

Network Details

Manhole Schedule

Manhole	Catchment Area (ha)	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
RE218A	0.000	0.180	Type E	5.759	5.250	0.409	488707.745	97814.921
PS785	0.000	0.450	450	5.886	5.150	0.636	488699.542	97809.606
RWP219C	0.000	0.180	Type E	5.935	5.275	0.560	488691.450	97817.249
PS784	0.000	0.450	450	5.922	5.045	0.777	488691.968	97818.205
RWP218A	0.000	0.180	Type E	5.999	5.450	0.449	488697.192	97823.246
DF218	0.008	0.180	Type E	5.857	5.200	0.507	488695.958	97819.940
PS92	0.000	0.450	450	5.886	4.945	0.791	488694.419	97821.646
RE240B	0.000	0.180	Type E	5.985	5.425	0.460	488671.896	97835.619
RWP241B	0.000	0.180	Type E	6.000	5.450	0.450	488678.504	97841.162
PS797	0.000	0.250	250	5.982	5.300	0.582	488676.523	97840.106
RWP240A	0.000	0.180	Type E	6.000	5.450	0.450	488679.230	97827.598
RE240A	0.006	0.180	Type E	6.037	5.400	0.537	488679.603	97826.205
RWP241A	0.000	0.180	Type E	6.010	5.475	0.435	488685.599	97833.807
GY240	0.000	0.180	Type E	5.966	5.350	0.466	488684.308	97832.936
PS795	0.000	0.450	450	6.026	4.680	1.196	488685.023	97831.078
S8	0.115	1.350	Type C	5.866	4.366	1.200	488689.566	97827.534
RWP216B	0.000	0.180	Type E	5.700	5.150	0.450	488715.100	97824.604
RE216A	0.000	0.180	Type E	5.700	5.100	0.500	488715.778	97824.173
RWP214B	0.000	0.180	Type E	5.549	5.000	0.449	488727.105	97833.264
PS789	0.000	0.450	450	5.667	4.850	0.717	488723.308	97829.740
RWP215A	0.000	0.180	Type E	5.711	5.150	0.461	488716.178	97837.467
PS790	0.000	0.450	450	5.690	4.700	0.890	488716.598	97838.211
DF214	0.007	0.180	Type E	5.582	4.925	0.507	488720.591	97838.997
RWP214A	0.000	0.180	Type E	5.581	4.925	0.556	488720.667	97841.252
PS96	0.000	0.450	450	5.617	4.600	0.867	488718.358	97841.804
RWP245B	0.000	0.180	Type E	5.699	5.200	0.399	488709.092	97864.957
RE245	0.000	0.180	Type E	5.692	5.100	0.492	488707.833	97864.541
PS617	0.000	0.450	450	5.734	5.000	0.634	488703.266	97861.151
PS618	0.000	0.450	450	5.804	4.600	1.104	488710.990	97850.814
DF245	0.008	0.180	Type E	5.578	4.825	0.603	488719.103	97860.351
PS145	0.000	0.450	450	5.801	4.475	1.176	488715.261	97854.008
S9	0.040	1.350	Type C	5.576	4.076	1.200	488717.512	97850.571
RE259A	0.000	0.180	Type E	5.370	4.925	0.345	488769.874	97855.571
DF261	0.007	0.180	Type E	5.391	4.741	0.500	488766.501	97871.022
PS78	0.000	0.450	450	5.521	4.550	0.821	488760.845	97866.840
RE264A	0.000	0.180	Type E	5.894	5.300	0.494	488745.820	97889.380
DF263	0.007	0.180	Type E	5.592	4.925	0.517	488756.474	97884.887
PS75	0.000	0.450	Type E	5.740	4.650	0.940	488750.973	97880.830
PS76	0.000	0.450	Type E	5.694	4.200	1.344	488754.092	97876.438
S1	0.057	1.350	Type C	5.720	4.295	1.200	488729.547	97895.362
S2	0.111	1.350	Type C	5.354	3.854	1.200	488746.616	97871.438
RE261A	0.000	0.180	Type E	5.362	4.800	0.462	488771.456	97873.247
ACO259	0.000	0.180	Type E	5.345	4.795	0.450	488779.680	97863.026
PS547	0.000	0.450	450	5.347	4.600	0.647	488779.633	97861.594
DF258	0.007	0.180	Type E	5.258	4.575	0.533	488781.416	97858.381
PS80	0.000	0.450	Type E	5.275	3.925	1.200	488773.020	97852.022
RE258A	0.000	0.180	Type E	5.068	4.350	0.618	488788.129	97852.026
PS81	0.000	0.450	Type E	5.153	3.825	1.178	488777.708	97845.375
RE211B	0.000	0.180	Type E	4.950	4.375	0.475	488743.668	97826.458
ACO211	0.000	0.180	Type E	4.923	4.370	0.453	488751.132	97829.271
PS821	0.000	0.250	250	4.943	4.300	0.543	488749.500	97830.602
PS822	0.009	0.250	250	4.944	4.250	0.594	488749.563	97833.000
PS168	0.008	0.180	Type E	4.924	4.150	0.624	488756.517	97839.739
PS169	0.000	0.450	450	5.012	4.050	0.812	488759.384	97839.552
RWP210D	0.000	0.180	Type E	4.807	4.300	0.407	488763.345	97817.087
RE210A	0.000	0.180	Type E	4.840	4.250	0.490	488762.399	97816.237
RWP210F	0.000	0.180	Type E	4.801	4.300	0.401	488750.628	97818.837
RE210C	0.000	0.180	Type E	4.813	4.275	0.438	488750.648	97817.877
ACO210	0.000	0.180	Type E	4.770	4.220	0.450	488758.467	97820.324
PS819	0.000	0.250	250	4.789	4.130	0.559	488756.604	97821.992
PS815	0.000	0.450	450	4.811	4.000	0.711	488756.892	97824.140
RE210B	0.009	0.250	250	4.784	4.100	0.584	488772.267	97822.812
DF210	0.006	0.180	Type E	4.871	4.100	0.621	488765.679	97828.594
PS167	0.000	0.450	450	4.943	3.800	0.993	488767.973	97831.368

Manhole Schedule

Manhole	Catchment Area (ha)	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
RE256A	0.000	0.180	Type E	4.975	4.350	0.525	488799.373	97835.646
PS556	0.000	0.450	450	4.946	4.200	0.646	488789.136	97828.865
RE257A	0.000	0.180	Type E	4.944	4.400	0.444	488795.501	97841.231
ACO257	0.000	0.180	Type E	4.920	4.370	0.450	488794.057	97845.185
DF257	0.012	0.180	Type E	4.993	4.350	0.493	488791.266	97847.239
PS557	0.000	0.450	450	4.969	4.175	0.644	488792.063	97846.026
PS83	0.000	0.450	Type E	5.062	4.011	0.901	488782.064	97839.556
S134	0.000	1.350	Type C	4.743	3.357	1.086	488773.500	97833.748
S3	0.019	1.350	Type C	4.597	3.225	1.072	488779.847	97824.849
RE205B	0.000	0.180	Type E	5.388	4.835	0.453	488682.966	97773.165
ACO205	0.000	0.180	Type E	5.370	4.820	0.450	488688.976	97768.674
PS805	0.000	0.250	250	5.380	4.750	0.530	488688.030	97768.332
RWP205C	0.000	0.180	Type E	5.399	4.850	0.449	488691.912	97769.223
RE205A	0.000	0.180	Type E	5.388	4.800	0.488	488691.401	97769.649
RWP205G	0.004	0.180	Type E	5.396	4.800	0.496	488683.595	97763.737
PS644	0.000	0.450	450	5.415	4.700	0.615	488687.866	97765.678
RWP204B	0.005	0.180	Type E	5.561	4.800	0.661	488691.053	97753.328
DF205	0.008	0.180	Type E	5.375	4.700	0.525	488690.995	97757.698
PS133	0.000	0.450	450	5.561	4.520	0.891	488697.176	97757.076
S10	0.057	1.350	Type C	5.300	3.525	1.475	488703.073	97754.538
RWP207A	0.000	0.180	Type E	5.172	4.600	0.472	488718.208	97797.868
RE207A	0.000	0.180	Type E	5.133	4.550	0.483	488717.494	97798.953
RE207C	0.000	0.180	Type E	5.163	4.625	0.438	488704.367	97797.550
ACO207	0.000	0.180	Type E	5.145	4.595	0.450	488710.660	97793.144
PS809	0.000	0.250	250	5.154	4.500	0.554	488709.713	97792.803
RWP207C	0.004	0.180	Type E	5.166	4.600	0.466	488704.947	97788.317
PS635	0.000	0.450	450	5.193	4.400	0.693	488709.492	97790.455
RE207B	0.000	0.180	Type E	5.203	4.600	0.503	488725.315	97790.569
DF207	0.008	0.180	Type E	5.143	4.475	0.518	488712.810	97781.438
RWP206B	0.000	0.180	Type E	5.196	4.650	0.446	488712.428	97780.201
PS137	0.000	0.450	450	5.288	4.225	0.913	488715.122	97779.302
RE206C	0.004	0.180	Type E	5.285	4.750	0.435	488693.044	97785.923
ACO206	0.000	0.180	Type E	5.295	4.745	0.450	488699.168	97781.524
PS807	0.000	0.250	250	5.304	4.650	0.554	488698.222	97781.182
RWP206E	0.000	0.180	Type E	5.314	4.750	0.464	488693.738	97776.427
RE206A	0.000	0.250	250	5.332	4.700	0.532	488694.469	97774.707
RWP206C	0.000	0.180	Type E	5.324	4.700	0.524	488702.098	97782.092
RE206B	0.000	0.180	Type E	5.315	4.650	0.565	488701.482	97782.256
PS639	0.000	0.450	450	5.343	4.600	0.643	488698.345	97778.609
DF206	0.008	0.180	Type E	5.310	4.650	0.510	488701.228	97769.879
RWP205A	0.000	0.180	Type E	5.414	4.800	0.514	488702.220	97767.349
PS135	0.000	0.450	450	5.432	4.425	0.857	488706.782	97770.443
S11	0.065	1.350	Type C	5.092	3.425	1.367	488718.222	97772.415
RE208B	0.000	0.180	Type E	5.123	4.625	0.398	488719.401	97799.212
PS813	0.000	0.250	250	5.170	4.515	0.555	488726.036	97791.250
RWP208A	0.000	0.180	Type E	5.099	4.500	0.499	488723.295	97812.941
RE208A	0.004	0.250	250	5.093	4.450	0.543	488722.748	97812.598
RWP208C	0.000	0.180	Type E	5.100	4.550	0.450	488724.844	97803.895
ACO208	0.000	0.180	Type E	5.070	4.520	0.450	488725.665	97806.759
PS630	0.000	0.250	250	5.089	4.435	0.554	488726.653	97806.951
RWP208B	0.000	0.180	Type E	5.098	4.550	0.448	488727.227	97807.876
RWP208I	0.000	0.180	Type E	5.098	4.550	0.448	488728.335	97806.074
PS631	0.000	0.450	450	5.072	4.200	0.772	488729.176	97806.809
DF208	0.008	0.180	Type E	4.972	4.300	0.522	488736.410	97803.963
RWP209B	0.000	0.180	Type E	4.970	4.400	0.470	488738.775	97803.128
PS139	0.000	0.450	450	5.069	3.800	1.119	488739.186	97800.227
RE209B	0.000	0.180	Type E	4.952	4.425	0.427	488735.336	97822.394
RWP209D	0.000	0.180	Type E	4.949	4.450	0.399	488736.478	97812.451
ACO209	0.000	0.180	Type E	4.921	4.370	0.451	488739.356	97816.840
RWP209C	0.000	0.180	Type E	4.949	4.400	0.449	488740.537	97818.371
PS208	0.000	0.450	450	4.946	4.245	0.601	488741.402	97816.923
DF209	0.008	0.180	Type E	4.867	4.200	0.517	488751.750	97811.517
RWP209A	0.000	0.180	Type E	4.961	4.400	0.461	488746.395	97808.990
PS141	0.000	0.450	Type E	4.940	4.025	0.765	488747.887	97808.482
S12	0.021	1.350	Type C	4.738	3.290	1.148	488752.013	97801.936
S13	0.000	1.350	Type C	4.524	3.200	1.024	488772.505	97814.991
S4	0.000	1.350	Type C	4.518	3.175	1.043	488778.529	97813.267
S5	0.087	0.000	Unknown	4.350	3.150	0.900	488777.835	97807.142

Manhole Schedule

Manhole	Catchment Area (ha)	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
S6	0.000	0.000	Unknown	4.350	3.000	1.050	488742.861	97778.469
S99	0.000	1.350	Type C	4.350	2.975	1.150	488745.701	97774.044
S7	0.000	0.000	Type C	4.190	2.950	1.015	488747.718	97770.874

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	RE218A	5.250	PS785	5.150	Circ	0.1mØ	9.774	97.7	0.600	0.409	0.636
1.001	PS785	5.150	PS784	5.045	Circ	0.1mØ	11.459	109.1	0.600	0.636	0.777
2.000	RWP219C	5.275	PS784	5.045	Circ	0.1mØ	1.087	4.7	0.600	0.560	0.777
1.002	PS784	5.045	PS92	4.995	Circ	0.1mØ	4.225	84.5	0.600	0.777	0.791
3.000	RWP218A	5.450	PS92	4.995	Circ	0.1mØ	3.202	7.0	0.600	0.449	0.791
4.000	DF218	5.200	PS92	4.945	Circ	0.15mØ	2.297	9.0	0.600	0.507	0.791
1.003	PS92	4.945	S8	4.516	Circ	0.15mØ	7.630	17.8	0.600	0.791	1.200
5.000	RE240B	5.425	PS797	5.300	Circ	0.1mØ	6.445	51.6	0.600	0.460	0.582
6.000	RWP241B	5.450	PS797	5.300	Circ	0.1mØ	2.245	15.0	0.600	0.450	0.582
5.001	PS797	5.300	PS795	4.730	Circ	0.1mØ	12.399	21.8	0.600	0.582	1.196
7.000	RWP240A	5.450	RE240A	5.400	Circ	0.1mØ	1.443	28.9	0.600	0.450	0.537
7.001	RE240A	5.400	PS795	5.230	Circ	0.1mØ	7.289	42.9	0.600	0.537	0.696
8.000	RWP241A	5.475	PS795	5.230	Circ	0.1mØ	2.789	11.4	0.600	0.435	0.696
9.000	GY240	5.350	PS795	4.680	Circ	0.15mØ	1.990	3.0	0.600	0.466	1.196
5.002	PS795	4.680	S8	4.516	Circ	0.15mØ	5.763	35.0	0.600	1.196	1.200
1.004	S8	4.366	S9	4.076	Circ	0.3mØ	36.217	125.1	0.600	1.200	1.200
10.000	RWP216B	5.150	RE216A	5.100	Circ	0.1mØ	0.803	16.1	0.600	0.450	0.500
10.001	RE216A	5.100	PS789	4.850	Circ	0.1mØ	9.364	37.5	0.600	0.500	0.717
11.000	RWP214B	5.000	PS789	4.850	Circ	0.1mØ	5.180	34.5	0.600	0.449	0.717
10.002	PS789	4.850	PS790	4.700	Circ	0.1mØ	10.807	72.0	0.600	0.717	0.890
12.000	RWP215A	5.150	PS790	4.700	Circ	0.1mØ	0.854	1.9	0.600	0.461	0.890
10.003	PS790	4.700	PS96	4.650	Circ	0.1mØ	4.001	80.0	0.600	0.890	0.867
13.000	DF214	4.925	PS96	4.600	Circ	0.15mØ	3.586	11.0	0.600	0.507	0.867
14.000	RWP214A	4.925	PS96	4.650	Circ	0.1mØ	2.373	8.6	0.600	0.556	0.867
10.004	PS96	4.600	S9	4.226	Circ	0.15mØ	8.808	23.5	0.600	0.867	1.200
15.000	RWP245B	5.200	RE245	5.100	Circ	0.1mØ	1.325	13.3	0.600	0.399	0.492
15.001	RE245	5.100	PS617	5.000	Circ	0.1mØ	5.688	56.9	0.600	0.492	0.634
15.002	PS617	5.000	PS618	4.600	Circ	0.1mØ	12.904	32.3	0.600	0.634	1.104
15.003	PS618	4.600	PS145	4.525	Circ	0.1mØ	5.333	71.1	0.600	1.104	1.176
16.000	DF245	4.825	PS145	4.475	Circ	0.15mØ	7.416	21.2	0.600	0.603	1.176
15.004	PS145	4.475	S9	4.226	Circ	0.15mØ	4.109	16.5	0.600	1.176	1.200
1.005	S9	4.076	S2	3.854	Circ	0.3mØ	35.811	161.1	0.600	1.200	1.200
17.000	RE259A	4.925	PS78	4.600	Circ	0.1mØ	14.440	44.4	0.600	0.345	0.821
18.000	DF261	4.741	PS78	4.550	Circ	0.15mØ	7.034	36.8	0.600	0.500	0.821
17.001	PS78	4.550	PS76	4.200	Circ	0.15mØ	11.735	33.5	0.600	0.821	1.344
19.000	RE264A	5.300	PS75	4.700	Circ	0.1mØ	9.983	16.6	0.600	0.494	0.940
20.000	DF263	4.925	PS75	4.650	Circ	0.15mØ	6.835	24.9	0.600	0.517	0.940
19.001	PS75	4.650	PS76	4.200	Circ	0.15mØ	5.387	12.0	0.600	0.940	1.344
17.002	PS76	4.200	S2	4.004	Circ	0.15mØ	8.994	45.8	0.600	1.344	1.200
21.000	S1	4.295	S2	3.929	Circ	0.225mØ	29.389	80.1	0.600	1.200	1.200
1.006	S2	3.854	S134	3.357	Circ	0.3mØ	46.296	93.2	0.600	1.200	1.086
22.000	RE261A	4.800	PS547	4.600	Circ	0.1mØ	14.237	71.2	0.600	0.462	0.647
23.000	ACO259	4.795	PS547	4.600	Circ	0.1mØ	1.433	7.4	0.600	0.450	0.647
22.001	PS547	4.600	PS80	3.975	Circ	0.1mØ	11.634	18.6	0.600	0.647	1.200
24.000	DF258	4.575	PS80	3.925	Circ	0.15mØ	10.533	16.2	0.600	0.533	1.200
22.002	PS80	3.925	PS81	3.825	Circ	0.15mØ	8.135	81.3	0.600	1.200	1.178
25.000	RE258A	4.350	PS81	3.875	Circ	0.1mØ	12.363	26.0	0.600	0.618	1.178
22.003	PS81	3.825	S134	3.507	Circ	0.15mØ	12.365	38.9	0.600	1.178	1.086
26.000	RE211B	4.375	PS821	4.300	Circ	0.1mØ	7.154	95.4	0.600	0.475	0.543
27.000	ACO211	4.370	PS821	4.300	Circ	0.1mØ	2.106	30.1	0.600	0.453	0.543
26.001	PS821	4.300	PS822	4.250	Circ	0.1mØ	2.399	48.0	0.600	0.543	0.594
26.002	PS822	4.250	PS169	4.100	Circ	0.1mØ	11.807	78.7	0.600	0.594	0.812
28.000	PS168	4.150	PS169	4.050	Circ	0.15mØ	2.874	28.7	0.600	0.624	0.812
26.003	PS169	4.050	PS167	3.800	Circ	0.15mØ	11.864	47.5	0.600	0.812	0.993
29.000	RWP210D	4.300	RE210A	4.250	Circ	0.1mØ	1.272	25.4	0.600	0.407	0.490
29.001	RE210A	4.250	PS815	4.000	Circ	0.1mØ	9.633	38.5	0.600	0.490	0.711
30.000	RWP210F	4.300	RE210C	4.275	Circ	0.1mØ	0.961	38.4	0.600	0.401	0.438
30.001	RE210C	4.275	PS819	4.130	Circ	0.1mØ	7.240	49.9	0.600	0.438	0.559

