winter	4.922	0.00	2.69
30Yr+45% 240Min Winter	16.846	0.00	3.07	100Yr+45% 1440Min Summer	4.922	0.00	2.70

Simulation Results

Return Period Yrs: 2.0

Climate Change %: 45

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RE180B	15 min Summer	8	5.627	0.027	1.037		OK
RWP180B	-	0	5.650	0.000	0.000		OK
PS753	15 min Summer	8	5.523	0.023	1.026		OK
RWP180C	-	0	5.650	0.000	0.000		OK
PS750	15 min Summer	9	5.325	0.025	1.015		OK
RWP178B	-	0	5.500	0.000	0.000		OK
RE179	15 min Summer	8	5.478	0.028	1.387		OK
PS118	15 min Summer	8	5.326	0.026	1.375		OK
PS119	15 min Summer	9	5.185	0.035	2.375		OK
ACO178	-	0	5.470	0.000	0.000		OK
RWP178A	-	0	5.500	0.000	0.000		OK
RE178	15 min Summer	8	5.458	0.033	1.499		OK
RWP178C	-	0	5.500	0.000	0.000		OK
PS122	15 min Summer	8	5.329	0.029	1.485		OK
PS120	15 min Summer	9	5.139	0.039	3.854		OK
S45	15 min Summer	9	4.936	0.086	10.785		OK
S46	15 min Summer	9	4.919	0.129	22.776		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	120 min Summer	69	5.322	0.022	0.801		OK
PS50	120 min Summer	69	5.164	0.014	0.802		OK
S47	480 min Winter	458	4.849	0.199	0.585		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	120 min Summer	68	5.170	0.020	0.726		OK
RWP189A	-	0	5.350	0.000	0.000		OK
PS54	120 min Summer	68	5.063	0.013	0.726		OK
S48	480 min Winter	458	4.849	0.344	0.795		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	-	0	5.050	0.000	0.000		OK
DF191	120 min Summer	69	5.021	0.021	0.800		OK
RWP191A	-	0	5.225	0.000	0.000		OK
PS56	120 min Summer	69	4.914	0.014	0.801		OK
S142	480 min Winter	458	4.848	0.413	0.838		Surcharged
S139	480 min Winter	459	4.848	0.498	0.814		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	-	0	4.900	0.000	0.000		OK
S51	480 min Winter	458	4.848	0.268	0.326		Surcharged
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	60 min Summer	37	5.062	0.012	0.698		OK
PS128	480 min Winter	458	4.848	0.073	0.034		OK
RWP251C	-	0	5.300	0.000	0.000		OK
PS129	480 min Winter	458	4.848	0.173	0.034		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S52	480 min Winter	459	4.848	0.398	0.346		Surcharged
S141	480 min Winter	459	4.848	0.498	0.346		Surcharged
S140	480 min Winter	459	4.848	0.648	1.301		Surcharged
S143	480 min Winter	459	4.848	0.693	1.305		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	1440 min Summer	1780	4.534	0.084	0.000		OK
S145	1440 min Summer	1780	4.534	0.324	0.023		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	1440 min Summer	1815	4.534	0.143	0.001		OK
RWP255B	-	0	5.000	0.000	0.000		OK
DF255	120 min Summer	68	4.812	0.012	0.715		OK
PS131	60 min Summer	38	4.564	0.014	0.715		OK
S50	1440 min Summer	1790	4.533	0.533	0.436		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 Summer	68	4.915	0.015	0.786		OK
PS117	120 min Summer	69	4.645	0.013	0.785		OK
S147	1440 min Summer	1861	4.534	0.255	0.000		Surcharged
ACO232	15 min Summer	8	4.851	0.031	0.032		OK
RE232A	15 min Summer	8	4.851	0.051	3.173		OK
PS247	15 min Summer	9	4.682	0.047	3.093		OK
ACO234	-	0	4.970	0.000	0.000		OK
RWP234A	-	0	5.000	0.000	0.000		OK
RE234A	15 min Summer	8	4.956	0.031	1.349		OK
RWP234B	-	0	5.000	0.000	0.000		OK
PS245	15 min Summer	8	4.824	0.024	1.336		OK
RWP233A	-	0	4.850	0.000	0.000		OK
ACO233	-	0	4.820	0.000	0.000		OK
DF233	60 min Summer	37	4.788	0.013	0.704		OK
RWP233B	-	0	4.850	0.000	0.000		OK
PS842	60 min Summer	38	4.671	0.021	0.703		OK
PS105	15 min Summer	9	4.580	0.030	4.432		OK
S55	1440 min Summer	1829	4.534	0.333	0.000		Surcharged
RWP230C	15 min Summer	9	5.001	0.001	0.000		OK
RE230A	15 min Summer	9	5.001	0.021	0.556		OK
RWP230A	-	0	5.000	0.000	0.000		OK
PS835	15 min Summer	9	4.876	0.016	0.558		OK
PS738	15 min Summer	9	4.618	0.018	0.558		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 Summer	8	5.090	0.015	0.577		OK
RWP231F	-	0	4.900	0.000	0.000		OK
ACO231	-	0	4.910	0.000	0.000		OK
PS836	15 min Summer	9	4.815	0.015	0.560		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
PS693	1440 min Summer	1812	4.534	0.084	0.000		OK
PS102	120 min Summer	69	4.760	0.010	0.569		OK
PS103	1440 min Summer	1777	4.534	0.184	0.011		Surcharged
S29	1440 min Summer	1787	4.533	0.558	0.057		Surcharged
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 Summer	1769	4.534	0.234	0.000		Surcharged
PS697	1440 min Summer	1782	4.534	0.384	0.007		Surcharged
S30	1440 min Summer	1779	4.533	0.633	0.412		Surcharged
S31	1440 min Summer	1807	4.533	0.698	0.357		Surcharged
S32	1440 min Summer	1771	4.533	0.813	0.444		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 Summer	1813	4.534	0.914	0.349		Surcharged
S101	15 min Summer	8	4.747	0.084	13.088		OK
S40	1440 min Summer	1811	4.534	0.156	0.005		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	1440 min Summer	1797	4.534	0.059	0.037		OK
S41	1440 min Summer	1797	4.534	0.234	0.034		Surcharged
S42	1440 min Summer	1804	4.534	0.349	0.094		Surcharged
S43	1440 min Summer	1806	4.534	0.609	0.000		Surcharged
DF168	1440 min Summer	1802	4.534	0.084	0.020		OK
RWP168C	-	0	4.625	0.000	0.000		OK
PS85	1440 min Summer	1802	4.534	0.184	0.039		Surcharged
S44	1440 min Summer	1792	4.534	0.759	0.000		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 Summer	1813	4.534	0.084	0.000		OK
PS774	1440 min Summer	1827	4.534	0.334	0.026		Surcharged

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	1440 min Summer	1767	4.534	0.134	0.000		Surcharged
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	1440 min Summer	1778	4.534	0.184	0.000		Surcharged
PS718	1440 min Summer	1792	4.534	0.484	0.013		Surcharged
S35	1440 min Summer	1799	4.534	0.824	0.054		Surcharged
S137	1440 min Summer	1778	4.534	0.879	0.055		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 Summer	1813	4.534	0.134	0.008		Surcharged
S34	1440 min Summer	1764	4.533	0.983	0.507		Surcharged
S36	1440 min Summer	1774	4.533	1.008	0.318		Surcharged
S37	1440 min Summer	1787	4.533	1.108	0.249		Surcharged
S38	1440 min Summer	1787	4.533	1.133	0.405		Surcharged
S39	15 min Winter	0	4.500	1.170	1.759		Outfall

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
1.000	15 min Summer	8	RE180B	PS753	0.025	0.677	1.026	0.152	OK
2.000	15 min Summer	8	RWP180B	PS753	0.011	0.000	0.000	0.000	OK
1.001	15 min Summer	9	PS753	PS750	0.024	0.718	1.015	0.115	OK
3.000	15 min Summer	9	RWP180C	PS750	0.012	0.000	0.000	0.000	OK
1.002	15 min Summer	9	PS750	PS119	0.025	0.681	1.022	0.134	OK
4.000	15 min Summer	8	RWP178B	RE179	0.014	0.000	0.000	0.000	OK
4.001	15 min Summer	8	RE179	PS118	0.028	0.777	1.375	0.168	OK
4.002	15 min Summer	9	PS118	PS119	0.031	0.526	1.363	0.068	OK
1.003	15 min Summer	9	PS119	PS120	0.037	0.708	2.387	0.122	OK
5.000	15 min Summer	8	ACO178	RE178	0.016	0.000	0.000	0.000	OK
6.000	15 min Summer	8	RWP178A	RE178	0.016	0.000	0.000	0.000	OK
5.001	15 min Summer	8	RE178	PS122	0.031	0.727	1.485	0.227	OK
7.000	15 min Summer	8	RWP178C	PS122	0.014	0.000	0.000	0.000	OK
5.002	15 min Summer	8	PS122	PS120	0.029	0.796	1.470	0.178	OK
1.004	15 min Summer	9	PS120	S45	0.039	1.076	3.869	0.146	OK
1.005	15 min Summer	9	S45	S46	0.107	0.584	10.870	0.315	OK
1.006	15 min Summer	9	S46	S47	0.163	0.790	22.974	0.638	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	120 min Summer	69	DF185	PS50	0.018	0.654	0.802	0.043	OK
8.003	480 min Winter	456	PS50	S47	0.064	0.689	0.295	0.007	OK
1.007	480 min Winter	458	S47	S48	0.212	0.573	5.004	0.137	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	120 min Summer	68	DF189	PS54	0.017	0.681	0.726	0.035	OK
14.000	15 min Winter	0	RWP189A	PS54	0.000	0.000	0.000	0.000	OK
11.003	240 min Summer	147	PS54	S48	0.080	0.690	0.567	0.012	OK
1.008	120 min Summer	111	S48	S142	0.225	1.047	24.757	0.700	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	120 min Summer	69	DF191	PS56	0.017	0.697	0.801	0.038	OK
18.000	15 min Winter	0	RWP191A	PS56	0.000	0.000	0.000	0.000	OK
15.003	180 min Summer	102	PS56	S142	0.082	0.662	0.730	0.017	OK
1.009	120 min Summer	75	S142	S139	0.225	1.265	25.274	0.594	OK
1.010	30 min Summer	32	S139	S140	0.225	1.579	43.040	0.641	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	240 min Winter	208	PS596	S51	0.075	0.000	0.000	0.000	OK
19.004	240 min Summer	217	S51	S52	0.225	0.713	7.366	0.213	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	480 min Winter	458	PS604	PS128	0.012	0.000	0.000	0.000	OK
24.000	480 min Winter	457	DF251	PS128	0.038	0.545	0.238	0.005	OK
23.004	480 min Winter	458	PS128	PS129	0.112	0.415	0.238	0.011	OK
25.000	360 min Summer	303	RWP251C	PS129	0.050	0.000	0.000	0.000	OK
23.005	480 min Summer	358	PS129	S52	0.150	0.489	0.354	0.013	Surcharged
19.005	120 min Summer	80	S52	S141	0.225	0.931	11.501	0.270	OK
19.006	30 min Summer	35	S141	S140	0.225	1.263	20.256	0.333	OK
1.011	15 min Summer	11	S140	S143	0.225	0.479	8.709	0.234	OK
1.012	480 min Winter	1050	S143	S50	0.225	0.492	1.536	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	1440 min Summer	1780	PS607	PS608	0.017	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	1440 min Summer	1780	PS611	PS608	0.017	0.000	0.000	0.000	OK
26.004	1440 min Summer	2383	PS608	S145	0.117	0.004	0.049	0.002	OK
26.005	480 min Summer	1404	S145	S50	0.225	0.680	3.610	0.082	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	1440 min Summer	1815	PS733	S144	0.071	0.000	0.000	0.000	OK
30.003	1440 min Summer	1815	S144	S50	0.146	0.476	0.446	0.022	OK
33.000	15 min Winter	0	RWP255B	PS131	0.000	0.000	0.000	0.000	OK
34.000	120 min Summer	68	DF255	PS131	0.013	0.955	0.715	0.014	OK
33.001	1440 min Summer	842	PS131	S50	0.078	0.561	0.169	0.004	OK
1.013	240 min Summer	980	S50	S30	0.300	0.564	14.039	0.225	Surcharged
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	120 min Summer	68	DF229	PS117	0.014	0.925	0.786	0.020	OK
35.004	1440 min Winter	1074	PS117	S147	0.077	0.185	0.126	0.003	OK
35.005	480 min Summer	1336	S147	S29	0.150	0.700	2.194	0.121	Surcharged
42.000	15 min Summer	11	ACO232	RE232A	0.041	0.114	0.204	0.034	OK
42.001	15 min Summer	8	RE232A	PS247	0.051	0.779	3.110	0.516	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 Summer	9	PS247	PS105	0.039	0.858	3.114	0.211	OK
43.000	15 min Summer	8	ACO234	RE234A	0.016	0.000	0.000	0.000	OK
44.000	15 min Summer	8	RWP234A	RE234A	0.016	0.000	0.000	0.000	OK
43.001	15 min Summer	8	RE234A	PS245	0.028	0.756	1.336	0.200	OK
45.000	15 min Summer	8	RWP234B	PS245	0.012	0.000	0.000	0.000	OK
43.002	15 min Summer	8	PS245	PS105	0.024	0.909	1.325	0.128	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	60 min Summer	38	DF233	PS842	0.017	0.650	0.703	0.015	OK
49.000	15 min Winter	0	RWP233B	PS842	0.000	0.000	0.000	0.000	OK
46.001	60 min Summer	38	PS842	PS105	0.022	0.497	0.702	0.042	OK
42.003	1440 min Winter	932	PS105	S55	0.078	0.503	0.345	0.007	OK
42.004	240 min Summer	1299	S55	S29	0.150	0.581	1.892	0.128	Surcharged
50.000	15 min Summer	9	RWP230C	RE230A	0.011	0.010	0.002	0.000	OK
50.001	15 min Summer	9	RE230A	PS835	0.019	0.546	0.558	0.093	OK
51.000	15 min Summer	9	RWP230A	PS835	0.008	0.000	0.000	0.000	OK
50.002	15 min Summer	9	PS835	PS738	0.017	0.627	0.558	0.059	OK
50.003	1440 min Summer	1351	PS738	PS103	0.051	0.281	0.048	0.006	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	1440 min Summer	1812	PS692	PS693	0.042	0.000	0.000	0.000	OK
53.000	15 min Summer	8	RE231B	PS836	0.015	0.750	0.571	0.051	OK
54.000	15 min Summer	9	RWP231F	PS836	0.008	0.000	0.000	0.000	OK
55.000	15 min Summer	9	ACO231	PS836	0.008	0.000	0.000	0.000	OK
53.001	1440 min Summer	1812	PS836	PS693	0.042	0.327	0.048	0.004	OK
52.003	1440 min Summer	5401	PS693	PS103	0.092	0.304	0.056	0.006	OK
56.000	1440 min Summer	1351	PS102	PS103	0.076	0.486	0.145	0.002	OK
50.004	1440 min Summer	1351	PS103	S29	0.150	0.577	0.240	0.007	Surcharged
35.006	120 min Summer	1435	S29	S30	0.300	0.427	11.934	0.165	Surcharged
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	180 min Summer	1144	PS695	PS697	0.050	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	360 min Summer	1332	PS699	PS696	0.050	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	360 min Summer	1332	PS772	PS696	0.050	0.000	0.000	0.000	OK
63.003	960 min Winter	1647	PS696	PS697	0.100	0.008	0.066	0.008	Surcharged
57.003	960 min Winter	1647	PS697	S30	0.150	0.006	0.100	0.005	Surcharged
1.014	120 min Summer	877	S30	S31	0.300	0.991	39.371	0.621	Surcharged
1.015	120 min Summer	620	S31	S32	0.300	1.065	40.513	0.632	Surcharged
1.016	30 min Summer	1365	S32	S33	0.375	0.869	78.037	0.800	Surcharged
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	15 min Winter	1140	PS702	S33	0.075	0.000	0.000	0.000	OK
1.017	15 min Summer	1112	S33	S34	0.375	0.998	106.964	1.004	Surcharged
77.000	15 min Summer	9	S101	S40	0.089	0.887	12.869	0.302	OK
77.001	1440 min Summer	1811	S40	S41	0.190	0.366	1.352	0.032	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	1440 min Summer	1797	PS413	PS411	0.004	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	1440 min Summer	1797	PS410	PS411	0.029	0.000	0.000	0.000	OK
78.003	1440 min Summer	2621	PS411	S41	0.104	0.007	0.050	0.003	OK
77.002	1440 min Winter	1565	S41	S42	0.225	0.407	1.514	0.044	OK
77.003	480 min Summer	1196	S42	S43	0.225	0.672	6.619	0.200	OK
77.004	240 min Summer	981	S43	S44	0.375	0.735	18.278	0.163	Surcharged
81.000	1440 min Summer	1802	DF168	PS85	0.117	0.487	0.173	0.005	OK
82.000	960 min Summer	2983	RWP168C	PS85	0.050	0.000	0.000	0.000	OK
81.001	1440 min Summer	1351	PS85	S44	0.150	0.418	0.173	0.005	Surcharged
77.005	120 min Summer	678	S44	S35	0.375	0.827	30.762	0.273	Surcharged
83.000	15 min Winter	0	RWP168D	RE168	0.000	0.000	0.000	0.000	OK
83.001	1440 min Summer	1813	RE168	PS773	0.017	0.000	0.000	0.000	OK
84.000	1440 min Summer	1813	ACO167	PS773	0.017	0.000	0.000	0.000	OK
85.000	1440 min Summer	1813	RWP168A	PS773	0.017	0.000	0.000	0.000	OK
86.000	1440 min Summer	1813	RWP167C	PS773	0.017	0.000	0.000	0.000	OK
83.002	1440 min Summer	1813	PS773	PS774	0.117	0.005	0.074	0.003	OK
83.003	720 min Summer	1839	PS774	S35	0.150	0.007	0.115	0.005	Surcharged
87.000	15 min Winter	0	ACO165B	RE165A	0.000	0.000	0.000	0.000	OK
87.001	960 min Summer	2637	RE165A	PS717	0.050	0.000	0.000	0.000	OK
87.002	1440 min Summer	2406	PS717	PS718	0.100	0.009	0.075	0.008	Surcharged
88.000	960 min Summer	2892	RE166A	PS719	0.050	0.000	0.000	0.000	OK
89.000	960 min Summer	2892	RWP167A	PS719	0.050	0.000	0.000	0.000	OK
90.000	960 min Summer	2892	ACO166	PS719	0.050	0.000	0.000	0.000	OK
88.001	1440 min Winter	5589	PS719	PS718	0.150	0.004	0.064	0.002	Surcharged
87.003	1440 min Summer	2413	PS718	S35	0.150	0.008	0.142	0.006	Surcharged
77.006	30 min Summer	1291	S35	S137	0.375	0.991	60.297	0.532	Surcharged
77.007	15 min Summer	1368	S137	S34	0.375	0.683	68.014	0.576	Surcharged
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	960 min Summer	3808	PS709	PS710	0.050	0.000	0.000	0.000	OK
96.000	960 min Summer	3808	ACO162A	PS710	0.050	0.000	0.000	0.000	OK
97.000	960 min Summer	3808	RWP162B	PS710	0.050	0.000	0.000	0.000	OK
91.003	1440 min Summer	2332	PS710	S34	0.100	0.006	0.050	0.003	Surcharged
1.018	15 min Summer	595	S34	S36	0.375	1.636	176.298	1.579	Surcharged
1.019	15 min Summer	443	S36	S37	0.375	2.870	200.718	1.320	Surcharged
1.020	1440 min Summer	1786	S37	S38	0.375	0.004	0.405	0.003	Surcharged
1.021	1440 min Summer	1787	S38	S39	0.225	0.010	0.405	0.011	OK

