

Network Details

Manhole Schedule

Manhole	Catchment Area (ha)	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
RWP228A	0.000	0.180	Type E	5.701	5.150	0.451	488618.042	97803.657
RE228A	0.000	0.180	Type E	5.708	5.100	0.508	488617.384	97802.535
RWP228C	0.000	0.180	Type E	5.697	5.150	0.447	488606.297	97803.821
RE228B	0.000	0.180	Type E	5.666	5.100	0.466	488606.491	97802.728
PS777	0.000	0.250	250	5.698	5.015	0.583	488611.651	97808.116
PS834	0.000	0.250	250	5.688	5.000	0.588	488611.092	97810.021
DF228	0.008	0.180	Type E	5.640	4.975	0.515	488618.387	97819.470
PS111	0.000	0.450	Type E	5.714	4.750	0.814	488621.212	97820.066
S28	0.044	1.350	Type C	5.709	4.300	1.184	488627.950	97820.432
ACO235	0.000	0.180	Type E	5.523	4.970	0.453	488651.189	97842.602
RWP235C	0.000	0.180	Type E	5.550	5.000	0.450	488650.382	97839.961
RE235A	0.005	0.180	Type E	5.566	4.875	0.591	488650.888	97839.145
DF235	0.007	0.180	Type E	5.587	4.800	0.637	488645.101	97834.738
RWP235A	0.000	0.180	Type E	5.563	5.000	0.463	488641.880	97836.173
PS107	0.000	0.450	Type E	5.628	4.700	0.778	488641.449	97835.167
S54	0.000	1.350	Type C	5.648	4.350	1.073	488638.802	97832.619
RWP239B	0.000	0.180	Type E	5.933	5.375	0.458	488669.182	97814.948
RE239B	0.000	0.180	Type E	5.974	5.350	0.524	488670.245	97815.388
RWP238B	0.000	0.180	Type E	5.925	5.375	0.450	488661.763	97822.638
PS253	0.000	0.250	250	5.913	5.225	0.588	488662.676	97822.784
RE236B	0.010	0.180	Type E	5.699	5.100	0.499	488654.428	97835.073
PS251	0.000	0.450	450	5.773	4.900	0.773	488659.634	97826.397
RE236A	0.000	0.180	Type E	5.737	5.100	0.537	488644.696	97829.284
DF237	0.007	0.180	Type E	5.826	5.100	0.626	488654.806	97821.659
PS109	0.000	0.450	450	5.878	4.750	1.028	488650.413	97820.462
RWP239A	0.000	0.180	Type E	5.936	5.375	0.461	488662.537	97808.428
RE239A	0.011	0.180	Type E	6.033	5.350	0.583	488661.524	97807.299
RWP238A	0.000	0.180	Type E	5.945	5.375	0.470	488655.048	97816.144
PS255	0.000	0.450	Type E	5.958	5.000	0.858	488653.830	97815.717
S53	0.016	1.350	Type C	5.861	4.250	1.386	488649.581	97816.924
DF226	0.007	0.180	Type E	5.777	5.175	0.502	488638.272	97798.884
RWP227B	0.000	0.180	Type E	5.793	5.225	0.468	488638.476	97802.746
PS115	0.000	0.450	Type E	5.893	4.900	0.893	488641.258	97803.197
S27	0.010	1.350	Type C	5.862	4.175	1.462	488647.976	97804.459
PS793	0.006	0.250	Unknown	5.907	5.200	0.607	488689.905	97798.608
RE221B	0.000	0.250	250	5.963	5.400	0.463	488676.537	97802.289
PS792	0.000	0.450	450	5.946	5.050	0.796	488680.536	97806.696
RWP220C	0.000	0.180	Type E	5.925	5.350	0.475	488690.946	97804.326
RE220A	0.010	0.180	Type E	5.908	5.200	0.608	488690.144	97803.529
DF220	0.008	0.180	Type E	5.860	5.200	0.510	488683.051	97807.119
RWP220A	0.000	0.180	Type E	5.935	5.350	0.485	488684.626	97811.251
PS782	0.000	0.450	450	5.950	4.850	0.950	488683.646	97811.042
DF240	0.007	0.180	Type E	5.927	5.225	0.602	488675.793	97824.712
PS143	0.000	0.450	Type E	6.085	5.150	0.835	488678.117	97822.195
S135	0.038	1.350	Type C	5.874	4.575	1.074	488677.686	97814.368
RE222A	0.000	0.180	Type E	5.842	5.275	0.467	488683.064	97791.494
RWP223E	0.003	0.180	Type E	5.775	5.200	0.475	488678.008	97784.166
PS798	0.015	0.250	250	5.795	5.150	0.545	488678.551	97786.137
ACO222	0.004	0.180	Type E	5.853	5.150	0.603	488675.447	97798.718
RWP222A	0.000	0.180	Type E	5.868	5.300	0.468	488674.819	97798.735
PS90	0.000	0.450	450	5.875	5.100	0.675	488674.169	97800.271
RWP223C	0.000	0.180	Type E	5.785	5.200	0.485	488667.965	97792.969
PS742	0.000	0.450	450	5.859	5.000	0.759	488668.018	97795.280
S151	0.000	1.350	Type C	5.712	4.100	1.387	488661.397	97795.409
RE223A	0.000	0.180	Type E	5.450	4.900	0.450	488683.293	97779.055
ACO224B	0.000	0.180	Type E	5.595	5.045	0.450	488668.627	97775.597
PS829	0.009	0.450	450	5.668	4.750	0.818	488669.104	97778.315
PS744	0.000	0.450	450	5.730	4.620	1.010	488659.060	97785.913
RWP225B	0.000	0.180	Type E	5.550	5.000	0.450	488661.374	97771.222
RE225A	0.000	0.180	Type E	5.544	4.950	0.494	488661.443	97770.643
PS830	0.000	0.250	250	5.539	4.850	0.589	488657.819	97765.801
GY225	0.000	0.250	250	5.487	4.875	0.462	488649.570	97769.326
PS746	0.000	0.450	450	5.578	4.400	1.028	488648.591	97772.761
PS745	0.000	0.450	Unknown	5.674	4.322	1.202	488654.865	97780.515

Manhole Schedule

Manhole	Catchment Area (ha)	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
S24	0.048	1.350	Type C	5.546	4.025	1.296	488651.428	97783.017
RE202A	0.000	0.180	Type E	5.315	4.700	0.515	488650.833	97755.642
PS666	0.000	0.450	450	5.379	4.500	0.779	488640.593	97760.996
RWP202B	0.000	0.180	Type E	5.339	4.700	0.539	488636.838	97751.837
PS667	0.000	0.450	450	5.336	4.250	0.936	488635.015	97752.842
S25	0.010	1.350	Type C	5.275	3.850	1.200	488631.555	97754.950
RWP204C	0.000	0.180	Type E	5.549	4.800	0.649	488680.588	97757.275
RE204A	0.000	0.180	Type E	5.540	4.750	0.690	488680.234	97757.707
RWP204G	0.000	0.180	Type E	5.549	4.800	0.649	488671.539	97752.485
ACO204	0.000	0.180	Type E	5.526	4.970	0.456	488677.052	97756.834
PS649	0.005	0.450	450	5.556	4.650	0.806	488675.600	97755.769
RWP204E	0.000	0.180	Type E	5.565	4.800	0.665	488682.264	97748.100
PS147	0.000	0.450	450	5.582	4.450	1.032	488682.005	97746.992
DF204	0.006	0.180	Type E	5.550	4.900	0.500	488678.791	97747.662
RWP203A	0.000	0.180	Type E	5.495	4.900	0.495	488671.134	97741.620
PS652	0.000	0.450	450	5.593	4.250	1.193	488672.507	97741.110
S14	0.029	1.350	Type C	5.325	4.000	1.100	488667.799	97733.433
RWP202D	0.000	0.180	Type E	5.325	4.700	0.525	488646.174	97748.014
DF202	0.005	0.180	Type E	5.267	4.600	0.517	488651.488	97746.582
PS151	0.013	0.450	Type E	5.436	4.450	0.836	488649.425	97742.672
S15	0.018	1.350	Type C	5.158	3.880	1.053	488642.234	97738.298
S26	0.049	1.350	Type C	5.146	3.800	1.121	488627.462	97746.864
RE201A	0.000	0.180	Type E	5.295	4.650	0.545	488628.484	97779.093
ACO201	0.000	0.180	Type E	5.222	4.670	0.452	488626.960	97771.775
PS669	0.000	0.450	450	5.250	4.500	0.650	488624.469	97772.134
YG201A	0.000	0.180	Type E	5.258	4.600	0.558	488623.546	97773.561
PS670	0.000	0.450	450	5.276	4.450	0.726	488622.609	97773.227
RWP201A	0.000	0.180	Type E	5.406	4.700	0.606	488630.504	97767.091
RE201B	0.000	0.180	Type E	5.438	4.650	0.688	488630.804	97766.657
PS678	0.000	0.450	450	5.403	4.500	0.803	488625.179	97757.372
RWP200D	0.000	0.180	Type E	5.335	4.700	0.535	488614.347	97763.683
PS157	0.000	0.450	450	5.268	4.275	0.893	488615.299	97761.422
RWP200C	0.000	0.180	Type E	5.475	4.900	0.475	488615.348	97783.502
RE200C	0.004	0.180	Type E	5.473	4.800	0.573	488616.079	97783.413
ACO200	0.000	0.180	Type E	5.295	4.745	0.450	488613.672	97776.690
PS799	0.000	0.250	250	5.325	4.725	0.500	488612.286	97777.012
RWP200F	0.000	0.180	Type E	5.482	4.900	0.482	488607.218	97780.963
RWP200A	0.000	0.180	Type E	5.367	4.800	0.467	488610.663	97776.336
PS200A	0.000	0.450	450	5.391	4.700	0.591	488609.844	97776.844
DF200	0.007	0.180	Type E	5.400	4.750	0.500	488604.784	97771.682
RWP200E	0.010	0.180	Type E	5.351	4.700	0.551	488606.408	97768.552
PS153	0.000	0.450	450	5.449	4.525	0.774	488604.424	97767.643
S131	0.008	1.350	Unknown	4.974	4.200	0.624	488601.163	97756.194
S132	0.000	1.350	Type C	5.192	3.723	1.097	488600.800	97762.325
RWP199A	0.000	0.180	Type E	5.625	4.700	0.825	488605.596	97779.594
PS680	0.000	0.450	450	5.468	4.525	0.843	488606.365	97781.042
RWP199C	0.000	0.180	Type E	5.475	4.700	0.675	488593.028	97788.191
PS681	0.000	0.450	450	5.472	4.375	0.997	488595.777	97787.522
RE200B	0.013	0.180	Type E	5.497	4.650	0.747	488599.878	97770.271
DF199	0.005	0.180	Type E	5.428	4.750	0.528	488587.355	97782.366
RWP199E	0.000	0.180	Type E	5.493	4.700	0.693	488592.933	97776.744
PS155	0.000	0.450	450	5.570	4.225	1.195	488588.840	97776.626
S16	0.020	1.350	Type C	5.338	3.666	1.297	488581.016	97773.798
DF231	0.005	0.180	Type E	5.559	4.900	0.509	488587.537	97855.979
PS101	0.000	0.450	450	5.551	4.800	0.601	488587.728	97860.161
RWP195F	0.000	0.180	Type E	5.303	4.700	0.503	488580.070	97852.398
GY195	0.006	0.180	Type E	5.379	4.775	0.454	488579.663	97860.999
PS98	0.010	0.450	450	5.401	4.400	0.851	488579.832	97859.349
PS100	0.000	0.450	450	5.210	4.325	0.735	488569.848	97858.383
S136	0.000	1.350	Type C	5.076	4.250	0.676	488562.084	97853.624
RWP196A	0.000	0.180	Type E	5.357	4.800	0.457	488574.502	97821.472
RE196B	0.000	0.180	Type E	5.390	4.650	0.640	488572.354	97822.727
DF196	0.007	0.180	Type E	5.274	4.500	0.624	488570.961	97835.366
PS44	0.010	0.450	450	5.361	4.350	0.861	488571.595	97828.836
S102	0.048	1.350	Type C	5.148	4.000	0.923	488564.709	97828.069
RWP197F	0.000	0.180	Type E	5.622	4.900	0.622	488595.753	97819.731
RE197B	0.002	0.180	Type E	5.620	4.850	0.670	488596.558	97816.232
DF197	0.005	0.180	Type E	5.515	4.750	0.615	488583.720	97820.444