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)
31.000	ACO210	4.220	PS819	4.130	Circ	0.1mØ	2.501	27.8	0.600	0.450	0.559
30.002	PS819	4.130	PS815	4.000	Circ	0.1mØ	2.167	16.7	0.600	0.559	0.711
29.002	PS815	4.000	PS167	3.850	Circ	0.1mØ	13.230	88.2	0.600	0.711	0.993
32.000	RE210B	4.100	PS167	3.850	Circ	0.1mØ	9.572	38.3	0.600	0.584	0.993
33.000	DF210	4.100	PS167	3.800	Circ	0.15mØ	3.600	12.0	0.600	0.621	0.993
26.004	PS167	3.800	S134	3.507	Circ	0.15mØ	6.017	20.5	0.600	0.993	1.086
34.000	RE256A	4.350	PS556	4.200	Circ	0.1mØ	12.279	81.9	0.600	0.525	0.646
34.001	PS556	4.200	PS83	4.061	Circ	0.1mØ	12.818	92.2	0.600	0.646	0.901
35.000	RE257A	4.400	PS557	4.225	Circ	0.1mØ	5.901	33.7	0.600	0.444	0.644
36.000	ACO257	4.370	PS557	4.225	Circ	0.1mØ	2.164	14.9	0.600	0.450	0.644
37.000	DF257	4.350	PS557	4.175	Circ	0.15mØ	1.452	8.3	0.600	0.493	0.644
35.001	PS557	4.175	PS83	4.011	Circ	0.15mØ	11.910	72.6	0.600	0.644	0.901
34.002	PS83	4.011	S134	3.507	Circ	0.15mØ	10.348	20.5	0.600	0.901	1.086
1.007	S134	3.357	S3	3.225	Circ	0.3mØ	10.930	82.8	0.600	1.086	1.072
1.008	S3	3.225	S4	3.175	Circ	0.3mØ	11.657	233.1	0.600	1.072	1.043
38.000	RE205B	4.835	PS805	4.750	Circ	0.1mØ	6.999	82.3	0.600	0.453	0.530
39.000	ACO205	4.820	PS805	4.750	Circ	0.1mØ	1.006	14.4	0.600	0.450	0.530
38.001	PS805	4.750	PS644	4.700	Circ	0.1mØ	2.659	53.2	0.600	0.530	0.615
40.000	RWP205C	4.850	RE205A	4.800	Circ	0.1mØ	0.666	13.3	0.600	0.449	0.488
40.001	RE205A	4.800	PS644	4.700	Circ	0.1mØ	5.316	53.2	0.600	0.488	0.615
41.000	RWP205G	4.800	PS644	4.700	Circ	0.1mØ	4.692	46.9	0.600	0.496	0.615
38.002	PS644	4.700	PS133	4.570	Circ	0.1mØ	12.676	97.5	0.600	0.615	0.891
42.000	RWP204B	4.800	PS133	4.570	Circ	0.1mØ	7.178	31.2	0.600	0.661	0.891
43.000	DF205	4.700	PS133	4.520	Circ	0.15mØ	6.212	34.5	0.600	0.525	0.891
38.003	PS133	4.520	S10	4.425	Circ	0.15mØ	6.420	67.6	0.600	0.891	0.725
38.004	S10	3.525	S11	3.425	Circ	0.3mØ	23.432	234.3	0.600	1.475	1.367
44.000	RWP207A	4.600	RE207A	4.550	Circ	0.1mØ	1.298	26.0	0.600	0.472	0.483
44.001	RE207A	4.550	PS635	4.400	Circ	0.1mØ	11.672	77.8	0.600	0.483	0.693
45.000	RE207C	4.625	PS809	4.500	Circ	0.1mØ	7.149	57.2	0.600	0.438	0.554
46.000	ACO207	4.595	PS809	4.500	Circ	0.1mØ	1.006	10.6	0.600	0.450	0.554
45.001	PS809	4.500	PS635	4.400	Circ	0.1mØ	2.359	23.6	0.600	0.554	0.693
47.000	RWP207C	4.600	PS635	4.400	Circ	0.1mØ	5.023	25.1	0.600	0.466	0.693
44.002	PS635	4.400	PS137	4.275	Circ	0.1mØ	12.492	99.9	0.600	0.693	0.913
48.000	RE207B	4.600	PS137	4.275	Circ	0.1mØ	15.193	46.7	0.600	0.503	0.913
49.000	DF207	4.475	PS137	4.225	Circ	0.15mØ	3.147	12.6	0.600	0.518	0.913
50.000	RWP206B	4.650	PS137	4.275	Circ	0.1mØ	2.839	7.6	0.600	0.446	0.913
44.003	PS137	4.225	S11	4.125	Circ	0.15mØ	7.553	75.5	0.600	0.913	0.817
51.000	RE206C	4.750	PS807	4.650	Circ	0.1mØ	7.021	70.2	0.600	0.435	0.554
52.000	ACO206	4.745	PS807	4.650	Circ	0.1mØ	1.006	10.6	0.600	0.450	0.554
51.001	PS807	4.650	PS639	4.600	Circ	0.1mØ	2.576	51.5	0.600	0.554	0.643
53.000	RWP206E	4.750	RE206A	4.715	Circ	0.1mØ	1.869	54.1	0.600	0.464	0.517
53.001	RE206A	4.700	PS639	4.600	Circ	0.1mØ	5.500	55.0	0.600	0.532	0.643
54.000	RWP206C	4.700	RE206B	4.650	Circ	0.1mØ	0.638	12.8	0.600	0.524	0.565
54.001	RE206B	4.650	PS639	4.600	Circ	0.1mØ	4.810	96.2	0.600	0.565	0.643
51.002	PS639	4.600	PS135	4.475	Circ	0.1mØ	11.742	93.9	0.600	0.643	0.857
55.000	DF206	4.650	PS135	4.425	Circ	0.15mØ	5.582	24.8	0.600	0.510	0.857
56.000	RWP205A	4.800	PS135	4.475	Circ	0.1mØ	5.512	17.0	0.600	0.514	0.857
51.003	PS135	4.425	S11	4.125	Circ	0.15mØ	11.609	38.7	0.600	0.857	0.817
38.005	S11	3.425	S12	3.290	Circ	0.3mØ	44.870	332.4	0.600	1.367	1.148
57.000	RE208B	4.625	PS813	4.515	Circ	0.1mØ	10.364	94.2	0.600	0.398	0.555
57.001	PS813	4.515	PS139	3.850	Circ	0.1mØ	15.921	23.9	0.600	0.555	1.119
58.000	RWP208A	4.500	RE208A	4.450	Circ	0.1mØ	0.646	12.9	0.600	0.499	0.543
58.001	RE208A	4.450	PS630	4.435	Circ	0.1mØ	6.865	457.7	0.600	0.543	0.554
59.000	RWP208C	4.550	PS630	4.435	Circ	0.1mØ	3.551	30.9	0.600	0.450	0.554
60.000	ACO208	4.520	PS630	4.435	Circ	0.1mØ	1.006	11.8	0.600	0.450	0.554
58.002	PS630	4.435	PS631	4.200	Circ	0.1mØ	2.527	10.8	0.600	0.554	0.772
61.000	RWP208B	4.550	PS631	4.200	Circ	0.1mØ	2.221	6.3	0.600	0.448	0.772
62.000	RWP208I	4.550	PS631	4.200	Circ	0.1mØ	1.116	3.2	0.600	0.448	0.772
58.003	PS631	4.200	PS139	3.850	Circ	0.1mØ	11.981	34.2	0.600	0.772	1.119
63.000	DF208	4.300	PS139	3.800	Circ	0.15mØ	4.655	9.3	0.600	0.522	1.119
64.000	RWP209B	4.400	PS139	3.850	Circ	0.1mØ	2.930	5.3	0.600	0.470	1.119
57.002	PS139	3.800	S12	3.650	Circ	0.15mØ	12.941	86.3	0.600	1.119	0.938
65.000	RE209B	4.425	PS208	4.245	Circ	0.1mØ	8.169	45.4	0.600	0.427	0.601
66.000	RWP209D	4.450	PS208	4.245	Circ	0.1mØ	6.652	32.4	0.600	0.399	0.601
67.000	ACO209	4.370	PS208	4.245	Circ	0.1mØ	2.047	16.4	0.600	0.451	0.601
68.000	RWP209C	4.400	PS208	4.245	Circ	0.1mØ	1.687	10.9	0.600	0.449	0.601
65.001	PS208	4.245	PS141	4.075	Circ	0.1mØ	10.644	62.6	0.600	0.601	0.765
69.000	DF209	4.200	PS141	4.025	Circ	0.15mØ	4.913	28.1	0.600	0.517	0.765

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)
70.000	RWP209A	4.400	PS141	4.075	Circ	0.1mØ	1.576	4.8	0.600	0.461	0.765
65.002	PS141	4.025	S12	3.940	Circ	0.15mØ	7.738	91.0	0.600	0.765	0.648
38.006	S12	3.290	S13	3.200	Circ	0.3mØ	24.297	270.0	0.600	1.148	1.024
38.007	S13	3.200	S4	3.175	Circ	0.3mØ	6.266	250.6	0.600	1.024	1.043
1.009	S4	3.175	S5	3.150	Circ	0.3mØ	6.164	246.6	0.600	1.043	0.900
1.010	S5	3.150	S6	3.000	Circ	0.6mØ	45.225	301.5	0.600	0.600	0.750
1.011	S6	3.000	S99	2.975	Circ	0.3mØ	5.258	210.3	0.600	1.050	1.075
1.012	S99	2.975	S7	2.950	Circ	0.225mØ	3.757	150.3	0.600	1.150	1.015

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 Paving50	DF218	8.235	5.857	5.377	0.00000000	2.00	488693.579	97819.502
Permeable Paving52	DF214	7.716	5.582	5.102	0.00000000	2.00	488720.293	97836.943
Permeable Paving69	DF245	7.902	5.578	5.098	0.00000000	2.00	488717.698	97858.510
Permeable Paving44	DF261	7.030	5.391	4.911	0.00000000	2.00	488762.739	97870.942
Permeable Paving43	DF263	7.007	5.592	5.112	0.00000000	2.00	488753.203	97884.583
Permeable Paving45	DF258	7.152	5.258	4.778	0.00000000	2.00	488776.486	97856.874
Permeable Paving85	PS168	8.093	4.924	4.344	0.00000000	2.00	488759.063	97838.686
Permeable Paving78	DF210	6.334	4.871	4.391	0.00000000	2.00	488766.189	97829.557
Permeable Paving46	DF257	13.106	4.993	4.513	0.00000000	2.00	488783.253	97844.578
Permeable Paving63	DF205	8.154	5.375	4.895	0.00000000	2.00	488690.827	97760.752
Permeable Paving84	DF207	10.651	5.143	4.563	0.00000000	2.00	488708.878	97788.410
Permeable Paving83	DF206	10.687	5.310	4.730	0.00000000	2.00	488697.570	97776.605
Permeable Paving82	DF208	10.504	4.972	4.392	0.00000000	2.00	488731.471	97807.301
Permeable Paving81	DF209	10.654	4.867	4.287	0.00000000	2.00	488749.713	97811.331

Outfall Details

Outfall Manhole S7 : Surcharged (Constant Level)

Surcharged Constant

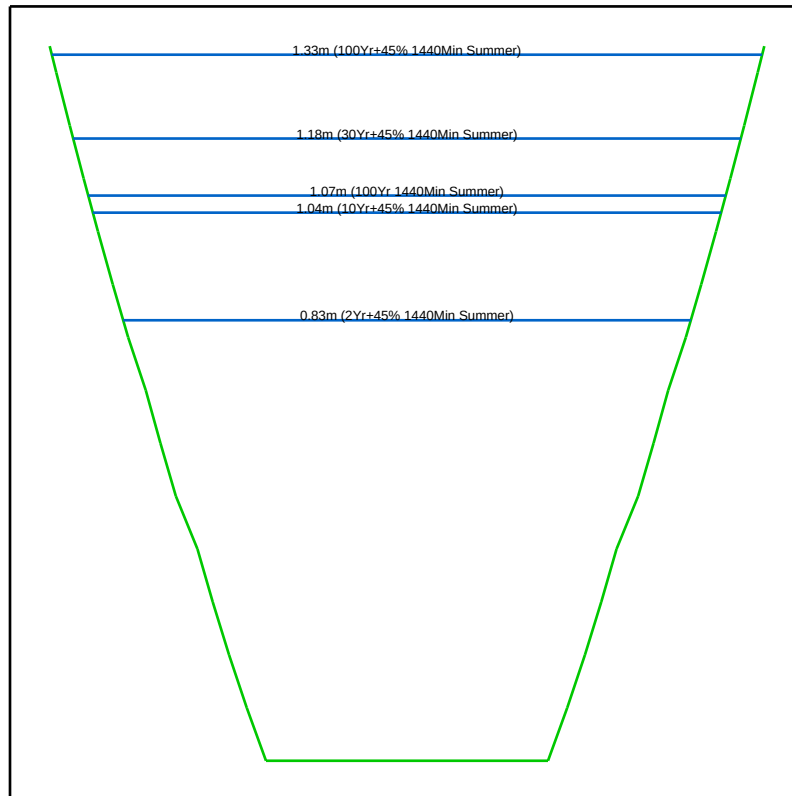
Water Elevation (m)	Water Depth (m)
3.500	0.550

Flow Control Details

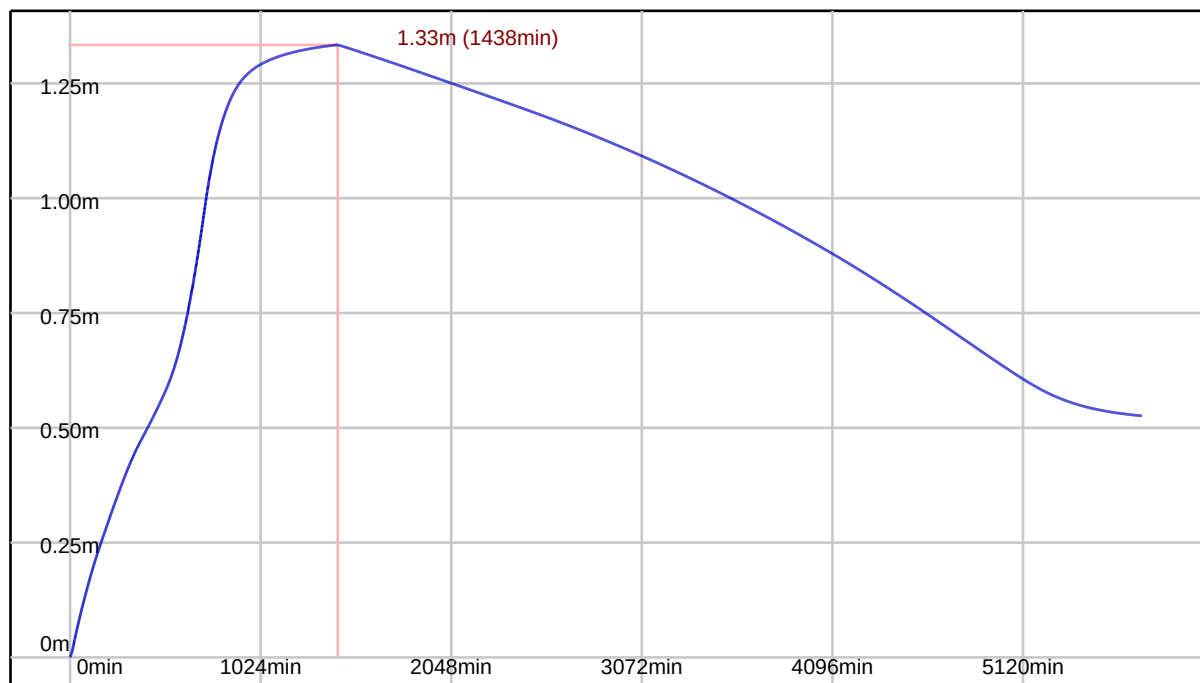
Pond Structure at Manhole S6

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
3.000	1.350	567.148	4.200	0.150	0.00000000	0.00000000	2.00

Pond Depth/Area Diagram at S6



Pond at S6 (100Yr+45% 1440Min Summer)

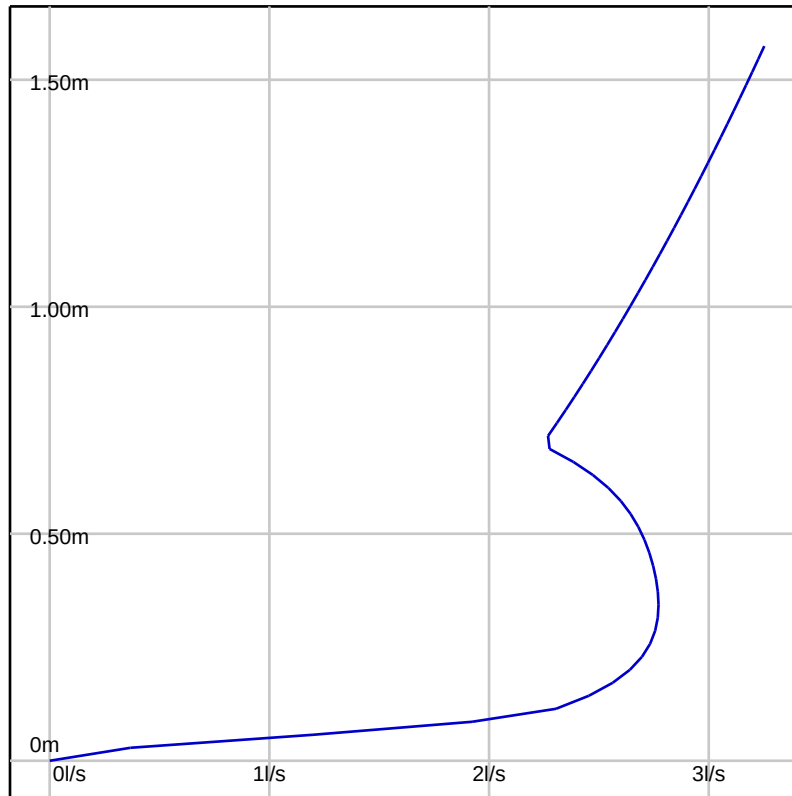


Controls within Manhole S99

Hydro-Brake® Optimum Control at Manhole S99

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-0078-3000-1325-3000	1.325	3.000	0.000	0.343	2.771	0.694	2.238