Permeable Paving Storage

Permeable Paving	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
Permeable Paving33	120 min Summer	68	5.625	0.024	0.820		OK
Permeable Paving31	120 min Summer	68	5.467	0.022	0.707		OK
Permeable Paving30	120 min Summer	68	5.338	0.024	0.818		OK
Permeable Paving62	60 min Summer	37	5.254	0.021	0.729		OK
Permeable Paving61	60 min Summer	37	5.016	0.022	0.767		OK
Permeable Paving60	120 min Summer	68	5.113	0.023	0.794		OK
Permeable Paving54	60 min Summer	37	5.007	0.022	0.743		OK
Permeable Paving86	120 min Summer	69	4.947	0.025	0.561		OK
Permeable Paving47	120 min Summer	68	4.740	0.022	0.710		OK

Return Period Yrs: 10.0

Climate Change %: 45

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RE180B	15 min Summer	8	5.637	0.037	1.958		OK
RWP180B	-	0	5.650	0.000	0.000		OK
PS753	15 min Summer	8	5.532	0.032	1.942		OK
RWP180C	-	0	5.650	0.000	0.000		OK
PS750	15 min Summer	11	5.396	0.096	1.198		OK
RWP178B	-	0	5.500	0.000	0.000		OK
RE179	15 min Summer	8	5.489	0.039	2.619		OK
PS118	15 min Summer	11	5.393	0.093	1.401		OK
PS119	15 min Summer	11	5.390	0.240	3.693		Surcharged
ACO178	15 min Summer	9	5.471	0.001	0.000		OK
RWP178A	-	0	5.500	0.000	0.000		OK
RE178	15 min Summer	8	5.471	0.046	2.831		OK
RWP178C	-	0	5.500	0.000	0.000		OK
PS122	15 min Summer	11	5.398	0.098	1.532		OK
PS120	15 min Summer	11	5.387	0.287	5.488		Surcharged
S45	15 min Summer	10	5.377	0.527	13.093		Surcharged
S46	15 min Summer	10	5.368	0.578	30.092		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	60 min Summer	40	5.333	0.033	1.840		OK
PS50	15 min Summer	10	5.289	0.139	0.539		OK
S47	15 min Summer	10	5.288	0.638	50.967		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	30 min Summer	25	5.180	0.030	1.656		OK
RWP189A	-	0	5.350	0.000	0.000		OK
PS54	600 min Winter	579	5.142	0.092	0.043		OK
S48	600 min Winter	579	5.142	0.637	0.811		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	579	5.142	0.092	0.000		OK
DF191	600 min Winter	579	5.142	0.142	0.050		OK
RWP191A	-	0	5.225	0.000	0.000		OK
PS56	600 min Winter	579	5.142	0.242	0.050		Surcharged
S142	600 min Winter	579	5.142	0.707	0.861		Surcharged
S139	600 min Winter	579	5.142	0.792	0.861		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	580	5.142	0.242	0.000		Surcharged
S51	600 min Winter	580	5.142	0.562	0.311		Surcharged
RWP250	-	0	5.200	0.000	0.000		OK
RE250A	-	0	5.170	0.000	0.000		OK
PS603	600 min Winter	579	5.142	0.042	0.000		OK
PS604	600 min Winter	579	5.142	0.192	0.000		Surcharged
DF251	600 min Winter	580	5.142	0.092	0.039		OK
PS128	600 min Winter	580	5.142	0.367	0.040		Surcharged
RWP251C	-	0	5.300	0.000	0.000		OK
PS129	600 min Winter	580	5.142	0.467	0.040		Surcharged
S52	600 min Winter	580	5.142	0.692	0.352		Surcharged
S141	600 min Winter	580	5.142	0.792	0.352		Surcharged
S140	600 min Winter	580	5.142	0.942	1.322		Surcharged
S143	600 min Winter	580	5.141	0.986	1.339		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	15 min Summer	11	4.674	0.074	0.000		OK
PS608	15 min Summer	10	4.675	0.225	2.412		Surcharged
S145	15 min Summer	10	4.674	0.464	28.112		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 Summer	11	4.666	0.275	4.797		Surcharged
RWP255B	-	0	5.000	0.000	0.000		OK
DF255	30 min Summer	24	4.818	0.018	1.636		OK
PS131	1440 min Winter	1804	4.664	0.114	0.015		OK
S50	1440 min Winter	1489	4.663	0.663	1.568		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	60 min Summer	40	4.922	0.022	1.799		OK
PS117	15 min Summer	11	4.667	0.036	0.547		OK
S147	15 min Summer	10	4.665	0.386	14.089		Surcharged
ACO232	15 min Summer	8	4.879	0.059	0.073		OK
RE232A	15 min Summer	8	4.879	0.079	5.993		OK
PS247	15 min Summer	9	4.701	0.066	5.855		OK
ACO234	-	0	4.970	0.000	0.000		OK
RWP234A	-	0	5.000	0.000	0.000		OK
RE234A	15 min Summer	8	4.969	0.044	2.548		OK
RWP234B	-	0	5.000	0.000	0.000		OK
PS245	15 min Summer	8	4.833	0.033	2.528		OK
RWP233A	-	0	4.850	0.000	0.000		OK
ACO233	-	0	4.820	0.000	0.000		OK
DF233	30 min Summer	24	4.794	0.019	1.604		OK
RWP233B	-	0	4.850	0.000	0.000		OK
PS842	30 min Summer	25	4.682	0.032	1.599		OK
PS105	1440 min Winter	1827	4.664	0.114	0.022		OK
S55	1440 min Winter	1909	4.663	0.462	0.024		Surcharged
RWP230C	15 min Summer	9	5.009	0.009	0.000		OK
RE230A	15 min Summer	9	5.009	0.029	1.052		OK
RWP230A	-	0	5.000	0.000	0.000		OK
PS835	15 min Summer	9	4.883	0.023	1.058		OK
PS738	1440 min Winter	1476	4.664	0.064	0.000		OK
ACO231B	-	0	4.910	0.000	0.000		OK
RE231A	-	0	4.850	0.000	0.000		OK
PS692	1440 min Winter	1770	4.664	0.014	0.020		OK
RE231B	15 min Summer	8	5.096	0.021	1.091		OK
RWP231F	-	0	4.900	0.000	0.000		OK
ACO231	-	0	4.910	0.000	0.000		OK
PS836	15 min Summer	8	4.821	0.021	1.082		OK
PS693	1440 min Winter	1436	4.664	0.214	0.012		Surcharged
PS102	60 min Summer	41	4.765	0.015	1.311		OK
PS103	1440 min Winter	1453	4.663	0.313	0.047		Surcharged
S29	1440 min Winter	1875	4.663	0.688	0.030		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	1917	4.664	0.364	0.002		Surcharged
PS697	1440 min Winter	1450	4.664	0.514	0.009		Surcharged
S30	1440 min Winter	1458	4.663	0.763	1.521		Surcharged
S31	1440 min Winter	1458	4.663	0.828	1.556		Surcharged
S32	1440 min Winter	1490	4.663	0.943	1.508		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	1440 min Winter	1473	4.664	0.014	0.002		OK
S33	1440 min Winter	1462	4.663	1.043	1.516		Surcharged
S101	15 min Summer	8	4.784	0.120	24.720		OK
S40	15 min Summer	10	4.733	0.355	25.186		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 Summer	10	4.713	0.238	0.668		Surcharged
S41	15 min Summer	10	4.712	0.412	41.934		Surcharged
S42	1440 min Winter	1530	4.663	0.478	0.029		Surcharged
S43	1440 min Winter	1476	4.664	0.739	0.043		Surcharged
DF168	1440 min Winter	1451	4.664	0.214	0.007		Surcharged
RWP168C	1440 min Winter	1451	4.664	0.039	0.002		OK
PS85	1440 min Winter	1451	4.664	0.314	0.009		Surcharged
S44	1440 min Winter	1516	4.663	0.888	0.073		Surcharged
RWP168D	1440 min Winter	1613	4.664	0.039	0.000		OK
RE168	1440 min Winter	1613	4.664	0.064	0.013		OK
ACO167	-	0	4.670	0.000	0.000		OK
RWP168A	1440 min Winter	1644	4.664	0.039	0.005		OK
RWP167C	-	0	4.700	0.000	0.000		OK
PS773	1440 min Winter	1517	4.664	0.214	0.010		Surcharged
PS774	1440 min Winter	1663	4.663	0.463	0.066		Surcharged
ACO165B	-	0	4.820	0.000	0.000		OK
RE165A	-	0	4.750	0.000	0.000		OK
PS717	1440 min Winter	1583	4.664	0.264	0.013		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	1445	4.664	0.314	0.002		Surcharged
PS718	1440 min Winter	1459	4.664	0.614	0.037		Surcharged
S35	1440 min Winter	1459	4.663	0.953	0.121		Surcharged
S137	1440 min Winter	1516	4.663	1.008	0.014		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	1822	4.664	0.264	0.012		Surcharged
S34	1440 min Winter	1454	4.663	1.113	1.566		Surcharged
S36	1440 min Winter	1454	4.663	1.138	1.577		Surcharged
S37	1440 min Winter	1458	4.663	1.238	1.476		Surcharged
S38	1440 min Winter	1458	4.663	1.263	1.525		Flood Risk
S39	15 min Summer	0	4.500	1.170	1.713		Outfall