Manhole Schedule

Manhole	Catchment Area (ha)	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
PS163	0.000	0.450	Type E	5.547	4.650	0.747	488584.425	97815.044
PS164	0.010	0.450	Type E	5.536	4.550	0.836	488573.977	97813.754
RWP197B	0.000	0.180	Type E	5.485	4.900	0.485	488577.524	97803.743
PS165	0.000	0.450	Type E	5.635	4.400	1.085	488574.279	97801.470
ACO198	0.000	0.180	Type E	5.595	5.045	0.450	488590.691	97788.764
RE198B	0.000	0.180	Type E	5.560	5.000	0.460	488590.377	97786.223
PS160	0.010	0.450	450	5.646	4.850	0.696	488581.666	97782.165
PS161	0.000	0.450	Type E	5.697	4.700	0.897	488576.380	97790.808
RE198A	0.004	0.180	Type E	5.614	4.900	0.614	488590.818	97805.892
RWP198E	0.000	0.180	Type E	5.619	5.075	0.444	488584.640	97802.420
PS683	0.000	0.450	450	5.557	4.800	0.657	488583.847	97802.736
DF198	0.009	0.180	Type E	5.543	4.775	0.618	488577.407	97801.028
PS159	0.000	0.450	450	5.683	4.600	0.983	488574.905	97795.627
S22	0.000	1.350	Type C	5.493	3.825	1.443	488568.590	97793.710
S17	0.000	1.350	Type C	5.426	3.631	1.431	488572.185	97784.741
S18	0.000	0.000	Type C	5.000	3.600	1.025	488564.217	97783.628
S19	0.078	0.000	Type C	5.000	3.550	1.075	488560.053	97784.185
S20	0.000	1.350	Type C	4.975	3.500	1.250	488557.958	97779.484
S21	0.000	0.000	Type C	3.750	3.000	0.525	488558.111	97770.779

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	RWP228A	5.150	RE228A	5.100	Circ	0.1mØ	1.300	26.0	0.600	0.451	0.508
1.001	RE228A	5.100	PS777	5.015	Circ	0.1mØ	8.000	94.1	0.600	0.508	0.583
2.000	RWP228C	5.150	RE228B	5.100	Circ	0.1mØ	1.110	22.2	0.600	0.447	0.466
2.001	RE228B	5.100	PS777	5.015	Circ	0.1mØ	7.461	87.8	0.600	0.466	0.583
1.002	PS777	5.015	PS834	5.000	Circ	0.1mØ	1.985	132.4	0.600	0.583	0.588
1.003	PS834	5.000	PS111	4.800	Circ	0.1mØ	14.259	71.3	0.600	0.588	0.814
3.000	DF228	4.975	PS111	4.750	Circ	0.15mØ	2.887	12.8	0.600	0.515	0.814
1.004	PS111	4.750	S28	4.375	Circ	0.15mØ	6.747	18.0	0.600	0.814	1.184
1.005	S28	4.300	S27	4.175	Circ	0.225mØ	25.616	204.9	0.600	1.184	1.462
4.000	ACO235	4.970	RE235A	4.875	Circ	0.1mØ	3.470	36.5	0.600	0.453	0.591
5.000	RWP235C	5.000	RE235A	4.875	Circ	0.1mØ	0.960	7.7	0.600	0.450	0.591
4.001	RE235A	4.875	PS107	4.750	Circ	0.1mØ	10.244	81.9	0.600	0.591	0.778
6.000	DF235	4.800	PS107	4.700	Circ	0.15mØ	3.677	36.8	0.600	0.637	0.778
7.000	RWP235A	5.000	PS107	4.750	Circ	0.1mØ	1.095	4.4	0.600	0.463	0.778
4.002	PS107	4.700	S54	4.425	Circ	0.15mØ	3.674	13.4	0.600	0.778	1.073
4.003	S54	4.350	S53	4.250	Circ	0.225mØ	19.040	190.4	0.600	1.073	1.386
8.000	RWP239B	5.375	RE239B	5.350	Circ	0.1mØ	1.150	46.0	0.600	0.458	0.524
8.001	RE239B	5.350	PS253	5.225	Circ	0.1mØ	10.583	84.7	0.600	0.524	0.588
9.000	RWP238B	5.375	PS253	5.225	Circ	0.1mØ	0.925	6.2	0.600	0.450	0.588
8.002	PS253	5.225	PS251	4.900	Circ	0.1mØ	4.723	14.5	0.600	0.588	0.773
10.000	RE236B	5.100	PS251	4.900	Circ	0.1mØ	10.118	50.6	0.600	0.499	0.773
8.003	PS251	4.900	PS109	4.750	Circ	0.1mØ	10.966	73.1	0.600	0.773	1.028
11.000	RE236A	5.100	PS109	4.750	Circ	0.1mØ	10.512	30.0	0.600	0.537	1.028
12.000	DF237	5.100	PS109	4.750	Circ	0.1mØ	4.554	13.0	0.600	0.626	1.028
8.004	PS109	4.750	S53	4.375	Circ	0.1mØ	3.634	9.7	0.600	1.028	1.386
13.000	RWP239A	5.375	RE239A	5.350	Circ	0.1mØ	1.517	60.7	0.600	0.461	0.583
13.001	RE239A	5.350	PS255	5.000	Circ	0.1mØ	11.404	32.6	0.600	0.583	0.858
14.000	RWP238A	5.375	PS255	5.000	Circ	0.1mØ	1.291	3.4	0.600	0.470	0.858
13.002	PS255	5.000	S53	4.375	Circ	0.1mØ	4.417	7.1	0.600	0.858	1.386
4.004	S53	4.250	S27	4.175	Circ	0.225mØ	12.568	167.6	0.600	1.386	1.462
15.000	DF226	5.175	PS115	4.900	Circ	0.1mØ	5.246	19.1	0.600	0.502	0.893
16.000	RWP227B	5.225	PS115	4.900	Circ	0.1mØ	2.818	8.7	0.600	0.468	0.893
15.001	PS115	4.900	S27	4.300	Circ	0.1mØ	6.836	11.4	0.600	0.893	1.462
1.006	S27	4.175	S151	4.100	Circ	0.225mØ	16.187	215.8	0.600	1.462	1.387
17.000	PS793	5.200	PS792	5.050	Circ	0.1mØ	12.377	82.5	0.600	0.607	0.796
18.000	RE221B	5.400	PS792	5.050	Circ	0.1mØ	5.951	17.0	0.600	0.463	0.796
17.001	PS792	5.050	PS782	4.900	Circ	0.1mØ	5.344	35.6	0.600	0.796	0.950
19.000	RWP220C	5.350	RE220A	5.200	Circ	0.1mØ	1.131	7.5	0.600	0.475	0.608
19.001	RE220A	5.200	PS782	4.900	Circ	0.1mØ	9.933	33.1	0.600	0.608	0.950
20.000	DF220	5.200	PS782	4.850	Circ	0.15mØ	3.968	11.3	0.600	0.510	0.950
21.000	RWP220A	5.350	PS782	4.900	Circ	0.1mØ	1.002	2.2	0.600	0.485	0.950
17.002	PS782	4.850	S135	4.650	Circ	0.15mØ	6.824	34.1	0.600	0.950	1.074