Hydro-Brake® Optimum Control at S99



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	0.19	30Yr+45% 360Min Summer	12.224	0.00	0.65
2Yr+45% 15Min Summer	47.734	0.00	0.19	30Yr+45% 360Min Winter	12.224	0.00	0.63
2Yr+45% 30Min Winter	31.030	0.00	0.21	30Yr+45% 480Min Summer	9.702	0.00	0.83
2Yr+45% 30Min Summer	31.030	0.00	0.20	30Yr+45% 480Min Winter	9.702	0.00	0.79
2Yr+45% 60Min Summer	19.285	0.00	0.21	30Yr+45% 600Min Summer	8.089	0.00	0.51
2Yr+45% 60Min Winter	19.285	0.00	0.20	30Yr+45% 600Min Winter	8.089	0.00	0.48
2Yr+45% 120Min Winter	12.930	0.00	0.16	30Yr+45% 720Min Summer	6.961	0.00	0.26
2Yr+45% 120Min Summer	12.930	0.00	0.16	30Yr+45% 720Min Winter	6.961	0.00	0.24
2Yr+45% 180Min Summer	10.105	0.00	0.14	30Yr+45% 960Min Summer	5.492	0.00	0.07
2Yr+45% 180Min Winter	10.105	0.00	0.14	30Yr+45% 960Min Winter	5.492	0.00	0.06
2Yr+45% 240Min Winter	8.254	0.00	0.13	30Yr+45% 1440Min Summer	3.953	0.00	0.04
2Yr+45% 240Min Summer	8.254	0.00	0.13	30Yr+45% 1440Min Winter	3.953	0.00	0.04
2Yr+45% 360Min Summer	6.188	0.00	0.12	100Yr 15Min Summer	100.880	0.00	-0.05
2Yr+45% 360Min Winter	6.188	0.00	0.12	100Yr 15Min Winter	100.880	0.00	-0.02
2Yr+45% 480Min Summer	5.020	0.00	0.11	100Yr 30Min Summer	66.884	0.00	-0.04
2Yr+45% 480Min Winter	5.020	0.00	0.11	100Yr 30Min Winter	66.884	0.00	0.00
2Yr+45% 600Min Summer	4.237	0.00	0.10	100Yr 60Min Summer	42.434	0.00	-0.02
2Yr+45% 600Min Winter	4.237	0.00	0.10	100Yr 60Min Winter	42.434	0.00	0.04
2Yr+45% 720Min Winter	3.677	0.00	0.09	100Yr 120Min Summer	24.790	0.00	0.07
2Yr+45% 720Min Summer	3.677	0.00	0.08	100Yr 120Min Winter	24.790	0.00	0.10
2Yr+45% 960Min Summer	2.945	0.00	0.07	100Yr 180Min Summer	17.968	0.00	0.11
2Yr+45% 960Min Winter	2.945	0.00	0.07	100Yr 180Min Winter	17.968	0.00	0.12
2Yr+45% 1440Min Summer	2.154	0.00	0.07	100Yr 240Min Summer	14.430	0.00	0.14
2Yr+45% 1440Min Winter	2.154	0.00	0.07	100Yr 240Min Winter	14.430	0.00	0.15
10Yr+45% 15Min Summer	90.144	0.00	0.00	100Yr 360Min Summer	10.466	0.00	0.25
10Yr+45% 15Min Winter	90.144	0.00	0.02	100Yr 360Min Winter	10.466	0.00	0.24
10Yr+45% 30Min Summer	58.702	0.00	0.01	100Yr 480Min Summer	8.295	0.00	0.34
10Yr+45% 30Min Winter	58.702	0.00	0.06	100Yr 480Min Winter	8.295	0.00	0.32
10Yr+45% 60Min Summer	36.665	0.00	0.04	100Yr 600Min Summer	6.919	0.00	0.14
10Yr+45% 60Min Winter	36.665	0.00	0.09	100Yr 600Min Winter	6.919	0.00	0.14
10Yr+45% 120Min Summer	22.521	0.00	0.09	100Yr 720Min Summer	5.959	0.00	0.08
10Yr+45% 120Min Winter	22.521	0.00	0.10	100Yr 720Min Winter	5.959	0.00	0.08
10Yr+45% 180Min Summer	16.756	0.00	0.11	100Yr 960Min Summer	4.708	0.00	0.05
10Yr+45% 180Min Winter	16.756	0.00	0.11	100Yr 960Min Winter	4.708	0.00	0.05
10Yr+45% 240Min Summer	13.465	0.00	0.12	100Yr 1440Min Summer	3.395	0.00	0.04
10Yr+45% 240Min Winter	13.465	0.00	0.12	100Yr 1440Min Winter	3.395	0.00	0.04
10Yr+45% 360Min Summer	9.827	0.00	0.16	100Yr+45% 15Min Summer	146.276	0.00	-0.14
10Yr+45% 360Min Winter	9.827	0.00	0.16	100Yr+45% 15Min Winter	146.276	0.00	-0.12
10Yr+45% 480Min Winter	7.833	0.00	0.21	100Yr+45% 30Min Summer	96.982	0.00	-0.11
10Yr+45% 480Min Summer	7.833	0.00	0.23	100Yr+45% 30Min Winter	96.982	0.00	-0.11
10Yr+45% 600Min Summer	6.549	0.00	0.11	100Yr+45% 60Min Summer	61.530	0.00	0.07
10Yr+45% 600Min Winter	6.549	0.00	0.11	100Yr+45% 60Min Winter	61.530	0.00	0.07
10Yr+45% 720Min Summer	5.645	0.00	0.07	100Yr+45% 120Min Summer	35.946	0.00	0.55
10Yr+45% 720Min Winter	5.645	0.00	0.07	100Yr+45% 120Min Winter	35.946	0.00	0.55
10Yr+45% 960Min Summer	4.467	0.00	0.06	100Yr+45% 180Min Summer	26.053	0.00	0.89
10Yr+45% 960Min Winter	4.467	0.00	0.06	100Yr+45% 180Min Winter	26.053	0.00	0.90
10Yr+45% 1440Min Summer	3.223	0.00	0.05	100Yr+45% 240Min Summer	20.923	0.00	1.15
10Yr+45% 1440Min Winter	3.223	0.00	0.05	100Yr+45% 240Min Winter	20.923	0.00	1.16
30Yr+45% 15Min Summer	116.894	0.00	-0.11	100Yr+45% 360Min Summer	15.176	0.00	1.43
30Yr+45% 15Min Winter	116.894	0.00	-0.08	100Yr+45% 360Min Winter	15.176	0.00	1.41
30Yr+45% 30Min Summer	76.716	0.00	-0.08	100Yr+45% 480Min Summer	12.028	0.00	1.56
30Yr+45% 30Min Winter	76.716	0.00	-0.06	100Yr+45% 480Min Winter	12.028	0.00	1.54
30Yr+45% 60Min Summer	48.209	0.00	-0.05	100Yr+45% 600Min Summer	10.033	0.00	1.33
30Yr+45% 60Min Winter	48.209	0.00	-0.02	100Yr+45% 600Min Winter	10.033	0.00	1.30
30Yr+45% 120Min Summer	28.721	0.00	0.07	100Yr+45% 720Min Summer	8.641	0.00	1.08

Simulated Rainfall Events

Storm	Average Intensity (mm/hr)	Runoff Continuity %	Flow Continuity %	Storm	Average Intensity (mm/hr)	Runoff Continuity %	Flow Continuity %
30Yr+45% 120Min Winter	28.721	0.00	0.12	100Yr+45% 720Min Winter	8.641	0.00	1.05
30Yr+45% 180Min Summer	21.032	0.00	0.26	100Yr+45% 960Min Summer	6.827	0.00	0.54
30Yr+45% 180Min Winter	21.032	0.00	0.27	100Yr+45% 960Min Winter	6.827	0.00	0.50
30Yr+45% 240Min Summer	16.846	0.00	0.42	100Yr+45% 1440Min Winter	4.922	0.00	0.04
30Yr+45% 240Min Winter	16.846	0.00	0.42	100Yr+45% 1440Min Summer	4.922	0.00	0.04

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
RE218A	-	0	5.250	0.000	0.000		OK
PS785	-	0	5.150	0.000	0.000		OK
RWP219C	-	0	5.275	0.000	0.000		OK
PS784	-	0	5.045	0.000	0.000		OK
RWP218A	-	0	5.450	0.000	0.000		OK
DF218	120 min Summer	68	5.212	0.012	0.750		OK
PS92	120 min Summer	68	4.959	0.014	0.750		OK
RE240B	-	0	5.425	0.000	0.000		OK
RWP241B	-	0	5.450	0.000	0.000		OK
PS797	-	0	5.300	0.000	0.000		OK
RWP240A	-	0	5.450	0.000	0.000		OK
RE240A	15 min Summer	8	5.430	0.030	1.832		OK
RWP241A	-	0	5.475	0.000	0.000		OK
GY240	-	0	5.350	0.000	0.000		OK
PS795	15 min Summer	8	4.705	0.025	1.819		OK
S8	15 min Summer	8	4.485	0.119	34.233		OK
RWP216B	-	0	5.150	0.000	0.000		OK
RE216A	-	0	5.100	0.000	0.000		OK
RWP214B	-	0	5.000	0.000	0.000		OK
PS789	-	0	4.850	0.000	0.000		OK
RWP215A	-	0	5.150	0.000	0.000		OK
PS790	-	0	4.700	0.000	0.000		OK
DF214	120 min Summer	68	4.937	0.012	0.716		OK
RWP214A	-	0	4.925	0.000	0.000		OK
PS96	120 min Summer	68	4.614	0.014	0.717		OK
RWP245B	-	0	5.200	0.000	0.000		OK
RE245	-	0	5.100	0.000	0.000		OK
PS617	-	0	5.000	0.000	0.000		OK
PS618	-	0	4.600	0.000	0.000		OK
DF245	120 min Summer	68	4.839	0.014	0.728		OK
PS145	120 min Summer	68	4.488	0.013	0.729		OK
S9	15 min Summer	9	4.225	0.149	44.108		OK
RE259A	-	0	4.925	0.000	0.000		OK
DF261	60 min Summer	37	4.757	0.016	0.683		OK
PS78	60 min Summer	38	4.565	0.015	0.679		OK
RE264A	-	0	5.300	0.000	0.000		OK
DF263	60 min Summer	37	4.940	0.015	0.682		OK
PS75	60 min Summer	37	4.662	0.012	0.682		OK
PS76	60 min Summer	38	4.223	0.023	1.360		OK
S1	15 min Summer	8	4.375	0.080	16.002		OK
S2	15 min Summer	9	4.051	0.197	90.027		OK
RE261A	-	0	4.800	0.000	0.000		OK
ACO259	-	0	4.795	0.000	0.000		OK
PS547	-	0	4.600	0.000	0.000		OK
DF258	60 min Summer	37	4.588	0.013	0.690		OK
PS80	60 min Summer	38	3.945	0.020	0.686		OK
RE258A	-	0	4.350	0.000	0.000		OK
PS81	60 min Summer	38	3.841	0.016	0.688		OK
RE211B	-	0	4.375	0.000	0.000		OK
ACO211	-	0	4.370	0.000	0.000		OK
PS821	-	0	4.300	0.000	0.000		OK
PS822	15 min Summer	8	4.291	0.041	2.461		OK
PS168	120 min Summer	66	4.165	0.015	0.733		OK
PS169	15 min Summer	8	4.084	0.034	3.011		OK
RWP210D	-	0	4.300	0.000	0.000		OK
RE210A	-	0	4.250	0.000	0.000		OK
RWP210F	-	0	4.300	0.000	0.000		OK
RE210C	-	0	4.275	0.000	0.000		OK
ACO210	-	0	4.220	0.000	0.000		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
PS819	-	0	4.130	0.000	0.000		OK
PS815	-	0	4.000	0.000	0.000		OK
RE210B	15 min Summer	8	4.134	0.034	2.461		OK
DF210	60 min Summer	37	4.112	0.012	0.645		OK
PS167	15 min Summer	8	3.837	0.037	5.442		OK
RE256A	-	0	4.350	0.000	0.000		OK
PS556	-	0	4.200	0.000	0.000		OK
RE257A	-	0	4.400	0.000	0.000		OK
ACO257	-	0	4.370	0.000	0.000		OK
DF257	120 min Summer	70	4.363	0.013	1.011		OK
PS557	120 min Summer	70	4.198	0.023	1.011		OK
PS83	120 min Summer	71	4.027	0.016	1.010		OK
S134	1440 min Summer	1024	3.833	0.476	1.669		Surcharged
S3	1440 min Summer	1024	3.833	0.608	1.657		Surcharged
RE205B	-	0	4.835	0.000	0.000		OK
ACO205	-	0	4.820	0.000	0.000		OK
PS805	-	0	4.750	0.000	0.000		OK
RWP205C	-	0	4.850	0.000	0.000		OK
RE205A	-	0	4.800	0.000	0.000		OK
RWP205G	15 min Summer	8	4.823	0.023	1.037		OK
PS644	15 min Summer	9	4.727	0.027	1.003		OK
RWP204B	15 min Summer	8	4.825	0.025	1.506		OK
DF205	120 min Summer	68	4.716	0.016	0.745		OK
PS133	15 min Summer	8	4.554	0.034	2.493		OK
S10	1440 min Summer	1017	3.833	0.308	0.285		Surcharged
RWP207A	-	0	4.600	0.000	0.000		OK
RE207A	-	0	4.550	0.000	0.000		OK
RE207C	-	0	4.625	0.000	0.000		OK
ACO207	-	0	4.595	0.000	0.000		OK
PS809	-	0	4.500	0.000	0.000		OK
RWP207C	15 min Summer	8	4.620	0.020	1.037		OK
PS635	15 min Summer	9	4.428	0.028	1.002		OK
RE207B	-	0	4.600	0.000	0.000		OK
DF207	120 min Summer	70	4.487	0.012	0.653		OK
RWP206B	-	0	4.650	0.000	0.000		OK
PS137	15 min Summer	9	4.248	0.023	1.016		OK
RE206C	15 min Summer	8	4.776	0.026	1.037		OK
ACO206	-	0	4.745	0.000	0.000		OK
PS807	15 min Summer	8	4.673	0.023	1.027		OK
RWP206E	-	0	4.750	0.000	0.000		OK
RE206A	-	0	4.700	0.000	0.000		OK
RWP206C	-	0	4.700	0.000	0.000		OK
RE206B	-	0	4.650	0.000	0.000		OK
PS639	15 min Summer	9	4.627	0.027	1.014		OK
DF206	120 min Summer	70	4.664	0.014	0.654		OK
RWP205A	-	0	4.800	0.000	0.000		OK
PS135	15 min Summer	9	4.444	0.019	1.021		OK
S11	1440 min Summer	1024	3.833	0.408	0.630		Surcharged
RE208B	-	0	4.625	0.000	0.000		OK
PS813	-	0	4.515	0.000	0.000		OK
RWP208A	-	0	4.500	0.000	0.000		OK
RE208A	15 min Summer	8	4.487	0.037	1.037		OK
RWP208C	-	0	4.550	0.000	0.000		OK
ACO208	-	0	4.520	0.000	0.000		OK
PS630	15 min Summer	8	4.451	0.016	1.022		OK
RWP208B	-	0	4.550	0.000	0.000		OK
RWP208I	-	0	4.550	0.000	0.000		OK
PS631	15 min Summer	9	4.221	0.021	1.014		OK
DF208	120 min Summer	70	4.311	0.011	0.647		OK
RWP209B	-	0	4.400	0.000	0.000		OK
PS139	1440 min Summer	1031	3.832	0.032	0.046		OK
RE209B	-	0	4.425	0.000	0.000		OK
RWP209D	-	0	4.450	0.000	0.000		OK
ACO209	-	0	4.370	0.000	0.000		OK
RWP209C	-	0	4.400	0.000	0.000		OK
PS208	-	0	4.245	0.000	0.000		OK
DF209	120 min Summer	70	4.214	0.014	0.653		OK
RWP209A	-	0	4.400	0.000	0.000		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
PS141	120 min Summer	70	4.044	0.019	0.653		OK
S12	1440 min Summer	1024	3.832	0.542	0.773		Surcharged
S13	1440 min Summer	1017	3.833	0.633	0.816		Surcharged
S4	1440 min Summer	1017	3.833	0.658	2.549		Surcharged
S5	1440 min Summer	1017	3.833	0.683	2.860		Surcharged
S6	1440 min Summer	1024	3.832	0.832	2.786		Surcharged
S99	1440 min Summer	1024	3.832	0.857	2.770		Surcharged
S7	15 min Winter	0	3.500	0.550	2.763		Outfall

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
1.000	15 min Winter	0	RE218A	PS785	0.000	0.000	0.000	0.000	OK
1.001	15 min Winter	0	PS785	PS784	0.000	0.000	0.000	0.000	OK
2.000	15 min Winter	0	RWP219C	PS784	0.000	0.000	0.000	0.000	OK
1.002	15 min Winter	0	PS784	PS92	0.000	0.000	0.000	0.000	OK
3.000	15 min Winter	0	RWP218A	PS92	0.000	0.000	0.000	0.000	OK
4.000	120 min Summer	68	DF218	PS92	0.013	1.027	0.750	0.013	OK
1.003	120 min Summer	68	PS92	S8	0.014	0.921	0.749	0.018	OK
5.000	15 min Winter	0	RE240B	PS797	0.000	0.000	0.000	0.000	OK
6.000	15 min Winter	0	RWP241B	PS797	0.000	0.000	0.000	0.000	OK
5.001	15 min Winter	0	PS797	PS795	0.000	0.000	0.000	0.000	OK
7.000	15 min Summer	8	RWP240A	RE240A	0.015	0.000	0.000	0.000	OK
7.001	15 min Summer	8	RE240A	PS795	0.030	0.918	1.819	0.196	OK
8.000	15 min Winter	0	RWP241A	PS795	0.000	0.000	0.000	0.000	OK
9.000	15 min Summer	8	GY240	PS795	0.012	0.000	0.000	0.000	OK
5.002	15 min Summer	8	PS795	S8	0.025	0.943	1.809	0.060	OK
1.004	15 min Summer	8	S8	S9	0.134	1.111	33.906	0.342	OK
10.000	15 min Winter	0	RWP216B	RE216A	0.000	0.000	0.000	0.000	OK
10.001	15 min Winter	0	RE216A	PS789	0.000	0.000	0.000	0.000	OK
11.000	15 min Winter	0	RWP214B	PS789	0.000	0.000	0.000	0.000	OK
10.002	15 min Winter	0	PS789	PS790	0.000	0.000	0.000	0.000	OK
12.000	15 min Winter	0	RWP215A	PS790	0.000	0.000	0.000	0.000	OK
10.003	15 min Winter	0	PS790	PS96	0.000	0.000	0.000	0.000	OK
13.000	120 min Summer	68	DF214	PS96	0.013	0.928	0.717	0.013	OK
14.000	15 min Winter	0	RWP214A	PS96	0.000	0.000	0.000	0.000	OK
10.004	120 min Summer	68	PS96	S9	0.014	0.825	0.717	0.019	OK
15.000	15 min Winter	0	RWP245B	RE245	0.000	0.000	0.000	0.000	OK
15.001	15 min Winter	0	RE245	PS617	0.000	0.000	0.000	0.000	OK
15.002	15 min Winter	0	PS617	PS618	0.000	0.000	0.000	0.000	OK
15.003	15 min Winter	0	PS618	PS145	0.000	0.000	0.000	0.000	OK
16.000	120 min Summer	68	DF245	PS145	0.014	0.884	0.729	0.019	OK
15.004	120 min Summer	68	PS145	S9	0.013	0.936	0.729	0.017	OK
1.005	15 min Summer	9	S9	S2	0.173	1.057	44.640	0.512	OK
17.000	15 min Winter	0	RE259A	PS78	0.000	0.000	0.000	0.000	OK
18.000	60 min Summer	37	DF261	PS78	0.016	0.701	0.682	0.023	OK
17.001	60 min Summer	38	PS78	PS76	0.019	0.515	0.681	0.022	OK
19.000	15 min Winter	0	RE264A	PS75	0.000	0.000	0.000	0.000	OK
20.000	60 min Summer	37	DF263	PS75	0.013	0.872	0.682	0.019	OK
19.001	60 min Summer	38	PS75	PS76	0.018	0.588	0.680	0.013	OK
17.002	15 min Summer	15	PS76	S2	0.024	0.723	1.023	0.039	OK
21.000	15 min Summer	9	S1	S2	0.100	1.080	15.857	0.273	OK
1.006	15 min Summer	10	S2	S134	0.232	1.703	90.720	0.789	OK
22.000	15 min Winter	0	RE261A	PS547	0.000	0.000	0.000	0.000	OK
23.000	15 min Winter	0	ACO259	PS547	0.000	0.000	0.000	0.000	OK
22.001	15 min Winter	0	PS547	PS80	0.000	0.000	0.000	0.000	OK
24.000	60 min Summer	37	DF258	PS80	0.016	0.663	0.689	0.016	OK
22.002	60 min Summer	38	PS80	PS81	0.018	0.583	0.688	0.035	OK
25.000	15 min Winter	0	RE258A	PS81	0.000	0.000	0.000	0.000	OK
22.003	600 min Summer	329	PS81	S134	0.080	0.479	0.296	0.010	OK
26.000	15 min Winter	0	RE211B	PS821	0.000	0.000	0.000	0.000	OK
27.000	15 min Winter	0	ACO211	PS821	0.000	0.000	0.000	0.000	OK
26.001	15 min Summer	8	PS821	PS822	0.021	0.000	0.000	0.000	OK
26.002	15 min Summer	8	PS822	PS169	0.041	0.799	2.439	0.358	OK
28.000	15 min Summer	8	PS168	PS169	0.024	0.512	0.572	0.017	OK