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
1.000	15 min Summer	8	RE180B	PS753	0.034	0.813	1.942	0.288	OK
2.000	15 min Summer	8	RWP180B	PS753	0.016	0.000	0.000	0.000	OK
1.001	15 min Summer	11	PS753	PS750	0.060	0.860	1.927	0.218	OK
3.000	15 min Summer	11	RWP180C	PS750	0.048	0.000	0.000	0.000	OK
1.002	15 min Summer	12	PS750	PS119	0.098	0.813	2.300	0.301	OK
4.000	15 min Summer	8	RWP178B	RE179	0.019	0.000	0.000	0.000	OK
4.001	15 min Summer	8	RE179	PS118	0.039	0.928	2.602	0.318	OK
4.002	15 min Summer	11	PS118	PS119	0.121	0.626	2.586	0.128	OK
1.003	15 min Winter	10	PS119	PS120	0.150	0.789	4.088	0.209	Surcharged
5.000	15 min Summer	9	ACO178	RE178	0.023	0.008	0.002	0.000	OK
6.000	15 min Summer	8	RWP178A	RE178	0.023	0.000	0.000	0.000	OK
5.001	15 min Summer	11	RE178	PS122	0.065	0.866	2.786	0.425	OK
7.000	15 min Summer	11	RWP178C	PS122	0.049	0.000	0.000	0.000	OK
5.002	15 min Summer	11	PS122	PS120	0.099	0.922	2.768	0.336	OK
1.004	15 min Winter	13	PS120	S45	0.150	1.105	7.300	0.276	Surcharged
1.005	30 min Summer	15	S45	S46	0.225	0.587	14.622	0.424	OK
1.006	15 min Winter	10	S46	S47	0.225	0.812	29.571	0.821	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	10	PS731	PS50	0.044	0.000	0.000	0.000	OK
10.000	15 min Summer	17	DF185	PS50	0.075	0.804	1.590	0.084	OK
8.003	15 min Summer	12	PS50	S47	0.144	1.140	3.133	0.075	OK
1.007	15 min Winter	10	S47	S48	0.225	1.171	46.546	1.277	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	579	PS762	PS54	0.021	0.000	0.000	0.000	OK
13.000	600 min Winter	577	DF189	PS54	0.048	0.539	0.337	0.016	OK
14.000	600 min Winter	579	RWP189A	PS54	0.021	0.000	0.000	0.000	OK
11.003	600 min Winter	579	PS54	S48	0.121	0.702	0.337	0.007	OK
1.008	15 min Winter	9	S48	S142	0.225	1.617	64.276	1.817	OK
15.000	15 min Summer	0	RE189A	PS766	0.000	0.000	0.000	0.000	OK
15.001	600 min Winter	579	PS766	PS767	0.046	0.000	0.000	0.000	OK
16.000	600 min Winter	579	RWP190A	PS767	0.046	0.000	0.000	0.000	OK
15.002	600 min Winter	743	PS767	PS56	0.096	0.001	0.006	0.001	OK
17.000	600 min Winter	579	DF191	PS56	0.146	0.560	0.389	0.018	OK
18.000	180 min Summer	161	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	240 min Summer	184	PS56	S142	0.150	0.739	1.090	0.025	Surcharged
1.009	15 min Winter	10	S142	S139	0.225	1.617	61.845	1.453	OK
1.010	15 min Winter	10	S139	S140	0.225	2.202	59.492	0.886	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	180 min Summer	162	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	180 min Summer	162	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	180 min Summer	162	RE249A	PS596	0.050	0.000	0.000	0.000	OK
19.003	720 min Summer	1095	PS596	S51	0.150	0.005	0.078	0.002	Surcharged
19.004	30 min Winter	30	S51	S52	0.225	1.100	30.894	0.895	OK
23.000	15 min Summer	0	RWP250	RE250A	0.000	0.000	0.000	0.000	OK
23.001	600 min Winter	579	RE250A	PS603	0.021	0.000	0.000	0.000	OK
23.002	600 min Winter	647	PS603	PS604	0.071	0.001	0.006	0.001	OK
23.003	600 min Summer	688	PS604	PS128	0.100	0.012	0.083	0.013	Surcharged
24.000	600 min Winter	580	DF251	PS128	0.121	0.584	0.315	0.006	OK
23.004	180 min Summer	108	PS128	PS129	0.150	0.600	1.061	0.048	Surcharged
25.000	60 min Summer	41	RWP251C	PS129	0.050	0.000	0.000	0.000	OK
23.005	60 min Winter	42	PS129	S52	0.150	0.332	1.282	0.048	Surcharged
19.005	15 min Winter	16	S52	S141	0.225	1.367	40.295	0.946	OK
19.006	15 min Winter	11	S141	S140	0.225	1.653	38.905	0.639	OK
1.011	15 min Winter	9	S140	S143	0.225	0.545	10.513	0.282	OK
1.012	15 min Winter	15	S143	S50	0.225	0.492	4.040	0.101	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 Summer	9	PS607	PS608	0.050	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	11	PS610	PS611	0.037	0.000	0.000	0.000	OK
28.003	15 min Summer	11	PS611	PS608	0.087	0.331	0.954	0.108	OK
26.004	15 min Winter	13	PS608	S145	0.150	0.275	1.813	0.065	Surcharged
26.005	15 min Winter	8	S145	S50	0.225	1.085	30.260	0.685	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 Summer	9	PS733	S144	0.075	0.000	0.000	0.000	OK
30.003	15 min Winter	10	S144	S50	0.150	1.028	9.062	0.443	Surcharged
33.000	1440 min Winter	1804	RWP255B	PS131	0.032	0.000	0.000	0.000	OK
34.000	1440 min Winter	1438	DF255	PS131	0.057	0.610	0.164	0.003	OK
33.001	1440 min Winter	1804	PS131	S50	0.132	0.533	0.164	0.004	OK
1.013	30 min Summer	16	S50	S30	0.300	0.726	45.822	0.734	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	15 min Summer	17	DF229	PS117	0.024	1.139	1.566	0.040	OK
35.004	15 min Summer	17	PS117	S147	0.093	0.824	1.563	0.033	OK
35.005	15 min Winter	9	S147	S29	0.150	1.088	14.589	0.805	Surcharged
42.000	15 min Summer	11	ACO232	RE232A	0.069	0.120	0.397	0.067	OK
42.001	15 min Summer	9	RE232A	PS247	0.079	0.886	5.855	0.972	OK
42.002	1440 min Winter	1827	PS247	PS105	0.071	0.364	0.252	0.017	OK
43.000	15 min Summer	8	ACO234	RE234A	0.022	0.000	0.000	0.000	OK
44.000	15 min Summer	8	RWP234A	RE234A	0.022	0.000	0.000	0.000	OK
43.001	15 min Summer	8	RE234A	PS245	0.039	0.906	2.528	0.379	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 Summer	8	RWP234B	PS245	0.017	0.000	0.000	0.000	OK
43.002	15 min Summer	8	PS245	PS105	0.033	1.090	2.511	0.242	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	30 min Summer	25	DF233	PS842	0.026	0.804	1.603	0.035	OK
49.000	15 min Summer	0	RWP233B	PS842	0.000	0.000	0.000	0.000	OK
46.001	1440 min Winter	1799	PS842	PS105	0.064	0.292	0.159	0.009	OK
42.003	1440 min Winter	1827	PS105	S55	0.132	0.557	1.093	0.022	OK
42.004	15 min Winter	13	S55	S29	0.150	0.734	6.888	0.467	Surcharged
50.000	15 min Summer	11	RWP230C	RE230A	0.019	0.063	0.041	0.004	OK
50.001	15 min Summer	9	RE230A	PS835	0.026	0.659	1.058	0.176	OK
51.000	15 min Summer	9	RWP230A	PS835	0.011	0.000	0.000	0.000	OK
50.002	1440 min Winter	1417	PS835	PS738	0.032	0.293	0.046	0.005	OK
50.003	1440 min Winter	1476	PS738	PS103	0.082	0.277	0.067	0.008	OK
52.000	15 min Summer	0	ACO231B	RE231A	0.000	0.000	0.000	0.000	OK
52.001	1440 min Winter	1770	RE231A	PS692	0.007	0.000	0.000	0.000	OK
52.002	1440 min Winter	1770	PS692	PS693	0.057	0.013	0.058	0.007	OK
53.000	15 min Summer	8	RE231B	PS836	0.021	0.904	1.082	0.097	OK
54.000	15 min Summer	8	RWP231F	PS836	0.010	0.000	0.000	0.000	OK
55.000	15 min Summer	8	ACO231	PS836	0.010	0.000	0.000	0.000	OK
53.001	15 min Summer	10	PS836	PS693	0.060	0.837	1.073	0.096	OK
52.003	30 min Summer	20	PS693	PS103	0.100	0.733	1.659	0.184	Surcharged
56.000	30 min Summer	26	PS102	PS103	0.081	1.064	1.286	0.020	OK
50.004	30 min Summer	20	PS103	S29	0.150	1.034	4.064	0.113	Surcharged
35.006	15 min Winter	12	S29	S30	0.300	0.442	28.140	0.390	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	8	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 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	14	PS696	PS697	0.100	0.353	2.331	0.272	Surcharged
57.003	15 min Winter	14	PS697	S30	0.150	0.275	4.261	0.216	Surcharged
1.014	15 min Winter	11	S30	S31	0.300	1.259	88.964	1.403	Surcharged
1.015	15 min Winter	12	S31	S32	0.300	1.312	92.707	1.447	Surcharged
1.016	15 min Winter	11	S32	S33	0.375	0.970	107.143	1.098	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	1440 min Winter	2127	PS702	S33	0.082	0.004	0.042	0.001	OK
1.017	15 min Winter	10	S33	S34	0.375	1.295	143.054	1.343	Surcharged
77.000	15 min Summer	8	S101	S40	0.173	0.966	24.386	0.572	OK
77.001	15 min Winter	10	S40	S41	0.225	0.702	23.740	0.558	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	12	PS411	S41	0.150	0.221	3.019	0.152	Surcharged
77.002	15 min Winter	10	S41	S42	0.225	1.024	40.704	1.188	OK
77.003	30 min Summer	18	S42	S43	0.225	1.207	47.054	1.419	OK
77.004	15 min Winter	10	S43	S44	0.375	1.057	84.707	0.755	Surcharged
81.000	1440 min Winter	1063	DF168	PS85	0.150	0.482	0.216	0.007	Surcharged
82.000	1440 min Winter	2113	RWP168C	PS85	0.069	0.013	0.069	0.003	OK
81.001	240 min Summer	1225	PS85	S44	0.150	0.738	0.963	0.030	Surcharged
77.005	15 min Winter	10	S44	S35	0.375	0.945	82.463	0.732	Surcharged
83.000	1440 min Winter	2711	RWP168D	RE168	0.052	0.146	0.205	0.023	OK
83.001	1440 min Winter	2714	RE168	PS773	0.082	0.038	0.218	0.032	OK
84.000	1440 min Summer	1076	ACO167	PS773	0.050	0.000	0.000	0.000	OK
85.000	1440 min Winter	2722	RWP168A	PS773	0.069	0.044	0.197	0.012	OK
86.000	1440 min Summer	1076	RWP167C	PS773	0.050	0.000	0.000	0.000	OK
83.002	1440 min Winter	1498	PS773	PS774	0.150	0.007	0.121	0.005	Surcharged
83.003	1440 min Winter	2728	PS774	S35	0.150	0.009	0.165	0.007	Surcharged
87.000	15 min Summer	0	ACO165B	RE165A	0.000	0.000	0.000	0.000	OK
87.001	180 min Summer	1393	RE165A	PS717	0.050	0.000	0.000	0.000	OK
87.002	960 min Winter	2354	PS717	PS718	0.100	0.010	0.082	0.009	Surcharged
88.000	180 min Summer	1395	RE166A	PS719	0.050	0.000	0.000	0.000	OK
89.000	180 min Summer	1395	RWP167A	PS719	0.050	0.000	0.000	0.000	OK
90.000	180 min Summer	1395	ACO166	PS719	0.050	0.000	0.000	0.000	OK
88.001	960 min Summer	2463	PS719	PS718	0.150	0.004	0.065	0.002	Surcharged
87.003	30 min Summer	22	PS718	S35	0.150	0.108	1.444	0.060	Surcharged
77.006	15 min Winter	11	S35	S137	0.375	1.029	91.668	0.809	Surcharged
77.007	15 min Winter	11	S137	S34	0.375	0.829	91.539	0.775	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	1397	PS709	PS710	0.050	0.000	0.000	0.000	OK
96.000	180 min Summer	1397	ACO162A	PS710	0.050	0.000	0.000	0.000	OK
97.000	180 min Summer	1397	RWP162B	PS710	0.050	0.000	0.000	0.000	OK
91.003	1440 min Winter	1528	PS710	S34	0.100	0.007	0.056	0.003	Surcharged
1.018	15 min Winter	11	S34	S36	0.375	2.083	230.083	2.061	Surcharged
1.019	15 min Winter	13	S36	S37	0.375	3.219	270.380	1.778	Surcharged
1.020	1440 min Summer	1433	S37	S38	0.375	0.014	1.527	0.012	Surcharged
1.021	1440 min Winter	1458	S38	S39	0.225	0.038	1.525	0.040	OK

Permeable Paving Storage

Permeable Paving	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
Permeable Paving33	60 min Summer	40	5.642	0.041	1.868		OK
Permeable Paving31	30 min Summer	24	5.483	0.038	1.717		OK
Permeable Paving30	60 min Summer	40	5.355	0.041	1.864		OK
Permeable Paving62	30 min Summer	24	5.270	0.037	1.600		OK
Permeable Paving61	30 min Summer	24	5.032	0.038	1.682		OK
Permeable Paving60	60 min Summer	40	5.130	0.040	1.810		OK
Permeable Paving54	30 min Summer	24	5.023	0.037	1.630		OK
Permeable Paving86	60 min Summer	41	4.965	0.043	1.272		OK
Permeable Paving47	30 min Summer	24	4.756	0.038	1.724		OK

Return Period Yrs: 30.0

Climate Change %: 45

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RE180B	15 min Summer	8	5.643	0.043	2.540		OK
RWP180B	-	0	5.650	0.000	0.000		OK
PS753	15 min Summer	11	5.627	0.127	1.373		Surcharged
RWP180C	-	0	5.650	0.000	0.000		OK
PS750	15 min Summer	11	5.619	0.319	1.564		Surcharged
RWP178B	15 min Summer	11	5.620	0.120	0.000		Surcharged
RE179	15 min Summer	11	5.620	0.170	1.687		Surcharged
PS118	15 min Summer	11	5.614	0.314	1.678		Surcharged
PS119	15 min Summer	11	5.610	0.460	3.719		Surcharged
ACO178	15 min Summer	12	5.620	0.150	0.000		Surcharged
RWP178A	15 min Summer	12	5.619	0.119	0.000		Surcharged
RE178	15 min Summer	12	5.619	0.194	1.840		Surcharged
RWP178C	15 min Summer	11	5.612	0.112	0.340		Surcharged
PS122	15 min Summer	11	5.611	0.311	1.011		Surcharged
PS120	15 min Summer	11	5.606	0.506	3.918		Surcharged
S45	15 min Summer	11	5.595	0.745	11.757		Surcharged
S46	15 min Summer	10	5.590	0.800	30.857		Surcharged
RE183A	-	0	5.600	0.000	0.000		OK
PS755	15 min Summer	11	5.523	0.048	0.000		OK
RWP184A	-	0	5.650	0.000	0.000		OK
PS731	15 min Summer	11	5.508	0.208	0.392		Surcharged
DF185	15 min Summer	10	5.513	0.213	0.638		Surcharged
PS50	15 min Summer	10	5.508	0.358	2.423		Surcharged
S47	15 min Summer	10	5.505	0.855	57.965		Surcharged
RE187A	-	0	5.400	0.000	0.000		OK
PS761	720 min Winter	695	5.295	0.020	0.000		OK
RWP188A	-	0	5.450	0.000	0.000		OK
PS762	720 min Winter	697	5.295	0.145	0.003		Surcharged
DF189	720 min Winter	697	5.295	0.145	0.042		OK
RWP189A	-	0	5.350	0.000	0.000		OK
PS54	720 min Winter	697	5.295	0.245	0.043		Surcharged
S48	720 min Winter	697	5.295	0.790	0.785		Surcharged
RE189A	-	0	5.300	0.000	0.000		OK
PS766	720 min Winter	697	5.296	0.121	0.000		Surcharged
RWP190A	-	0	5.350	0.000	0.000		OK
PS767	720 min Winter	696	5.296	0.246	0.000		Surcharged
DF191	720 min Winter	699	5.296	0.296	0.048		Surcharged
RWP191A	720 min Winter	695	5.295	0.070	0.000		OK
PS56	720 min Winter	694	5.295	0.395	0.051		Surcharged
S142	720 min Winter	695	5.295	0.860	0.890		Surcharged
S139	720 min Winter	695	5.295	0.945	0.902		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	720 min Winter	698	5.296	0.146	0.018		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	720 min Winter	692	5.296	0.396	0.009		Surcharged
S51	720 min Winter	692	5.296	0.716	0.383		Surcharged
RWP250	720 min Winter	697	5.296	0.096	0.013		OK
RE250A	720 min Winter	697	5.296	0.126	0.028		Surcharged
PS603	720 min Winter	698	5.296	0.196	0.029		Surcharged
PS604	720 min Winter	698	5.296	0.346	0.044		Surcharged
DF251	720 min Winter	698	5.296	0.246	0.025		Surcharged
PS128	720 min Winter	696	5.296	0.521	0.047		Surcharged
RWP251C	-	0	5.300	0.000	0.000		OK
PS129	720 min Winter	699	5.296	0.621	0.072		Surcharged
S52	720 min Winter	696	5.296	0.846	0.384		Surcharged
S141	720 min Winter	697	5.295	0.945	0.302		Surcharged
S140	720 min Winter	696	5.295	1.095	1.320		Surcharged
S143	720 min Winter	697	5.295	1.140	1.351		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	15 min Summer	11	4.951	0.076	0.798		OK
PS607	15 min Summer	11	4.947	0.222	1.180		Surcharged
RWP255A	-	0	5.000	0.000	0.000		OK
RE255A	15 min Summer	11	4.960	0.010	0.266		OK
ACO254	-	0	5.045	0.000	0.000		OK
PS610	15 min Summer	11	4.955	0.105	0.000		Surcharged
PS611	15 min Summer	11	4.948	0.348	0.189		Surcharged
PS608	15 min Summer	11	4.944	0.494	0.909		Surcharged
S145	15 min Summer	10	4.944	0.734	36.344		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 Summer	11	4.942	0.142	0.000		OK
S144	15 min Summer	11	4.939	0.548	6.504		Surcharged
RWP255B	-	0	5.000	0.000	0.000		OK
DF255	15 min Summer	11	4.907	0.107	0.985		OK
PS131	15 min Summer	11	4.907	0.357	1.877		Surcharged
S50	15 min Summer	11	4.905	0.905	49.687		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	15 min Summer	11	4.920	0.070	0.777		OK
RWP229F	-	0	5.075	0.000	0.000		OK
PS775	15 min Summer	11	4.919	0.094	1.637		OK
RWP229B	-	0	5.000	0.000	0.000		OK
RE229A	15 min Summer	11	4.918	0.118	0.000		Surcharged
DF229	30 min Summer	24	4.926	0.026	2.420		OK
PS117	15 min Summer	11	4.918	0.287	1.783		Surcharged
S147	15 min Summer	11	4.914	0.635	11.219		Surcharged
ACO232	15 min Summer	11	4.937	0.117	0.000		Surcharged
RE232A	15 min Summer	10	4.937	0.137	6.183		Surcharged
PS247	15 min Summer	11	4.877	0.242	4.431		Surcharged
ACO234	15 min Summer	8	4.975	0.005	0.030		OK
RWP234A	-	0	5.000	0.000	0.000		OK
RE234A	15 min Summer	8	4.975	0.050	3.306		OK
RWP234B	-	0	5.000	0.000	0.000		OK
PS245	15 min Summer	11	4.877	0.077	1.779		OK
RWP233A	15 min Summer	12	4.879	0.029	0.000		OK
ACO233	15 min Summer	12	4.877	0.057	0.000		OK
DF233	15 min Summer	12	4.878	0.103	1.380		OK
RWP233B	15 min Summer	12	4.877	0.027	0.000		OK
PS842	15 min Summer	12	4.877	0.227	2.619		Surcharged
PS105	15 min Summer	11	4.872	0.322	6.010		Surcharged
S55	15 min Summer	11	4.866	0.665	4.429		Surcharged
RWP230C	15 min Summer	9	5.013	0.013	0.000		OK
RE230A	15 min Summer	9	5.013	0.033	1.369		OK
RWP230A	-	0	5.000	0.000	0.000		OK
PS835	15 min Summer	9	4.886	0.026	1.377		OK
PS738	15 min Summer	11	4.871	0.271	0.945		Surcharged
ACO231B	-	0	4.910	0.000	0.000		OK
RE231A	15 min Summer	12	4.866	0.016	0.000		OK
PS692	15 min Summer	11	4.862	0.212	0.744		Surcharged
RE231B	15 min Summer	8	5.099	0.024	1.415		OK
RWP231F	-	0	4.900	0.000	0.000		OK
ACO231	-	0	4.910	0.000	0.000		OK
PS836	15 min Summer	11	4.881	0.081	0.763		OK
PS693	15 min Summer	11	4.868	0.418	0.811		Surcharged
PS102	15 min Summer	11	4.866	0.116	0.683		OK
PS103	15 min Summer	11	4.865	0.515	2.385		Surcharged
S29	15 min Summer	11	4.858	0.883	25.350		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	15 min Summer	12	4.847	0.047	0.000		OK
RE193C	-	0	5.070	0.000	0.000		OK
PS695	15 min Summer	11	4.845	0.170	1.241		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	-	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	15 min Summer	11	4.853	0.053	0.949		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 Summer	11	4.848	0.548	0.947		Surcharged
PS697	15 min Summer	11	4.846	0.696	1.916		Surcharged
S30	15 min Summer	11	4.843	0.943	94.940		Surcharged
S31	1440 min Summer	1443	4.775	0.940	1.458		Surcharged
S32	1440 min Summer	1444	4.775	1.055	1.467		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 Summer	1462	4.775	0.025	0.003		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	1440 min Summer	1451	4.775	0.125	0.008		OK
S33	1440 min Summer	1444	4.775	1.155	1.440		Surcharged
S101	15 min Summer	10	5.066	0.403	25.503		Surcharged
S40	15 min Summer	11	5.010	0.632	22.032		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	15 min Summer	11	4.987	0.137	0.000		OK
PS411	15 min Summer	11	4.987	0.512	0.884		Surcharged
S41	15 min Summer	11	4.986	0.686	39.833		Surcharged
S42	15 min Summer	11	4.821	0.636	48.620		Surcharged
S43	1440 min Summer	1445	4.775	0.850	0.038		Surcharged
DF168	1440 min Summer	1491	4.775	0.325	0.000		Surcharged
RWP168C	1440 min Summer	1443	4.775	0.150	0.026		Surcharged
PS85	1440 min Summer	1443	4.775	0.425	0.005		Surcharged
S44	1440 min Summer	1445	4.775	1.000	0.044		Flood Risk
RWP168D	1440 min Summer	1453	4.775	0.150	0.009		Surcharged
RE168	1440 min Summer	1453	4.775	0.175	0.016		Surcharged
ACO167	1440 min Summer	1444	4.775	0.105	0.043		Surcharged
RWP168A	1440 min Summer	1470	4.775	0.150	0.003		Surcharged
RWP167C	1440 min Summer	1443	4.775	0.075	0.026		OK
PS773	1440 min Summer	1463	4.775	0.325	0.075		Surcharged
PS774	1440 min Summer	1456	4.775	0.575	0.050		Surcharged
ACO165B	-	0	4.820	0.000	0.000		OK
RE165A	1440 min Summer	1442	4.775	0.025	0.000		OK
PS717	1440 min Summer	1471	4.775	0.375	0.008		Surcharged
RE166A	1440 min Summer	1461	4.775	0.025	0.000		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RWP167A	1440 min Summer	1445	4.775	0.075	0.000		OK
ACO166	-	0	4.820	0.000	0.000		OK
PS719	1440 min Summer	1445	4.775	0.425	0.020		Surcharged
PS718	1440 min Summer	1445	4.775	0.725	0.059		Surcharged
S35	1440 min Summer	1445	4.775	1.065	0.112		Surcharged
S137	1440 min Summer	1445	4.775	1.120	0.080		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 Summer	1446	4.775	0.375	0.000		Surcharged
S34	1440 min Summer	1446	4.775	1.225	1.760		Surcharged
S36	1440 min Summer	1446	4.775	1.250	1.784		Flood Risk
S37	1440 min Summer	1440	4.775	1.350	1.748		Flood Risk
S38	1440 min Summer	1440	4.775	1.375	1.592		Flood Risk
S39	15 min Summer	0	4.500	1.170	1.707		Outfall