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)
22.000	DF240	5.225	PS143	5.150	Circ	0.1mØ	3.426	45.7	0.600	0.602	0.835
22.001	PS143	5.150	S135	4.700	Circ	0.1mØ	7.839	17.4	0.600	0.835	1.074
17.003	S135	4.575	S151	4.100	Circ	0.225mØ	24.995	52.6	0.600	1.074	1.387
23.000	RE222A	5.275	PS798	5.150	Circ	0.1mØ	7.005	56.0	0.600	0.467	0.545
24.000	RWP223E	5.200	PS798	5.150	Circ	0.1mØ	2.045	40.9	0.600	0.475	0.545
23.001	PS798	5.150	PS742	5.000	Circ	0.1mØ	13.948	93.0	0.600	0.545	0.759
25.000	ACO222	5.150	PS90	5.100	Circ	0.1mØ	2.012	40.2	0.600	0.603	0.675
26.000	RWP222A	5.300	PS90	5.100	Circ	0.1mØ	1.668	8.3	0.600	0.468	0.675
25.001	PS90	5.100	PS742	5.000	Circ	0.1mØ	7.921	79.2	0.600	0.675	0.759
27.000	RWP223C	5.200	PS742	5.000	Circ	0.1mØ	2.312	11.6	0.600	0.485	0.759
23.002	PS742	5.000	S151	4.225	Circ	0.1mØ	6.622	8.5	0.600	0.759	1.387
1.007	S151	4.100	S24	4.025	Circ	0.225mØ	15.904	212.1	0.600	1.387	1.296
28.000	RE223A	4.900	PS829	4.750	Circ	0.1mØ	14.208	94.7	0.600	0.450	0.818
29.000	ACO224B	5.045	PS829	4.750	Circ	0.1mØ	2.760	9.4	0.600	0.450	0.818
28.001	PS829	4.750	PS744	4.620	Circ	0.1mØ	12.594	96.9	0.600	0.818	1.010
28.002	PS744	4.620	PS745	4.373	Circ	0.1mØ	6.836	27.6	0.600	1.010	1.202
30.000	RWP225B	5.000	RE225A	4.950	Circ	0.1mØ	0.584	11.7	0.600	0.450	0.494
30.001	RE225A	4.950	PS830	4.850	Circ	0.1mØ	6.047	60.5	0.600	0.494	0.589
30.002	PS830	4.850	PS746	4.450	Circ	0.1mØ	11.559	28.9	0.600	0.589	1.028
31.000	GY225	4.875	PS746	4.400	Circ	0.15mØ	3.572	7.5	0.600	0.462	1.028
30.003	PS746	4.400	PS745	4.322	Circ	0.15mØ	9.975	128.7	0.600	1.028	1.202
28.003	PS745	4.322	S24	4.100	Circ	0.15mØ	4.251	19.1	0.600	1.202	1.296
1.008	S24	4.025	S25	3.850	Circ	0.225mØ	34.390	196.5	0.600	1.296	1.200
32.000	RE202A	4.700	PS666	4.500	Circ	0.1mØ	11.556	57.8	0.600	0.515	0.779
32.001	PS666	4.500	PS667	4.300	Circ	0.1mØ	9.879	49.4	0.600	0.779	0.936
33.000	RWP202B	4.700	PS667	4.300	Circ	0.1mØ	2.082	5.2	0.600	0.539	0.936
32.002	PS667	4.250	S25	3.925	Circ	0.15mØ	4.052	12.5	0.600	0.936	1.200
1.009	S25	3.850	S26	3.800	Circ	0.225mØ	9.063	181.3	0.600	1.200	1.121
34.000	RWP204C	4.800	RE204A	4.750	Circ	0.1mØ	0.558	11.2	0.600	0.649	0.690
34.001	RE204A	4.750	PS649	4.650	Circ	0.1mØ	5.022	50.2	0.600	0.690	0.806
35.000	RWP204G	4.800	PS649	4.650	Circ	0.1mØ	5.223	34.8	0.600	0.649	0.806
36.000	ACO204	4.970	PS649	4.650	Circ	0.1mØ	1.800	5.6	0.600	0.456	0.806
34.002	PS649	4.650	PS147	4.450	Circ	0.1mØ	10.866	54.3	0.600	0.806	1.032
37.000	RWP204E	4.800	PS147	4.450	Circ	0.1mØ	1.138	3.3	0.600	0.665	1.032
34.003	PS147	4.450	PS652	4.300	Circ	0.1mØ	11.172	74.5	0.600	1.032	1.193
38.000	DF204	4.900	PS652	4.375	Circ	0.15mØ	9.078	17.3	0.600	0.500	1.068
39.000	RWP203A	4.900	PS652	4.300	Circ	0.1mØ	1.465	2.4	0.600	0.495	1.193
34.004	PS652	4.250	S14	4.075	Circ	0.15mØ	9.005	51.5	0.600	1.193	1.100
34.005	S14	4.000	S15	3.880	Circ	0.225mØ	26.024	216.9	0.600	1.100	1.053
40.000	RWP202D	4.700	PS151	4.500	Circ	0.1mØ	6.253	31.3	0.600	0.525	0.836
41.000	DF202	4.600	PS151	4.450	Circ	0.15mØ	4.421	29.5	0.600	0.517	0.836
40.001	PS151	4.450	S15	3.955	Circ	0.15mØ	8.417	17.0	0.600	0.836	1.053
34.006	S15	3.880	S26	3.800	Circ	0.225mØ	17.075	213.4	0.600	1.053	1.121
1.010	S26	3.800	S132	3.723	Circ	0.375mØ	30.822	400.0	0.600	0.971	1.094
42.000	RE201A	4.650	PS669	4.500	Circ	0.1mØ	8.034	53.6	0.600	0.545	0.650
43.000	ACO201	4.670	PS669	4.500	Circ	0.1mØ	2.516	14.8	0.600	0.452	0.650
42.001	PS669	4.500	PS670	4.450	Circ	0.1mØ	2.158	43.2	0.600	0.650	0.726
44.000	YG201A	4.600	PS670	4.450	Circ	0.1mØ	0.995	6.6	0.600	0.558	0.726
42.002	PS670	4.450	PS157	4.275	Circ	0.1mØ	13.886	79.3	0.600	0.726	0.893
45.000	RWP201A	4.700	RE201B	4.650	Circ	0.1mØ	0.527	10.5	0.600	0.606	0.688
45.001	RE201B	4.650	PS678	4.500	Circ	0.1mØ	10.856	72.4	0.600	0.688	0.803
45.002	PS678	4.500	PS157	4.275	Circ	0.1mØ	10.678	47.5	0.600	0.803	0.893
46.000	RWP200D	4.700	PS157	4.275	Circ	0.1mØ	2.453	5.8	0.600	0.535	0.893
42.003	PS157	4.275	S132	3.998	Circ	0.1mØ	14.527	52.4	0.600	0.893	1.094
47.000	RWP200C	4.900	RE200C	4.800	Circ	0.1mØ	0.736	7.4	0.600	0.475	0.573
47.001	RE200C	4.800	PS799	4.725	Circ	0.1mØ	7.440	99.2	0.600	0.573	0.500
48.000	ACO200	4.745	PS799	4.725	Circ	0.1mØ	1.423	71.2	0.600	0.450	0.500
47.002	PS799	4.725	PS200A	4.700	Circ	0.1mØ	2.448	97.9	0.600	0.500	0.591
49.000	RWP200F	4.900	PS200A	4.700	Circ	0.1mØ	4.885	24.4	0.600	0.482	0.591
50.000	RWP200A	4.800	PS200A	4.700	Circ	0.1mØ	0.964	9.6	0.600	0.467	0.591
47.003	PS200A	4.700	PS153	4.575	Circ	0.1mØ	10.679	85.4	0.600	0.591	0.774
51.000	DF200	4.750	PS153	4.525	Circ	0.15mØ	4.055	18.0	0.600	0.500	0.774
52.000	RWP200E	4.700	PS153	4.575	Circ	0.1mØ	2.182	17.5	0.600	0.551	0.774
47.004	PS153	4.525	S132	3.948	Circ	0.15mØ	6.435	11.2	0.600	0.774	1.094
53.000	S131	4.200	S132	3.945	Circ	0.15mØ	6.142	24.1	0.600	0.624	1.097
1.011	S132	3.723	S16	3.666	Circ	0.375mØ	22.870	400.0	0.600	1.094	1.297
54.000	RWP199A	4.700	PS680	4.525	Circ	0.1mØ	1.640	9.4	0.600	0.825	0.843
54.001	PS680	4.525	PS681	4.375	Circ	0.1mØ	12.413	82.8	0.600	0.843	0.997

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)
55.000	RWP199C	4.700	PS681	4.375	Circ	0.1mØ	2.830	8.7	0.600	0.675	0.997
54.002	PS681	4.375	PS155	4.275	Circ	0.1mØ	12.917	129.2	0.600	0.997	1.195
56.000	RE200B	4.650	PS155	4.275	Circ	0.1mØ	12.737	34.0	0.600	0.747	1.195
57.000	DF199	4.750	PS155	4.225	Circ	0.15mØ	5.929	11.3	0.600	0.528	1.195
58.000	RWP199E	4.700	PS155	4.275	Circ	0.1mØ	4.095	9.6	0.600	0.693	1.195
54.003	PS155	4.225	S16	3.891	Circ	0.15mØ	8.320	24.9	0.600	1.195	1.297
1.012	S16	3.666	S17	3.631	Circ	0.375mØ	14.062	400.0	0.600	1.297	1.421
59.000	DF231	4.900	PS101	4.800	Circ	0.15mØ	4.186	41.9	0.600	0.509	0.601
59.001	PS101	4.800	PS98	4.400	Circ	0.15mØ	7.938	19.8	0.600	0.601	0.851
60.000	RWP195F	4.700	PS98	4.450	Circ	0.1mØ	6.955	27.8	0.600	0.503	0.851
61.000	GY195	4.775	PS98	4.400	Circ	0.15mØ	1.658	4.4	0.600	0.454	0.851
59.002	PS98	4.400	PS100	4.325	Circ	0.15mØ	10.031	133.7	0.600	0.851	0.735
59.003	PS100	4.325	S136	4.250	Circ	0.15mØ	9.106	121.4	0.600	0.735	0.676
59.004	S136	4.250	S102	4.075	Circ	0.15mØ	25.690	146.8	0.600	0.676	0.923
62.000	RWP196A	4.800	RE196B	4.650	Circ	0.1mØ	2.488	16.6	0.600	0.457	0.640
62.001	RE196B	4.650	PS44	4.400	Circ	0.1mØ	6.156	24.6	0.600	0.640	0.861
63.000	DF196	4.500	PS44	4.350	Circ	0.15mØ	6.560	43.7	0.600	0.624	0.861
62.002	PS44	4.350	S102	4.075	Circ	0.15mØ	6.929	25.2	0.600	0.861	0.923
59.005	S102	4.000	S22	3.825	Circ	0.225mØ	34.577	197.6	0.600	0.923	1.443
64.000	RWP197F	4.900	RE197B	4.850	Circ	0.1mØ	3.590	71.8	0.600	0.622	0.670
64.001	RE197B	4.850	PS163	4.700	Circ	0.1mØ	12.190	81.3	0.600	0.670	0.747
65.000	DF197	4.750	PS163	4.650	Circ	0.15mØ	5.446	54.5	0.600	0.615	0.747
64.002	PS163	4.650	PS164	4.550	Circ	0.15mØ	10.527	105.3	0.600	0.747	0.836
64.003	PS164	4.550	PS165	4.400	Circ	0.15mØ	12.288	81.9	0.600	0.836	1.085
66.000	RWP197B	4.900	PS165	4.450	Circ	0.1mØ	3.962	8.8	0.600	0.485	1.085
64.004	PS165	4.400	S22	3.900	Circ	0.15mØ	9.622	19.2	0.600	1.085	1.443
67.000	ACO198	5.045	RE198B	5.000	Circ	0.1mØ	2.560	56.9	0.600	0.450	0.460
67.001	RE198B	5.000	PS160	4.850	Circ	0.1mØ	9.610	64.1	0.600	0.460	0.696
67.002	PS160	4.850	PS161	4.700	Circ	0.1mØ	10.132	67.5	0.600	0.696	0.897
67.003	PS161	4.700	PS159	4.600	Circ	0.1mØ	5.039	50.4	0.600	0.897	0.983
68.000	RE198A	4.900	PS683	4.800	Circ	0.1mØ	7.653	76.5	0.600	0.614	0.657
69.000	RWP198E	5.075	PS683	4.800	Circ	0.1mØ	0.853	3.1	0.600	0.444	0.657
68.001	PS683	4.800	PS159	4.600	Circ	0.1mØ	11.424	57.1	0.600	0.657	0.983
70.000	DF198	4.775	PS159	4.600	Circ	0.15mØ	5.953	34.0	0.600	0.618	0.933
67.004	PS159	4.600	S22	3.900	Circ	0.15mØ	6.599	9.4	0.600	0.933	1.443
59.006	S22	3.825	S17	3.770	Circ	0.225mØ	9.663	175.7	0.600	1.443	1.431
1.013	S17	3.631	S18	3.611	Circ	0.375mØ	8.045	400.4	0.600	1.421	1.014
1.014	S18	3.600	S19	3.550	Circ	0.375mØ	4.200	84.0	0.600	1.025	1.075
1.015	S19	3.550	S20	3.500	Circ	0.375mØ	5.147	102.9	0.600	1.075	1.100
1.016	S20	3.500	S21	3.000	Circ	0.225mØ	8.706	17.4	0.600	1.250	0.525