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
26.003	15 min Summer	8	PS169	PS167	0.036	0.922	2.997	0.116	OK
29.000	15 min Winter	0	RWP210D	RE210A	0.000	0.000	0.000	0.000	OK
29.001	15 min Winter	0	RE210A	PS815	0.000	0.000	0.000	0.000	OK
30.000	15 min Winter	0	RWP210F	RE210C	0.000	0.000	0.000	0.000	OK
30.001	15 min Winter	0	RE210C	PS819	0.000	0.000	0.000	0.000	OK
31.000	15 min Winter	0	ACO210	PS819	0.000	0.000	0.000	0.000	OK
30.002	15 min Winter	0	PS819	PS815	0.000	0.000	0.000	0.000	OK
29.002	15 min Winter	0	PS815	PS167	0.000	0.000	0.000	0.000	OK
32.000	15 min Summer	8	RE210B	PS167	0.034	1.039	2.446	0.249	OK
33.000	60 min Summer	37	DF210	PS167	0.021	0.509	0.645	0.012	OK
26.004	1440 min Summer	1008	PS167	S134	0.093	0.666	1.394	0.035	OK
34.000	15 min Winter	0	RE256A	PS556	0.000	0.000	0.000	0.000	OK
34.001	15 min Winter	0	PS556	PS83	0.000	0.000	0.000	0.000	OK
35.000	15 min Winter	0	RE257A	PS557	0.000	0.000	0.000	0.000	OK
36.000	15 min Winter	0	ACO257	PS557	0.000	0.000	0.000	0.000	OK
37.000	120 min Summer	70	DF257	PS557	0.018	0.819	1.011	0.016	OK
35.001	120 min Summer	70	PS557	PS83	0.020	0.724	1.011	0.048	OK
34.002	480 min Summer	276	PS83	S134	0.081	0.764	0.599	0.015	OK
1.007	240 min Summer	213	S134	S3	0.300	0.977	35.040	0.287	Surcharged
1.008	15 min Summer	10	S3	S4	0.300	1.348	95.309	1.317	Surcharged
38.000	15 min Winter	0	RE205B	PS805	0.000	0.000	0.000	0.000	OK
39.000	15 min Winter	0	ACO205	PS805	0.000	0.000	0.000	0.000	OK
38.001	15 min Summer	9	PS805	PS644	0.014	0.000	0.000	0.000	OK
40.000	15 min Winter	0	RWP205C	RE205A	0.000	0.000	0.000	0.000	OK
40.001	15 min Summer	9	RE205A	PS644	0.014	0.000	0.000	0.000	OK
41.000	15 min Summer	8	RWP205G	PS644	0.025	0.667	1.027	0.116	OK
38.002	15 min Summer	9	PS644	PS133	0.027	0.580	1.016	0.166	OK
42.000	15 min Summer	8	RWP204B	PS133	0.025	0.972	1.495	0.137	OK
43.000	60 min Summer	38	DF205	PS133	0.022	0.509	0.737	0.024	OK
38.003	15 min Summer	9	PS133	S10	0.034	0.821	2.483	0.115	OK
38.004	1440 min Summer	917	S10	S11	0.300	0.189	1.602	0.022	Surcharged
44.000	15 min Winter	0	RWP207A	RE207A	0.000	0.000	0.000	0.000	OK
44.001	15 min Summer	9	RE207A	PS635	0.014	0.000	0.000	0.000	OK
45.000	15 min Winter	0	RE207C	PS809	0.000	0.000	0.000	0.000	OK
46.000	15 min Winter	0	ACO207	PS809	0.000	0.000	0.000	0.000	OK
45.001	15 min Summer	9	PS809	PS635	0.014	0.000	0.000	0.000	OK
47.000	15 min Summer	8	RWP207C	PS635	0.024	0.738	1.029	0.085	OK
44.002	15 min Summer	9	PS635	PS137	0.028	0.575	1.015	0.168	OK
48.000	15 min Winter	0	RE207B	PS137	0.000	0.000	0.000	0.000	OK
49.000	120 min Summer	70	DF207	PS137	0.017	0.606	0.653	0.013	OK
50.000	15 min Winter	0	RWP206B	PS137	0.000	0.000	0.000	0.000	OK
44.003	15 min Summer	9	PS137	S11	0.023	0.607	1.019	0.050	OK
51.000	15 min Summer	8	RE206C	PS807	0.025	0.687	1.027	0.142	OK
52.000	15 min Summer	8	ACO206	PS807	0.012	0.000	0.000	0.000	OK
51.001	15 min Summer	9	PS807	PS639	0.025	0.659	1.015	0.120	OK
53.000	15 min Winter	0	RWP206E	RE206A	0.000	0.000	0.000	0.000	OK
53.001	15 min Summer	9	RE206A	PS639	0.014	0.000	0.000	0.000	OK
54.000	15 min Winter	0	RWP206C	RE206B	0.000	0.000	0.000	0.000	OK
54.001	15 min Summer	9	RE206B	PS639	0.014	0.000	0.000	0.000	OK
51.002	15 min Summer	9	PS639	PS135	0.027	0.589	1.021	0.164	OK
55.000	120 min Summer	70	DF206	PS135	0.016	0.634	0.654	0.018	OK
56.000	15 min Winter	0	RWP205A	PS135	0.000	0.000	0.000	0.000	OK
51.003	15 min Summer	9	PS135	S11	0.019	0.768	1.019	0.036	OK
38.005	600 min Summer	376	S11	S12	0.300	0.375	6.710	0.111	Surcharged
57.000	15 min Winter	0	RE208B	PS813	0.000	0.000	0.000	0.000	OK
57.001	15 min Winter	0	PS813	PS139	0.000	0.000	0.000	0.000	OK
58.000	15 min Summer	8	RWP208A	RE208A	0.019	0.000	0.000	0.000	OK
58.001	15 min Summer	8	RE208A	PS630	0.026	0.615	1.022	0.370	OK
59.000	15 min Summer	8	RWP208C	PS630	0.008	0.000	0.000	0.000	OK
60.000	15 min Summer	8	ACO208	PS630	0.008	0.000	0.000	0.000	OK
58.002	15 min Summer	9	PS630	PS631	0.018	1.022	1.014	0.054	OK
61.000	15 min Summer	9	RWP208B	PS631	0.011	0.000	0.000	0.000	OK
62.000	15 min Summer	9	RWP208I	PS631	0.011	0.000	0.000	0.000	OK
58.003	15 min Summer	9	PS631	PS139	0.021	0.843	1.021	0.098	OK
63.000	1440 min Summer	1017	DF208	PS139	0.018	0.403	0.176	0.003	OK
64.000	15 min Winter	0	RWP209B	PS139	0.000	0.000	0.000	0.000	OK
57.002	1440 min Summer	1031	PS139	S12	0.091	0.377	0.261	0.014	OK
65.000	15 min Winter	0	RE209B	PS208	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
66.000	15 min Winter	0	RWP209D	PS208	0.000	0.000	0.000	0.000	OK
67.000	15 min Winter	0	ACO209	PS208	0.000	0.000	0.000	0.000	OK
68.000	15 min Winter	0	RWP209C	PS208	0.000	0.000	0.000	0.000	OK
65.001	15 min Winter	0	PS208	PS141	0.000	0.000	0.000	0.000	OK
69.000	120 min Summer	70	DF209	PS141	0.017	0.601	0.653	0.019	OK
70.000	15 min Winter	0	RWP209A	PS141	0.000	0.000	0.000	0.000	OK
65.002	120 min Summer	70	PS141	S12	0.019	0.498	0.653	0.035	OK
38.006	720 min Summer	360	S12	S13	0.300	0.330	15.687	0.233	Surcharged
38.007	120 min Summer	78	S13	S4	0.300	0.432	23.014	0.330	Surcharged
1.009	15 min Summer	730	S4	S5	0.300	2.011	137.368	1.953	Surcharged
1.010	720 min Summer	456	S5	S6	0.600	0.480	35.670	0.090	Surcharged
1.011	1440 min Summer	889	S6	S99	0.300	0.039	2.778	0.036	Surcharged
1.012	1440 min Summer	1024	S99	S7	0.225	0.070	2.770	0.066	OK

Permeable Paving Storage

Permeable Paving	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
Permeable Paving50	120 min Summer	68	5.400	0.023	0.746		OK
Permeable Paving52	60 min Summer	37	5.124	0.022	0.761		OK
Permeable Paving69	120 min Summer	68	5.120	0.022	0.715		OK
Permeable Paving44	60 min Summer	37	4.932	0.021	0.693		OK
Permeable Paving43	60 min Summer	37	5.133	0.021	0.691		OK
Permeable Paving45	60 min Summer	37	4.800	0.021	0.705		OK
Permeable Paving85	120 min Summer	68	4.368	0.024	0.570		OK
Permeable Paving78	60 min Summer	37	4.412	0.020	0.624		OK
Permeable Paving46	120 min Summer	70	4.540	0.028	1.010		OK
Permeable Paving63	120 min Summer	68	4.917	0.022	0.739		OK
Permeable Paving84	120 min Summer	70	4.590	0.027	0.638		OK
Permeable Paving83	120 min Summer	70	4.757	0.027	0.640		OK
Permeable Paving82	120 min Summer	70	4.419	0.027	0.630		OK
Permeable Paving81	120 min Summer	70	4.314	0.027	0.638		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
RE218A	-	0	5.250	0.000	0.000		OK
PS785	-	0	5.150	0.000	0.000		OK
RWP219C	-	0	5.275	0.000	0.000		OK
PS784	-	0	5.045	0.000	0.000		OK
RWP218A	-	0	5.450	0.000	0.000		OK
DF218	30 min Summer	25	5.217	0.017	1.708		OK
PS92	30 min Summer	25	4.966	0.021	1.708		OK
RE240B	-	0	5.425	0.000	0.000		OK
RWP241B	-	0	5.450	0.000	0.000		OK
PS797	-	0	5.300	0.000	0.000		OK
RWP240A	-	0	5.450	0.000	0.000		OK
RE240A	15 min Summer	8	5.442	0.042	3.460		OK
RWP241A	-	0	5.475	0.000	0.000		OK
GY240	-	0	5.350	0.000	0.000		OK
PS795	15 min Summer	8	4.714	0.034	3.440		OK
S8	15 min Summer	10	4.718	0.352	51.779		Surcharged
RWP216B	-	0	5.150	0.000	0.000		OK
RE216A	-	0	5.100	0.000	0.000		OK
RWP214B	-	0	5.000	0.000	0.000		OK
PS789	-	0	4.850	0.000	0.000		OK
RWP215A	-	0	5.150	0.000	0.000		OK
PS790	-	0	4.700	0.000	0.000		OK
DF214	30 min Summer	24	4.943	0.018	1.638		OK
RWP214A	-	0	4.925	0.000	0.000		OK
PS96	15 min Summer	10	4.656	0.056	1.282		OK
RWP245B	-	0	5.200	0.000	0.000		OK
RE245	-	0	5.100	0.000	0.000		OK
PS617	-	0	5.000	0.000	0.000		OK
PS618	15 min Summer	11	4.640	0.040	0.000		OK
DF245	30 min Summer	25	4.846	0.021	1.660		OK
PS145	15 min Summer	10	4.649	0.174	2.824		Surcharged
S9	15 min Summer	10	4.650	0.574	68.611		Surcharged
RE259A	-	0	4.925	0.000	0.000		OK
DF261	30 min Summer	24	4.764	0.023	1.542		OK
PS78	30 min Summer	24	4.573	0.023	1.542		OK
RE264A	-	0	5.300	0.000	0.000		OK
DF263	30 min Summer	24	4.947	0.022	1.539		OK
PS75	30 min Summer	24	4.668	0.018	1.538		OK
PS76	15 min Summer	10	4.546	0.346	1.149		Surcharged
S1	15 min Summer	10	4.601	0.305	24.075		Surcharged
S2	15 min Summer	10	4.549	0.695	130.336		Surcharged
RE261A	-	0	4.800	0.000	0.000		OK
ACO259	-	0	4.795	0.000	0.000		OK
PS547	-	0	4.600	0.000	0.000		OK
DF258	30 min Summer	24	4.594	0.019	1.560		OK
PS80	1440 min Summer	1230	4.036	0.111	0.026		OK
RE258A	-	0	4.350	0.000	0.000		OK
PS81	1440 min Summer	1223	4.036	0.211	0.043		Surcharged
RE211B	-	0	4.375	0.000	0.000		OK
ACO211	-	0	4.370	0.000	0.000		OK
PS821	15 min Summer	8	4.310	0.010	0.037		OK
PS822	15 min Summer	8	4.310	0.060	4.648		OK
PS168	60 min Summer	37	4.172	0.022	1.484		OK
PS169	15 min Summer	9	4.097	0.047	5.652		OK
RWP210D	-	0	4.300	0.000	0.000		OK
RE210A	-	0	4.250	0.000	0.000		OK
RWP210F	-	0	4.300	0.000	0.000		OK
RE210C	-	0	4.275	0.000	0.000		OK
ACO210	-	0	4.220	0.000	0.000		OK
PS819	-	0	4.130	0.000	0.000		OK
PS815	1440 min Summer	1218	4.036	0.036	0.000		OK
RE210B	15 min Summer	8	4.148	0.048	4.648		OK
DF210	30 min Summer	24	4.117	0.017	1.436		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
PS167	1440 min Summer	1220	4.036	0.236	0.117		Surcharged
RE256A	-	0	4.350	0.000	0.000		OK
PS556	-	0	4.200	0.000	0.000		OK
RE257A	-	0	4.400	0.000	0.000		OK
ACO257	-	0	4.370	0.000	0.000		OK
DF257	60 min Summer	41	4.370	0.020	2.365		OK
PS557	60 min Summer	41	4.210	0.035	2.364		OK
PS83	60 min Summer	42	4.036	0.025	2.354		OK
S134	1440 min Summer	1225	4.036	0.678	1.532		Surcharged
S3	1440 min Summer	1225	4.036	0.811	1.591		Surcharged
RE205B	-	0	4.835	0.000	0.000		OK
ACO205	-	0	4.820	0.000	0.000		OK
PS805	-	0	4.750	0.000	0.000		OK
RWP205C	-	0	4.850	0.000	0.000		OK
RE205A	-	0	4.800	0.000	0.000		OK
RWP205G	15 min Summer	8	4.832	0.032	1.958		OK
PS644	15 min Summer	8	4.738	0.038	1.944		OK
RWP204B	15 min Summer	8	4.835	0.035	2.844		OK
DF205	30 min Summer	25	4.724	0.024	1.696		OK
PS133	15 min Summer	8	4.567	0.047	4.736		OK
S10	1440 min Summer	1217	4.036	0.511	0.273		Surcharged
RWP207A	-	0	4.600	0.000	0.000		OK
RE207A	-	0	4.550	0.000	0.000		OK
RE207C	-	0	4.625	0.000	0.000		OK
ACO207	-	0	4.595	0.000	0.000		OK
PS809	-	0	4.500	0.000	0.000		OK
RWP207C	15 min Summer	8	4.627	0.027	1.958		OK
PS635	15 min Summer	9	4.438	0.038	1.888		OK
RE207B	-	0	4.600	0.000	0.000		OK
DF207	60 min Summer	41	4.493	0.018	1.524		OK
RWP206B	-	0	4.650	0.000	0.000		OK
PS137	60 min Summer	34	4.257	0.032	2.036		OK
RE206C	15 min Summer	8	4.786	0.036	1.958		OK
ACO206	-	0	4.745	0.000	0.000		OK
PS807	15 min Summer	8	4.682	0.032	1.943		OK
RWP206E	-	0	4.750	0.000	0.000		OK
RE206A	-	0	4.700	0.000	0.000		OK
RWP206C	-	0	4.700	0.000	0.000		OK
RE206B	-	0	4.650	0.000	0.000		OK
PS639	15 min Summer	9	4.638	0.038	1.908		OK
DF206	60 min Summer	41	4.671	0.021	1.527		OK
RWP205A	-	0	4.800	0.000	0.000		OK
PS135	60 min Summer	34	4.452	0.027	2.063		OK
S11	1440 min Summer	1219	4.036	0.611	0.597		Surcharged
RE208B	-	0	4.625	0.000	0.000		OK
PS813	-	0	4.515	0.000	0.000		OK
RWP208A	15 min Summer	9	4.500	0.000	0.000		OK
RE208A	15 min Summer	8	4.500	0.050	1.958		OK
RWP208C	-	0	4.550	0.000	0.000		OK
ACO208	-	0	4.520	0.000	0.000		OK
PS630	15 min Summer	8	4.457	0.022	1.938		OK
RWP208B	-	0	4.550	0.000	0.000		OK
RWP208I	-	0	4.550	0.000	0.000		OK
PS631	15 min Summer	9	4.229	0.029	1.906		OK
DF208	60 min Summer	41	4.317	0.017	1.510		OK
RWP209B	-	0	4.400	0.000	0.000		OK
PS139	1440 min Summer	1226	4.036	0.236	0.043		Surcharged
RE209B	-	0	4.425	0.000	0.000		OK
RWP209D	-	0	4.450	0.000	0.000		OK
ACO209	-	0	4.370	0.000	0.000		OK
RWP209C	-	0	4.400	0.000	0.000		OK
PS208	-	0	4.245	0.000	0.000		OK
DF209	60 min Summer	41	4.222	0.022	1.524		OK
RWP209A	-	0	4.400	0.000	0.000		OK
PS141	60 min Summer	41	4.054	0.029	1.523		OK
S12	1440 min Summer	1230	4.036	0.746	0.711		Surcharged
S13	1440 min Summer	1230	4.036	0.836	0.731		Surcharged
S4	1440 min Summer	1225	4.036	0.861	2.348		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S5	1440 min Summer	1225	4.035	0.885	2.663		Surcharged
S6	1440 min Summer	1221	4.035	1.035	2.729		Surcharged
S99	1440 min Summer	1221	4.035	1.060	2.655		Surcharged
S7	15 min Summer	0	3.500	0.550	2.763		Outfall