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
1.000	15 min Summer	11	RE180B	PS753	0.065	0.874	2.520	0.374	OK
2.000	15 min Summer	11	RWP180B	PS753	0.050	0.000	0.000	0.000	OK
1.001	15 min Summer	11	PS753	PS750	0.100	0.907	2.504	0.283	Surcharged
3.000	15 min Summer	9	RWP180C	PS750	0.050	0.000	0.000	0.000	OK
1.002	15 min Winter	13	PS750	PS119	0.100	0.822	2.301	0.301	Surcharged
4.000	15 min Summer	13	RWP178B	RE179	0.100	0.204	1.005	0.061	Surcharged
4.001	15 min Winter	11	RE179	PS118	0.100	0.975	3.130	0.383	Surcharged
4.002	30 min Summer	22	PS118	PS119	0.150	0.632	3.406	0.169	Surcharged
1.003	15 min Winter	14	PS119	PS120	0.150	0.786	6.824	0.349	Surcharged
5.000	15 min Winter	14	ACO178	RE178	0.100	0.188	1.087	0.132	Surcharged
6.000	15 min Summer	14	RWP178A	RE178	0.100	0.123	0.809	0.040	Surcharged
5.001	30 min Summer	23	RE178	PS122	0.100	0.892	3.404	0.519	Surcharged
7.000	15 min Summer	13	RWP178C	PS122	0.100	0.140	0.746	0.025	Surcharged
5.002	15 min Winter	15	PS122	PS120	0.100	0.961	4.893	0.594	Surcharged
1.004	15 min Winter	15	PS120	S45	0.150	1.089	13.157	0.497	Surcharged
1.005	15 min Winter	15	S45	S46	0.225	0.592	18.459	0.535	OK
1.006	15 min Winter	10	S46	S47	0.225	0.820	30.242	0.840	OK
8.000	15 min Summer	11	RE183A	PS755	0.024	0.000	0.000	0.000	OK
8.001	15 min Summer	11	PS755	PS731	0.074	0.100	0.392	0.055	OK
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	0.301	1.574	0.158	Surcharged
10.000	30 min Summer	22	DF185	PS50	0.150	0.905	3.248	0.172	Surcharged
8.003	15 min Winter	14	PS50	S47	0.150	0.326	5.757	0.137	Surcharged
1.007	15 min Winter	10	S47	S48	0.225	1.280	50.896	1.397	OK
11.000	720 min Winter	695	RE187A	PS761	0.010	0.000	0.000	0.000	OK
11.001	720 min Winter	770	PS761	PS762	0.060	0.011	0.048	0.008	OK
12.000	360 min Summer	308	RWP188A	PS762	0.050	0.000	0.000	0.000	OK
11.002	960 min Summer	1059	PS762	PS54	0.100	0.020	0.072	0.011	Surcharged
13.000	720 min Winter	697	DF189	PS54	0.148	0.551	0.360	0.017	OK
14.000	15 min Summer	10	RWP189A	PS54	0.050	0.000	0.000	0.000	OK
11.003	30 min Summer	22	PS54	S48	0.150	0.282	3.707	0.079	Surcharged
1.008	15 min Winter	8	S48	S142	0.225	1.765	70.183	1.984	OK
15.000	480 min Summer	439	RE189A	PS766	0.050	0.000	0.000	0.000	OK
15.001	600 min Winter	760	PS766	PS767	0.100	0.014	0.075	0.012	Surcharged
16.000	120 min Summer	109	RWP190A	PS767	0.050	0.000	0.000	0.000	OK
15.002	960 min Summer	1070	PS767	PS56	0.100	0.015	0.119	0.012	Surcharged
17.000	180 min Summer	131	DF191	PS56	0.150	0.818	1.638	0.077	Surcharged
18.000	720 min Winter	830	RWP191A	PS56	0.085	0.012	0.055	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	60 min Summer	42	PS56	S142	0.150	0.167	2.957	0.069	Surcharged
1.009	15 min Winter	10	S142	S139	0.225	1.688	67.117	1.577	OK
1.010	15 min Winter	10	S139	S140	0.225	2.249	66.217	0.986	OK
19.000	15 min Summer	0	RWP248A	RE248A	0.000	0.000	0.000	0.000	OK
19.001	360 min Summer	310	RE248A	PS597	0.050	0.000	0.000	0.000	OK
20.000	360 min Summer	310	RE249B	PS597	0.050	0.000	0.000	0.000	OK
19.002	960 min Winter	1369	PS597	PS596	0.100	0.012	0.073	0.010	Surcharged
21.000	15 min Summer	0	RWP248B	RE248B	0.000	0.000	0.000	0.000	OK
21.001	60 min Summer	54	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	60 min Summer	54	RE249A	PS596	0.050	0.000	0.000	0.000	OK
19.003	120 min Summer	130	PS596	S51	0.150	0.007	0.126	0.004	Surcharged
19.004	15 min Winter	9	S51	S52	0.225	1.320	51.134	1.482	OK
23.000	720 min Winter	1095	RWP250	RE250A	0.098	0.041	0.054	0.005	OK
23.001	600 min Winter	637	RE250A	PS603	0.100	0.015	0.112	0.017	Surcharged
23.002	720 min Summer	770	PS603	PS604	0.100	0.012	0.093	0.014	Surcharged
23.003	180 min Summer	196	PS604	PS128	0.100	0.019	0.152	0.024	Surcharged
24.000	240 min Summer	190	DF251	PS128	0.150	0.800	1.140	0.022	Surcharged
23.004	30 min Winter	29	PS128	PS129	0.150	0.546	1.917	0.086	Surcharged
25.000	15 min Summer	21	RWP251C	PS129	0.050	0.000	0.000	0.000	OK
23.005	30 min Summer	23	PS129	S52	0.150	0.130	2.241	0.084	Surcharged
19.005	15 min Winter	9	S52	S141	0.225	1.411	48.559	1.140	OK
19.006	15 min Winter	9	S141	S140	0.225	1.717	46.802	0.769	OK
1.011	30 min Summer	13	S140	S143	0.225	0.490	8.250	0.222	OK
1.012	15 min Winter	17	S143	S50	0.225	0.475	4.925	0.123	OK
26.000	15 min Summer	0	RWP251B	RE251A	0.000	0.000	0.000	0.000	OK
26.001	15 min Summer	11	RE251A	PS606	0.038	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	11	RE253A	PS606	0.038	0.000	0.000	0.000	OK
26.002	15 min Summer	12	PS606	PS607	0.088	0.217	1.438	0.214	OK
26.003	30 min Summer	20	PS607	PS608	0.100	0.230	1.647	0.207	Surcharged
28.000	15 min Summer	11	RWP255A	RE255A	0.005	0.000	0.000	0.000	OK
28.001	15 min Summer	12	RE255A	PS610	0.055	0.101	0.057	0.007	OK
29.000	15 min Summer	11	ACO254	PS610	0.050	0.000	0.000	0.000	OK
28.002	15 min Summer	12	PS610	PS611	0.100	0.141	0.958	0.115	Surcharged
28.003	15 min Winter	14	PS611	PS608	0.100	0.372	2.121	0.240	Surcharged
26.004	15 min Winter	14	PS608	S145	0.150	0.326	5.045	0.181	Surcharged
26.005	15 min Winter	8	S145	S50	0.225	1.105	31.888	0.722	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	11	PS732	PS733	0.071	0.000	0.000	0.000	OK
32.000	15 min Summer	11	RWP192A	PS733	0.046	0.000	0.000	0.000	OK
30.002	15 min Summer	13	PS733	S144	0.146	0.165	1.887	0.051	OK
30.003	30 min Summer	16	S144	S50	0.150	0.976	9.911	0.485	Surcharged
33.000	15 min Summer	9	RWP255B	PS131	0.050	0.000	0.000	0.000	OK
34.000	15 min Summer	12	DF255	PS131	0.128	1.298	2.591	0.049	OK
33.001	30 min Summer	20	PS131	S50	0.150	1.085	4.286	0.106	Surcharged
1.013	15 min Winter	10	S50	S30	0.300	0.743	52.493	0.841	Surcharged
35.000	15 min Summer	0	RWP229D	RE229B	0.000	0.000	0.000	0.000	OK
35.001	15 min Summer	11	RE229B	PS776	0.035	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	11	RE229C	PS776	0.035	0.000	0.000	0.000	OK
37.000	15 min Summer	11	RWP229C	PS776	0.035	0.000	0.000	0.000	OK
38.000	15 min Summer	11	ACO229	PS776	0.035	0.000	0.000	0.000	OK
35.002	15 min Summer	12	PS776	PS775	0.082	0.281	0.761	0.121	OK
39.000	15 min Summer	11	RWP229F	PS775	0.047	0.000	0.000	0.000	OK
35.003	15 min Summer	13	PS775	PS117	0.097	0.303	1.651	0.260	OK
40.000	15 min Summer	11	RWP229B	RE229A	0.050	0.000	0.000	0.000	OK
40.001	15 min Summer	13	RE229A	PS117	0.100	0.283	0.952	0.139	Surcharged
41.000	30 min Summer	24	DF229	PS117	0.087	1.287	2.413	0.062	OK
35.004	30 min Summer	21	PS117	S147	0.150	0.773	5.034	0.106	Surcharged
35.005	15 min Winter	7	S147	S29	0.150	1.073	15.149	0.836	Surcharged
42.000	15 min Summer	13	ACO232	RE232A	0.100	0.232	0.676	0.114	Surcharged
42.001	15 min Summer	10	RE232A	PS247	0.100	0.949	7.217	1.198	Surcharged
42.002	15 min Winter	10	PS247	PS105	0.150	1.072	6.705	0.454	Surcharged
43.000	15 min Summer	9	ACO234	RE234A	0.028	0.020	0.029	0.003	OK
44.000	15 min Summer	8	RWP234A	RE234A	0.025	0.000	0.000	0.000	OK
43.001	15 min Summer	11	RE234A	PS245	0.056	0.971	3.244	0.486	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 Summer	11	RWP234B	PS245	0.038	0.000	0.000	0.000	OK
43.002	15 min Summer	11	PS245	PS105	0.088	1.167	3.241	0.312	OK
46.000	15 min Summer	12	RWP233A	PS842	0.065	0.244	0.465	0.049	OK
47.000	15 min Summer	12	ACO233	PS842	0.079	0.371	0.301	0.021	OK
48.000	15 min Summer	13	DF233	PS842	0.126	0.850	2.653	0.058	OK
49.000	15 min Summer	13	RWP233B	PS842	0.064	0.073	0.317	0.015	OK
46.001	30 min Summer	22	PS842	PS105	0.150	0.760	4.058	0.242	Surcharged
42.003	15 min Winter	15	PS105	S55	0.150	1.225	9.612	0.193	Surcharged
42.004	15 min Winter	15	S55	S29	0.150	0.730	12.900	0.874	Surcharged
50.000	15 min Summer	11	RWP230C	RE230A	0.023	0.111	0.092	0.009	OK
50.001	15 min Summer	9	RE230A	PS835	0.029	0.711	1.377	0.229	OK
51.000	15 min Summer	9	RWP230A	PS835	0.013	0.000	0.000	0.000	OK
50.002	15 min Summer	9	PS835	PS738	0.063	0.808	1.381	0.146	OK
50.003	15 min Winter	14	PS738	PS103	0.100	0.691	1.842	0.230	Surcharged
52.000	15 min Summer	12	ACO231B	RE231A	0.008	0.000	0.000	0.000	OK
52.001	15 min Summer	12	RE231A	PS692	0.058	0.100	0.472	0.057	OK
52.002	15 min Winter	14	PS692	PS693	0.100	0.212	1.452	0.182	Surcharged
53.000	15 min Summer	11	RE231B	PS836	0.049	0.976	1.405	0.126	OK
54.000	15 min Summer	11	RWP231F	PS836	0.040	0.000	0.000	0.000	OK
55.000	15 min Summer	11	ACO231	PS836	0.040	0.000	0.000	0.000	OK
53.001	15 min Summer	11	PS836	PS693	0.090	0.887	1.395	0.125	OK
52.003	15 min Winter	14	PS693	PS103	0.100	0.781	3.361	0.372	Surcharged
56.000	15 min Summer	13	PS102	PS103	0.133	1.151	2.698	0.042	OK
50.004	15 min Winter	14	PS103	S29	0.150	1.022	8.134	0.226	Surcharged
35.006	15 min Winter	15	S29	S30	0.300	0.558	39.450	0.546	Surcharged
57.000	15 min Summer	12	RE193B	PS770	0.024	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	12	PS769	PS770	0.024	0.000	0.000	0.000	OK
59.000	15 min Summer	12	RWP194A	PS770	0.024	0.000	0.000	0.000	OK
60.000	15 min Summer	12	RWP193C	PS770	0.024	0.000	0.000	0.000	OK
61.000	15 min Summer	12	RWP193B	PS770	0.024	0.000	0.000	0.000	OK
57.001	15 min Summer	12	PS770	PS695	0.074	0.153	0.919	0.148	OK
62.000	15 min Summer	10	RE193C	PS695	0.050	0.000	0.000	0.000	OK
57.002	30 min Summer	22	PS695	PS697	0.100	0.276	1.694	0.137	Surcharged
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	11	PS737	PS699	0.027	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	11	PS801	PS699	0.027	0.000	0.000	0.000	OK
68.000	15 min Summer	11	RWP194B	PS699	0.027	0.000	0.000	0.000	OK
63.002	15 min Summer	12	PS699	PS696	0.077	0.185	0.993	0.078	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	8	PS772	PS696	0.050	0.000	0.000	0.000	OK
63.003	15 min Winter	17	PS696	PS697	0.100	0.487	3.058	0.357	Surcharged
57.003	15 min Winter	17	PS697	S30	0.150	0.300	5.310	0.269	Surcharged
1.014	15 min Winter	13	S30	S31	0.300	1.407	99.481	1.569	Surcharged
1.015	15 min Winter	13	S31	S32	0.300	1.475	104.277	1.628	Surcharged
1.016	15 min Winter	12	S32	S33	0.375	1.075	118.750	1.217	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 Summer	1462	PS704	PS703	0.013	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 Summer	1462	RE161B	PS703	0.013	0.000	0.000	0.000	OK
71.003	1440 min Summer	2715	PS703	PS702	0.050	0.021	0.061	0.010	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	1440 min Summer	1451	PS701	PS702	0.037	0.000	0.000	0.000	OK
71.004	1440 min Summer	2715	PS702	S33	0.137	0.005	0.087	0.001	OK
1.017	15 min Winter	10	S33	S34	0.375	1.464	161.696	1.518	Surcharged
77.000	30 min Summer	17	S101	S40	0.225	0.963	27.287	0.640	OK
77.001	15 min Winter	8	S40	S41	0.225	0.696	25.087	0.590	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	8	PS413	PS411	0.050	0.000	0.000	0.000	OK
79.000	15 min Summer	11	GY176	PS410	0.069	0.000	0.000	0.000	OK
80.000	15 min Summer	11	RWP176A	PS410	0.044	0.000	0.000	0.000	OK
79.001	15 min Summer	12	PS410	PS411	0.144	0.183	2.682	0.086	OK
78.003	15 min Winter	15	PS411	S41	0.150	0.359	5.222	0.263	Surcharged
77.002	15 min Winter	8	S41	S42	0.225	1.117	44.414	1.297	OK
77.003	15 min Winter	12	S42	S43	0.225	1.236	49.161	1.482	OK
77.004	15 min Winter	8	S43	S44	0.375	1.063	93.600	0.835	Surcharged
81.000	1440 min Summer	847	DF168	PS85	0.150	0.576	2.558	0.078	Surcharged
82.000	1440 min Winter	2654	RWP168C	PS85	0.100	0.014	0.114	0.005	Surcharged
81.001	120 min Summer	1065	PS85	S44	0.150	0.798	1.724	0.054	Surcharged
77.005	15 min Winter	10	S44	S35	0.375	0.953	94.281	0.836	Surcharged
83.000	1440 min Winter	4701	RWP168D	RE168	0.100	0.072	0.077	0.009	Surcharged
83.001	1440 min Winter	2356	RE168	PS773	0.100	0.016	0.099	0.014	Surcharged
84.000	1440 min Winter	2836	ACO167	PS773	0.100	0.013	0.081	0.007	Surcharged
85.000	1440 min Winter	4690	RWP168A	PS773	0.100	0.020	0.084	0.005	Surcharged
86.000	1440 min Summer	3157	RWP167C	PS773	0.087	0.014	0.071	0.003	OK
83.002	1440 min Summer	847	PS773	PS774	0.150	0.017	0.306	0.013	Surcharged
83.003	15 min Winter	14	PS774	S35	0.150	0.165	2.246	0.090	Surcharged
87.000	1440 min Summer	1442	ACO165B	RE165A	0.013	0.000	0.000	0.000	OK
87.001	1440 min Summer	2408	RE165A	PS717	0.063	0.012	0.058	0.006	OK
87.002	1440 min Summer	4658	PS717	PS718	0.100	0.011	0.088	0.009	Surcharged
88.000	1440 min Summer	1554	RE166A	PS719	0.063	0.012	0.062	0.004	OK
89.000	1440 min Summer	3623	RWP167A	PS719	0.088	0.019	0.082	0.004	OK
90.000	120 min Summer	1062	ACO166	PS719	0.050	0.000	0.000	0.000	OK
88.001	360 min Winter	295	PS719	PS718	0.150	0.008	0.140	0.005	Surcharged
87.003	15 min Winter	17	PS718	S35	0.150	0.161	2.353	0.098	Surcharged
77.006	15 min Winter	11	S35	S137	0.375	1.011	105.841	0.934	Surcharged
77.007	15 min Winter	11	S137	S34	0.375	0.968	106.909	0.905	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	120 min Summer	1064	PS709	PS710	0.050	0.000	0.000	0.000	OK
96.000	120 min Summer	1064	ACO162A	PS710	0.050	0.000	0.000	0.000	OK
97.000	120 min Summer	1064	RWP162B	PS710	0.050	0.000	0.000	0.000	OK
91.003	960 min Winter	646	PS710	S34	0.100	0.012	0.091	0.005	Surcharged
1.018	15 min Winter	11	S34	S36	0.375	2.415	266.773	2.389	Surcharged
1.019	15 min Winter	12	S36	S37	0.375	3.374	316.113	2.079	Surcharged
1.020	1440 min Winter	1246	S37	S38	0.375	0.014	1.596	0.012	Surcharged
1.021	1440 min Summer	1440	S38	S39	0.225	0.040	1.592	0.042	OK