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 Paving59	DF228	7.990	5.640	5.160	0.00000000	2.00	488620.820	97818.889
Permeable Paving55	DF235	7.220	5.587	5.107	0.00000000	2.00	488647.684	97834.719
Permeable Paving56	DF237	7.018	5.826	5.346	0.00000000	2.00	488655.686	97821.733
Permeable Paving57	DF226	7.775	5.777	5.297	0.00000000	2.00	488641.070	97800.223
Permeable Paving49	DF220	8.498	5.860	5.380	0.00000000	2.00	488688.769	97802.204
Permeable Paving68	DF240	7.656	5.927	5.447	0.00000000	2.00	488677.807	97825.054
Permeable Paving74	DF204	5.990	5.550	5.070	0.00000000	2.00	488679.592	97746.735
Permeable Paving76	DF202	5.466	5.267	4.787	0.00000000	2.00	488648.505	97745.921
Permeable Paving73	DF200	7.248	5.400	4.920	0.00000000	2.00	488604.172	97770.673
Permeable Paving26	S131	8.682	4.974	4.494	0.00000000	2.00	488595.799	97760.651
Permeable Paving72	DF199	4.819	5.428	4.948	0.00000000	2.00	488590.052	97778.949
Permeable Paving88	DF231	7.208	5.559	4.979	0.00000000	2.00	488589.984	97856.132
Permeable Paving28	DF196	7.803	5.274	4.794	0.00000000	2.00	488574.815	97833.996
Permeable Paving70	DF197	5.238	5.515	5.035	0.00000000	2.00	488585.667	97818.614
Permeable Paving71	DF198	8.937	5.543	5.063	0.00000000	2.00	488578.609	97798.037

Outfall Details

Outfall Manhole S21 : Surcharged (Constant Level)

Surcharged Constant

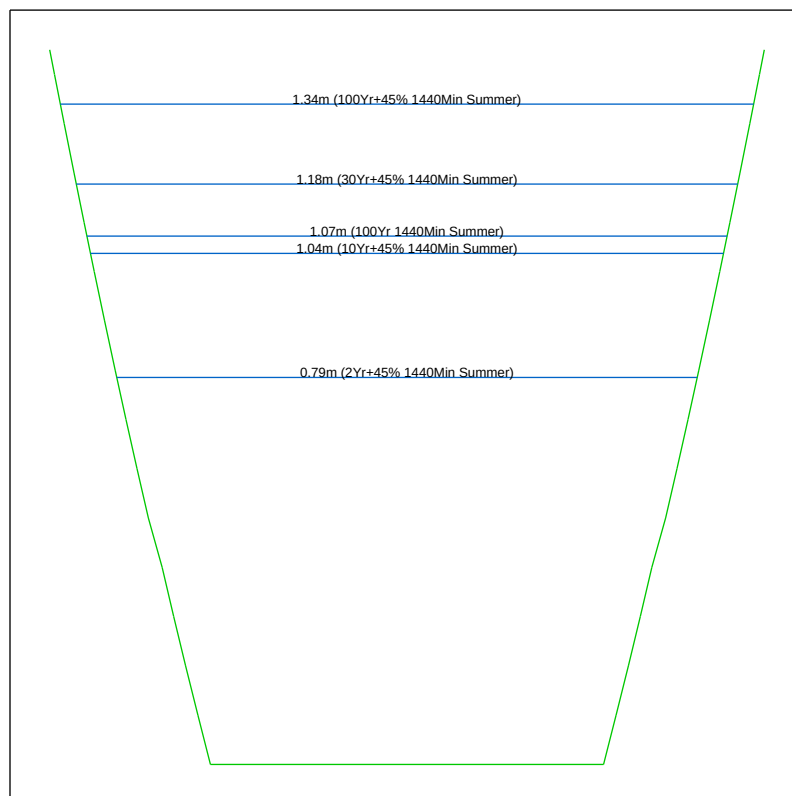
Water Elevation (m)	Water Depth (m)
4.000	1.000

Flow Control Details

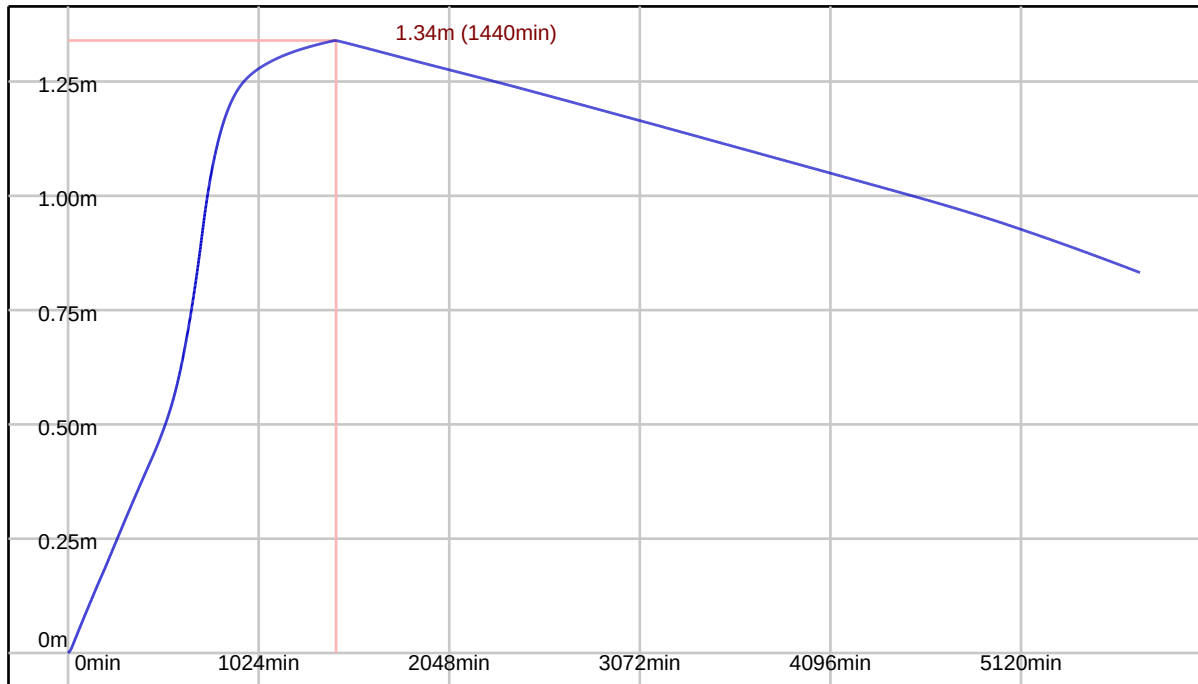
Pond Structure at Manhole S19

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
3.550	1.450	610.509	4.850	0.150	0.00000000	0.00000000	2.00

Pond Depth/Area Diagram at S19



Pond at S19 (100Yr+45% 1440Min Summer)

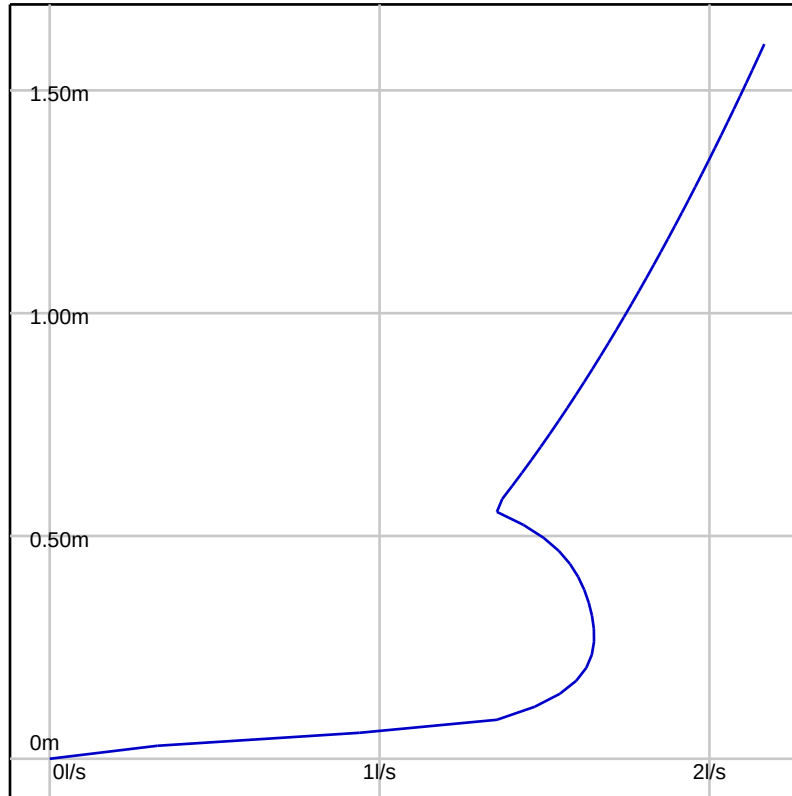


Controls within Manhole S20

Hydro-Brake® Optimum Control at Manhole S20

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-0063-2000-1350-2000	1.350	2.000	0.000	0.274	1.651	0.557	1.344