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
1.000	15 min Summer	0	RE218A	PS785	0.000	0.000	0.000	0.000	OK
1.001	15 min Summer	0	PS785	PS784	0.000	0.000	0.000	0.000	OK
2.000	15 min Summer	0	RWP219C	PS784	0.000	0.000	0.000	0.000	OK
1.002	15 min Summer	0	PS784	PS92	0.000	0.000	0.000	0.000	OK
3.000	15 min Summer	0	RWP218A	PS92	0.000	0.000	0.000	0.000	OK
4.000	30 min Summer	25	DF218	PS92	0.019	1.318	1.708	0.029	OK
1.003	15 min Summer	17	PS92	S8	0.080	1.134	1.506	0.036	OK
5.000	15 min Summer	0	RE240B	PS797	0.000	0.000	0.000	0.000	OK
6.000	15 min Summer	0	RWP241B	PS797	0.000	0.000	0.000	0.000	OK
5.001	15 min Summer	0	PS797	PS795	0.000	0.000	0.000	0.000	OK
7.000	15 min Summer	8	RWP240A	RE240A	0.021	0.000	0.000	0.000	OK
7.001	15 min Summer	8	RE240A	PS795	0.042	1.094	3.440	0.371	OK
8.000	15 min Summer	0	RWP241A	PS795	0.000	0.000	0.000	0.000	OK
9.000	15 min Summer	8	GY240	PS795	0.017	0.000	0.000	0.000	OK
5.002	15 min Summer	10	PS795	S8	0.091	1.137	3.426	0.114	OK
1.004	15 min Summer	10	S8	S9	0.300	1.257	61.348	0.619	Surcharged
10.000	15 min Summer	0	RWP216B	RE216A	0.000	0.000	0.000	0.000	OK
10.001	15 min Summer	0	RE216A	PS789	0.000	0.000	0.000	0.000	OK
11.000	15 min Summer	0	RWP214B	PS789	0.000	0.000	0.000	0.000	OK
10.002	15 min Summer	0	PS789	PS790	0.000	0.000	0.000	0.000	OK
12.000	15 min Summer	0	RWP215A	PS790	0.000	0.000	0.000	0.000	OK
10.003	15 min Summer	10	PS790	PS96	0.003	0.000	0.000	0.000	OK
13.000	15 min Summer	17	DF214	PS96	0.032	1.153	1.454	0.027	OK
14.000	15 min Summer	10	RWP214A	PS96	0.003	0.000	0.000	0.000	OK
10.004	15 min Summer	11	PS96	S9	0.103	1.015	1.878	0.051	OK
15.000	15 min Summer	0	RWP245B	RE245	0.000	0.000	0.000	0.000	OK
15.001	15 min Summer	0	RE245	PS617	0.000	0.000	0.000	0.000	OK
15.002	15 min Summer	11	PS617	PS618	0.020	0.000	0.000	0.000	OK
15.003	15 min Summer	11	PS618	PS145	0.070	0.365	2.090	0.292	OK
16.000	15 min Summer	17	DF245	PS145	0.081	1.093	1.474	0.038	OK
15.004	15 min Summer	11	PS145	S9	0.150	1.158	4.116	0.093	Surcharged
1.005	15 min Winter	8	S9	S2	0.300	1.089	67.464	0.773	Surcharged
17.000	15 min Summer	0	RE259A	PS78	0.000	0.000	0.000	0.000	OK
18.000	30 min Summer	24	DF261	PS78	0.023	0.895	1.542	0.052	OK
17.001	30 min Summer	24	PS78	PS76	0.084	0.656	1.541	0.050	OK
19.000	15 min Summer	0	RE264A	PS75	0.000	0.000	0.000	0.000	OK
20.000	30 min Summer	24	DF263	PS75	0.020	1.117	1.538	0.043	OK
19.001	30 min Summer	24	PS75	PS76	0.082	0.746	1.538	0.030	OK
17.002	15 min Winter	13	PS76	S2	0.150	0.965	8.090	0.307	Surcharged
21.000	15 min Summer	9	S1	S2	0.225	1.093	28.007	0.482	OK
1.006	15 min Winter	10	S2	S134	0.300	1.738	121.136	1.053	Surcharged
22.000	15 min Summer	0	RE261A	PS547	0.000	0.000	0.000	0.000	OK
23.000	15 min Summer	0	ACO259	PS547	0.000	0.000	0.000	0.000	OK
22.001	1440 min Summer	1230	PS547	PS80	0.030	0.000	0.000	0.000	OK
24.000	1440 min Summer	1230	DF258	PS80	0.057	0.489	0.236	0.005	OK
22.002	1440 min Summer	1230	PS80	PS81	0.130	0.420	0.240	0.012	OK
25.000	15 min Summer	10	RE258A	PS81	0.050	0.000	0.000	0.000	OK
22.003	600 min Summer	496	PS81	S134	0.150	0.475	0.880	0.031	Surcharged
26.000	15 min Summer	8	RE211B	PS821	0.005	0.000	0.000	0.000	OK
27.000	15 min Summer	8	ACO211	PS821	0.005	0.000	0.000	0.000	OK
26.001	15 min Summer	10	PS821	PS822	0.035	0.028	0.054	0.006	OK
26.002	15 min Summer	8	PS822	PS169	0.060	0.935	4.567	0.671	OK
28.000	15 min Summer	16	PS168	PS169	0.033	0.763	1.125	0.034	OK
26.003	15 min Summer	10	PS169	PS167	0.097	1.068	5.668	0.219	OK
29.000	15 min Summer	0	RWP210D	RE210A	0.000	0.000	0.000	0.000	OK
29.001	1440 min Summer	1218	RE210A	PS815	0.018	0.000	0.000	0.000	OK
30.000	15 min Summer	0	RWP210F	RE210C	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
30.001	15 min Summer	0	RE210C	PS819	0.000	0.000	0.000	0.000	OK
31.000	15 min Summer	0	ACO210	PS819	0.000	0.000	0.000	0.000	OK
30.002	1440 min Summer	1218	PS819	PS815	0.018	0.000	0.000	0.000	OK
29.002	1440 min Summer	1557	PS815	PS167	0.068	0.010	0.044	0.007	OK
32.000	15 min Summer	10	RE210B	PS167	0.072	1.233	4.624	0.472	OK
33.000	30 min Summer	24	DF210	PS167	0.082	0.736	1.437	0.028	OK
26.004	30 min Summer	18	PS167	S134	0.150	1.461	9.000	0.228	Surcharged
34.000	15 min Summer	0	RE256A	PS556	0.000	0.000	0.000	0.000	OK
34.001	15 min Summer	0	PS556	PS83	0.000	0.000	0.000	0.000	OK
35.000	15 min Summer	0	RE257A	PS557	0.000	0.000	0.000	0.000	OK
36.000	15 min Summer	0	ACO257	PS557	0.000	0.000	0.000	0.000	OK
37.000	60 min Summer	41	DF257	PS557	0.028	1.057	2.364	0.038	OK
35.001	60 min Summer	41	PS557	PS83	0.030	0.935	2.361	0.113	OK
34.002	60 min Summer	42	PS83	S134	0.087	0.337	2.359	0.060	OK
1.007	15 min Winter	12	S134	S3	0.300	1.811	128.011	1.048	Surcharged
1.008	15 min Winter	11	S3	S4	0.300	1.892	133.708	1.847	Surcharged
38.000	15 min Summer	0	RE205B	PS805	0.000	0.000	0.000	0.000	OK
39.000	15 min Summer	0	ACO205	PS805	0.000	0.000	0.000	0.000	OK
38.001	15 min Summer	8	PS805	PS644	0.019	0.000	0.000	0.000	OK
40.000	15 min Summer	0	RWP205C	RE205A	0.000	0.000	0.000	0.000	OK
40.001	15 min Summer	8	RE205A	PS644	0.019	0.000	0.000	0.000	OK
41.000	15 min Summer	8	RWP205G	PS644	0.035	0.793	1.944	0.220	OK
38.002	15 min Summer	9	PS644	PS133	0.038	0.694	1.917	0.314	OK
42.000	15 min Summer	8	RWP204B	PS133	0.035	1.165	2.828	0.260	OK
43.000	60 min Summer	40	DF205	PS133	0.031	0.703	1.695	0.056	OK
38.003	15 min Summer	8	PS133	S10	0.047	0.985	4.705	0.218	OK
38.004	15 min Winter	9	S10	S11	0.300	0.651	29.299	0.406	Surcharged
44.000	15 min Summer	0	RWP207A	RE207A	0.000	0.000	0.000	0.000	OK
44.001	15 min Summer	9	RE207A	PS635	0.019	0.000	0.000	0.000	OK
45.000	15 min Summer	0	RE207C	PS809	0.000	0.000	0.000	0.000	OK
46.000	15 min Summer	0	ACO207	PS809	0.000	0.000	0.000	0.000	OK
45.001	15 min Summer	9	PS809	PS635	0.019	0.000	0.000	0.000	OK
47.000	15 min Summer	8	RWP207C	PS635	0.033	0.875	1.947	0.160	OK
44.002	15 min Summer	9	PS635	PS137	0.039	0.687	1.917	0.318	OK
48.000	15 min Summer	0	RE207B	PS137	0.000	0.000	0.000	0.000	OK
49.000	60 min Summer	41	DF207	PS137	0.024	0.830	1.523	0.030	OK
50.000	15 min Summer	0	RWP206B	PS137	0.000	0.000	0.000	0.000	OK
44.003	60 min Summer	34	PS137	S11	0.032	0.745	2.038	0.100	OK
51.000	15 min Summer	8	RE206C	PS807	0.034	0.823	1.943	0.269	OK
52.000	15 min Summer	8	ACO206	PS807	0.016	0.000	0.000	0.000	OK
51.001	15 min Summer	9	PS807	PS639	0.035	0.784	1.928	0.228	OK
53.000	15 min Summer	0	RWP206E	RE206A	0.000	0.000	0.000	0.000	OK
53.001	15 min Summer	9	RE206A	PS639	0.019	0.000	0.000	0.000	OK
54.000	15 min Summer	0	RWP206C	RE206B	0.000	0.000	0.000	0.000	OK
54.001	15 min Summer	9	RE206B	PS639	0.019	0.000	0.000	0.000	OK
51.002	15 min Summer	9	PS639	PS135	0.038	0.704	1.929	0.310	OK
55.000	60 min Summer	41	DF206	PS135	0.024	0.863	1.526	0.043	OK
56.000	15 min Summer	0	RWP205A	PS135	0.000	0.000	0.000	0.000	OK
51.003	60 min Summer	34	PS135	S11	0.027	0.947	2.064	0.072	OK
38.005	15 min Winter	10	S11	S12	0.300	0.908	56.962	0.942	Surcharged
57.000	15 min Summer	0	RE208B	PS813	0.000	0.000	0.000	0.000	OK
57.001	480 min Winter	391	PS813	PS139	0.050	0.000	0.000	0.000	OK
58.000	15 min Summer	9	RWP208A	RE208A	0.025	0.001	0.000	0.000	OK
58.001	15 min Summer	8	RE208A	PS630	0.036	0.764	1.938	0.701	OK
59.000	15 min Summer	8	RWP208C	PS630	0.011	0.000	0.000	0.000	OK
60.000	15 min Summer	8	ACO208	PS630	0.011	0.000	0.000	0.000	OK
58.002	15 min Summer	8	PS630	PS631	0.025	1.229	1.929	0.104	OK
61.000	15 min Summer	9	RWP208B	PS631	0.015	0.000	0.000	0.000	OK
62.000	15 min Summer	9	RWP208I	PS631	0.015	0.000	0.000	0.000	OK
58.003	1440 min Summer	824	PS631	PS139	0.053	0.454	0.129	0.012	OK
63.000	960 min Summer	583	DF208	PS139	0.078	0.500	0.361	0.006	OK
64.000	480 min Winter	391	RWP209B	PS139	0.050	0.000	0.000	0.000	OK
57.002	480 min Summer	390	PS139	S12	0.150	0.540	0.982	0.051	Surcharged
65.000	15 min Summer	0	RE209B	PS208	0.000	0.000	0.000	0.000	OK
66.000	15 min Summer	0	RWP209D	PS208	0.000	0.000	0.000	0.000	OK
67.000	15 min Summer	0	ACO209	PS208	0.000	0.000	0.000	0.000	OK
68.000	15 min Summer	0	RWP209C	PS208	0.000	0.000	0.000	0.000	OK
65.001	15 min Summer	0	PS208	PS141	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
69.000	60 min Summer	41	DF209	PS141	0.025	0.775	1.523	0.045	OK
70.000	15 min Summer	0	RWP209A	PS141	0.000	0.000	0.000	0.000	OK
65.002	1440 min Summer	1224	PS141	S12	0.053	0.381	0.269	0.014	OK
38.006	15 min Winter	10	S12	S13	0.300	0.943	66.682	0.992	Surcharged
38.007	15 min Winter	10	S13	S4	0.300	0.939	66.346	0.951	Surcharged
1.009	15 min Winter	11	S4	S5	0.300	2.799	197.833	2.812	Surcharged
1.010	180 min Summer	112	S5	S6	0.600	1.003	109.009	0.276	Surcharged
1.011	240 min Summer	137	S6	S99	0.300	0.041	2.885	0.038	Surcharged
1.012	720 min Winter	1410	S99	S7	0.225	0.070	2.771	0.066	OK

Permeable Paving Storage

Permeable Paving	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
Permeable Paving50	30 min Summer	25	5.416	0.039	1.645		OK
Permeable Paving52	30 min Summer	24	5.140	0.038	1.683		OK
Permeable Paving69	30 min Summer	24	5.136	0.038	1.724		OK
Permeable Paving44	30 min Summer	24	4.947	0.036	1.533		OK
Permeable Paving43	30 min Summer	24	5.149	0.036	1.528		OK
Permeable Paving45	30 min Summer	24	4.815	0.037	1.560		OK
Permeable Paving85	60 min Summer	40	4.385	0.042	1.289		OK
Permeable Paving78	30 min Summer	24	4.426	0.035	1.382		OK
Permeable Paving46	60 min Summer	41	4.561	0.049	2.500		OK
Permeable Paving63	30 min Summer	25	4.934	0.039	1.629		OK
Permeable Paving84	60 min Summer	41	4.611	0.047	1.580		OK
Permeable Paving83	60 min Summer	41	4.778	0.047	1.586		OK
Permeable Paving82	60 min Summer	41	4.439	0.047	1.558		OK
Permeable Paving81	60 min Summer	41	4.334	0.047	1.581		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
RE218A	-	0	5.250	0.000	0.000		OK
PS785	-	0	5.150	0.000	0.000		OK
RWP219C	-	0	5.275	0.000	0.000		OK
PS784	15 min Summer	11	5.068	0.023	0.000		OK
RWP218A	-	0	5.450	0.000	0.000		OK
DF218	30 min Summer	23	5.220	0.020	2.316		OK
PS92	15 min Summer	10	5.081	0.136	2.438		OK
RE240B	-	0	5.425	0.000	0.000		OK
RWP241B	-	0	5.450	0.000	0.000		OK
PS797	-	0	5.300	0.000	0.000		OK
RWP240A	-	0	5.450	0.000	0.000		OK
RE240A	15 min Summer	8	5.449	0.049	4.488		OK
RWP241A	-	0	5.475	0.000	0.000		OK
GY240	-	0	5.350	0.000	0.000		OK
PS795	15 min Summer	10	5.085	0.405	3.670		Surcharged
S8	15 min Summer	10	5.084	0.719	67.674		Surcharged
RWP216B	-	0	5.150	0.000	0.000		OK
RE216A	-	0	5.100	0.000	0.000		OK
RWP214B	15 min Summer	12	5.010	0.010	0.000		OK
PS789	15 min Summer	11	5.013	0.163	1.031		Surcharged
RWP215A	-	0	5.150	0.000	0.000		OK
PS790	15 min Summer	11	5.014	0.314	1.386		Surcharged
DF214	15 min Summer	11	5.013	0.088	0.987		OK
RWP214A	15 min Summer	11	5.013	0.088	0.000		OK
PS96	15 min Summer	11	5.011	0.411	1.441		Surcharged
RWP245B	-	0	5.200	0.000	0.000		OK
RE245	-	0	5.100	0.000	0.000		OK
PS617	15 min Summer	11	5.005	0.005	0.055		OK
PS618	15 min Summer	11	4.998	0.398	0.000		Surcharged
DF245	15 min Summer	11	4.998	0.173	0.991		Surcharged
PS145	15 min Summer	11	4.997	0.522	1.671		Surcharged
S9	15 min Summer	11	4.996	0.920	66.269		Surcharged
RE259A	-	0	4.925	0.000	0.000		OK
DF261	15 min Summer	11	4.896	0.155	0.970		Surcharged
PS78	15 min Summer	11	4.888	0.338	2.273		Surcharged
RE264A	-	0	5.300	0.000	0.000		OK
DF263	30 min Summer	23	4.950	0.025	2.089		OK
PS75	15 min Summer	11	4.876	0.226	0.892		Surcharged
PS76	15 min Summer	11	4.876	0.676	4.781		Surcharged
S1	15 min Summer	10	4.946	0.651	31.223		Surcharged
S2	15 min Summer	11	4.861	1.007	133.331		Surcharged
RE261A	-	0	4.800	0.000	0.000		OK
ACO259	-	0	4.795	0.000	0.000		OK
PS547	-	0	4.600	0.000	0.000		OK
DF258	30 min Summer	23	4.597	0.022	2.118		OK
PS80	15 min Summer	11	4.179	0.254	0.903		Surcharged
RE258A	-	0	4.350	0.000	0.000		OK
PS81	1440 min Summer	1431	4.176	0.351	0.027		Surcharged
RE211B	-	0	4.375	0.000	0.000		OK
ACO211	-	0	4.370	0.000	0.000		OK
PS821	15 min Summer	8	4.322	0.022	0.057		OK
PS822	15 min Summer	8	4.322	0.072	6.028		OK
PS168	15 min Summer	11	4.178	0.028	1.345		OK
PS169	15 min Summer	12	4.186	0.136	4.347		OK
RWP210D	-	0	4.300	0.000	0.000		OK
RE210A	-	0	4.250	0.000	0.000		OK
RWP210F	-	0	4.300	0.000	0.000		OK
RE210C	-	0	4.275	0.000	0.000		OK
ACO210	-	0	4.220	0.000	0.000		OK
PS819	15 min Summer	12	4.184	0.054	0.000		OK
PS815	15 min Summer	12	4.183	0.183	0.441		Surcharged
RE210B	15 min Summer	11	4.193	0.093	2.835		OK
DF210	15 min Summer	11	4.176	0.076	0.951		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
PS167	15 min Summer	12	4.177	0.377	9.062		Surcharged
RE256A	-	0	4.350	0.000	0.000		OK
PS556	-	0	4.200	0.000	0.000		OK
RE257A	-	0	4.400	0.000	0.000		OK
ACO257	-	0	4.370	0.000	0.000		OK
DF257	60 min Summer	41	4.373	0.023	3.158		OK
PS557	60 min Summer	41	4.216	0.041	3.159		OK
PS83	1440 min Summer	1433	4.176	0.165	0.046		Surcharged
S134	1440 min Summer	1431	4.176	0.818	1.485		Surcharged
S3	1440 min Summer	1433	4.175	0.950	1.516		Surcharged
RE205B	-	0	4.835	0.000	0.000		OK
ACO205	-	0	4.820	0.000	0.000		OK
PS805	-	0	4.750	0.000	0.000		OK
RWP205C	-	0	4.850	0.000	0.000		OK
RE205A	-	0	4.800	0.000	0.000		OK
RWP205G	15 min Summer	8	4.836	0.036	2.540		OK
PS644	15 min Summer	8	4.744	0.044	2.524		OK
RWP204B	15 min Summer	8	4.840	0.040	3.687		OK
DF205	30 min Summer	23	4.728	0.028	2.302		OK
PS133	15 min Summer	9	4.574	0.054	6.143		OK
S10	15 min Summer	10	4.197	0.672	37.127		Surcharged
RWP207A	-	0	4.600	0.000	0.000		OK
RE207A	-	0	4.550	0.000	0.000		OK
RE207C	-	0	4.625	0.000	0.000		OK
ACO207	-	0	4.595	0.000	0.000		OK
PS809	-	0	4.500	0.000	0.000		OK
RWP207C	15 min Summer	8	4.631	0.031	2.540		OK
PS635	15 min Summer	8	4.444	0.044	2.527		OK
RE207B	-	0	4.600	0.000	0.000		OK
DF207	60 min Summer	40	4.495	0.020	2.030		OK
RWP206B	-	0	4.650	0.000	0.000		OK
PS137	60 min Summer	34	4.262	0.037	2.749		OK
RE206C	15 min Summer	8	4.791	0.041	2.540		OK
ACO206	-	0	4.745	0.000	0.000		OK
PS807	15 min Summer	8	4.688	0.038	2.521		OK
RWP206E	-	0	4.750	0.000	0.000		OK
RE206A	-	0	4.700	0.000	0.000		OK
RWP206C	-	0	4.700	0.000	0.000		OK
RE206B	-	0	4.650	0.000	0.000		OK
PS639	15 min Summer	9	4.644	0.044	2.471		OK
DF206	60 min Summer	41	4.674	0.024	2.033		OK
RWP205A	-	0	4.800	0.000	0.000		OK
PS135	60 min Summer	34	4.456	0.031	2.782		OK
S11	1440 min Summer	1432	4.175	0.750	0.561		Surcharged
RE208B	-	0	4.625	0.000	0.000		OK
PS813	-	0	4.515	0.000	0.000		OK
RWP208A	15 min Summer	8	4.506	0.006	0.033		OK
RE208A	15 min Summer	8	4.506	0.056	2.540		OK
RWP208C	-	0	4.550	0.000	0.000		OK
ACO208	-	0	4.520	0.000	0.000		OK
PS630	15 min Summer	9	4.460	0.025	2.477		OK
RWP208B	-	0	4.550	0.000	0.000		OK
RWP208I	-	0	4.550	0.000	0.000		OK
PS631	15 min Summer	9	4.233	0.033	2.484		OK
DF208	60 min Summer	40	4.319	0.019	2.011		OK
RWP209B	-	0	4.400	0.000	0.000		OK
PS139	1440 min Summer	1433	4.175	0.375	0.042		Surcharged
RE209B	-	0	4.425	0.000	0.000		OK
RWP209D	-	0	4.450	0.000	0.000		OK
ACO209	-	0	4.370	0.000	0.000		OK
RWP209C	-	0	4.400	0.000	0.000		OK
PS208	-	0	4.245	0.000	0.000		OK
DF209	60 min Summer	41	4.225	0.025	2.028		OK
RWP209A	-	0	4.400	0.000	0.000		OK
PS141	1440 min Summer	1431	4.175	0.150	0.029		Surcharged
S12	1440 min Summer	1431	4.175	0.885	0.722		Surcharged
S13	1440 min Summer	1431	4.175	0.975	0.710		Surcharged
S4	1440 min Summer	1433	4.175	1.000	2.211		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S5	1440 min Summer	1433	4.175	1.025	2.492		Flood Risk
S6	1440 min Summer	1434	4.175	1.175	2.425		Surcharged
S99	1440 min Summer	1434	4.175	1.200	2.319		Flood Risk
S7	15 min Summer	0	3.500	0.550	2.763		Outfall