Permeable Paving Storage

Permeable Paving	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
Permeable Paving33	30 min Summer	24	5.651	0.050	2.387		OK
Permeable Paving31	30 min Summer	23	5.492	0.047	2.308		OK
Permeable Paving30	30 min Summer	24	5.364	0.050	2.383		OK
Permeable Paving62	720 min Winter	699	5.296	0.063	0.055		OK
Permeable Paving61	30 min Summer	23	5.041	0.047	2.260		OK
Permeable Paving60	30 min Summer	24	5.139	0.049	2.313		OK
Permeable Paving54	30 min Summer	23	5.031	0.046	2.191		OK
Permeable Paving86	30 min Summer	24	4.974	0.052	1.745		OK
Permeable Paving47	1440 min Summer	1455	4.775	0.057	0.075		OK

Return Period Yrs: 100.0

Climate Change %: 0

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RE180B	15 min Summer	8	5.639	0.039	2.192		OK
RWP180B	-	0	5.650	0.000	0.000		OK
PS753	15 min Summer	8	5.534	0.034	2.174		OK
RWP180C	-	0	5.650	0.000	0.000		OK
PS750	15 min Summer	11	5.498	0.198	1.325		Surcharged
RWP178B	-	0	5.500	0.000	0.000		OK
RE179	15 min Summer	11	5.500	0.050	1.381		OK
PS118	15 min Summer	11	5.498	0.198	1.351		Surcharged
PS119	15 min Summer	11	5.493	0.343	3.366		Surcharged
ACO178	15 min Summer	11	5.505	0.035	0.235		OK
RWP178A	15 min Summer	12	5.503	0.003	0.000		OK
RE178	15 min Summer	11	5.503	0.078	1.492		OK
RWP178C	15 min Summer	11	5.500	0.000	0.000		OK
PS122	15 min Summer	11	5.496	0.196	1.000		Surcharged
PS120	15 min Summer	11	5.490	0.390	5.584		Surcharged
S45	15 min Summer	10	5.481	0.631	14.009		Surcharged
S46	15 min Summer	10	5.472	0.682	34.348		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 Summer	11	5.389	0.089	0.000		OK
DF185	15 min Summer	11	5.391	0.091	0.745		OK
PS50	15 min Summer	11	5.386	0.236	2.407		Surcharged
S47	15 min Summer	11	5.379	0.729	47.210		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	572	5.182	0.032	0.011		OK
DF189	30 min Summer	24	5.182	0.032	1.918		OK
RWP189A	-	0	5.350	0.000	0.000		OK
PS54	600 min Winter	579	5.182	0.132	0.059		OK
S48	600 min Winter	579	5.182	0.677	0.849		Surcharged
RE189A	-	0	5.300	0.000	0.000		OK
PS766	600 min Winter	580	5.182	0.007	0.000		OK
RWP190A	-	0	5.350	0.000	0.000		OK
PS767	600 min Winter	582	5.182	0.132	0.012		Surcharged
DF191	600 min Winter	579	5.182	0.182	0.052		Surcharged
RWP191A	-	0	5.225	0.000	0.000		OK
PS56	600 min Winter	582	5.182	0.282	0.057		Surcharged
S142	600 min Winter	579	5.182	0.747	0.898		Surcharged
S139	600 min Winter	579	5.182	0.832	0.904		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	579	5.182	0.032	0.021		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	580	5.182	0.282	0.009		Surcharged
S51	600 min Winter	580	5.182	0.602	0.355		Surcharged
RWP250	-	0	5.200	0.000	0.000		OK
RE250A	600 min Winter	581	5.182	0.012	0.013		OK
PS603	600 min Winter	581	5.182	0.082	0.011		OK
PS604	600 min Winter	582	5.182	0.232	0.016		Surcharged
DF251	600 min Winter	582	5.182	0.132	0.040		OK
PS128	600 min Winter	582	5.182	0.407	0.042		Surcharged
RWP251C	-	0	5.300	0.000	0.000		OK
PS129	600 min Winter	582	5.182	0.507	0.033		Surcharged
S52	600 min Winter	580	5.182	0.732	0.366		Surcharged
S141	600 min Winter	580	5.182	0.832	0.362		Surcharged
S140	600 min Winter	581	5.181	0.981	1.344		Surcharged
S143	600 min Winter	581	5.181	1.026	1.350		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 Summer	11	4.811	0.086	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	15 min Summer	11	4.798	0.198	0.000		Surcharged
PS608	15 min Summer	11	4.796	0.346	2.067		Surcharged
S145	15 min Summer	10	4.797	0.587	31.473		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 Summer	11	4.784	0.393	5.337		Surcharged
RWP255B	-	0	5.000	0.000	0.000		OK
DF255	30 min Summer	24	4.819	0.019	1.892		OK
PS131	15 min Summer	11	4.758	0.208	0.666		Surcharged
S50	15 min Summer	11	4.756	0.756	46.162		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	60 min Summer	40	4.924	0.024	2.081		OK
PS117	15 min Summer	11	4.783	0.152	0.669		Surcharged
S147	15 min Summer	11	4.782	0.503	10.453		Surcharged
ACO232	15 min Summer	9	4.890	0.070	0.000		OK
RE232A	15 min Summer	9	4.890	0.090	6.467		OK
PS247	15 min Summer	11	4.750	0.115	3.952		OK
ACO234	15 min Summer	9	4.971	0.001	0.000		OK
RWP234A	-	0	5.000	0.000	0.000		OK
RE234A	15 min Summer	8	4.971	0.046	2.851		OK
RWP234B	-	0	5.000	0.000	0.000		OK
PS245	15 min Summer	8	4.835	0.035	2.805		OK
RWP233A	-	0	4.850	0.000	0.000		OK
ACO233	-	0	4.820	0.000	0.000		OK
DF233	30 min Summer	24	4.796	0.021	1.852		OK
RWP233B	-	0	4.850	0.000	0.000		OK
PS842	15 min Summer	11	4.744	0.094	1.268		OK
PS105	15 min Summer	11	4.741	0.191	6.171		Surcharged
S55	15 min Summer	11	4.737	0.536	5.616		Surcharged
RWP230C	15 min Summer	9	5.011	0.011	0.000		OK
RE230A	15 min Summer	9	5.011	0.031	1.178		OK
RWP230A	-	0	5.000	0.000	0.000		OK
PS835	15 min Summer	9	4.884	0.024	1.186		OK
PS738	15 min Summer	11	4.729	0.129	0.856		Surcharged
ACO231B	-	0	4.910	0.000	0.000		OK
RE231A	-	0	4.850	0.000	0.000		OK
PS692	15 min Summer	11	4.743	0.093	0.111		OK
RE231B	15 min Summer	8	5.097	0.022	1.221		OK
RWP231F	-	0	4.900	0.000	0.000		OK
ACO231	-	0	4.910	0.000	0.000		OK
PS836	15 min Summer	8	4.822	0.022	1.212		OK
PS693	15 min Summer	11	4.729	0.279	0.745		Surcharged
PS102	60 min Summer	40	4.766	0.016	1.520		OK
PS103	15 min Summer	11	4.726	0.376	2.136		Surcharged
S29	15 min Summer	11	4.721	0.746	27.394		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	15 min Summer	11	4.713	0.038	0.720		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 Summer	11	4.714	0.414	0.000		Surcharged
PS697	15 min Summer	11	4.710	0.560	0.463		Surcharged
S30	15 min Summer	11	4.706	0.806	91.695		Surcharged
S31	1440 min Winter	1451	4.689	0.854	1.508		Surcharged
S32	1440 min Winter	1451	4.689	0.969	1.499		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	1440 min Winter	1442	4.689	0.039	0.000		OK
S33	1440 min Winter	1442	4.689	1.069	1.512		Surcharged
S101	15 min Summer	10	4.867	0.203	22.085		OK
S40	15 min Summer	10	4.827	0.449	24.005		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 Summer	10	4.807	0.332	0.766		Surcharged
S41	15 min Summer	10	4.807	0.507	42.414		Surcharged
S42	1440 min Winter	1442	4.689	0.504	0.030		Surcharged
S43	1440 min Winter	1442	4.689	0.764	0.029		Surcharged
DF168	1440 min Winter	1451	4.689	0.239	0.016		Surcharged
RWP168C	1440 min Winter	1451	4.689	0.064	0.012		OK
PS85	1440 min Winter	1435	4.689	0.339	0.024		Surcharged
S44	1440 min Winter	1435	4.689	0.914	0.039		Surcharged
RWP168D	1440 min Winter	1478	4.690	0.065	0.000		OK
RE168	1440 min Winter	1478	4.690	0.090	0.008		OK
ACO167	1440 min Winter	1447	4.690	0.020	0.000		OK
RWP168A	1440 min Winter	1478	4.690	0.065	0.006		OK
RWP167C	-	0	4.700	0.000	0.000		OK
PS773	1440 min Winter	1478	4.690	0.240	0.026		Surcharged
PS774	1440 min Winter	1465	4.689	0.489	0.067		Surcharged
ACO165B	-	0	4.820	0.000	0.000		OK
RE165A	-	0	4.750	0.000	0.000		OK
PS717	1440 min Winter	1461	4.690	0.290	0.001		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	1461	4.690	0.340	0.000		Surcharged
PS718	1440 min Winter	1470	4.689	0.639	0.035		Surcharged
S35	1440 min Winter	1461	4.689	0.979	0.106		Surcharged
S137	1440 min Winter	1439	4.689	1.034	0.034		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	1469	4.689	0.289	0.008		Surcharged
S34	1440 min Winter	1439	4.689	1.139	1.603		Surcharged
S36	1440 min Winter	1439	4.689	1.164	1.635		Surcharged
S37	1440 min Winter	1440	4.689	1.264	1.576		Surcharged
S38	1440 min Winter	1440	4.689	1.289	1.559		Flood Risk
S39	15 min Summer	0	4.500	1.170	1.733		Outfall