Hydro-Brake® Optimum Control at S20



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	7.09	30Yr+45% 360Min Summer	12.224	0.00	1.48
2Yr+45% 15Min Summer	47.734	0.00	7.26	30Yr+45% 360Min Winter	12.224	0.00	1.41
2Yr+45% 30Min Winter	31.030	0.00	10.08	30Yr+45% 480Min Summer	9.702	0.00	1.75
2Yr+45% 30Min Summer	31.030	0.00	10.06	30Yr+45% 480Min Winter	9.702	0.00	1.66
2Yr+45% 60Min Summer	19.285	0.00	13.87	30Yr+45% 600Min Summer	8.089	0.00	1.57
2Yr+45% 60Min Winter	19.285	0.00	13.19	30Yr+45% 600Min Winter	8.089	0.00	1.51
2Yr+45% 120Min Winter	12.930	0.00	0.08	30Yr+45% 720Min Summer	6.961	0.00	1.36
2Yr+45% 120Min Summer	12.930	0.00	0.11	30Yr+45% 720Min Winter	6.961	0.00	1.31
2Yr+45% 180Min Summer	10.105	0.00	0.03	30Yr+45% 960Min Summer	5.492	0.00	0.93
2Yr+45% 180Min Winter	10.105	0.00	-0.12	30Yr+45% 960Min Winter	5.492	0.00	0.89
2Yr+45% 240Min Winter	8.254	0.00	-0.28	30Yr+45% 1440Min Summer	3.953	0.00	0.21
2Yr+45% 240Min Summer	8.254	0.00	-0.45	30Yr+45% 1440Min Winter	3.953	0.00	0.18
2Yr+45% 360Min Summer	6.188	0.00	-0.35	100Yr 15Min Summer	100.880	0.00	0.08
2Yr+45% 360Min Winter	6.188	0.00	-0.31	100Yr 15Min Winter	100.880	0.00	0.10
2Yr+45% 480Min Summer	5.020	0.00	-0.13	100Yr 30Min Summer	66.884	0.00	0.06
2Yr+45% 480Min Winter	5.020	0.00	-0.22	100Yr 30Min Winter	66.884	0.00	0.06
2Yr+45% 600Min Summer	4.237	0.00	-0.08	100Yr 60Min Summer	42.434	0.00	0.07
2Yr+45% 600Min Winter	4.237	0.00	-0.16	100Yr 60Min Winter	42.434	0.00	0.07
2Yr+45% 720Min Winter	3.677	0.00	-0.11	100Yr 120Min Summer	24.790	0.00	0.23
2Yr+45% 720Min Summer	3.677	0.00	-0.03	100Yr 120Min Winter	24.790	0.00	0.25
2Yr+45% 960Min Summer	2.945	0.00	0.00	100Yr 180Min Summer	17.968	0.00	0.25
2Yr+45% 960Min Winter	2.945	0.00	-0.01	100Yr 180Min Winter	17.968	0.00	0.43
2Yr+45% 1440Min Summer	2.154	0.00	0.04	100Yr 240Min Summer	14.430	0.00	0.36
2Yr+45% 1440Min Winter	2.154	0.00	0.05	100Yr 240Min Winter	14.430	0.00	0.48
10Yr+45% 15Min Summer	90.144	0.00	0.15	100Yr 360Min Summer	10.466	0.00	0.76
10Yr+45% 15Min Winter	90.144	0.00	0.15	100Yr 360Min Winter	10.466	0.00	0.72
10Yr+45% 30Min Summer	58.702	0.00	0.09	100Yr 480Min Summer	8.295	0.00	1.03
10Yr+45% 30Min Winter	58.702	0.00	0.09	100Yr 480Min Winter	8.295	0.00	0.97
10Yr+45% 60Min Summer	36.665	0.00	0.06	100Yr 600Min Summer	6.919	0.00	0.87
10Yr+45% 60Min Winter	36.665	0.00	0.05	100Yr 600Min Winter	6.919	0.00	0.78
10Yr+45% 120Min Summer	22.521	0.00	0.09	100Yr 720Min Summer	5.959	0.00	0.68
10Yr+45% 120Min Winter	22.521	0.00	0.11	100Yr 720Min Winter	5.959	0.00	0.60
10Yr+45% 180Min Summer	16.756	0.00	0.08	100Yr 960Min Summer	4.708	0.00	0.34
10Yr+45% 180Min Winter	16.756	0.00	0.23	100Yr 960Min Winter	4.708	0.00	0.30
10Yr+45% 240Min Summer	13.465	0.00	0.16	100Yr 1440Min Summer	3.395	0.00	0.02
10Yr+45% 240Min Winter	13.465	0.00	0.28	100Yr 1440Min Winter	3.395	0.00	0.01
10Yr+45% 360Min Summer	9.827	0.00	0.52	100Yr+45% 15Min Summer	146.276	0.00	0.04
10Yr+45% 360Min Winter	9.827	0.00	0.47	100Yr+45% 15Min Winter	146.276	0.00	0.05
10Yr+45% 480Min Winter	7.833	0.00	0.70	100Yr+45% 30Min Summer	96.982	0.00	0.18
10Yr+45% 480Min Summer	7.833	0.00	0.82	100Yr+45% 30Min Winter	96.982	0.00	0.18
10Yr+45% 600Min Summer	6.549	0.00	0.64	100Yr+45% 60Min Summer	61.530	0.00	0.89
10Yr+45% 600Min Winter	6.549	0.00	0.56	100Yr+45% 60Min Winter	61.530	0.00	0.89
10Yr+45% 720Min Summer	5.645	0.00	0.45	100Yr+45% 120Min Summer	35.946	0.00	1.56
10Yr+45% 720Min Winter	5.645	0.00	0.40	100Yr+45% 120Min Winter	35.946	0.00	1.55
10Yr+45% 960Min Summer	4.467	0.00	0.16	100Yr+45% 180Min Summer	26.053	0.00	1.79
10Yr+45% 960Min Winter	4.467	0.00	0.12	100Yr+45% 180Min Winter	26.053	0.00	1.88
10Yr+45% 1440Min Summer	3.223	0.00	0.01	100Yr+45% 240Min Summer	20.923	0.00	2.07
10Yr+45% 1440Min Winter	3.223	0.00	0.01	100Yr+45% 240Min Winter	20.923	0.00	2.06
30Yr+45% 15Min Summer	116.894	0.00	0.09	100Yr+45% 360Min Summer	15.176	0.00	2.36
30Yr+45% 15Min Winter	116.894	0.00	0.08	100Yr+45% 360Min Winter	15.176	0.00	2.34
30Yr+45% 30Min Summer	76.716	0.00	0.03	100Yr+45% 480Min Summer	12.028	0.00	2.55
30Yr+45% 30Min Winter	76.716	0.00	0.04	100Yr+45% 480Min Winter	12.028	0.00	2.48
30Yr+45% 60Min Summer	48.209	0.00	0.18	100Yr+45% 600Min Summer	10.033	0.00	2.37
30Yr+45% 60Min Winter	48.209	0.00	0.18	100Yr+45% 600Min Winter	10.033	0.00	2.31
30Yr+45% 120Min Summer	28.721	0.00	0.66	100Yr+45% 720Min Summer	8.641	0.00	2.17

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	0.67	100Yr+45% 720Min Winter	8.641	0.00	2.12
30Yr+45% 180Min Summer	21.032	0.00	0.76	100Yr+45% 960Min Summer	6.827	0.00	1.77
30Yr+45% 180Min Winter	21.032	0.00	0.94	100Yr+45% 960Min Winter	6.827	0.00	1.71
30Yr+45% 240Min Summer	16.846	0.00	1.07	100Yr+45% 1440Min Winter	4.922	0.00	0.98
30Yr+45% 240Min Winter	16.846	0.00	1.08	100Yr+45% 1440Min Summer	4.922	0.00	1.01