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
1.000	15 min Summer	0	RE218A	PS785	0.000	0.000	0.000	0.000	OK
1.001	15 min Summer	11	PS785	PS784	0.012	0.000	0.000	0.000	OK
2.000	15 min Summer	11	RWP219C	PS784	0.012	0.000	0.000	0.000	OK
1.002	15 min Summer	11	PS784	PS92	0.051	0.312	0.801	0.122	OK
3.000	15 min Summer	10	RWP218A	PS92	0.043	0.000	0.000	0.000	OK
4.000	15 min Summer	16	DF218	PS92	0.073	1.390	2.040	0.034	OK
1.003	15 min Summer	11	PS92	S8	0.143	1.243	4.731	0.112	OK
5.000	15 min Summer	0	RE240B	PS797	0.000	0.000	0.000	0.000	OK
6.000	15 min Summer	0	RWP241B	PS797	0.000	0.000	0.000	0.000	OK
5.001	15 min Summer	9	PS797	PS795	0.050	0.000	0.000	0.000	OK
7.000	15 min Summer	8	RWP240A	RE240A	0.024	0.000	0.000	0.000	OK
7.001	15 min Summer	8	RE240A	PS795	0.049	1.171	4.463	0.482	OK
8.000	15 min Summer	0	RWP241A	PS795	0.000	0.000	0.000	0.000	OK
9.000	15 min Summer	9	GY240	PS795	0.075	0.000	0.000	0.000	OK
5.002	15 min Winter	13	PS795	S8	0.150	1.165	4.033	0.134	Surcharged
1.004	15 min Winter	8	S8	S9	0.300	1.272	68.505	0.691	Surcharged
10.000	15 min Summer	0	RWP216B	RE216A	0.000	0.000	0.000	0.000	OK
10.001	15 min Summer	11	RE216A	PS789	0.050	0.000	0.000	0.000	OK
11.000	15 min Summer	12	RWP214B	PS789	0.055	0.096	0.210	0.020	OK
10.002	15 min Summer	12	PS789	PS790	0.100	0.273	1.857	0.261	Surcharged
12.000	15 min Summer	9	RWP215A	PS790	0.050	0.000	0.000	0.000	OK
10.003	15 min Winter	13	PS790	PS96	0.100	0.455	2.726	0.404	Surcharged
13.000	15 min Summer	12	DF214	PS96	0.119	1.247	2.952	0.055	OK
14.000	15 min Summer	12	RWP214A	PS96	0.094	0.343	1.852	0.089	OK
10.004	15 min Winter	13	PS96	S9	0.150	1.113	6.632	0.180	Surcharged
15.000	15 min Summer	0	RWP245B	RE245	0.000	0.000	0.000	0.000	OK
15.001	15 min Summer	11	RE245	PS617	0.002	0.000	0.000	0.000	OK
15.002	15 min Summer	12	PS617	PS618	0.052	0.040	0.021	0.002	OK
15.003	15 min Winter	14	PS618	PS145	0.100	0.519	3.182	0.444	Surcharged
16.000	15 min Summer	12	DF245	PS145	0.150	1.191	3.348	0.086	Surcharged
15.004	15 min Winter	14	PS145	S9	0.150	1.268	8.436	0.192	Surcharged
1.005	15 min Winter	7	S9	S2	0.300	1.104	69.241	0.793	Surcharged
17.000	15 min Summer	9	RE259A	PS78	0.050	0.000	0.000	0.000	OK
18.000	15 min Summer	12	DF261	PS78	0.150	0.947	2.828	0.096	Surcharged
17.001	30 min Summer	21	PS78	PS76	0.150	0.703	4.920	0.160	Surcharged
19.000	15 min Summer	10	RE264A	PS75	0.050	0.000	0.000	0.000	OK
20.000	15 min Summer	16	DF263	PS75	0.085	1.183	1.856	0.052	OK
19.001	15 min Winter	12	PS75	PS76	0.150	0.781	2.665	0.052	Surcharged
17.002	15 min Winter	13	PS76	S2	0.150	1.053	9.547	0.363	Surcharged
21.000	30 min Summer	16	S1	S2	0.225	1.061	29.968	0.516	OK
1.006	15 min Winter	10	S2	S134	0.300	1.946	137.580	1.196	Surcharged
22.000	15 min Summer	0	RE261A	PS547	0.000	0.000	0.000	0.000	OK
23.000	15 min Summer	0	ACO259	PS547	0.000	0.000	0.000	0.000	OK
22.001	15 min Summer	10	PS547	PS80	0.050	0.000	0.000	0.000	OK
24.000	30 min Summer	23	DF258	PS80	0.086	0.934	2.118	0.048	OK
22.002	30 min Summer	23	PS80	PS81	0.150	0.788	3.932	0.200	Surcharged
25.000	15 min Summer	9	RE258A	PS81	0.050	0.000	0.000	0.000	OK
22.003	15 min Winter	15	PS81	S134	0.150	0.414	6.563	0.230	Surcharged
26.000	15 min Summer	8	RE211B	PS821	0.011	0.000	0.000	0.000	OK
27.000	15 min Summer	8	ACO211	PS821	0.011	0.000	0.000	0.000	OK
26.001	15 min Summer	10	PS821	PS822	0.047	0.051	0.146	0.017	OK
26.002	15 min Summer	8	PS822	PS169	0.072	0.983	5.915	0.869	OK
28.000	15 min Summer	12	PS168	PS169	0.081	0.845	2.358	0.071	OK
26.003	15 min Summer	12	PS169	PS167	0.143	1.064	7.378	0.285	OK
29.000	15 min Summer	0	RWP210D	RE210A	0.000	0.000	0.000	0.000	OK
29.001	15 min Summer	10	RE210A	PS815	0.050	0.000	0.000	0.000	OK
30.000	15 min Summer	0	RWP210F	RE210C	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
30.001	15 min Summer	12	RE210C	PS819	0.027	0.000	0.000	0.000	OK
31.000	15 min Summer	12	ACO210	PS819	0.027	0.000	0.000	0.000	OK
30.002	15 min Summer	13	PS819	PS815	0.077	0.261	1.296	0.087	OK
29.002	15 min Winter	14	PS815	PS167	0.100	0.233	1.566	0.244	Surcharged
32.000	15 min Summer	11	RE210B	PS167	0.097	1.291	5.935	0.605	OK
33.000	15 min Summer	13	DF210	PS167	0.113	0.909	2.281	0.044	OK
26.004	30 min Summer	21	PS167	S134	0.150	1.446	10.691	0.271	Surcharged
34.000	15 min Summer	0	RE256A	PS556	0.000	0.000	0.000	0.000	OK
34.001	15 min Summer	11	PS556	PS83	0.050	0.000	0.000	0.000	OK
35.000	15 min Summer	0	RE257A	PS557	0.000	0.000	0.000	0.000	OK
36.000	15 min Summer	0	ACO257	PS557	0.000	0.000	0.000	0.000	OK
37.000	60 min Summer	41	DF257	PS557	0.032	1.168	3.159	0.051	OK
35.001	15 min Summer	18	PS557	PS83	0.088	0.965	2.627	0.126	OK
34.002	1440 min Summer	1130	PS83	S134	0.150	0.471	0.523	0.013	Surcharged
1.007	15 min Winter	13	S134	S3	0.300	2.080	147.045	1.204	Surcharged
1.008	15 min Winter	13	S3	S4	0.300	2.152	152.124	2.102	Surcharged
38.000	15 min Summer	0	RE205B	PS805	0.000	0.000	0.000	0.000	OK
39.000	15 min Summer	0	ACO205	PS805	0.000	0.000	0.000	0.000	OK
38.001	15 min Summer	8	PS805	PS644	0.022	0.000	0.000	0.000	OK
40.000	15 min Summer	0	RWP205C	RE205A	0.000	0.000	0.000	0.000	OK
40.001	15 min Summer	8	RE205A	PS644	0.022	0.000	0.000	0.000	OK
41.000	15 min Summer	8	RWP205G	PS644	0.040	0.850	2.524	0.285	OK
38.002	15 min Summer	9	PS644	PS133	0.044	0.744	2.484	0.407	OK
42.000	15 min Summer	8	RWP204B	PS133	0.040	1.251	3.669	0.337	OK
43.000	60 min Summer	39	DF205	PS133	0.036	0.760	2.244	0.074	OK
38.003	15 min Summer	9	PS133	S10	0.054	1.062	6.148	0.284	OK
38.004	15 min Winter	9	S10	S11	0.300	0.666	37.748	0.523	Surcharged
44.000	15 min Summer	0	RWP207A	RE207A	0.000	0.000	0.000	0.000	OK
44.001	15 min Summer	8	RE207A	PS635	0.022	0.000	0.000	0.000	OK
45.000	15 min Summer	0	RE207C	PS809	0.000	0.000	0.000	0.000	OK
46.000	15 min Summer	0	ACO207	PS809	0.000	0.000	0.000	0.000	OK
45.001	15 min Summer	8	PS809	PS635	0.022	0.000	0.000	0.000	OK
47.000	15 min Summer	8	RWP207C	PS635	0.038	0.936	2.527	0.208	OK
44.002	15 min Summer	9	PS635	PS137	0.044	0.737	2.484	0.412	OK
48.000	15 min Summer	0	RE207B	PS137	0.000	0.000	0.000	0.000	OK
49.000	60 min Summer	41	DF207	PS137	0.028	0.907	2.029	0.040	OK
50.000	15 min Summer	0	RWP206B	PS137	0.000	0.000	0.000	0.000	OK
44.003	15 min Summer	10	PS137	S11	0.042	0.795	2.551	0.125	OK
51.000	15 min Summer	8	RE206C	PS807	0.039	0.882	2.521	0.350	OK
52.000	15 min Summer	8	ACO206	PS807	0.019	0.000	0.000	0.000	OK
51.001	15 min Summer	8	PS807	PS639	0.041	0.838	2.503	0.297	OK
53.000	15 min Summer	0	RWP206E	RE206A	0.000	0.000	0.000	0.000	OK
53.001	15 min Summer	9	RE206A	PS639	0.022	0.000	0.000	0.000	OK
54.000	15 min Summer	0	RWP206C	RE206B	0.000	0.000	0.000	0.000	OK
54.001	15 min Summer	9	RE206B	PS639	0.022	0.000	0.000	0.000	OK
51.002	15 min Summer	9	PS639	PS135	0.044	0.755	2.500	0.402	OK
55.000	60 min Summer	41	DF206	PS135	0.027	0.944	2.034	0.057	OK
56.000	15 min Summer	0	RWP205A	PS135	0.000	0.000	0.000	0.000	OK
51.003	15 min Summer	10	PS135	S11	0.040	1.008	2.582	0.090	OK
38.005	15 min Winter	9	S11	S12	0.300	1.055	74.577	1.234	Surcharged
57.000	15 min Summer	0	RE208B	PS813	0.000	0.000	0.000	0.000	OK
57.001	15 min Summer	10	PS813	PS139	0.050	0.000	0.000	0.000	OK
58.000	15 min Summer	10	RWP208A	RE208A	0.031	0.022	0.040	0.002	OK
58.001	15 min Summer	9	RE208A	PS630	0.041	0.831	2.477	0.896	OK
59.000	15 min Summer	9	RWP208C	PS630	0.012	0.000	0.000	0.000	OK
60.000	15 min Summer	9	ACO208	PS630	0.012	0.000	0.000	0.000	OK
58.002	15 min Summer	9	PS630	PS631	0.029	1.318	2.484	0.133	OK
61.000	15 min Summer	9	RWP208B	PS631	0.017	0.000	0.000	0.000	OK
62.000	15 min Summer	9	RWP208I	PS631	0.017	0.000	0.000	0.000	OK
58.003	15 min Summer	10	PS631	PS139	0.066	1.079	2.492	0.240	OK
63.000	15 min Summer	18	DF208	PS139	0.081	0.906	1.689	0.029	OK
64.000	15 min Summer	10	RWP209B	PS139	0.050	0.000	0.000	0.000	OK
57.002	180 min Summer	146	PS139	S12	0.150	0.672	2.036	0.107	Surcharged
65.000	15 min Summer	0	RE209B	PS208	0.000	0.000	0.000	0.000	OK
66.000	15 min Summer	0	RWP209D	PS208	0.000	0.000	0.000	0.000	OK
67.000	15 min Summer	0	ACO209	PS208	0.000	0.000	0.000	0.000	OK
68.000	15 min Summer	0	RWP209C	PS208	0.000	0.000	0.000	0.000	OK
65.001	1440 min Summer	1408	PS208	PS141	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
69.000	1440 min Summer	1408	DF209	PS141	0.077	0.492	0.331	0.010	OK
70.000	1440 min Summer	1408	RWP209A	PS141	0.050	0.000	0.000	0.000	OK
65.002	1440 min Summer	1408	PS141	S12	0.150	0.407	0.331	0.018	Surcharged
38.006	15 min Winter	10	S12	S13	0.300	1.207	85.290	1.269	Surcharged
38.007	15 min Winter	10	S13	S4	0.300	1.192	84.224	1.207	Surcharged
1.009	15 min Winter	11	S4	S5	0.300	3.272	231.293	3.288	Surcharged
1.010	60 min Winter	44	S5	S6	0.600	1.426	181.796	0.461	Surcharged
1.011	60 min Summer	39	S6	S99	0.300	0.044	3.144	0.041	Surcharged
1.012	480 min Winter	1683	S99	S7	0.225	0.070	2.771	0.066	OK

Permeable Paving Storage

Permeable Paving	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
Permeable Paving50	30 min Summer	23	5.425	0.048	2.410		OK
Permeable Paving52	30 min Summer	23	5.149	0.047	2.258		OK
Permeable Paving69	30 min Summer	23	5.145	0.047	2.313		OK
Permeable Paving44	30 min Summer	23	4.956	0.045	2.057		OK
Permeable Paving43	30 min Summer	23	5.157	0.045	2.051		OK
Permeable Paving45	30 min Summer	23	4.823	0.045	2.093		OK
Permeable Paving85	30 min Summer	24	4.394	0.051	1.649		OK
Permeable Paving78	30 min Summer	23	4.434	0.043	1.854		OK
Permeable Paving46	60 min Summer	41	4.572	0.059	3.056		OK
Permeable Paving63	30 min Summer	23	4.943	0.048	2.386		OK
Permeable Paving84	60 min Summer	40	4.621	0.057	2.096		OK
Permeable Paving83	60 min Summer	40	4.788	0.057	2.103		OK
Permeable Paving82	60 min Summer	40	4.449	0.057	2.067		OK
Permeable Paving81	60 min Summer	40	4.344	0.057	2.097		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
RE218A	-	0	5.250	0.000	0.000		OK
PS785	-	0	5.150	0.000	0.000		OK
RWP219C	-	0	5.275	0.000	0.000		OK
PS784	-	0	5.045	0.000	0.000		OK
RWP218A	-	0	5.450	0.000	0.000		OK
DF218	30 min Summer	24	5.219	0.019	1.975		OK
PS92	30 min Summer	24	4.967	0.022	1.975		OK
RE240B	-	0	5.425	0.000	0.000		OK
RWP241B	-	0	5.450	0.000	0.000		OK
PS797	-	0	5.300	0.000	0.000		OK
RWP240A	-	0	5.450	0.000	0.000		OK
RE240A	15 min Summer	8	5.445	0.045	3.873		OK
RWP241A	-	0	5.475	0.000	0.000		OK
GY240	-	0	5.350	0.000	0.000		OK
PS795	15 min Summer	10	4.877	0.197	3.169		Surcharged
S8	15 min Summer	10	4.869	0.503	55.546		Surcharged
RWP216B	-	0	5.150	0.000	0.000		OK
RE216A	-	0	5.100	0.000	0.000		OK
RWP214B	-	0	5.000	0.000	0.000		OK
PS789	-	0	4.850	0.000	0.000		OK
RWP215A	-	0	5.150	0.000	0.000		OK
PS790	15 min Summer	11	4.797	0.097	0.000		OK
DF214	30 min Summer	24	4.944	0.019	1.893		OK
RWP214A	-	0	4.925	0.000	0.000		OK
PS96	15 min Summer	11	4.795	0.195	1.618		Surcharged
RWP245B	-	0	5.200	0.000	0.000		OK
RE245	-	0	5.100	0.000	0.000		OK
PS617	-	0	5.000	0.000	0.000		OK
PS618	15 min Summer	11	4.803	0.203	0.000		Surcharged
DF245	30 min Summer	24	4.848	0.023	1.923		OK
PS145	15 min Summer	11	4.797	0.322	1.929		Surcharged
S9	15 min Summer	11	4.792	0.716	60.464		Surcharged
RE259A	-	0	4.925	0.000	0.000		OK
DF261	30 min Summer	24	4.766	0.025	1.777		OK
PS78	15 min Summer	11	4.686	0.136	0.639		OK
RE264A	-	0	5.300	0.000	0.000		OK
DF263	30 min Summer	24	4.948	0.023	1.772		OK
PS75	15 min Summer	11	4.675	0.025	0.649		OK
PS76	15 min Summer	11	4.679	0.479	3.889		Surcharged
S1	15 min Summer	10	4.741	0.445	26.940		Surcharged
S2	15 min Summer	10	4.675	0.821	142.354		Surcharged
RE261A	-	0	4.800	0.000	0.000		OK
ACO259	-	0	4.795	0.000	0.000		OK
PS547	-	0	4.600	0.000	0.000		OK
DF258	30 min Summer	24	4.596	0.021	1.798		OK
PS80	15 min Summer	11	4.071	0.146	0.660		OK
RE258A	-	0	4.350	0.000	0.000		OK
PS81	15 min Summer	11	4.070	0.245	0.364		Surcharged
RE211B	-	0	4.375	0.000	0.000		OK
ACO211	-	0	4.370	0.000	0.000		OK
PS821	15 min Summer	8	4.314	0.014	0.044		OK
PS822	15 min Summer	8	4.315	0.065	5.202		OK
PS168	60 min Summer	37	4.173	0.023	1.738		OK
PS169	15 min Summer	9	4.100	0.050	6.319		OK
RWP210D	-	0	4.300	0.000	0.000		OK
RE210A	-	0	4.250	0.000	0.000		OK
RWP210F	-	0	4.300	0.000	0.000		OK
RE210C	-	0	4.275	0.000	0.000		OK
ACO210	-	0	4.220	0.000	0.000		OK
PS819	-	0	4.130	0.000	0.000		OK
PS815	15 min Summer	11	4.086	0.086	0.000		OK
RE210B	15 min Summer	8	4.152	0.052	5.202		OK
DF210	30 min Summer	23	4.118	0.018	1.662		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
PS167	15 min Summer	11	4.080	0.280	7.596		Surcharged
RE256A	-	0	4.350	0.000	0.000		OK
PS556	-	0	4.200	0.000	0.000		OK
RE257A	-	0	4.400	0.000	0.000		OK
ACO257	-	0	4.370	0.000	0.000		OK
DF257	60 min Summer	41	4.371	0.021	2.752		OK
PS557	60 min Summer	41	4.213	0.038	2.752		OK
PS83	15 min Summer	11	4.070	0.060	0.587		OK
S134	15 min Summer	11	4.069	0.712	138.822		Surcharged
S3	1440 min Summer	1267	4.068	0.843	1.575		Surcharged
RE205B	-	0	4.835	0.000	0.000		OK
ACO205	-	0	4.820	0.000	0.000		OK
PS805	-	0	4.750	0.000	0.000		OK
RWP205C	-	0	4.850	0.000	0.000		OK
RE205A	-	0	4.800	0.000	0.000		OK
RWP205G	15 min Summer	8	4.834	0.034	2.192		OK
PS644	15 min Summer	8	4.741	0.041	2.177		OK
RWP204B	15 min Summer	8	4.837	0.037	3.182		OK
DF205	30 min Summer	24	4.726	0.026	1.962		OK
PS133	15 min Summer	8	4.570	0.050	5.304		OK
S10	1440 min Summer	1261	4.068	0.543	0.265		Surcharged
RWP207A	-	0	4.600	0.000	0.000		OK
RE207A	-	0	4.550	0.000	0.000		OK
RE207C	-	0	4.625	0.000	0.000		OK
ACO207	-	0	4.595	0.000	0.000		OK
PS809	-	0	4.500	0.000	0.000		OK
RWP207C	15 min Summer	8	4.629	0.029	2.192		OK
PS635	15 min Summer	8	4.441	0.041	2.180		OK
RE207B	-	0	4.600	0.000	0.000		OK
DF207	60 min Summer	41	4.494	0.019	1.770		OK
RWP206B	-	0	4.650	0.000	0.000		OK
PS137	60 min Summer	34	4.259	0.034	2.387		OK
RE206C	15 min Summer	8	4.788	0.038	2.192		OK
ACO206	-	0	4.745	0.000	0.000		OK
PS807	15 min Summer	8	4.685	0.035	2.175		OK
RWP206E	-	0	4.750	0.000	0.000		OK
RE206A	-	0	4.700	0.000	0.000		OK
RWP206C	-	0	4.700	0.000	0.000		OK
RE206B	-	0	4.650	0.000	0.000		OK
PS639	15 min Summer	9	4.640	0.040	2.134		OK
DF206	60 min Summer	41	4.673	0.023	1.774		OK
RWP205A	-	0	4.800	0.000	0.000		OK
PS135	60 min Summer	34	4.454	0.029	2.416		OK
S11	1440 min Summer	1261	4.068	0.643	0.586		Surcharged
RE208B	-	0	4.625	0.000	0.000		OK
PS813	-	0	4.515	0.000	0.000		OK
RWP208A	15 min Summer	8	4.502	0.002	0.027		OK
RE208A	15 min Summer	8	4.503	0.053	2.192		OK
RWP208C	-	0	4.550	0.000	0.000		OK
ACO208	-	0	4.520	0.000	0.000		OK
PS630	15 min Summer	9	4.458	0.023	2.137		OK
RWP208B	-	0	4.550	0.000	0.000		OK
RWP208I	-	0	4.550	0.000	0.000		OK
PS631	15 min Summer	9	4.231	0.031	2.144		OK
DF208	60 min Summer	41	4.318	0.018	1.753		OK
RWP209B	-	0	4.400	0.000	0.000		OK
PS139	1440 min Summer	1260	4.068	0.268	0.043		Surcharged
RE209B	-	0	4.425	0.000	0.000		OK
RWP209D	-	0	4.450	0.000	0.000		OK
ACO209	-	0	4.370	0.000	0.000		OK
RWP209C	-	0	4.400	0.000	0.000		OK
PS208	-	0	4.245	0.000	0.000		OK
DF209	60 min Summer	41	4.223	0.023	1.770		OK
RWP209A	-	0	4.400	0.000	0.000		OK
PS141	1440 min Summer	1267	4.068	0.043	0.030		OK
S12	1440 min Summer	1269	4.068	0.778	0.733		Surcharged
S13	1440 min Summer	1262	4.068	0.868	0.745		Surcharged
S4	1440 min Summer	1262	4.068	0.893	2.303		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S5	1440 min Summer	1262	4.068	0.918	2.619		Flood Risk
S6	1440 min Summer	1268	4.068	1.068	2.617		Surcharged
S99	1440 min Summer	1268	4.068	1.093	2.607		Flood Risk
S7	15 min Summer	0	3.500	0.550	2.763		Outfall