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
1.000	15 min Summer	8	RE180B	PS753	0.036	0.839	2.174	0.322	OK
2.000	15 min Summer	8	RWP180B	PS753	0.017	0.000	0.000	0.000	OK
1.001	15 min Summer	9	PS753	PS750	0.067	0.888	2.159	0.244	OK
3.000	15 min Summer	9	RWP180C	PS750	0.050	0.000	0.000	0.000	OK
1.002	15 min Winter	13	PS750	PS119	0.100	0.787	2.173	0.284	Surcharged
4.000	15 min Summer	11	RWP178B	RE179	0.025	0.000	0.000	0.000	OK
4.001	15 min Summer	11	RE179	PS118	0.075	0.957	2.913	0.356	OK
4.002	30 min Summer	18	PS118	PS119	0.150	0.620	2.595	0.129	Surcharged
1.003	15 min Winter	13	PS119	PS120	0.150	0.816	5.860	0.300	Surcharged
5.000	15 min Summer	12	ACO178	RE178	0.056	0.177	0.529	0.064	OK
6.000	15 min Summer	12	RWP178A	RE178	0.040	0.021	0.025	0.001	OK
5.001	15 min Summer	11	RE178	PS122	0.089	0.892	3.109	0.474	OK
7.000	15 min Summer	11	RWP178C	PS122	0.050	0.002	0.001	0.000	OK
5.002	15 min Winter	10	PS122	PS120	0.100	0.928	2.850	0.346	Surcharged
1.004	15 min Winter	13	PS120	S45	0.150	1.144	9.744	0.368	Surcharged
1.005	15 min Winter	13	S45	S46	0.225	0.596	16.449	0.477	OK
1.006	15 min Winter	9	S46	S47	0.225	0.801	30.780	0.855	OK
8.000	15 min Summer	0	RE183A	PS755	0.000	0.000	0.000	0.000	OK
8.001	15 min Summer	11	PS755	PS731	0.045	0.000	0.000	0.000	OK
9.000	15 min Summer	11	RWP184A	PS731	0.045	0.000	0.000	0.000	OK
8.002	15 min Summer	12	PS731	PS50	0.095	0.291	1.215	0.122	OK
10.000	15 min Summer	12	DF185	PS50	0.120	0.838	2.371	0.126	OK
8.003	30 min Summer	22	PS50	S47	0.150	0.278	3.878	0.092	Surcharged
1.007	15 min Winter	10	S47	S48	0.225	1.222	48.576	1.333	OK
11.000	15 min Summer	0	RE187A	PS761	0.000	0.000	0.000	0.000	OK
11.001	600 min Winter	572	PS761	PS762	0.016	0.000	0.000	0.000	OK
12.000	600 min Winter	572	RWP188A	PS762	0.016	0.000	0.000	0.000	OK
11.002	600 min Winter	660	PS762	PS54	0.057	0.018	0.051	0.008	OK
13.000	600 min Winter	579	DF189	PS54	0.082	0.549	0.356	0.017	OK
14.000	600 min Winter	579	RWP189A	PS54	0.041	0.000	0.000	0.000	OK
11.003	600 min Winter	579	PS54	S48	0.141	0.704	0.356	0.008	OK
1.008	15 min Winter	9	S48	S142	0.225	1.661	66.058	1.867	OK
15.000	600 min Winter	580	RE189A	PS766	0.003	0.000	0.000	0.000	OK
15.001	600 min Winter	580	PS766	PS767	0.053	0.006	0.024	0.004	OK
16.000	360 min Summer	319	RWP190A	PS767	0.050	0.000	0.000	0.000	OK
15.002	360 min Winter	673	PS767	PS56	0.100	0.012	0.065	0.006	Surcharged
17.000	480 min Summer	393	DF191	PS56	0.150	0.677	0.727	0.034	Surcharged
18.000	120 min Summer	104	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	180 min Summer	131	PS56	S142	0.150	0.697	1.392	0.032	Surcharged
1.009	15 min Winter	10	S142	S139	0.225	1.613	63.273	1.487	OK
1.010	15 min Winter	10	S139	S140	0.225	2.220	62.306	0.927	OK
19.000	15 min Summer	0	RWP248A	RE248A	0.000	0.000	0.000	0.000	OK
19.001	600 min Winter	579	RE248A	PS597	0.016	0.000	0.000	0.000	OK
20.000	600 min Winter	579	RE249B	PS597	0.016	0.000	0.000	0.000	OK
19.002	600 min Winter	605	PS597	PS596	0.066	0.010	0.053	0.007	OK
21.000	15 min Summer	0	RWP248B	RE248B	0.000	0.000	0.000	0.000	OK
21.001	120 min Summer	105	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	105	RE249A	PS596	0.050	0.000	0.000	0.000	OK
19.003	480 min Winter	522	PS596	S51	0.150	0.004	0.076	0.002	Surcharged
19.004	30 min Summer	17	S51	S52	0.225	1.144	43.184	1.251	OK
23.000	600 min Winter	581	RWP250	RE250A	0.006	0.000	0.000	0.000	OK
23.001	600 min Winter	603	RE250A	PS603	0.047	0.012	0.036	0.006	OK
23.002	600 min Winter	787	PS603	PS604	0.091	0.011	0.057	0.009	OK
23.003	180 min Summer	193	PS604	PS128	0.100	0.013	0.105	0.016	Surcharged
24.000	600 min Winter	582	DF251	PS128	0.141	0.589	0.333	0.006	OK
23.004	60 min Winter	45	PS128	PS129	0.150	0.642	1.402	0.063	Surcharged
25.000	30 min Summer	26	RWP251C	PS129	0.050	0.000	0.000	0.000	OK
23.005	30 min Winter	28	PS129	S52	0.150	0.090	1.478	0.055	Surcharged
19.005	15 min Winter	13	S52	S141	0.225	1.375	43.506	1.022	OK
19.006	15 min Winter	10	S141	S140	0.225	1.683	41.876	0.688	OK
1.011	15 min Winter	8	S140	S143	0.225	0.540	10.559	0.284	OK
1.012	15 min Winter	16	S143	S50	0.225	0.491	4.783	0.119	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	11	PS606	PS607	0.043	0.000	0.000	0.000	OK
26.003	15 min Summer	11	PS607	PS608	0.093	0.202	1.484	0.186	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	10	PS610	PS611	0.050	0.000	0.000	0.000	OK
28.003	15 min Winter	13	PS611	PS608	0.100	0.274	1.431	0.162	Surcharged
26.004	15 min Winter	13	PS608	S145	0.150	0.317	3.436	0.123	Surcharged
26.005	30 min Summer	15	S145	S50	0.225	1.073	31.010	0.702	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 Summer	9	PS733	S144	0.075	0.000	0.000	0.000	OK
30.003	15 min Winter	9	S144	S50	0.150	1.010	9.474	0.464	Surcharged
33.000	15 min Summer	10	RWP255B	PS131	0.050	0.000	0.000	0.000	OK
34.000	30 min Summer	24	DF255	PS131	0.083	1.284	1.892	0.036	OK
33.001	30 min Summer	21	PS131	S50	0.150	1.134	3.022	0.075	Surcharged
1.013	15 min Winter	8	S50	S30	0.300	0.734	48.614	0.779	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	11	PS775	PS117	0.050	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	11	RE229A	PS117	0.050	0.000	0.000	0.000	OK
41.000	15 min Summer	17	DF229	PS117	0.082	1.188	1.788	0.046	OK
35.004	15 min Summer	12	PS117	S147	0.150	0.866	2.932	0.062	Surcharged
35.005	15 min Winter	8	S147	S29	0.150	1.115	15.185	0.838	Surcharged
42.000	15 min Summer	11	ACO232	RE232A	0.080	0.106	0.372	0.063	OK
42.001	15 min Summer	9	RE232A	PS247	0.086	0.910	6.535	1.085	OK
42.002	15 min Summer	11	PS247	PS105	0.133	1.062	6.546	0.443	OK
43.000	15 min Summer	9	ACO234	RE234A	0.024	0.010	0.003	0.000	OK
44.000	15 min Summer	8	RWP234A	RE234A	0.023	0.000	0.000	0.000	OK
43.001	15 min Summer	8	RE234A	PS245	0.041	0.933	2.805	0.421	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 Summer	8	RWP234B	PS245	0.018	0.000	0.000	0.000	OK
43.002	15 min Summer	10	PS245	PS105	0.066	1.123	2.785	0.268	OK
46.000	15 min Summer	11	RWP233A	PS842	0.022	0.000	0.000	0.000	OK
47.000	15 min Summer	11	ACO233	PS842	0.022	0.000	0.000	0.000	OK
48.000	15 min Summer	17	DF233	PS842	0.053	0.800	1.621	0.035	OK
49.000	15 min Summer	11	RWP233B	PS842	0.022	0.000	0.000	0.000	OK
46.001	15 min Summer	12	PS842	PS105	0.122	0.766	1.639	0.098	OK
42.003	30 min Summer	19	PS105	S55	0.150	1.216	8.748	0.176	Surcharged
42.004	15 min Winter	13	S55	S29	0.150	0.672	9.952	0.674	Surcharged
50.000	15 min Summer	11	RWP230C	RE230A	0.021	0.068	0.048	0.005	OK
50.001	15 min Summer	9	RE230A	PS835	0.027	0.681	1.186	0.197	OK
51.000	15 min Summer	9	RWP230A	PS835	0.012	0.000	0.000	0.000	OK
50.002	15 min Summer	10	PS835	PS738	0.061	0.778	1.187	0.126	OK
50.003	15 min Summer	12	PS738	PS103	0.100	0.674	1.652	0.206	Surcharged
52.000	15 min Summer	0	ACO231B	RE231A	0.000	0.000	0.000	0.000	OK
52.001	15 min Summer	11	RE231A	PS692	0.046	0.000	0.000	0.000	OK
52.002	15 min Summer	12	PS692	PS693	0.096	0.149	0.907	0.114	OK
53.000	15 min Summer	8	RE231B	PS836	0.022	0.934	1.212	0.108	OK
54.000	15 min Summer	8	RWP231F	PS836	0.011	0.000	0.000	0.000	OK
55.000	15 min Summer	8	ACO231	PS836	0.011	0.000	0.000	0.000	OK
53.001	15 min Summer	9	PS836	PS693	0.061	0.850	1.202	0.108	OK
52.003	15 min Winter	14	PS693	PS103	0.100	0.746	3.317	0.368	Surcharged
56.000	60 min Summer	40	PS102	PS103	0.083	1.104	1.519	0.023	OK
50.004	15 min Winter	14	PS103	S29	0.150	0.992	6.643	0.184	Surcharged
35.006	15 min Winter	13	S29	S30	0.300	0.475	33.569	0.465	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	11	PS770	PS695	0.019	0.000	0.000	0.000	OK
62.000	15 min Summer	11	RE193C	PS695	0.019	0.000	0.000	0.000	OK
57.002	15 min Summer	12	PS695	PS697	0.069	0.117	0.539	0.044	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	8	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	8	PS772	PS696	0.050	0.000	0.000	0.000	OK
63.003	15 min Winter	15	PS696	PS697	0.100	0.308	2.247	0.262	Surcharged
57.003	15 min Winter	14	PS697	S30	0.150	0.289	4.279	0.217	Surcharged
1.014	15 min Winter	12	S30	S31	0.300	1.323	93.550	1.475	Surcharged
1.015	15 min Winter	12	S31	S32	0.300	1.388	98.117	1.532	Surcharged
1.016	15 min Winter	12	S32	S33	0.375	1.023	112.952	1.158	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	1440 min Winter	1686	PS702	S33	0.095	0.004	0.047	0.001	OK
1.017	15 min Winter	10	S33	S34	0.375	1.364	150.632	1.414	Surcharged
77.000	15 min Summer	10	S101	S40	0.214	0.986	27.294	0.640	OK
77.001	15 min Winter	9	S40	S41	0.225	0.697	25.434	0.598	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	8	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	8	PS410	PS411	0.075	0.000	0.000	0.000	OK
78.003	15 min Winter	13	PS411	S41	0.150	0.221	2.906	0.146	Surcharged
77.002	15 min Winter	9	S41	S42	0.225	1.071	42.570	1.243	OK
77.003	30 min Summer	17	S42	S43	0.225	1.217	48.386	1.459	OK
77.004	30 min Summer	17	S43	S44	0.375	1.049	87.372	0.779	Surcharged
81.000	1440 min Summer	988	DF168	PS85	0.150	0.561	1.518	0.046	Surcharged
82.000	1440 min Winter	1824	RWP168C	PS85	0.082	0.012	0.063	0.003	OK
81.001	180 min Summer	1224	PS85	S44	0.150	0.775	1.236	0.039	Surcharged
77.005	15 min Winter	10	S44	S35	0.375	0.956	87.915	0.780	Surcharged
83.000	1440 min Winter	3202	RWP168D	RE168	0.077	0.086	0.093	0.010	OK
83.001	1440 min Winter	1963	RE168	PS773	0.095	0.017	0.100	0.014	OK
84.000	1440 min Winter	1447	ACO167	PS773	0.060	0.015	0.072	0.006	OK
85.000	1440 min Winter	3209	RWP168A	PS773	0.082	0.024	0.101	0.006	OK
86.000	960 min Summer	894	RWP167C	PS773	0.050	0.000	0.000	0.000	OK
83.002	1440 min Winter	2016	PS773	PS774	0.150	0.008	0.150	0.006	Surcharged
83.003	30 min Summer	1261	PS774	S35	0.150	0.101	1.537	0.062	Surcharged
87.000	15 min Summer	0	ACO165B	RE165A	0.000	0.000	0.000	0.000	OK
87.001	120 min Summer	1438	RE165A	PS717	0.050	0.000	0.000	0.000	OK
87.002	1440 min Summer	3150	PS717	PS718	0.100	0.011	0.089	0.010	Surcharged
88.000	120 min Summer	1438	RE166A	PS719	0.050	0.000	0.000	0.000	OK
89.000	120 min Summer	1438	RWP167A	PS719	0.050	0.000	0.000	0.000	OK
90.000	120 min Summer	1438	ACO166	PS719	0.050	0.000	0.000	0.000	OK
88.001	1440 min Summer	829	PS719	PS718	0.150	0.008	0.136	0.005	Surcharged
87.003	15 min Winter	15	PS718	S35	0.150	0.118	1.737	0.073	Surcharged
77.006	15 min Winter	11	S35	S137	0.375	1.038	97.616	0.861	Surcharged
77.007	15 min Winter	11	S137	S34	0.375	0.888	98.051	0.830	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	120 min Summer	1439	PS709	PS710	0.050	0.000	0.000	0.000	OK
96.000	120 min Summer	1439	ACO162A	PS710	0.050	0.000	0.000	0.000	OK
97.000	120 min Summer	1439	RWP162B	PS710	0.050	0.000	0.000	0.000	OK
91.003	720 min Winter	1264	PS710	S34	0.100	0.008	0.063	0.003	Surcharged
1.018	15 min Winter	11	S34	S36	0.375	2.218	244.993	2.194	Surcharged
1.019	15 min Winter	12	S36	S37	0.375	3.191	289.655	1.905	Surcharged
1.020	15 min Winter	12	S37	S38	0.375	0.036	1.879	0.014	Surcharged
1.021	1440 min Winter	1440	S38	S39	0.225	0.039	1.559	0.041	OK