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
RWP228A	-	0	5.150	0.000	0.000		OK
RE228A	-	0	5.100	0.000	0.000		OK
RWP228C	-	0	5.150	0.000	0.000		OK
RE228B	-	0	5.100	0.000	0.000		OK
PS777	-	0	5.015	0.000	0.000		OK
PS834	-	0	5.000	0.000	0.000		OK
DF228	120 min Summer	68	4.988	0.013	0.735		OK
PS111	120 min Summer	68	4.764	0.014	0.735		OK
S28	15 min Summer	10	4.453	0.153	9.801		OK
ACO235	-	0	4.970	0.000	0.000		OK
RWP235C	-	0	5.000	0.000	0.000		OK
RE235A	15 min Summer	8	4.905	0.030	1.342		OK
DF235	60 min Summer	38	4.816	0.016	0.688		OK
RWP235A	-	0	5.000	0.000	0.000		OK
PS107	15 min Summer	8	4.717	0.017	1.329		OK
S54	15 min Summer	11	4.457	0.107	0.928		OK
RWP239B	-	0	5.375	0.000	0.000		OK
RE239B	-	0	5.350	0.000	0.000		OK
RWP238B	-	0	5.375	0.000	0.000		OK
PS253	-	0	5.225	0.000	0.000		OK
RE236B	15 min Summer	8	5.138	0.038	2.699		OK
PS251	15 min Summer	8	4.945	0.045	2.682		OK
RE236A	-	0	5.100	0.000	0.000		OK
DF237	60 min Summer	37	5.114	0.014	0.682		OK
PS109	15 min Summer	8	4.775	0.025	2.656		OK
RWP239A	15 min Summer	8	5.390	0.015	0.018		OK
RE239A	15 min Summer	8	5.390	0.040	3.175		OK
RWP238A	-	0	5.375	0.000	0.000		OK
PS255	15 min Summer	8	5.025	0.025	3.134		OK
S53	15 min Summer	10	4.455	0.205	9.693		OK
DF226	120 min Summer	68	5.191	0.016	0.721		OK
RWP227B	-	0	5.225	0.000	0.000		OK
PS115	120 min Summer	68	4.914	0.014	0.721		OK
S27	15 min Summer	11	4.447	0.272	19.080		Surcharged
PS793	15 min Summer	8	5.237	0.037	1.833		OK
RE221B	-	0	5.400	0.000	0.000		OK
PS792	15 min Summer	8	5.078	0.028	1.817		OK
RWP220C	-	0	5.350	0.000	0.000		OK
RE220A	15 min Summer	8	5.234	0.034	2.699		OK
DF220	120 min Summer	68	5.213	0.013	0.767		OK
RWP220A	-	0	5.350	0.000	0.000		OK
PS782	15 min Summer	8	4.889	0.039	4.485		OK
DF240	120 min Summer	68	5.245	0.020	0.713		OK
PS143	60 min Summer	38	5.165	0.015	0.713		OK
S135	15 min Summer	8	4.645	0.070	15.310		OK
RE222A	-	0	5.275	0.000	0.000		OK
RWP223E	15 min Summer	8	5.219	0.019	0.738		OK
PS798	15 min Summer	8	5.221	0.071	5.100		OK
ACO222	15 min Summer	8	5.174	0.024	1.254		OK
RWP222A	-	0	5.300	0.000	0.000		OK
PS90	15 min Summer	8	5.129	0.029	1.244		OK
RWP223C	-	0	5.200	0.000	0.000		OK
PS742	15 min Summer	8	5.038	0.038	6.286		OK
S151	15 min Summer	10	4.428	0.328	35.520		Surcharged
RE223A	-	0	4.900	0.000	0.000		OK
ACO224B	-	0	5.045	0.000	0.000		OK
PS829	15 min Summer	8	4.796	0.046	2.540		OK
PS744	15 min Summer	8	4.652	0.032	2.511		OK
RWP225B	-	0	5.000	0.000	0.000		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RE225A	-	0	4.950	0.000	0.000		OK
PS830	-	0	4.850	0.000	0.000		OK
GY225	-	0	4.875	0.000	0.000		OK
PS746	-	0	4.400	0.000	0.000		OK
PS745	15 min Summer	10	4.352	0.030	2.198		OK
S24	15 min Summer	10	4.364	0.339	42.960		Surcharged
RE202A	-	0	4.700	0.000	0.000		OK
PS666	-	0	4.500	0.000	0.000		OK
RWP202B	-	0	4.700	0.000	0.000		OK
PS667	1440 min Summer	1277	4.337	0.087	0.000		OK
S25	1440 min Summer	1277	4.336	0.486	0.275		Surcharged
RWP204C	-	0	4.800	0.000	0.000		OK
RE204A	-	0	4.750	0.000	0.000		OK
RWP204G	-	0	4.800	0.000	0.000		OK
ACO204	-	0	4.970	0.000	0.000		OK
PS649	15 min Summer	8	4.677	0.027	1.307		OK
RWP204E	-	0	4.800	0.000	0.000		OK
PS147	15 min Summer	9	4.479	0.029	1.263		OK
DF204	30 min Summer	22	4.913	0.013	0.630		OK
RWP203A	-	0	4.900	0.000	0.000		OK
PS652	1440 min Summer	1288	4.338	0.088	0.109		OK
S14	1440 min Summer	1288	4.337	0.337	0.090		Surcharged
RWP202D	-	0	4.700	0.000	0.000		OK
DF202	30 min Summer	22	4.614	0.014	0.604		OK
PS151	15 min Summer	8	4.479	0.029	3.572		OK
S15	1440 min Summer	1277	4.337	0.457	0.081		Surcharged
S26	1440 min Summer	1269	4.336	0.536	0.446		Surcharged
RE201A	-	0	4.650	0.000	0.000		OK
ACO201	-	0	4.670	0.000	0.000		OK
PS669	-	0	4.500	0.000	0.000		OK
YG201A	-	0	4.600	0.000	0.000		OK
PS670	-	0	4.450	0.000	0.000		OK
RWP201A	-	0	4.700	0.000	0.000		OK
RE201B	-	0	4.650	0.000	0.000		OK
PS678	-	0	4.500	0.000	0.000		OK
RWP200D	-	0	4.700	0.000	0.000		OK
PS157	1440 min Summer	1262	4.337	0.062	0.000		OK
RWP200C	-	0	4.900	0.000	0.000		OK
RE200C	15 min Summer	8	4.828	0.028	1.037		OK
ACO200	15 min Summer	9	4.752	0.007	0.012		OK
PS799	15 min Summer	9	4.752	0.027	1.007		OK
RWP200F	-	0	4.900	0.000	0.000		OK
RWP200A	-	0	4.800	0.000	0.000		OK
PS200A	15 min Summer	9	4.726	0.026	0.990		OK
DF200	60 min Summer	37	4.763	0.013	0.694		OK
RWP200E	15 min Summer	8	4.729	0.029	2.755		OK
PS153	15 min Summer	8	4.551	0.026	3.662		OK
S131	1440 min Summer	1288	4.337	0.137	0.043		OK
S132	1440 min Summer	1322	4.336	0.613	0.888		Surcharged
RWP199A	-	0	4.700	0.000	0.000		OK
PS680	-	0	4.525	0.000	0.000		OK
RWP199C	-	0	4.700	0.000	0.000		OK
PS681	-	0	4.375	0.000	0.000		OK
RE200B	15 min Summer	8	4.692	0.042	3.794		OK
DF199	30 min Summer	22	4.761	0.011	0.568		OK
RWP199E	-	0	4.700	0.000	0.000		OK
PS155	1440 min Summer	1329	4.338	0.113	0.080		OK
S16	1440 min Summer	1277	4.336	0.671	0.277		Surcharged
DF231	120 min Summer	68	4.914	0.014	0.508		OK
PS101	120 min Summer	68	4.812	0.012	0.508		OK
RWP195F	-	0	4.700	0.000	0.000		OK
GY195	15 min Summer	8	4.790	0.015	1.816		OK
PS98	15 min Summer	8	4.457	0.057	4.729		OK
PS100	15 min Summer	8	4.380	0.055	4.692		OK
S136	1440 min Summer	1335	4.337	0.087	0.141		OK
RWP196A	-	0	4.800	0.000	0.000		OK
RE196B	-	0	4.650	0.000	0.000		OK
DF196	120 min Summer	68	4.517	0.017	0.722		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
PS44	15 min Summer	8	4.378	0.028	2.755		OK
S102	1440 min Summer	1255	4.337	0.337	0.166		Surcharged
RWP197F	-	0	4.900	0.000	0.000		OK
RE197B	15 min Summer	8	4.870	0.020	0.578		OK
DF197	30 min Summer	22	4.766	0.016	0.592		OK
PS163	60 min Summer	35	4.672	0.022	0.804		OK
PS164	15 min Summer	8	4.593	0.043	3.311		OK
RWP197B	-	0	4.900	0.000	0.000		OK
PS165	15 min Summer	8	4.429	0.029	3.281		OK
ACO198	-	0	5.045	0.000	0.000		OK
RE198B	-	0	5.000	0.000	0.000		OK
PS160	15 min Summer	8	4.894	0.044	2.919		OK
PS161	15 min Summer	8	4.741	0.041	2.898		OK
RE198A	15 min Summer	8	4.926	0.026	1.037		OK
RWP198E	-	0	5.075	0.000	0.000		OK
PS683	15 min Summer	8	4.824	0.024	1.027		OK
DF198	120 min Summer	68	4.792	0.017	0.793		OK
PS159	15 min Summer	8	4.626	0.026	3.895		OK
S22	1440 min Summer	1261	4.337	0.512	0.236		Surcharged
S17	1440 min Summer	1312	4.337	0.706	1.643		Surcharged
S18	1440 min Summer	1444	4.340	0.740	0.000		Surcharged
S19	1440 min Summer	1231	4.335	0.785	1.610		Surcharged
S20	1440 min Summer	1231	4.335	0.835	1.639		Surcharged
S21	15 min Winter	0	4.000	1.000	1.554		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	RWP228A	RE228A	0.000	0.000	0.000	0.000	OK
1.001	15 min Winter	0	RE228A	PS777	0.000	0.000	0.000	0.000	OK
2.000	15 min Winter	0	RWP228C	RE228B	0.000	0.000	0.000	0.000	OK
2.001	15 min Winter	0	RE228B	PS777	0.000	0.000	0.000	0.000	OK
1.002	15 min Winter	0	PS777	PS834	0.000	0.000	0.000	0.000	OK
1.003	15 min Winter	0	PS834	PS111	0.000	0.000	0.000	0.000	OK
3.000	120 min Summer	68	DF228	PS111	0.013	0.961	0.735	0.015	OK
1.004	15 min Summer	15	PS111	S28	0.039	0.826	0.534	0.013	OK
1.005	15 min Summer	10	S28	S27	0.189	0.617	12.133	0.336	OK
4.000	15 min Summer	8	ACO235	RE235A	0.015	0.000	0.000	0.000	OK
5.000	15 min Summer	8	RWP235C	RE235A	0.015	0.000	0.000	0.000	OK
4.001	15 min Summer	8	RE235A	PS107	0.030	0.666	1.329	0.199	OK
6.000	60 min Summer	37	DF235	PS107	0.016	0.716	0.689	0.023	OK
7.000	15 min Winter	0	RWP235A	PS107	0.000	0.000	0.000	0.000	OK
4.002	15 min Summer	11	PS107	S54	0.023	1.203	1.322	0.027	OK
4.003	15 min Summer	12	S54	S53	0.155	0.242	3.576	0.095	OK
8.000	15 min Winter	0	RWP239B	RE239B	0.000	0.000	0.000	0.000	OK
8.001	15 min Winter	0	RE239B	PS253	0.000	0.000	0.000	0.000	OK
9.000	15 min Winter	0	RWP238B	PS253	0.000	0.000	0.000	0.000	OK
8.002	15 min Summer	8	PS253	PS251	0.022	0.000	0.000	0.000	OK
10.000	15 min Summer	8	RE236B	PS251	0.042	0.865	2.682	0.315	OK
8.003	15 min Summer	8	PS251	PS109	0.035	1.089	2.656	0.376	OK
11.000	15 min Summer	8	RE236A	PS109	0.012	0.000	0.000	0.000	OK
12.000	60 min Summer	37	DF237	PS109	0.017	0.865	0.681	0.040	OK
8.004	15 min Summer	10	PS109	S53	0.052	1.739	2.641	0.135	OK
13.000	15 min Summer	11	RWP239A	RE239A	0.027	0.069	0.063	0.008	OK