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
1.000	15 min Summer	0	RE218A	PS785	0.000	0.000	0.000	0.000	OK
1.001	15 min Summer	0	PS785	PS784	0.000	0.000	0.000	0.000	OK
2.000	15 min Summer	0	RWP219C	PS784	0.000	0.000	0.000	0.000	OK
1.002	15 min Summer	0	PS784	PS92	0.000	0.000	0.000	0.000	OK
3.000	15 min Summer	0	RWP218A	PS92	0.000	0.000	0.000	0.000	OK
4.000	30 min Summer	24	DF218	PS92	0.020	1.377	1.975	0.033	OK
1.003	30 min Summer	24	PS92	S8	0.084	1.230	1.974	0.047	OK
5.000	15 min Summer	0	RE240B	PS797	0.000	0.000	0.000	0.000	OK
6.000	15 min Summer	0	RWP241B	PS797	0.000	0.000	0.000	0.000	OK
5.001	15 min Summer	10	PS797	PS795	0.050	0.000	0.000	0.000	OK
7.000	15 min Summer	8	RWP240A	RE240A	0.022	0.000	0.000	0.000	OK
7.001	15 min Summer	8	RE240A	PS795	0.045	1.128	3.851	0.416	OK
8.000	15 min Summer	0	RWP241A	PS795	0.000	0.000	0.000	0.000	OK
9.000	15 min Summer	10	GY240	PS795	0.075	0.000	0.000	0.000	OK
5.002	15 min Summer	12	PS795	S8	0.150	1.147	4.650	0.154	Surcharged
1.004	30 min Summer	17	S8	S9	0.300	1.258	63.063	0.636	Surcharged
10.000	15 min Summer	0	RWP216B	RE216A	0.000	0.000	0.000	0.000	OK
10.001	15 min Summer	0	RE216A	PS789	0.000	0.000	0.000	0.000	OK
11.000	15 min Summer	0	RWP214B	PS789	0.000	0.000	0.000	0.000	OK
10.002	15 min Summer	11	PS789	PS790	0.048	0.000	0.000	0.000	OK
12.000	15 min Summer	11	RWP215A	PS790	0.048	0.000	0.000	0.000	OK
10.003	15 min Summer	11	PS790	PS96	0.098	0.308	0.946	0.140	OK
13.000	15 min Summer	17	DF214	PS96	0.081	1.194	1.654	0.031	OK
14.000	15 min Summer	10	RWP214A	PS96	0.050	0.000	0.000	0.000	OK
10.004	15 min Summer	12	PS96	S9	0.150	1.059	4.827	0.131	Surcharged
15.000	15 min Summer	0	RWP245B	RE245	0.000	0.000	0.000	0.000	OK
15.001	15 min Summer	0	RE245	PS617	0.000	0.000	0.000	0.000	OK
15.002	15 min Summer	10	PS617	PS618	0.050	0.000	0.000	0.000	OK
15.003	15 min Winter	12	PS618	PS145	0.100	0.379	1.951	0.272	Surcharged
16.000	30 min Summer	24	DF245	PS145	0.084	1.183	1.923	0.050	OK
15.004	30 min Summer	20	PS145	S9	0.150	1.255	5.467	0.124	Surcharged
1.005	30 min Summer	15	S9	S2	0.300	1.086	67.727	0.776	Surcharged
17.000	15 min Summer	11	RE259A	PS78	0.043	0.000	0.000	0.000	OK
18.000	15 min Summer	17	DF261	PS78	0.076	0.899	1.561	0.053	OK
17.001	15 min Summer	12	PS78	PS76	0.143	0.658	4.360	0.142	OK
19.000	15 min Summer	0	RE264A	PS75	0.000	0.000	0.000	0.000	OK
20.000	30 min Summer	24	DF263	PS75	0.021	1.167	1.774	0.050	OK
19.001	15 min Summer	17	PS75	PS76	0.087	0.750	1.560	0.030	OK
17.002	15 min Winter	14	PS76	S2	0.150	1.002	8.311	0.316	Surcharged
21.000	15 min Winter	9	S1	S2	0.225	1.080	28.655	0.493	OK
1.006	15 min Winter	10	S2	S134	0.300	1.811	128.029	1.113	Surcharged
22.000	15 min Summer	0	RE261A	PS547	0.000	0.000	0.000	0.000	OK
23.000	15 min Summer	0	ACO259	PS547	0.000	0.000	0.000	0.000	OK
22.001	15 min Summer	11	PS547	PS80	0.048	0.000	0.000	0.000	OK
24.000	15 min Summer	17	DF258	PS80	0.079	0.856	1.578	0.036	OK
22.002	15 min Summer	13	PS80	PS81	0.148	0.749	3.769	0.191	OK
25.000	15 min Summer	9	RE258A	PS81	0.050	0.000	0.000	0.000	OK
22.003	15 min Winter	13	PS81	S134	0.150	0.868	4.593	0.161	Surcharged
26.000	15 min Summer	8	RE211B	PS821	0.007	0.000	0.000	0.000	OK
27.000	15 min Summer	8	ACO211	PS821	0.007	0.000	0.000	0.000	OK
26.001	15 min Summer	10	PS821	PS822	0.039	0.046	0.103	0.012	OK
26.002	15 min Summer	8	PS822	PS169	0.064	0.957	5.114	0.751	OK
28.000	15 min Summer	16	PS168	PS169	0.035	0.803	1.297	0.039	OK
26.003	15 min Summer	9	PS169	PS167	0.100	1.100	6.337	0.245	OK
29.000	15 min Summer	0	RWP210D	RE210A	0.000	0.000	0.000	0.000	OK
29.001	15 min Summer	11	RE210A	PS815	0.043	0.000	0.000	0.000	OK
30.000	15 min Summer	0	RWP210F	RE210C	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
30.001	15 min Summer	0	RE210C	PS819	0.000	0.000	0.000	0.000	OK
31.000	15 min Summer	0	ACO210	PS819	0.000	0.000	0.000	0.000	OK
30.002	15 min Summer	11	PS819	PS815	0.043	0.000	0.000	0.000	OK
29.002	15 min Summer	12	PS815	PS167	0.093	0.216	0.667	0.104	OK
32.000	15 min Summer	9	RE210B	PS167	0.075	1.246	5.184	0.529	OK
33.000	30 min Summer	23	DF210	PS167	0.084	0.762	1.661	0.032	OK
26.004	15 min Winter	9	PS167	S134	0.150	1.419	9.533	0.242	Surcharged
34.000	15 min Summer	0	RE256A	PS556	0.000	0.000	0.000	0.000	OK
34.001	15 min Summer	11	PS556	PS83	0.005	0.000	0.000	0.000	OK
35.000	15 min Summer	0	RE257A	PS557	0.000	0.000	0.000	0.000	OK
36.000	15 min Summer	0	ACO257	PS557	0.000	0.000	0.000	0.000	OK
37.000	60 min Summer	41	DF257	PS557	0.030	1.106	2.752	0.044	OK
35.001	15 min Summer	18	PS557	PS83	0.038	0.913	2.189	0.105	OK
34.002	15 min Summer	12	PS83	S134	0.105	1.205	2.463	0.062	OK
1.007	15 min Winter	12	S134	S3	0.300	1.928	136.280	1.116	Surcharged
1.008	15 min Winter	12	S3	S4	0.300	2.008	141.920	1.961	Surcharged
38.000	15 min Summer	0	RE205B	PS805	0.000	0.000	0.000	0.000	OK
39.000	15 min Summer	0	ACO205	PS805	0.000	0.000	0.000	0.000	OK
38.001	15 min Summer	8	PS805	PS644	0.020	0.000	0.000	0.000	OK
40.000	15 min Summer	0	RWP205C	RE205A	0.000	0.000	0.000	0.000	OK
40.001	15 min Summer	8	RE205A	PS644	0.020	0.000	0.000	0.000	OK
41.000	15 min Summer	8	RWP205G	PS644	0.037	0.818	2.177	0.246	OK
38.002	15 min Summer	9	PS644	PS133	0.041	0.715	2.145	0.351	OK
42.000	15 min Summer	8	RWP204B	PS133	0.037	1.202	3.166	0.291	OK
43.000	60 min Summer	40	DF205	PS133	0.034	0.736	1.957	0.064	OK
38.003	15 min Summer	8	PS133	S10	0.050	1.017	5.272	0.244	OK
38.004	30 min Summer	16	S10	S11	0.300	0.652	32.449	0.450	Surcharged
44.000	15 min Summer	0	RWP207A	RE207A	0.000	0.000	0.000	0.000	OK
44.001	15 min Summer	8	RE207A	PS635	0.020	0.000	0.000	0.000	OK
45.000	15 min Summer	0	RE207C	PS809	0.000	0.000	0.000	0.000	OK
46.000	15 min Summer	0	ACO207	PS809	0.000	0.000	0.000	0.000	OK
45.001	15 min Summer	8	PS809	PS635	0.020	0.000	0.000	0.000	OK
47.000	15 min Summer	8	RWP207C	PS635	0.035	0.902	2.180	0.180	OK
44.002	15 min Summer	9	PS635	PS137	0.041	0.708	2.145	0.356	OK
48.000	15 min Summer	0	RE207B	PS137	0.000	0.000	0.000	0.000	OK
49.000	60 min Summer	41	DF207	PS137	0.026	0.873	1.770	0.035	OK
50.000	15 min Summer	0	RWP206B	PS137	0.000	0.000	0.000	0.000	OK
44.003	60 min Summer	34	PS137	S11	0.034	0.780	2.389	0.117	OK
51.000	15 min Summer	8	RE206C	PS807	0.036	0.848	2.175	0.302	OK
52.000	15 min Summer	8	ACO206	PS807	0.017	0.000	0.000	0.000	OK
51.001	15 min Summer	9	PS807	PS639	0.037	0.807	2.159	0.256	OK
53.000	15 min Summer	0	RWP206E	RE206A	0.000	0.000	0.000	0.000	OK
53.001	15 min Summer	9	RE206A	PS639	0.020	0.000	0.000	0.000	OK
54.000	15 min Summer	0	RWP206C	RE206B	0.000	0.000	0.000	0.000	OK
54.001	15 min Summer	9	RE206B	PS639	0.020	0.000	0.000	0.000	OK
51.002	15 min Summer	9	PS639	PS135	0.040	0.726	2.159	0.347	OK
55.000	60 min Summer	41	DF206	PS135	0.026	0.909	1.774	0.049	OK
56.000	15 min Summer	0	RWP205A	PS135	0.000	0.000	0.000	0.000	OK
51.003	60 min Summer	34	PS135	S11	0.029	0.992	2.417	0.084	OK
38.005	15 min Winter	9	S11	S12	0.300	0.914	64.595	1.068	Surcharged
57.000	15 min Summer	0	RE208B	PS813	0.000	0.000	0.000	0.000	OK
57.001	360 min Summer	292	PS813	PS139	0.050	0.000	0.000	0.000	OK
58.000	15 min Summer	9	RWP208A	RE208A	0.027	0.009	0.016	0.001	OK
58.001	15 min Summer	8	RE208A	PS630	0.038	0.791	2.138	0.774	OK
59.000	15 min Summer	9	RWP208C	PS630	0.011	0.000	0.000	0.000	OK
60.000	15 min Summer	9	ACO208	PS630	0.011	0.000	0.000	0.000	OK
58.002	15 min Summer	9	PS630	PS631	0.027	1.264	2.144	0.115	OK
61.000	15 min Summer	9	RWP208B	PS631	0.015	0.000	0.000	0.000	OK
62.000	15 min Summer	9	RWP208I	PS631	0.015	0.000	0.000	0.000	OK
58.003	960 min Summer	559	PS631	PS139	0.053	0.511	0.188	0.018	OK
63.000	720 min Summer	440	DF208	PS139	0.078	0.542	0.474	0.008	OK
64.000	360 min Summer	292	RWP209B	PS139	0.050	0.000	0.000	0.000	OK
57.002	360 min Winter	290	PS139	S12	0.150	0.536	1.308	0.068	Surcharged
65.000	15 min Summer	0	RE209B	PS208	0.000	0.000	0.000	0.000	OK
66.000	15 min Summer	0	RWP209D	PS208	0.000	0.000	0.000	0.000	OK
67.000	15 min Summer	0	ACO209	PS208	0.000	0.000	0.000	0.000	OK
68.000	15 min Summer	0	RWP209C	PS208	0.000	0.000	0.000	0.000	OK
65.001	15 min Summer	0	PS208	PS141	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
69.000	60 min Summer	41	DF209	PS141	0.027	0.811	1.770	0.053	OK
70.000	15 min Summer	0	RWP209A	PS141	0.000	0.000	0.000	0.000	OK
65.002	1440 min Summer	1269	PS141	S12	0.085	0.387	0.284	0.015	OK
38.006	15 min Winter	10	S12	S13	0.300	1.053	74.404	1.107	Surcharged
38.007	15 min Winter	10	S13	S4	0.300	1.047	74.034	1.061	Surcharged
1.009	15 min Winter	11	S4	S5	0.300	3.003	212.263	3.017	Surcharged
1.010	60 min Winter	55	S5	S6	0.600	1.370	168.347	0.427	Surcharged
1.011	120 min Summer	71	S6	S99	0.300	0.042	2.952	0.039	Surcharged
1.012	1440 min Summer	2468	S99	S7	0.225	0.070	2.771	0.066	OK