Permeable Paving Storage

Permeable Paving	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
Permeable Paving33	60 min Summer	40	5.647	0.045	2.090		OK
Permeable Paving31	30 min Summer	24	5.487	0.042	1.879		OK
Permeable Paving30	60 min Summer	40	5.359	0.045	2.086		OK
Permeable Paving62	30 min Summer	24	5.273	0.041	1.751		OK
Permeable Paving61	30 min Summer	24	5.036	0.042	1.840		OK
Permeable Paving60	60 min Summer	40	5.134	0.045	2.025		OK
Permeable Paving54	30 min Summer	24	5.027	0.041	1.783		OK
Permeable Paving86	60 min Summer	40	4.970	0.047	1.528		OK
Permeable Paving47	30 min Summer	24	4.760	0.042	1.886		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	15 min Summer	12	5.809	0.209	0.925		Surcharged
RWP180B	15 min Summer	12	5.803	0.153	0.000		Surcharged
PS753	15 min Summer	12	5.803	0.303	1.746		Surcharged
RWP180C	15 min Summer	12	5.788	0.138	0.000		Surcharged
PS750	15 min Summer	12	5.788	0.488	2.249		Surcharged
RWP178B	15 min Summer	11	5.812	0.312	0.147		Flood Risk
RE179	15 min Summer	11	5.812	0.362	1.991		Flood Risk
PS118	15 min Summer	11	5.804	0.504	1.701		Flood Risk
PS119	15 min Summer	11	5.798	0.648	2.761		Surcharged
ACO178	15 min Summer	12	5.806	0.336	0.000		Flood Risk
RWP178A	15 min Summer	12	5.806	0.306	0.000		Flood Risk
RE178	15 min Summer	12	5.806	0.381	1.935		Flood Risk
RWP178C	15 min Summer	12	5.788	0.288	0.000		Flood Risk
PS122	15 min Summer	12	5.788	0.488	2.305		Surcharged
PS120	15 min Summer	11	5.794	0.694	3.484		Surcharged
S45	15 min Summer	10	5.811	0.961	17.597		Surcharged
S46	15 min Summer	10	5.810	1.020	33.367		Surcharged
RE183A	15 min Summer	11	5.695	0.095	0.587		OK
PS755	15 min Summer	11	5.695	0.220	1.083		Surcharged
RWP184A	15 min Summer	11	5.690	0.040	0.000		OK
PS731	15 min Summer	11	5.688	0.388	0.754		Surcharged
DF185	15 min Summer	11	5.682	0.382	3.455		Surcharged
PS50	15 min Summer	10	5.688	0.538	9.280		Surcharged
S47	15 min Summer	10	5.708	1.058	66.931		Surcharged
RE187A	960 min Winter	931	5.457	0.057	0.000		OK
PS761	960 min Winter	928	5.457	0.182	0.018		Surcharged
RWP188A	960 min Winter	930	5.457	0.007	0.000		OK
PS762	960 min Winter	931	5.457	0.307	0.033		Surcharged
DF189	960 min Winter	929	5.457	0.307	0.045		Surcharged
RWP189A	960 min Winter	922	5.457	0.107	0.003		Surcharged
PS54	960 min Winter	927	5.457	0.407	0.052		Surcharged
S48	960 min Winter	922	5.457	0.952	0.917		Surcharged
RE189A	960 min Winter	930	5.457	0.157	0.000		Surcharged
PS766	960 min Winter	923	5.457	0.282	0.037		Surcharged
RWP190A	960 min Winter	936	5.457	0.107	0.000		Surcharged
PS767	960 min Winter	933	5.457	0.407	0.031		Surcharged
DF191	960 min Winter	927	5.458	0.458	0.000		Surcharged
RWP191A	960 min Winter	928	5.457	0.232	0.026		Surcharged
PS56	960 min Winter	928	5.457	0.557	0.092		Surcharged
S142	960 min Winter	928	5.457	1.022	0.850		Surcharged
S139	960 min Winter	930	5.457	1.107	0.806		Flood Risk
RWP248A	960 min Winter	925	5.457	0.107	0.001		Surcharged
RE248A	960 min Winter	925	5.457	0.157	0.006		Surcharged
RE249B	960 min Winter	935	5.457	0.157	0.002		Surcharged
PS597	960 min Winter	930	5.457	0.307	0.023		Surcharged
RWP248B	960 min Winter	926	5.457	0.107	0.003		Surcharged
RE248B	960 min Winter	926	5.457	0.157	0.009		Surcharged
RWP249B	960 min Winter	936	5.457	0.057	0.018		OK
RE249A	960 min Winter	926	5.457	0.107	0.028		Surcharged
PS596	960 min Winter	931	5.457	0.557	0.046		Surcharged
S51	960 min Winter	932	5.457	0.877	0.305		Surcharged
RWP250	960 min Winter	923	5.457	0.257	0.000		Surcharged
RE250A	960 min Winter	923	5.457	0.287	0.013		Surcharged
PS603	960 min Winter	927	5.457	0.357	0.019		Surcharged
PS604	960 min Winter	937	5.457	0.507	0.019		Surcharged
DF251	960 min Winter	919	5.458	0.408	0.038		Flood Risk
PS128	960 min Winter	925	5.457	0.682	0.123		Surcharged
RWP251C	960 min Winter	936	5.457	0.157	0.024		Surcharged
PS129	960 min Winter	929	5.457	0.782	0.134		Surcharged
S52	960 min Winter	932	5.457	1.007	0.390		Surcharged
S141	960 min Winter	926	5.457	1.107	0.326		Flood Risk
S140	960 min Winter	928	5.457	1.257	1.335		Surcharged
S143	960 min Winter	928	5.457	1.302	1.324		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RWP251B	15 min Summer	13	5.104	0.004	0.000		OK
RE251A	15 min Summer	12	5.105	0.055	0.239		OK
RWP253A	15 min Summer	12	5.103	0.103	0.215		Surcharged
RE253A	15 min Summer	12	5.103	0.128	0.359		Surcharged
PS606	15 min Summer	12	5.102	0.227	0.675		Surcharged
PS607	15 min Summer	11	5.113	0.388	3.230		Surcharged
RWP255A	15 min Summer	12	5.122	0.122	0.000		Surcharged
RE255A	15 min Summer	12	5.121	0.171	0.362		Surcharged
ACO254	15 min Summer	12	5.116	0.071	0.000		OK
PS610	15 min Summer	12	5.115	0.265	1.052		Surcharged
PS611	15 min Summer	11	5.138	0.538	2.672		Surcharged
PS608	15 min Summer	10	5.165	0.715	11.181		Surcharged
S145	15 min Summer	10	5.188	0.978	45.507		Surcharged
RE191A	15 min Summer	11	5.178	0.053	0.745		OK
GY192A	15 min Summer	11	5.169	0.069	0.000		OK
PS732	15 min Summer	11	5.168	0.218	0.349		Surcharged
RWP192A	-	0	5.225	0.000	0.000		OK
PS733	15 min Summer	11	5.162	0.362	0.000		Surcharged
S144	15 min Summer	11	5.155	0.764	8.452		Surcharged
RWP255B	15 min Summer	11	5.107	0.107	0.000		Surcharged
DF255	15 min Summer	11	5.104	0.304	5.699		Surcharged
PS131	15 min Summer	11	5.105	0.555	4.924		Surcharged
S50	15 min Summer	10	5.119	1.119	74.830		Surcharged
RWP229D	30 min Summer	21	5.072	0.072	0.129		OK
RE229B	30 min Summer	21	5.072	0.122	0.263		Surcharged
RWP229E	30 min Summer	21	5.072	0.072	0.113		OK
RE229C	30 min Summer	21	5.072	0.122	0.227		Surcharged
RWP229C	30 min Summer	21	5.072	0.072	0.131		OK
ACO229	30 min Summer	21	5.071	0.026	0.135		OK
PS776	30 min Summer	21	5.071	0.221	0.879		Surcharged
RWP229F	-	0	5.075	0.000	0.000		OK
PS775	30 min Summer	21	5.071	0.246	0.949		Surcharged
RWP229B	15 min Summer	11	5.115	0.115	0.204		Surcharged
RE229A	15 min Summer	11	5.113	0.313	0.379		Surcharged
DF229	15 min Summer	11	5.104	0.204	1.268		Surcharged
PS117	15 min Summer	11	5.103	0.471	4.358		Surcharged
S147	15 min Summer	10	5.099	0.820	22.805		Surcharged
ACO232	15 min Summer	11	5.130	0.310	0.000		Flood Risk
RE232A	15 min Summer	11	5.129	0.329	4.681		Surcharged
PS247	15 min Summer	11	5.058	0.423	4.839		Surcharged
ACO234	15 min Summer	12	5.065	0.095	0.000		OK
RWP234A	15 min Summer	12	5.064	0.064	0.000		OK
RE234A	15 min Summer	12	5.064	0.139	1.562		Surcharged
RWP234B	15 min Summer	12	5.051	0.051	0.000		OK
PS245	15 min Summer	12	5.051	0.251	1.823		Surcharged
RWP233A	30 min Summer	20	5.048	0.198	0.229		Surcharged
ACO233	30 min Summer	20	5.048	0.228	0.000		Surcharged
DF233	30 min Summer	20	5.048	0.273	1.243		Surcharged
RWP233B	30 min Summer	20	5.047	0.197	0.000		Surcharged
PS842	30 min Summer	20	5.048	0.398	1.440		Surcharged
PS105	15 min Summer	11	5.049	0.499	7.526		Surcharged
S55	15 min Summer	11	5.047	0.846	2.754		Surcharged
RWP230C	15 min Summer	12	5.035	0.035	0.000		OK
RE230A	15 min Summer	12	5.035	0.055	0.798		OK
RWP230A	15 min Summer	12	5.029	0.029	0.000		OK
PS835	15 min Summer	12	5.029	0.169	0.991		Surcharged
PS738	15 min Summer	11	5.029	0.429	0.353		Surcharged
ACO231B	30 min Summer	20	5.026	0.116	0.410		Surcharged
RE231A	30 min Summer	20	5.026	0.176	0.808		Surcharged
PS692	30 min Summer	20	5.025	0.375	1.002		Surcharged
RE231B	15 min Summer	8	5.102	0.027	1.771		OK
RWP231F	15 min Summer	12	5.029	0.129	0.000		Surcharged
ACO231	30 min Summer	20	5.029	0.119	0.000		Surcharged
PS836	30 min Summer	20	5.028	0.228	0.924		Surcharged
PS693	30 min Summer	20	5.023	0.573	1.042		Surcharged
PS102	15 min Summer	11	5.025	0.275	4.496		Surcharged
PS103	15 min Summer	11	5.026	0.676	9.622		Surcharged
S29	15 min Summer	11	5.038	1.063	22.179		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	5.020	0.070	0.016		OK
RWP194A	15 min Summer	12	5.023	0.023	0.047		OK
RWP193C	-	0	5.075	0.000	0.000		OK
RWP193B	-	0	5.075	0.000	0.000		OK
PS770	30 min Summer	20	5.019	0.219	0.078		Surcharged
RE193C	-	0	5.070	0.000	0.000		OK
PS695	30 min Summer	20	5.013	0.338	0.000		Surcharged
RE159C	30 min Summer	21	5.013	0.013	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	21	5.009	0.109	0.228		Surcharged
RE194A	-	0	5.075	0.000	0.000		OK
ACO194B	30 min Summer	20	5.010	0.040	0.160		OK
PS801	30 min Summer	20	5.010	0.110	0.248		Surcharged
RWP194B	30 min Summer	20	5.010	0.010	0.187		OK
PS699	30 min Summer	20	5.009	0.209	1.136		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	15 min Summer	11	5.011	0.036	0.681		OK
PS696	15 min Summer	11	5.010	0.710	3.856		Surcharged
PS697	15 min Summer	11	5.027	0.877	5.865		Surcharged
S30	15 min Summer	10	5.036	1.136	102.001		Flood Risk
S31	1440 min Summer	1447	4.926	1.091	1.556		Surcharged
S32	1440 min Summer	1447	4.926	1.206	1.563		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 Summer	1450	4.926	0.176	0.000		Surcharged
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 Summer	1441	4.926	0.126	0.000		Surcharged
PS702	1440 min Summer	1447	4.926	0.276	0.020		Surcharged
S33	1440 min Summer	1447	4.926	1.306	1.569		Surcharged
S101	15 min Summer	10	5.405	0.742	31.932		Surcharged
S40	15 min Summer	11	5.329	0.951	27.726		Surcharged
RWP176C	15 min Summer	12	5.289	0.064	0.277		OK
RE176	15 min Summer	12	5.288	0.073	0.406		OK
PS413	15 min Summer	11	5.279	0.279	2.241		Surcharged
GY176	15 min Summer	11	5.299	0.209	0.850		Surcharged
RWP176A	15 min Summer	11	5.301	0.076	0.861		OK
PS410	15 min Summer	11	5.300	0.450	2.491		Surcharged
PS411	15 min Summer	11	5.293	0.818	5.016		Surcharged
S41	15 min Summer	11	5.292	0.992	47.548		Surcharged
S42	15 min Summer	11	5.109	0.924	52.397		Surcharged
S43	1440 min Summer	1444	4.926	1.001	0.000		Surcharged
DF168	1440 min Summer	1469	4.928	0.478	0.000		Flood Risk
RWP168C	1440 min Summer	1461	4.926	0.301	0.096		Flood Risk
PS85	1440 min Summer	1446	4.926	0.576	0.490		Flood Risk
S44	1440 min Summer	1445	4.926	1.151	0.074		Flood Risk
RWP168D	1440 min Summer	1446	4.926	0.301	0.027		Flood Risk
RE168	1440 min Summer	1446	4.926	0.326	0.017		Flood Risk
ACO167	1440 min Summer	1471	4.926	0.256	0.007		Flood Risk
RWP168A	1440 min Summer	1443	4.926	0.301	0.000		Flood Risk
RWP167C	1440 min Summer	1446	4.926	0.226	0.000		Surcharged
PS773	1440 min Summer	1446	4.926	0.476	0.069		Surcharged
PS774	1440 min Summer	1446	4.926	0.726	0.064		Surcharged
ACO165B	1440 min Summer	1448	4.926	0.106	0.000		Surcharged
RE165A	1440 min Summer	1448	4.926	0.176	0.009		Surcharged
PS717	1440 min Summer	1455	4.926	0.526	0.009		Surcharged
RE166A	1440 min Summer	1444	4.926	0.176	0.000		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RWP167A	1440 min Summer	1444	4.926	0.226	0.047		Surcharged
ACO166	1440 min Summer	1444	4.926	0.106	0.009		Surcharged
PS719	1440 min Summer	1444	4.926	0.576	0.051		Surcharged
PS718	1440 min Summer	1444	4.926	0.876	0.046		Surcharged
S35	1440 min Summer	1444	4.926	1.216	0.091		Flood Risk
S137	1440 min Summer	1444	4.926	1.271	0.109		Flood Risk
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	1440 min Summer	1444	4.926	0.026	0.010		OK
RWP162A	-	0	5.050	0.000	0.000		OK
PS709	1440 min Summer	1444	4.926	0.051	0.016		OK
ACO162A	1440 min Summer	1447	4.926	0.026	0.015		OK
RWP162B	-	0	5.050	0.000	0.000		OK
PS710	1440 min Summer	1444	4.926	0.526	0.018		Surcharged
S34	1440 min Summer	1447	4.925	1.375	1.785		Surcharged
S36	1440 min Summer	1447	4.925	1.400	1.788		Flood Risk
S37	1440 min Summer	1440	4.925	1.500	1.585		Flood Risk
S38	1440 min Summer	1440	4.925	1.525	1.526		Flood Risk
S39	15 min Summer	0	4.500	1.170	1.716		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	11	RE180B	PS753	0.100	0.905	2.926	0.434	Surcharged
2.000	15 min Winter	15	RWP180B	PS753	0.100	0.135	0.821	0.038	Surcharged
1.001	15 min Winter	16	PS753	PS750	0.100	0.891	3.171	0.358	Surcharged
3.000	15 min Winter	15	RWP180C	PS750	0.100	0.215	1.085	0.032	Surcharged
1.002	15 min Winter	16	PS750	PS119	0.100	0.813	4.590	0.600	Surcharged
4.000	60 min Summer	44	RWP178B	RE179	0.100	0.495	2.032	0.123	Surcharged
4.001	30 min Summer	16	RE179	PS118	0.100	0.987	3.709	0.453	Surcharged
4.002	15 min Winter	17	PS118	PS119	0.150	0.656	4.632	0.230	Surcharged
1.003	15 min Winter	17	PS119	PS120	0.150	0.841	9.945	0.508	Surcharged
5.000	30 min Summer	29	ACO178	RE178	0.100	0.492	2.631	0.320	Surcharged
6.000	15 min Winter	18	RWP178A	RE178	0.100	0.425	2.315	0.116	Surcharged
5.001	15 min Winter	18	RE178	PS122	0.100	0.892	4.265	0.651	Surcharged
7.000	15 min Winter	17	RWP178C	PS122	0.100	0.174	1.234	0.042	Surcharged
5.002	15 min Winter	18	PS122	PS120	0.100	0.960	6.562	0.797	Surcharged
1.004	15 min Winter	17	PS120	S45	0.150	1.149	17.161	0.648	Surcharged
1.005	15 min Winter	17	S45	S46	0.225	0.598	20.498	0.595	OK
1.006	15 min Winter	8	S46	S47	0.225	0.797	30.594	0.850	OK
8.000	15 min Summer	12	RE183A	PS755	0.098	0.153	1.107	0.178	OK
8.001	15 min Winter	15	PS755	PS731	0.100	0.247	1.397	0.197	Surcharged
9.000	15 min Summer	11	RWP184A	PS731	0.070	0.050	0.262	0.012	OK
8.002	15 min Winter	15	PS731	PS50	0.100	0.348	2.645	0.266	Surcharged
10.000	30 min Summer	23	DF185	PS50	0.150	0.855	5.780	0.306	Surcharged
8.003	15 min Winter	15	PS50	S47	0.150	0.491	8.673	0.206	Surcharged
1.007	15 min Winter	9	S47	S48	0.225	1.382	54.951	1.508	OK
11.000	960 min Winter	1097	RE187A	PS761	0.079	0.013	0.072	0.011	OK
11.001	15 min Winter	14	PS761	PS762	0.100	0.108	0.653	0.107	Surcharged
12.000	960 min Winter	951	RWP188A	PS762	0.053	0.010	0.040	0.002	OK
11.002	15 min Winter	14	PS762	PS54	0.100	0.271	1.270	0.188	Surcharged
13.000	15 min Winter	16	DF189	PS54	0.150	0.934	3.564	0.172	Surcharged
14.000	960 min Winter	1078	RWP189A	PS54	0.100	0.014	0.103	0.006	Surcharged