13.001	15 min Summer	8	RE239A	PS255	0.032	1.428	3.134	0.295	OK
14.000	15 min Summer	8	RWP238A	PS255	0.012	0.000	0.000	0.000	OK
13.002	15 min Summer	10	PS255	S53	0.052	2.042	3.117	0.136	OK
4.004	15 min Summer	12	S53	S27	0.215	0.562	10.861	0.272	OK
15.000	120 min Summer	68	DF226	PS115	0.015	1.001	0.721	0.052	OK
16.000	120 min Summer	68	RWP227B	PS115	0.007	0.000	0.000	0.000	OK
15.001	15 min Summer	15	PS115	S27	0.054	1.023	0.530	0.029	OK
1.006	15 min Summer	13	S27	S151	0.225	0.679	25.684	0.730	OK
17.000	15 min Summer	8	PS793	PS792	0.033	0.819	1.817	0.273	OK
18.000	15 min Summer	8	RE221B	PS792	0.014	0.000	0.000	0.000	OK
17.001	15 min Summer	8	PS792	PS782	0.028	0.978	1.801	0.177	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
19.000	15 min Summer	8	RWP220C	RE220A	0.017	0.000	0.000	0.000	OK
19.001	15 min Summer	8	RE220A	PS782	0.034	1.124	2.684	0.254	OK
20.000	60 min Summer	38	DF220	PS782	0.021	0.622	0.753	0.014	OK
21.000	15 min Winter	0	RWP220A	PS782	0.000	0.000	0.000	0.000	OK
17.002	15 min Summer	8	PS782	S135	0.039	1.239	4.466	0.146	OK
22.000	120 min Summer	68	DF240	PS143	0.017	0.784	0.713	0.080	OK
22.001	60 min Summer	38	PS143	S135	0.015	0.963	0.714	0.049	OK
17.003	15 min Summer	8	S135	S151	0.147	0.758	15.198	0.212	OK
23.000	15 min Summer	8	RE222A	PS798	0.035	0.000	0.000	0.000	OK
24.000	15 min Summer	8	RWP223E	PS798	0.045	0.215	0.729	0.077	OK
23.001	15 min Summer	8	PS798	PS742	0.054	1.164	5.057	0.809	OK
25.000	15 min Summer	8	ACO222	PS90	0.026	0.746	1.244	0.130	OK
26.000	15 min Summer	8	RWP222A	PS90	0.014	0.000	0.000	0.000	OK
25.001	15 min Summer	8	PS90	PS742	0.033	0.542	1.229	0.181	OK
27.000	15 min Summer	8	RWP223C	PS742	0.019	0.000	0.000	0.000	OK
23.002	15 min Summer	8	PS742	S151	0.069	2.063	6.261	0.300	OK
1.007	15 min Summer	13	S151	S24	0.225	0.926	36.319	1.024	OK
28.000	15 min Summer	8	RE223A	PS829	0.023	0.000	0.000	0.000	OK
29.000	15 min Summer	8	ACO224B	PS829	0.023	0.000	0.000	0.000	OK
28.001	15 min Summer	8	PS829	PS744	0.039	0.893	2.511	0.410	OK
28.002	15 min Summer	8	PS744	PS745	0.032	1.175	2.494	0.216	OK
30.000	15 min Winter	0	RWP225B	RE225A	0.000	0.000	0.000	0.000	OK
30.001	15 min Winter	0	RE225A	PS830	0.000	0.000	0.000	0.000	OK
30.002	15 min Winter	0	PS830	PS746	0.000	0.000	0.000	0.000	OK
31.000	15 min Winter	0	GY225	PS746	0.000	0.000	0.000	0.000	OK
30.003	15 min Summer	10	PS746	PS745	0.015	0.000	0.000	0.000	OK
28.003	15 min Summer	11	PS745	S24	0.090	0.824	3.016	0.074	OK
1.008	15 min Summer	11	S24	S25	0.225	1.140	45.308	1.228	OK
32.000	15 min Winter	0	RE202A	PS666	0.000	0.000	0.000	0.000	OK
32.001	1440 min Summer	1277	PS666	PS667	0.018	0.000	0.000	0.000	OK
33.000	1440 min Summer	1277	RWP202B	PS667	0.018	0.000	0.000	0.000	OK
32.002	1440 min Summer	1347	PS667	S25	0.118	0.020	0.217	0.004	OK
1.009	15 min Summer	11	S25	S26	0.225	1.205	47.920	1.247	OK
34.000	15 min Winter	0	RWP204C	RE204A	0.000	0.000	0.000	0.000	OK
34.001	15 min Summer	8	RE204A	PS649	0.013	0.000	0.000	0.000	OK
35.000	15 min Summer	8	RWP204G	PS649	0.013	0.000	0.000	0.000	OK
36.000	15 min Summer	8	ACO204	PS649	0.013	0.000	0.000	0.000	OK
34.002	15 min Summer	8	PS649	PS147	0.028	0.728	1.295	0.158	OK
37.000	15 min Summer	9	RWP204E	PS147	0.014	0.000	0.000	0.000	OK
34.003	15 min Summer	9	PS147	PS652	0.029	0.682	1.279	0.183	OK
38.000	30 min Summer	22	DF204	PS652	0.013	0.879	0.630	0.015	OK
39.000	1440 min Summer	1288	RWP203A	PS652	0.019	0.000	0.000	0.000	OK
34.004	1440 min Summer	1288	PS652	S14	0.119	0.423	0.240	0.010	OK
34.005	600 min Summer	440	S14	S15	0.225	0.328	1.774	0.051	OK
40.000	15 min Winter	0	RWP202D	PS151	0.000	0.000	0.000	0.000	OK
41.000	60 min Summer	37	DF202	PS151	0.018	0.570	0.592	0.018	OK
40.001	600 min Summer	326	PS151	S15	0.081	0.903	0.804	0.019	OK
34.006	240 min Summer	177	S15	S26	0.225	0.339	6.189	0.175	OK
1.010	480 min Summer	316	S26	S132	0.375	0.529	19.903	0.201	Surcharged
42.000	15 min Winter	0	RE201A	PS669	0.000	0.000	0.000	0.000	OK
43.000	15 min Winter	0	ACO201	PS669	0.000	0.000	0.000	0.000	OK
42.001	15 min Winter	0	PS669	PS670	0.000	0.000	0.000	0.000	OK
44.000	15 min Winter	0	YG201A	PS670	0.000	0.000	0.000	0.000	OK
42.002	1440 min Summer	1262	PS670	PS157	0.031	0.000	0.000	0.000	OK
45.000	15 min Winter	0	RWP201A	RE201B	0.000	0.000	0.000	0.000	OK
45.001	15 min Winter	0	RE201B	PS678	0.000	0.000	0.000	0.000	OK
45.002	1440 min Summer	1262	PS678	PS157	0.031	0.000	0.000	0.000	OK
46.000	1440 min Summer	1262	RWP200D	PS157	0.031	0.000	0.000	0.000	OK
42.003	1440 min Summer	1479	PS157	S132	0.081	0.046	0.296	0.035	OK
47.000	15 min Summer	8	RWP200C	RE200C	0.014	0.000	0.000	0.000	OK
47.001	15 min Summer	9	RE200C	PS799	0.027	0.593	1.026	0.170	OK
48.000	15 min Summer	10	ACO200	PS799	0.017	0.054	0.045	0.006	OK
47.002	15 min Summer	9	PS799	PS200A	0.027	0.590	0.990	0.163	OK
49.000	15 min Summer	9	RWP200F	PS200A	0.013	0.000	0.000	0.000	OK
50.000	15 min Summer	9	RWP200A	PS200A	0.013	0.000	0.000	0.000	OK
47.003	15 min Summer	9	PS200A	PS153	0.026	0.602	0.981	0.150	OK
51.000	60 min Summer	37	DF200	PS153	0.017	0.720	0.692	0.016	OK
52.000	15 min Summer	8	RWP200E	PS153	0.029	1.424	2.743	0.188	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
47.004	480 min Summer	269	PS153	S132	0.081	1.173	1.064	0.020	OK
53.000	1440 min Summer	1403	S131	S132	0.144	0.405	0.442	0.012	OK
1.011	240 min Summer	171	S132	S16	0.375	0.649	34.892	0.352	Surcharged
54.000	15 min Winter	0	RWP199A	PS680	0.000	0.000	0.000	0.000	OK
54.001	15 min Winter	0	PS680	PS681	0.000	0.000	0.000	0.000	OK
55.000	15 min Winter	0	RWP199C	PS681	0.000	0.000	0.000	0.000	OK
54.002	1440 min Summer	1329	PS681	PS155	0.031	0.000	0.000	0.000	OK
56.000	15 min Summer	8	RE200B	PS155	0.042	1.222	3.773	0.362	OK
57.000	1440 min Summer	1329	DF199	PS155	0.057	0.286	0.107	0.002	OK
58.000	1440 min Summer	1329	RWP199E	PS155	0.031	0.000	0.000	0.000	OK
54.003	1440 min Summer	1329	PS155	S16	0.131	0.465	0.537	0.015	OK
1.012	120 min Summer	117	S16	S17	0.375	0.907	56.183	0.566	Surcharged
59.000	120 min Summer	68	DF231	PS101	0.013	0.669	0.508	0.018	OK
59.001	15 min Summer	15	PS101	PS98	0.028	0.440	0.362	0.009	OK
60.000	15 min Summer	8	RWP195F	PS98	0.003	0.000	0.000	0.000	OK
61.000	15 min Summer	8	GY195	PS98	0.036	0.559	1.810	0.021	OK
59.002	15 min Summer	8	PS98	PS100	0.056	0.783	4.692	0.307	OK
59.003	15 min Summer	9	PS100	S136	0.056	0.795	4.659	0.290	OK
59.004	1440 min Summer	1335	S136	S102	0.118	0.376	0.514	0.035	OK
62.000	15 min Winter	0	RWP196A	RE196B	0.000	0.000	0.000	0.000	OK
62.001	15 min Winter	0	RE196B	PS44	0.000	0.000	0.000	0.000	OK
63.000	120 min Summer	68	DF196	PS44	0.019	0.569	0.723	0.027	OK
62.002	1440 min Summer	784	PS44	S102	0.080	0.635	0.398	0.011	OK
59.005	600 min Summer	440	S102	S22	0.225	0.455	3.949	0.107	OK
64.000	15 min Summer	8	RWP197F	RE197B	0.010	0.000	0.000	0.000	OK
64.001	15 min Summer	8	RE197B	PS163	0.020	0.523	0.568	0.085	OK
65.000	60 min Summer	37	DF197	PS163	0.019	0.457	0.577	0.024	OK
64.002	15 min Summer	14	PS163	PS164	0.031	0.397	0.576	0.033	OK
64.003	15 min Summer	8	PS164	PS165	0.036	1.011	3.281	0.167	OK
66.000	15 min Winter	0	RWP197B	PS165	0.000	0.000	0.000	0.000	OK
64.004	360 min Summer	200	PS165	S22	0.082	0.961	1.077	0.026	OK
67.000	15 min Winter	0	ACO198	RE198B	0.000	0.000	0.000	0.000	OK
67.001	15 min Summer	8	RE198B	PS160	0.022	0.000	0.000	0.000	OK
67.002	15 min Summer	8	PS160	PS161	0.043	0.909	2.898	0.394	OK
67.003	15 min Summer	8	PS161	PS159	0.034	1.234	2.880	0.338	OK
68.000	15 min Summer	8	RE198A	PS683	0.025	0.665	1.027	0.149	OK
69.000	15 min Summer	8	RWP198E	PS683	0.012	0.000	0.000	0.000	OK
68.001	15 min Summer	8	PS683	PS159	0.025	0.660	1.014	0.127	OK
70.000	120 min Summer	68	DF198	PS159	0.018	0.698	0.793	0.026	OK
67.004	360 min Summer	200	PS159	S22	0.082	1.336	1.405	0.024	OK
59.006	240 min Summer	146	S22	S17	0.225	0.781	10.427	0.267	OK
1.013	120 min Summer	92	S17	S18	0.375	1.172	70.281	0.709	Surcharged
1.014	15 min Summer	833	S18	S19	0.375	3.280	114.061	0.522	Surcharged
1.015	600 min Winter	654	S19	S20	0.375	0.015	1.683	0.009	Surcharged
1.016	720 min Summer	613	S20	S21	0.225	0.042	1.650	0.013	OK