Permeable Paving Storage

Permeable Paving	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
Permeable Paving50	30 min Summer	24	5.420	0.043	1.964		OK
Permeable Paving52	30 min Summer	24	5.144	0.042	1.840		OK
Permeable Paving69	30 min Summer	24	5.140	0.042	1.884		OK
Permeable Paving44	30 min Summer	23	4.951	0.040	1.862		OK
Permeable Paving43	30 min Summer	23	5.152	0.040	1.855		OK
Permeable Paving45	30 min Summer	23	4.819	0.040	1.894		OK
Permeable Paving85	60 min Summer	40	4.390	0.046	1.441		OK
Permeable Paving78	30 min Summer	23	4.430	0.038	1.677		OK
Permeable Paving46	60 min Summer	41	4.566	0.054	2.779		OK
Permeable Paving63	30 min Summer	24	4.938	0.043	1.945		OK
Permeable Paving84	60 min Summer	41	4.616	0.052	1.757		OK
Permeable Paving83	60 min Summer	41	4.783	0.052	1.763		OK
Permeable Paving82	60 min Summer	41	4.444	0.052	1.733		OK
Permeable Paving81	60 min Summer	41	4.339	0.052	1.757		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
RE218A	15 min Summer	11	5.373	0.123	1.164		Surcharged
PS785	15 min Summer	11	5.375	0.225	1.980		Surcharged
RWP219C	15 min Summer	11	5.378	0.103	0.000		Surcharged
PS784	15 min Summer	11	5.377	0.332	1.560		Surcharged
RWP218A	-	0	5.450	0.000	0.000		OK
DF218	15 min Summer	10	5.383	0.183	0.776		Surcharged
PS92	15 min Summer	10	5.382	0.437	7.093		Surcharged
RE240B	-	0	5.425	0.000	0.000		OK
RWP241B	-	0	5.450	0.000	0.000		OK
PS797	15 min Summer	10	5.384	0.084	2.410		OK
RWP240A	15 min Summer	8	5.456	0.006	0.030		OK
RE240A	15 min Summer	8	5.456	0.056	5.616		OK
RWP241A	-	0	5.475	0.000	0.000		OK
GY240	15 min Summer	10	5.394	0.044	0.945		OK
PS795	15 min Summer	10	5.394	0.714	4.517		Surcharged
S8	15 min Summer	10	5.392	1.026	79.397		Surcharged
RWP216B	15 min Summer	12	5.194	0.044	0.732		OK
RE216A	15 min Summer	12	5.195	0.095	1.335		OK
RWP214B	15 min Summer	12	5.196	0.196	0.062		Surcharged
PS789	15 min Summer	12	5.195	0.345	1.548		Surcharged
RWP215A	15 min Summer	11	5.200	0.050	0.568		OK
PS790	15 min Summer	11	5.200	0.500	4.488		Surcharged
DF214	15 min Summer	11	5.214	0.289	6.694		Surcharged
RWP214A	15 min Summer	11	5.219	0.294	0.000		Surcharged
PS96	15 min Summer	11	5.218	0.618	10.966		Surcharged
RWP245B	15 min Summer	12	5.226	0.026	0.000		OK
RE245	15 min Summer	12	5.230	0.130	1.386		Surcharged
PS617	15 min Summer	11	5.225	0.225	2.185		Surcharged
PS618	15 min Summer	11	5.236	0.636	2.087		Surcharged
DF245	15 min Summer	11	5.226	0.401	7.800		Surcharged
PS145	15 min Summer	11	5.236	0.761	9.179		Surcharged
S9	15 min Summer	10	5.260	1.184	97.726		Surcharged
RE259A	15 min Summer	11	5.081	0.156	0.108		Flood Risk
DF261	15 min Summer	11	5.054	0.313	10.102		Surcharged
PS78	15 min Summer	11	5.076	0.526	10.300		Surcharged
RE264A	-	0	5.300	0.000	0.000		OK
DF263	15 min Summer	11	5.116	0.191	1.340		Surcharged
PS75	15 min Summer	11	5.113	0.463	1.956		Surcharged
PS76	15 min Summer	11	5.109	0.909	9.422		Surcharged
S1	15 min Summer	10	5.298	1.003	39.023		Surcharged
S2	15 min Summer	10	5.149	1.295	177.719		Flood Risk
RE261A	-	0	4.800	0.000	0.000		OK
ACO259	-	0	4.795	0.000	0.000		OK
PS547	-	0	4.600	0.000	0.000		OK
DF258	30 min Summer	22	4.601	0.026	2.847		OK
PS80	1440 min Summer	1433	4.334	0.409	0.031		Surcharged
RE258A	-	0	4.350	0.000	0.000		OK
PS81	1440 min Summer	1433	4.334	0.509	0.031		Surcharged
RE211B	-	0	4.375	0.000	0.000		OK
ACO211	30 min Summer	20	4.372	0.002	0.038		OK
PS821	30 min Summer	20	4.371	0.071	0.000		OK
PS822	30 min Summer	20	4.371	0.121	2.644		Surcharged
PS168	30 min Summer	20	4.349	0.199	2.539		Surcharged
PS169	30 min Summer	20	4.348	0.298	5.311		Surcharged
RWP210D	60 min Summer	39	4.337	0.037	0.000		OK
RE210A	60 min Summer	39	4.337	0.087	0.059		OK
RWP210F	60 min Summer	39	4.336	0.036	0.000		OK
RE210C	60 min Summer	39	4.336	0.061	0.121		OK
ACO210	60 min Summer	39	4.335	0.115	0.000		Surcharged
PS819	60 min Summer	39	4.335	0.205	0.336		Surcharged
PS815	60 min Summer	39	4.335	0.335	0.552		Surcharged
RE210B	30 min Summer	19	4.358	0.258	3.560		Surcharged
DF210	30 min Summer	20	4.338	0.238	2.427		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
PS167	30 min Summer	20	4.337	0.537	10.681		Surcharged
RE256A	-	0	4.350	0.000	0.000		OK
PS556	1440 min Summer	1432	4.334	0.134	0.020		Surcharged
RE257A	-	0	4.400	0.000	0.000		OK
ACO257	-	0	4.370	0.000	0.000		OK
DF257	60 min Summer	40	4.376	0.026	4.177		OK
PS557	60 min Summer	37	4.336	0.161	3.946		Surcharged
PS83	1440 min Summer	1434	4.334	0.323	0.062		Surcharged
S134	1440 min Summer	1433	4.334	0.977	1.786		Surcharged
S3	1440 min Summer	1433	4.334	1.109	1.853		Flood Risk
RE205B	-	0	4.835	0.000	0.000		OK
ACO205	-	0	4.820	0.000	0.000		OK
PS805	15 min Summer	9	4.751	0.001	0.000		OK
RWP205C	-	0	4.850	0.000	0.000		OK
RE205A	-	0	4.800	0.000	0.000		OK
RWP205G	15 min Summer	8	4.841	0.041	3.179		OK
PS644	15 min Summer	8	4.750	0.050	3.160		OK
RWP204B	15 min Summer	8	4.845	0.045	4.615		OK
DF205	30 min Summer	22	4.732	0.032	3.090		OK
PS133	15 min Summer	9	4.582	0.062	7.764		OK
S10	15 min Summer	10	4.475	0.950	46.496		Surcharged
RWP207A	-	0	4.600	0.000	0.000		OK
RE207A	-	0	4.550	0.000	0.000		OK
RE207C	-	0	4.625	0.000	0.000		OK
ACO207	-	0	4.595	0.000	0.000		OK
PS809	-	0	4.500	0.000	0.000		OK
RWP207C	15 min Summer	8	4.635	0.035	3.179		OK
PS635	15 min Summer	10	4.452	0.052	2.592		OK
RE207B	-	0	4.600	0.000	0.000		OK
DF207	60 min Summer	39	4.498	0.023	2.684		OK
RWP206B	-	0	4.650	0.000	0.000		OK
PS137	15 min Summer	10	4.443	0.218	2.663		Surcharged
RE206C	15 min Summer	8	4.796	0.046	3.179		OK
ACO206	-	0	4.745	0.000	0.000		OK
PS807	15 min Summer	8	4.693	0.043	3.157		OK
RWP206E	-	0	4.750	0.000	0.000		OK
RE206A	-	0	4.700	0.000	0.000		OK
RWP206C	-	0	4.700	0.000	0.000		OK
RE206B	15 min Summer	9	4.650	0.000	0.000		OK
PS639	15 min Summer	9	4.650	0.050	3.089		OK
DF206	60 min Summer	40	4.678	0.028	2.687		OK
RWP205A	-	0	4.800	0.000	0.000		OK
PS135	60 min Summer	35	4.461	0.036	3.697		OK
S11	15 min Summer	10	4.442	1.017	96.513		Surcharged
RE208B	-	0	4.625	0.000	0.000		OK
PS813	-	0	4.515	0.000	0.000		OK
RWP208A	15 min Summer	8	4.513	0.013	0.038		OK
RE208A	15 min Summer	8	4.513	0.063	3.179		OK
RWP208C	-	0	4.550	0.000	0.000		OK
ACO208	-	0	4.520	0.000	0.000		OK
PS630	15 min Summer	9	4.463	0.028	3.095		OK
RWP208B	-	0	4.550	0.000	0.000		OK
RWP208I	-	0	4.550	0.000	0.000		OK
PS631	1440 min Summer	1432	4.334	0.134	0.016		Surcharged
DF208	1440 min Summer	1432	4.334	0.034	0.035		OK
RWP209B	-	0	4.400	0.000	0.000		OK
PS139	1440 min Summer	1432	4.334	0.534	0.055		Surcharged
RE209B	-	0	4.425	0.000	0.000		OK
RWP209D	-	0	4.450	0.000	0.000		OK
ACO209	-	0	4.370	0.000	0.000		OK
RWP209C	-	0	4.400	0.000	0.000		OK
PS208	1440 min Summer	1432	4.334	0.089	0.011		OK
DF209	1440 min Summer	1431	4.334	0.134	0.043		OK
RWP209A	-	0	4.400	0.000	0.000		OK
PS141	1440 min Summer	1431	4.334	0.309	0.017		Surcharged
S12	1440 min Summer	1432	4.334	1.044	0.874		Surcharged
S13	1440 min Summer	1435	4.334	1.134	0.777		Flood Risk
S4	1440 min Summer	1435	4.334	1.159	2.504		Flood Risk

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S5	1440 min Summer	1435	4.334	1.184	2.794		Flood Risk
S6	1440 min Summer	1436	4.334	1.334	2.423		Flood Risk
S99	1440 min Summer	1436	4.334	1.359	2.431		Flood Risk
S7	15 min Summer	0	3.500	0.550	2.762		Outfall

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
1.000	15 min Summer	12	RE218A	PS785	0.100	0.204	1.604	0.263	Surcharged
1.001	15 min Winter	13	PS785	PS784	0.100	0.369	2.326	0.403	Surcharged
2.000	15 min Summer	12	RWP219C	PS784	0.100	0.307	1.821	0.065	Surcharged
1.002	15 min Winter	13	PS784	PS92	0.100	0.552	4.333	0.660	Surcharged
3.000	15 min Summer	9	RWP218A	PS92	0.050	0.000	0.000	0.000	OK
4.000	15 min Summer	12	DF218	PS92	0.150	1.492	4.365	0.073	Surcharged
1.003	30 min Summer	20	PS92	S8	0.150	1.323	9.575	0.226	Surcharged
5.000	15 min Summer	10	RE240B	PS797	0.042	0.000	0.000	0.000	OK
6.000	15 min Summer	10	RWP241B	PS797	0.042	0.000	0.000	0.000	OK
5.001	15 min Summer	11	PS797	PS795	0.092	0.263	1.963	0.150	OK
7.000	15 min Summer	10	RWP240A	RE240A	0.031	0.023	0.022	0.002	OK
7.001	15 min Summer	10	RE240A	PS795	0.076	1.235	5.555	0.600	OK
8.000	15 min Summer	10	RWP241A	PS795	0.050	0.000	0.000	0.000	OK
9.000	15 min Summer	11	GY240	PS795	0.097	0.245	2.471	0.024	OK
5.002	30 min Summer	19	PS795	S8	0.150	1.128	5.190	0.172	Surcharged
1.004	15 min Winter	7	S8	S9	0.300	1.247	74.185	0.748	Surcharged
10.000	15 min Summer	13	RWP216B	RE216A	0.069	0.168	0.833	0.055	OK
10.001	15 min Summer	13	RE216A	PS789	0.097	0.203	1.354	0.137	OK
11.000	15 min Winter	15	RWP214B	PS789	0.100	0.285	1.802	0.174	Surcharged
10.002	15 min Winter	15	PS789	PS790	0.100	0.472	3.703	0.520	Surcharged
12.000	15 min Summer	13	RWP215A	PS790	0.075	0.187	0.818	0.018	OK
10.003	15 min Winter	16	PS790	PS96	0.100	0.941	7.391	1.095	Surcharged
13.000	30 min Summer	23	DF214	PS96	0.150	1.425	6.604	0.123	Surcharged
14.000	15 min Winter	15	RWP214A	PS96	0.100	0.478	2.928	0.141	Surcharged
10.004	15 min Winter	15	PS96	S9	0.150	1.249	17.237	0.468	Surcharged
15.000	15 min Summer	12	RWP245B	RE245	0.063	0.265	1.386	0.083	OK
15.001	30 min Summer	20	RE245	PS617	0.100	0.174	0.820	0.102	Surcharged
15.002	15 min Winter	14	PS617	PS618	0.100	0.306	2.246	0.210	Surcharged
15.003	15 min Winter	14	PS618	PS145	0.100	0.629	4.189	0.585	Surcharged
16.000	15 min Winter	15	DF245	PS145	0.150	1.374	7.559	0.195	Surcharged
15.004	15 min Winter	15	PS145	S9	0.150	1.432	13.618	0.309	Surcharged
1.005	15 min Winter	13	S9	S2	0.300	1.112	78.202	0.896	Surcharged
17.000	15 min Winter	14	RE259A	PS78	0.100	0.225	1.095	0.120	Surcharged
18.000	15 min Winter	15	DF261	PS78	0.150	1.188	8.236	0.280	Surcharged
17.001	15 min Winter	15	PS78	PS76	0.150	0.881	10.371	0.337	Surcharged
19.000	15 min Summer	9	RE264A	PS75	0.050	0.000	0.000	0.000	OK
20.000	15 min Summer	12	DF263	PS75	0.150	1.270	3.791	0.106	Surcharged
19.001	15 min Winter	16	PS75	PS76	0.150	0.707	6.940	0.134	Surcharged
17.002	15 min Winter	16	PS76	S2	0.150	1.142	18.393	0.699	Surcharged
21.000	15 min Winter	9	S1	S2	0.225	1.066	36.149	0.623	OK
1.006	15 min Winter	10	S2	S134	0.300	2.155	152.312	1.324	Surcharged
22.000	15 min Summer	0	RE261A	PS547	0.000	0.000	0.000	0.000	OK
23.000	15 min Summer	0	ACO259	PS547	0.000	0.000	0.000	0.000	OK
22.001	15 min Summer	9	PS547	PS80	0.050	0.000	0.000	0.000	OK
24.000	30 min Summer	22	DF258	PS80	0.088	0.847	2.846	0.064	OK
22.002	15 min Winter	18	PS80	PS81	0.150	0.777	5.424	0.276	Surcharged
25.000	15 min Summer	8	RE258A	PS81	0.050	0.000	0.000	0.000	OK
22.003	15 min Winter	18	PS81	S134	0.150	0.407	7.201	0.252	Surcharged
26.000	30 min Summer	20	RE211B	PS821	0.036	0.000	0.000	0.000	OK
27.000	30 min Summer	21	ACO211	PS821	0.037	0.028	0.005	0.000	OK
26.001	30 min Summer	23	PS821	PS822	0.086	0.088	0.380	0.043	OK
26.002	30 min Summer	19	PS822	PS169	0.100	0.995	6.655	0.978	Surcharged
28.000	60 min Summer	35	PS168	PS169	0.150	0.797	4.329	0.130	Surcharged
26.003	15 min Winter	10	PS169	PS167	0.150	1.085	8.468	0.328	Surcharged
29.000	60 min Summer	41	RWP210D	RE210A	0.062	0.106	0.289	0.024	OK
29.001	60 min Summer	41	RE210A	PS815	0.093	0.100	0.612	0.063	OK
30.000	60 min Summer	40	RWP210F	RE210C	0.049	0.135	0.209	0.021	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
30.001	60 min Summer	41	RE210C	PS819	0.081	0.142	0.776	0.091	OK
31.000	60 min Summer	43	ACO210	PS819	0.100	0.130	0.726	0.063	Surcharged
30.002	30 min Summer	26	PS819	PS815	0.100	0.228	1.790	0.120	Surcharged
29.002	15 min Winter	16	PS815	PS167	0.100	0.370	2.906	0.452	Surcharged
32.000	15 min Winter	9	RE210B	PS167	0.100	1.270	6.453	0.658	Surcharged
33.000	15 min Winter	16	DF210	PS167	0.150	0.891	3.347	0.065	Surcharged
26.004	15 min Winter	16	PS167	S134	0.150	1.549	14.457	0.367	Surcharged
34.000	15 min Summer	11	RE256A	PS556	0.050	0.000	0.000	0.000	OK
34.001	60 min Summer	42	PS556	PS83	0.100	0.107	0.674	0.107	Surcharged
35.000	15 min Summer	11	RE257A	PS557	0.050	0.000	0.000	0.000	OK
36.000	15 min Summer	11	ACO257	PS557	0.050	0.000	0.000	0.000	OK
37.000	60 min Summer	40	DF257	PS557	0.088	1.262	4.178	0.067	OK
35.001	60 min Summer	42	PS557	PS83	0.150	1.016	4.831	0.232	Surcharged
34.002	15 min Winter	17	PS83	S134	0.150	0.472	6.540	0.166	Surcharged
1.007	15 min Winter	14	S134	S3	0.300	2.233	157.826	1.292	Surcharged
1.008	15 min Winter	13	S3	S4	0.300	2.306	163.015	2.252	Surcharged
38.000	15 min Summer	9	RE205B	PS805	0.000	0.000	0.000	0.000	OK
39.000	15 min Summer	9	ACO205	PS805	0.000	0.000	0.000	0.000	OK
38.001	15 min Summer	9	PS805	PS644	0.025	0.004	0.001	0.000	OK
40.000	15 min Summer	0	RWP205C	RE205A	0.000	0.000	0.000	0.000	OK
40.001	15 min Summer	8	RE205A	PS644	0.025	0.000	0.000	0.000	OK
41.000	15 min Summer	8	RWP205G	PS644	0.046	0.902	3.160	0.357	OK
38.002	15 min Summer	8	PS644	PS133	0.050	0.787	3.109	0.509	OK
42.000	15 min Summer	8	RWP204B	PS133	0.045	1.328	4.593	0.422	OK
43.000	60 min Summer	38	DF205	PS133	0.042	0.812	2.958	0.097	OK
38.003	15 min Summer	9	PS133	S10	0.062	1.131	7.763	0.359	OK
38.004	15 min Winter	9	S10	S11	0.300	0.674	46.585	0.645	Surcharged
44.000	15 min Summer	0	RWP207A	RE207A	0.000	0.000	0.000	0.000	OK
44.001	15 min Summer	10	RE207A	PS635	0.026	0.000	0.000	0.000	OK
45.000	15 min Summer	0	RE207C	PS809	0.000	0.000	0.000	0.000	OK
46.000	15 min Summer	0	ACO207	PS809	0.000	0.000	0.000	0.000	OK
45.001	15 min Summer	10	PS809	PS635	0.026	0.000	0.000	0.000	OK
47.000	15 min Summer	8	RWP207C	PS635	0.043	0.992	3.163	0.261	OK
44.002	15 min Summer	10	PS635	PS137	0.076	0.778	3.103	0.515	OK
48.000	15 min Summer	9	RE207B	PS137	0.050	0.000	0.000	0.000	OK
49.000	30 min Summer	24	DF207	PS137	0.083	0.982	2.651	0.053	OK
50.000	15 min Summer	9	RWP206B	PS137	0.050	0.000	0.000	0.000	OK
44.003	15 min Summer	11	PS137	S11	0.150	0.808	7.044	0.345	Surcharged
51.000	15 min Summer	8	RE206C	PS807	0.045	0.934	3.157	0.438	OK
52.000	15 min Summer	8	ACO206	PS807	0.021	0.000	0.000	0.000	OK
51.001	15 min Summer	8	PS807	PS639	0.046	0.885	3.134	0.371	OK
53.000	15 min Summer	0	RWP206E	RE206A	0.000	0.000	0.000	0.000	OK
53.001	15 min Summer	9	RE206A	PS639	0.025	0.000	0.000	0.000	OK
54.000	15 min Summer	9	RWP206C	RE206B	0.000	0.000	0.000	0.000	OK
54.001	15 min Summer	9	RE206B	PS639	0.025	0.000	0.000	0.000	OK
51.002	15 min Summer	9	PS639	PS135	0.050	0.800	3.123	0.502	OK
55.000	60 min Summer	40	DF206	PS135	0.032	1.018	2.689	0.075	OK
56.000	15 min Summer	0	RWP205A	PS135	0.000	0.000	0.000	0.000	OK
51.003	30 min Summer	18	PS135	S11	0.093	1.103	3.653	0.127	OK
38.005	30 min Summer	17	S11	S12	0.300	1.266	89.497	1.480	Surcharged
57.000	15 min Summer	0	RE208B	PS813	0.000	0.000	0.000	0.000	OK
57.001	15 min Summer	9	PS813	PS139	0.050	0.000	0.000	0.000	OK
58.000	15 min Summer	11	RWP208A	RE208A	0.038	0.028	0.045	0.003	OK
58.001	15 min Summer	8	RE208A	PS630	0.046	0.893	3.103	1.123	OK
59.000	15 min Summer	9	RWP208C	PS630	0.014	0.000	0.000	0.000	OK
60.000	15 min Summer	9	ACO208	PS630	0.014	0.000	0.000	0.000	OK
58.002	1440 min Winter	1076	PS630	PS631	0.052	0.542	0.126	0.007	OK
61.000	960 min Summer	882	RWP208B	PS631	0.050	0.000	0.000	0.000	OK
62.000	960 min Summer	882	RWP208I	PS631	0.050	0.000	0.000	0.000	OK
58.003	1440 min Summer	1067	PS631	PS139	0.100	0.480	0.197	0.019	Surcharged
63.000	1440 min Summer	1432	DF208	PS139	0.092	0.450	0.408	0.007	OK
64.000	15 min Summer	9	RWP209B	PS139	0.050	0.000	0.000	0.000	OK
57.002	15 min Winter	14	PS139	S12	0.150	0.690	6.682	0.350	Surcharged
65.000	1440 min Summer	1432	RE209B	PS208	0.044	0.000	0.000	0.000	OK
66.000	1440 min Summer	1432	RWP209D	PS208	0.044	0.000	0.000	0.000	OK
67.000	1440 min Summer	1432	ACO209	PS208	0.044	0.000	0.000	0.000	OK
68.000	1440 min Summer	1432	RWP209C	PS208	0.044	0.000	0.000	0.000	OK
65.001	1440 min Summer	1915	PS208	PS141	0.094	0.013	0.065	0.008	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
69.000	1440 min Summer	1434	DF209	PS141	0.142	0.524	0.414	0.012	OK
70.000	360 min Summer	295	RWP209A	PS141	0.050	0.000	0.000	0.000	OK
65.002	480 min Summer	341	PS141	S12	0.150	0.557	0.952	0.051	Surcharged
38.006	15 min Winter	10	S12	S13	0.300	1.437	101.575	1.512	Surcharged
38.007	15 min Winter	10	S13	S4	0.300	1.411	99.740	1.430	Surcharged
1.009	15 min Winter	11	S4	S5	0.300	3.674	259.699	3.692	Surcharged
1.010	30 min Winter	26	S5	S6	0.600	1.851	281.833	0.714	Surcharged
1.011	60 min Summer	36	S6	S99	0.300	0.049	3.434	0.045	Surcharged
1.012	960 min Winter	449	S99	S7	0.225	0.070	2.771	0.066	OK

Permeable Paving Storage

Permeable Paving	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
Permeable Paving50	30 min Summer	22	5.435	0.058	3.277		OK
Permeable Paving52	15 min Summer	13	5.195	0.092	3.796		OK
Permeable Paving69	15 min Summer	12	5.199	0.101	5.003		OK
Permeable Paving44	30 min Summer	21	5.038	0.127	3.274		OK
Permeable Paving43	30 min Summer	22	5.167	0.054	2.788		OK
Permeable Paving45	30 min Summer	22	4.833	0.055	2.846		OK
Permeable Paving85	30 min Summer	23	4.405	0.062	2.174		OK
Permeable Paving78	30 min Summer	22	4.443	0.052	2.520		OK
Permeable Paving46	60 min Summer	40	4.584	0.071	4.005		OK
Permeable Paving63	30 min Summer	22	4.953	0.058	3.244		OK
Permeable Paving84	60 min Summer	39	4.632	0.069	2.788		OK
Permeable Paving83	60 min Summer	39	4.800	0.069	2.797		OK
Permeable Paving82	60 min Summer	39	4.461	0.069	2.749		OK
Permeable Paving81	60 min Summer	39	4.356	0.069	2.789		OK