11.003	15 min Winter	15	PS54	S48	0.150	0.306	5.406	0.115	Surcharged
1.008	15 min Winter	9	S48	S142	0.225	1.934	76.880	2.173	OK
15.000	600 min Winter	630	RE189A	PS766	0.100	0.017	0.133	0.021	Surcharged
15.001	600 min Winter	619	PS766	PS767	0.100	0.024	0.186	0.031	Surcharged
16.000	1440 min Winter	1298	RWP190A	PS767	0.100	0.022	0.165	0.008	Surcharged
15.002	30 min Winter	33	PS767	PS56	0.100	0.082	0.556	0.055	Surcharged
17.000	30 min Winter	25	DF191	PS56	0.150	0.667	3.226	0.152	Surcharged
18.000	1440 min Winter	1245	RWP191A	PS56	0.100	0.027	0.210	0.012	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	15 min Winter	18	PS56	S142	0.150	0.234	4.110	0.096	Surcharged
1.009	15 min Winter	10	S142	S139	0.225	1.829	72.717	1.709	OK
1.010	15 min Winter	10	S139	S140	0.225	2.301	71.501	1.064	OK
19.000	1440 min Winter	1900	RWP248A	RE248A	0.100	0.071	0.155	0.011	Surcharged
19.001	600 min Summer	1092	RE248A	PS597	0.100	0.016	0.103	0.012	Surcharged
20.000	960 min Winter	1506	RE249B	PS597	0.100	0.018	0.121	0.014	Surcharged
19.002	480 min Winter	942	PS597	PS596	0.100	0.016	0.129	0.018	Surcharged
21.000	960 min Winter	850	RWP248B	RE248B	0.100	0.057	0.222	0.012	Surcharged
21.001	720 min Summer	775	RE248B	PS596	0.100	0.021	0.141	0.011	Surcharged
22.000	960 min Winter	936	RWP249B	RE249A	0.078	0.034	0.100	0.006	OK
22.001	720 min Winter	756	RE249A	PS596	0.100	0.019	0.140	0.010	Surcharged
19.003	15 min Winter	12	PS596	S51	0.150	0.271	4.097	0.125	Surcharged
19.004	15 min Winter	9	S51	S52	0.225	1.461	58.108	1.684	OK
23.000	480 min Summer	1589	RWP250	RE250A	0.100	0.074	0.095	0.009	Surcharged
23.001	720 min Winter	824	RE250A	PS603	0.100	0.020	0.157	0.024	Surcharged
23.002	720 min Winter	820	PS603	PS604	0.100	0.018	0.141	0.022	Surcharged
23.003	60 min Summer	66	PS604	PS128	0.100	0.041	0.323	0.050	Surcharged
24.000	60 min Winter	54	DF251	PS128	0.150	0.892	3.026	0.058	Surcharged
23.004	30 min Summer	20	PS128	PS129	0.150	0.452	3.600	0.162	Surcharged
25.000	360 min Winter	549	RWP251C	PS129	0.100	0.046	0.341	0.009	Surcharged
23.005	30 min Summer	20	PS129	S52	0.150	0.235	4.148	0.155	Surcharged
19.005	15 min Winter	8	S52	S141	0.225	1.451	51.810	1.217	OK
19.006	15 min Winter	9	S141	S140	0.225	1.756	50.419	0.829	OK
1.011	30 min Winter	12	S140	S143	0.225	0.498	9.231	0.248	OK
1.012	15 min Winter	21	S143	S50	0.225	0.484	4.206	0.105	OK
26.000	15 min Summer	13	RWP251B	RE251A	0.029	0.070	0.027	0.002	OK
26.001	15 min Summer	13	RE251A	PS606	0.078	0.084	0.498	0.069	OK
27.000	30 min Summer	23	RWP253A	RE253A	0.100	0.217	0.701	0.081	Surcharged
27.001	15 min Winter	15	RE253A	PS606	0.100	0.315	1.750	0.240	Surcharged
26.002	15 min Winter	15	PS606	PS607	0.100	0.388	2.877	0.427	Surcharged
26.003	15 min Winter	16	PS607	PS608	0.100	0.515	4.045	0.507	Surcharged
28.000	30 min Summer	23	RWP255A	RE255A	0.100	0.199	0.981	0.083	Surcharged
28.001	15 min Winter	14	RE255A	PS610	0.100	0.287	1.804	0.237	Surcharged
29.000	15 min Summer	13	ACO254	PS610	0.085	0.116	0.694	0.041	OK
28.002	15 min Winter	15	PS610	PS611	0.100	0.392	3.081	0.369	Surcharged
28.003	15 min Winter	15	PS611	PS608	0.100	0.574	4.510	0.511	Surcharged
26.004	15 min Winter	15	PS608	S145	0.150	0.558	9.869	0.354	Surcharged
26.005	15 min Winter	7	S145	S50	0.225	1.081	34.286	0.776	OK
30.000	15 min Summer	12	RE191A	PS732	0.076	0.213	0.420	0.068	OK
31.000	15 min Summer	12	GY192A	PS732	0.109	0.087	0.943	0.020	OK
30.001	30 min Summer	20	PS732	PS733	0.150	0.118	1.474	0.076	Surcharged
32.000	15 min Summer	9	RWP192A	PS733	0.050	0.000	0.000	0.000	OK
30.002	15 min Winter	14	PS733	S144	0.150	0.203	2.872	0.078	Surcharged
30.003	15 min Winter	7	S144	S50	0.150	1.009	10.915	0.534	Surcharged
33.000	15 min Summer	11	RWP255B	PS131	0.100	0.109	0.853	0.049	Surcharged
34.000	30 min Summer	22	DF255	PS131	0.150	1.336	5.893	0.112	Surcharged
33.001	30 min Summer	22	PS131	S50	0.150	0.416	7.350	0.182	Surcharged
1.013	15 min Winter	9	S50	S30	0.300	0.827	58.485	0.937	Surcharged
35.000	30 min Summer	24	RWP229D	RE229B	0.086	0.105	0.333	0.028	OK
35.001	30 min Summer	25	RE229B	PS776	0.100	0.151	0.964	0.149	Surcharged
36.000	30 min Summer	25	RWP229E	RE229C	0.086	0.206	0.646	0.045	OK
36.001	30 min Summer	26	RE229C	PS776	0.100	0.161	0.891	0.127	Surcharged
37.000	30 min Summer	25	RWP229C	PS776	0.086	0.249	1.174	0.058	OK
38.000	30 min Summer	23	ACO229	PS776	0.063	0.043	0.194	0.007	OK
35.002	15 min Winter	16	PS776	PS775	0.100	0.464	3.182	0.505	Surcharged
39.000	15 min Summer	10	RWP229F	PS775	0.050	0.000	0.000	0.000	OK
35.003	15 min Winter	17	PS775	PS117	0.100	0.619	4.436	0.697	Surcharged
40.000	30 min Summer	23	RWP229B	RE229A	0.100	0.085	0.478	0.033	Surcharged
40.001	15 min Winter	17	RE229A	PS117	0.100	0.371	1.625	0.237	Surcharged
41.000	15 min Winter	15	DF229	PS117	0.150	1.269	3.929	0.101	Surcharged
35.004	15 min Winter	17	PS117	S147	0.150	0.853	10.600	0.224	Surcharged
35.005	15 min Winter	7	S147	S29	0.150	1.122	15.725	0.868	Surcharged
42.000	15 min Winter	17	ACO232	RE232A	0.100	0.284	1.197	0.202	Surcharged
42.001	15 min Winter	9	RE232A	PS247	0.100	1.004	7.690	1.277	Surcharged
42.002	30 min Summer	16	PS247	PS105	0.150	1.060	7.163	0.485	Surcharged
43.000	15 min Summer	14	ACO234	RE234A	0.097	0.139	0.342	0.041	OK
44.000	15 min Summer	15	RWP234A	RE234A	0.082	0.230	0.844	0.048	OK
43.001	15 min Winter	12	RE234A	PS245	0.100	1.009	3.759	0.563	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
45.000	15 min Summer	14	RWP234B	PS245	0.075	0.339	1.591	0.054	OK
43.002	15 min Winter	10	PS245	PS105	0.100	1.173	3.723	0.359	Surcharged
46.000	15 min Winter	17	RWP233A	PS842	0.100	0.298	1.143	0.121	Surcharged
47.000	30 min Summer	28	ACO233	PS842	0.100	0.357	1.185	0.084	Surcharged
48.000	30 min Winter	28	DF233	PS842	0.150	0.872	6.916	0.151	Surcharged
49.000	15 min Winter	17	RWP233B	PS842	0.100	0.254	1.443	0.068	Surcharged
46.001	15 min Winter	17	PS842	PS105	0.150	0.856	8.540	0.510	Surcharged
42.003	15 min Winter	18	PS105	S55	0.150	1.189	15.489	0.311	Surcharged
42.004	15 min Winter	18	S55	S29	0.150	1.085	19.168	1.299	Surcharged
50.000	15 min Summer	13	RWP230C	RE230A	0.045	0.390	0.741	0.075	OK
50.001	15 min Summer	12	RE230A	PS835	0.077	0.759	1.731	0.288	OK
51.000	15 min Summer	13	RWP230A	PS835	0.065	0.244	1.127	0.043	OK
50.002	15 min Winter	10	PS835	PS738	0.100	0.815	1.597	0.169	Surcharged
50.003	15 min Winter	17	PS738	PS103	0.100	0.678	2.335	0.291	Surcharged
52.000	30 min Summer	24	ACO231B	RE231A	0.100	0.143	0.571	0.054	Surcharged
52.001	15 min Winter	15	RE231A	PS692	0.100	0.211	1.421	0.171	Surcharged
52.002	15 min Winter	17	PS692	PS693	0.100	0.346	2.715	0.340	Surcharged
53.000	15 min Summer	10	RE231B	PS836	0.062	1.040	1.760	0.157	OK
54.000	15 min Winter	15	RWP231F	PS836	0.100	0.135	0.749	0.094	Surcharged
55.000	30 min Summer	25	ACO231	PS836	0.100	0.134	0.613	0.039	Surcharged
53.001	15 min Winter	15	PS836	PS693	0.100	0.870	2.496	0.224	Surcharged
52.003	15 min Winter	16	PS693	PS103	0.100	0.796	6.253	0.693	Surcharged
56.000	30 min Summer	27	PS102	PS103	0.150	1.174	5.300	0.082	Surcharged
50.004	15 min Winter	16	PS103	S29	0.150	0.994	14.304	0.397	Surcharged
35.006	15 min Winter	17	S29	S30	0.300	0.711	50.259	0.696	Surcharged
57.000	15 min Summer	10	RE193B	PS770	0.050	0.000	0.000	0.000	OK
58.000	30 min Summer	20	RE193A	PS769	0.035	0.000	0.000	0.000	OK
58.001	30 min Summer	21	PS769	PS770	0.085	0.096	0.538	0.030	OK
59.000	15 min Summer	13	RWP194A	PS770	0.061	0.042	0.112	0.010	OK
60.000	15 min Summer	10	RWP193C	PS770	0.050	0.000	0.000	0.000	OK
61.000	15 min Summer	10	RWP193B	PS770	0.050	0.000	0.000	0.000	OK
57.001	15 min Winter	13	PS770	PS695	0.100	0.220	1.291	0.208	Surcharged
62.000	15 min Summer	9	RE193C	PS695	0.050	0.000	0.000	0.000	OK
57.002	15 min Winter	16	PS695	PS697	0.100	0.407	2.933	0.237	Surcharged
63.000	30 min Summer	21	RE159C	PS737	0.057	0.079	0.228	0.037	OK
64.000	15 min Summer	12	RWP194C	PS737	0.050	0.000	0.000	0.000	OK
65.000	15 min Summer	12	RWP159F	PS737	0.050	0.000	0.000	0.000	OK
63.001	30 min Summer	23	PS737	PS699	0.100	0.149	0.709	0.087	Surcharged
66.000	15 min Summer	12	RE194A	PS801	0.050	0.000	0.000	0.000	OK
67.000	30 min Summer	22	ACO194B	PS801	0.070	0.145	0.619	0.046	OK
66.001	30 min Summer	22	PS801	PS699	0.100	0.169	1.002	0.077	Surcharged
68.000	30 min Summer	21	RWP194B	PS699	0.055	0.048	0.205	0.009	OK
63.002	15 min Winter	15	PS699	PS696	0.100	0.345	2.706	0.214	Surcharged
69.000	15 min Summer	0	RWP159C	RE159B	0.000	0.000	0.000	0.000	OK
69.001	15 min Summer	11	RE159B	PS772	0.018	0.000	0.000	0.000	OK
70.000	15 min Summer	11	RWP159D	PS772	0.018	0.000	0.000	0.000	OK
69.002	15 min Summer	12	PS772	PS696	0.068	0.116	0.613	0.031	OK
63.003	15 min Winter	15	PS696	PS697	0.100	0.506	3.977	0.464	Surcharged
57.003	15 min Winter	15	PS697	S30	0.150	0.427	7.550	0.382	Surcharged
1.014	15 min Winter	15	S30	S31	0.300	1.503	106.250	1.675	Surcharged
1.015	15 min Winter	14	S31	S32	0.300	1.562	110.442	1.724	Surcharged
1.016	15 min Winter	13	S32	S33	0.375	1.111	122.713	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	1073	PS704	PS703	0.050	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	1073	RE161B	PS703	0.050	0.000	0.000	0.000	OK
71.003	1440 min Summer	5491	PS703	PS702	0.100	0.017	0.074	0.013	Surcharged
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	1274	PS705	PS701	0.050	0.000	0.000	0.000	OK
76.000	1440 min Winter	1274	RWP160B	PS701	0.050	0.000	0.000	0.000	OK
74.002	1440 min Summer	4681	PS701	PS702	0.100	0.013	0.068	0.008	Surcharged
71.004	1440 min Summer	4314	PS702	S33	0.150	0.008	0.144	0.002	Surcharged
1.017	15 min Winter	10	S33	S34	0.375	1.639	181.061	1.700	Surcharged
77.000	30 min Summer	15	S101	S40	0.225	0.959	29.716	0.697	OK
77.001	15 min Winter	10	S40	S41	0.225	0.700	27.849	0.655	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	13	RWP176C	RE176	0.068	0.421	0.814	0.131	OK
78.001	15 min Summer	13	RE176	PS413	0.086	0.354	1.961	0.236	OK
78.002	15 min Winter	14	PS413	PS411	0.100	0.369	2.488	0.205	Surcharged
79.000	30 min Summer	21	GY176	PS410	0.150	0.097	1.411	0.054	Surcharged
80.000	15 min Summer	12	RWP176A	PS410	0.088	0.436	2.558	0.090	OK
79.001	15 min Winter	15	PS410	PS411	0.150	0.320	4.228	0.135	Surcharged
78.003	15 min Winter	15	PS411	S41	0.150	0.432	7.633	0.385	Surcharged
77.002	15 min Winter	7	S41	S42	0.225	1.137	45.205	1.320	OK
77.003	15 min Winter	13	S42	S43	0.225	1.362	54.145	1.633	OK
77.004	15 min Winter	9	S43	S44	0.375	1.082	100.643	0.898	Surcharged
81.000	360 min Winter	266	DF168	PS85	0.150	0.770	5.352	0.163	Surcharged
82.000	30 min Summer	21	RWP168C	PS85	0.100	0.154	0.953	0.043	Surcharged
81.001	30 min Summer	22	PS85	S44	0.150	0.327	5.782	0.180	Surcharged
77.005	15 min Winter	10	S44	S35	0.375	0.962	106.246	0.942	Surcharged
83.000	960 min Winter	2015	RWP168D	RE168	0.100	0.010	0.078	0.009	Surcharged
83.001	1440 min Winter	4084	RE168	PS773	0.100	0.015	0.114	0.017	Surcharged
84.000	960 min Winter	1473	ACO167	PS773	0.100	0.010	0.082	0.007	Surcharged
85.000	600 min Winter	1279	RWP168A	PS773	0.100	0.011	0.083	0.005	Surcharged
86.000	1440 min Winter	3839	RWP167C	PS773	0.100	0.010	0.080	0.004	Surcharged
83.002	30 min Summer	21	PS773	PS774	0.150	0.231	4.075	0.174	Surcharged
83.003	30 min Summer	21	PS774	S35	0.150	0.278	4.910	0.197	Surcharged
87.000	1440 min Summer	4437	ACO165B	RE165A	0.100	0.011	0.059	0.006	Surcharged
87.001	1440 min Summer	4440	RE165A	PS717	0.100	0.011	0.087	0.009	Surcharged
87.002	15 min Winter	15	PS717	PS718	0.100	0.248	1.482	0.159	Surcharged
88.000	1440 min Summer	3956	RE166A	PS719	0.100	0.013	0.087	0.006	Surcharged
89.000	1440 min Winter	4760	RWP167A	PS719	0.100	0.010	0.076	0.003	Surcharged
90.000	1440 min Summer	4458	ACO166	PS719	0.100	0.014	0.076	0.002	Surcharged
88.001	15 min Winter	15	PS719	PS718	0.150	0.123	1.832	0.070	Surcharged
87.003	15 min Winter	15	PS718	S35	0.150	0.276	4.879	0.204	Surcharged
77.006	15 min Winter	12	S35	S137	0.375	1.090	120.372	1.062	Surcharged
77.007	15 min Winter	12	S137	S34	0.375	1.116	123.283	1.043	Surcharged
91.000	15 min Summer	0	RWP161D	RE161A	0.000	0.000	0.000	0.000	OK
91.001	1440 min Summer	1444	RE161A	PS709	0.025	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	1440 min Summer	1444	RE162B	PS708	0.013	0.000	0.000	0.000	OK
93.000	1440 min Summer	1444	RE162A	PS708	0.013	0.000	0.000	0.000	OK
94.000	1440 min Summer	1444	RWP162E	PS708	0.013	0.000	0.000	0.000	OK
92.002	1440 min Summer	1622	PS708	PS709	0.038	0.038	0.054	0.007	OK
95.000	15 min Summer	0	RWP162A	PS709	0.000	0.000	0.000	0.000	OK
91.002	1440 min Summer	3448	PS709	PS710	0.075	0.013	0.071	0.005	OK
96.000	1440 min Summer	3352	ACO162A	PS710	0.063	0.012	0.054	0.002	OK
97.000	15 min Summer	10	RWP162B	PS710	0.050	0.000	0.000	0.000	OK
91.003	30 min Summer	22	PS710	S34	0.100	0.082	0.538	0.030	Surcharged
1.018	15 min Winter	11	S34	S36	0.375	2.646	292.292	2.618	Surcharged
1.019	15 min Winter	11	S36	S37	0.375	3.387	357.186	2.349	Surcharged
1.020	15 min Winter	11	S37	S38	0.375	0.018	1.768	0.013	Surcharged
1.021	720 min Summer	1401	S38	S39	0.225	0.040	1.592	0.042	OK

Permeable Paving Storage

Permeable Paving	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
Permeable Paving33	30 min Summer	21	5.687	0.086	4.245		OK
Permeable Paving31	30 min Summer	22	5.502	0.057	3.132		OK
Permeable Paving30	960 min Winter	928	5.457	0.143	0.034		OK
Permeable Paving62	960 min Winter	932	5.457	0.224	0.031		OK
Permeable Paving61	30 min Summer	20	5.085	0.091	4.198		OK
Permeable Paving60	30 min Summer	23	5.149	0.060	3.050		OK
Permeable Paving54	30 min Summer	22	5.058	0.073	2.972		OK
Permeable Paving86	30 min Summer	21	5.025	0.102	3.104		OK
Permeable Paving47	1440 min Summer	1445	4.926	0.208	0.094		OK