Permeable Paving Storage

Permeable Paving	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
Permeable Paving59	120 min Summer	68	5.182	0.022	0.717		OK
Permeable Paving55	60 min Summer	37	5.128	0.021	0.717		OK
Permeable Paving56	60 min Summer	37	5.367	0.021	0.698		OK
Permeable Paving57	120 min Summer	68	5.319	0.022	0.697		OK
Permeable Paving49	120 min Summer	68	5.403	0.023	0.763		OK
Permeable Paving68	60 min Summer	37	5.469	0.022	0.760		OK
Permeable Paving74	30 min Summer	22	5.090	0.020	0.517		OK
Permeable Paving76	30 min Summer	22	4.807	0.020	0.473		OK
Permeable Paving73	60 min Summer	37	4.942	0.021	0.720		OK
Permeable Paving26	120 min Summer	68	4.517	0.023	0.779		OK
Permeable Paving72	30 min Summer	22	4.966	0.019	0.417		OK
Permeable Paving88	120 min Summer	68	5.002	0.023	0.503		OK
Permeable Paving28	120 min Summer	68	4.816	0.022	0.700		OK
Permeable Paving70	30 min Summer	22	5.055	0.019	0.454		OK
Permeable Paving71	120 min Summer	68	5.086	0.023	0.802		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
RWP228A	-	0	5.150	0.000	0.000		OK
RE228A	-	0	5.100	0.000	0.000		OK
RWP228C	-	0	5.150	0.000	0.000		OK
RE228B	-	0	5.100	0.000	0.000		OK
PS777	-	0	5.015	0.000	0.000		OK
PS834	-	0	5.000	0.000	0.000		OK
DF228	30 min Summer	25	4.994	0.019	1.674		OK
PS111	15 min Summer	11	4.946	0.196	0.558		Surcharged
S28	15 min Summer	11	4.947	0.647	11.320		Surcharged
ACO235	15 min Summer	12	4.970	0.000	0.000		OK
RWP235C	-	0	5.000	0.000	0.000		OK
RE235A	15 min Summer	11	4.962	0.087	1.417		OK
DF235	15 min Summer	12	4.949	0.149	0.877		OK
RWP235A	-	0	5.000	0.000	0.000		OK
PS107	15 min Summer	12	4.950	0.250	2.543		Surcharged
S54	15 min Summer	11	4.949	0.599	1.159		Surcharged
RWP239B	-	0	5.375	0.000	0.000		OK
RE239B	-	0	5.350	0.000	0.000		OK
RWP238B	-	0	5.375	0.000	0.000		OK
PS253	-	0	5.225	0.000	0.000		OK
RE236B	15 min Summer	8	5.155	0.055	5.098		OK
PS251	15 min Summer	8	4.965	0.065	5.070		OK
RE236A	-	0	5.100	0.000	0.000		OK
DF237	30 min Summer	24	5.120	0.020	1.541		OK
PS109	15 min Summer	12	4.956	0.206	2.597		Surcharged
RWP239A	15 min Summer	8	5.407	0.032	0.028		OK
RE239A	15 min Summer	8	5.407	0.057	5.997		OK
RWP238A	-	0	5.375	0.000	0.000		OK
PS255	15 min Summer	10	5.039	0.039	5.042		OK
S53	15 min Summer	12	4.946	0.696	11.565		Surcharged
DF226	30 min Summer	24	5.199	0.024	1.646		OK
RWP227B	-	0	5.225	0.000	0.000		OK
PS115	15 min Summer	11	4.947	0.047	0.999		OK
S27	15 min Summer	11	4.941	0.766	22.723		Surcharged
PS793	15 min Summer	8	5.252	0.052	3.461		OK
RE221B	-	0	5.400	0.000	0.000		OK
PS792	15 min Summer	8	5.090	0.040	3.435		OK
RWP220C	-	0	5.350	0.000	0.000		OK
RE220A	15 min Summer	8	5.249	0.049	5.098		OK
DF220	60 min Summer	40	5.219	0.019	1.748		OK
RWP220A	-	0	5.350	0.000	0.000		OK
PS782	15 min Summer	11	4.923	0.073	5.233		OK
DF240	30 min Summer	24	5.254	0.029	1.630		OK
PS143	30 min Summer	25	5.173	0.023	1.628		OK
S135	15 min Summer	11	4.928	0.353	15.306		Surcharged
RE222A	15 min Summer	10	5.349	0.074	0.000		OK
RWP223E	15 min Summer	10	5.350	0.150	1.109		Surcharged
PS798	15 min Summer	10	5.349	0.199	8.009		Surcharged
ACO222	15 min Summer	8	5.184	0.034	2.369		OK
RWP222A	-	0	5.300	0.000	0.000		OK
PS90	15 min Summer	8	5.140	0.040	2.353		OK
RWP223C	-	0	5.200	0.000	0.000		OK
PS742	15 min Summer	11	5.074	0.074	9.150		OK
S151	15 min Summer	11	4.911	0.811	46.691		Surcharged
RE223A	-	0	4.900	0.000	0.000		OK
ACO224B	-	0	5.045	0.000	0.000		OK
PS829	15 min Summer	11	4.817	0.067	2.254		OK
PS744	15 min Summer	11	4.803	0.183	2.373		Surcharged
RWP225B	-	0	5.000	0.000	0.000		OK
RE225A	-	0	4.950	0.000	0.000		OK
PS830	-	0	4.850	0.000	0.000		OK
GY225	-	0	4.875	0.000	0.000		OK
PS746	15 min Summer	11	4.791	0.391	0.000		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
PS745	15 min Summer	11	4.790	0.468	2.596		Surcharged
S24	15 min Summer	11	4.789	0.764	60.798		Surcharged
RE202A	-	0	4.700	0.000	0.000		OK
PS666	1440 min Summer	1427	4.588	0.088	0.000		OK
RWP202B	-	0	4.700	0.000	0.000		OK
PS667	1440 min Summer	1436	4.589	0.339	0.080		Surcharged
S25	1440 min Summer	1436	4.589	0.739	1.021		Surcharged
RWP204C	-	0	4.800	0.000	0.000		OK
RE204A	-	0	4.750	0.000	0.000		OK
RWP204G	-	0	4.800	0.000	0.000		OK
ACO204	-	0	4.970	0.000	0.000		OK
PS649	15 min Summer	8	4.687	0.037	2.468		OK
RWP204E	-	0	4.800	0.000	0.000		OK
PS147	1440 min Summer	1437	4.589	0.139	0.143		Surcharged
DF204	30 min Summer	24	4.918	0.018	1.380		OK
RWP203A	-	0	4.900	0.000	0.000		OK
PS652	1440 min Summer	1437	4.588	0.338	0.103		Surcharged
S14	1440 min Summer	1448	4.588	0.588	0.031		Surcharged
RWP202D	-	0	4.700	0.000	0.000		OK
DF202	30 min Summer	23	4.620	0.020	1.300		OK
PS151	1440 min Summer	1434	4.588	0.138	0.046		OK
S15	1440 min Summer	1436	4.588	0.708	0.147		Surcharged
S26	1440 min Summer	1436	4.588	0.788	1.010		Surcharged
RE201A	-	0	4.650	0.000	0.000		OK
ACO201	-	0	4.670	0.000	0.000		OK
PS669	1440 min Summer	1437	4.588	0.088	0.000		OK
YG201A	-	0	4.600	0.000	0.000		OK
PS670	1440 min Summer	1437	4.588	0.138	0.033		Surcharged
RWP201A	-	0	4.700	0.000	0.000		OK
RE201B	-	0	4.650	0.000	0.000		OK
PS678	1440 min Summer	1436	4.588	0.088	0.030		OK
RWP200D	-	0	4.700	0.000	0.000		OK
PS157	1440 min Summer	1436	4.588	0.313	0.042		Surcharged
RWP200C	-	0	4.900	0.000	0.000		OK
RE200C	15 min Summer	8	4.839	0.039	1.959		OK
ACO200	15 min Summer	9	4.763	0.018	0.000		OK
PS799	15 min Summer	9	4.763	0.038	1.905		OK
RWP200F	-	0	4.900	0.000	0.000		OK
RWP200A	-	0	4.800	0.000	0.000		OK
PS200A	15 min Summer	9	4.737	0.037	1.916		OK
DF200	30 min Summer	24	4.770	0.020	1.574		OK
RWP200E	15 min Summer	8	4.741	0.041	5.204		OK
PS153	1440 min Summer	1427	4.589	0.064	0.076		OK
S131	1440 min Summer	1447	4.589	0.389	0.157		Surcharged
S132	1440 min Summer	1436	4.589	0.866	1.132		Surcharged
RWP199A	-	0	4.700	0.000	0.000		OK
PS680	1440 min Summer	1446	4.589	0.064	0.073		OK
RWP199C	-	0	4.700	0.000	0.000		OK
PS681	1440 min Summer	1459	4.589	0.214	0.030		Surcharged
RE200B	15 min Summer	8	4.711	0.061	7.165		OK
DF199	30 min Summer	23	4.765	0.015	1.188		OK
RWP199E	-	0	4.700	0.000	0.000		OK
PS155	1440 min Summer	1447	4.588	0.363	0.132		Surcharged
S16	1440 min Summer	1447	4.589	0.923	0.071		Surcharged
DF231	60 min Summer	40	4.921	0.021	1.156		OK
PS101	60 min Summer	40	4.817	0.017	1.156		OK
RWP195F	-	0	4.700	0.000	0.000		OK
GY195	15 min Summer	8	4.795	0.020	3.430		OK
PS98	1440 min Summer	1399	4.590	0.190	0.066		Surcharged
PS100	1440 min Summer	1399	4.590	0.265	0.065		Surcharged
S136	1440 min Summer	1399	4.589	0.339	0.044		Surcharged
RWP196A	-	0	4.800	0.000	0.000		OK
RE196B	-	0	4.650	0.000	0.000		OK
DF196	1440 min Summer	1431	4.588	0.088	0.073		OK
PS44	1440 min Summer	1431	4.588	0.238	0.111		Surcharged
S102	1440 min Summer	1431	4.588	0.588	0.327		Surcharged
RWP197F	-	0	4.900	0.000	0.000		OK
RE197B	15 min Summer	8	4.877	0.027	1.091		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
DF197	30 min Summer	23	4.773	0.023	1.261		OK
PS163	60 min Summer	35	4.680	0.030	1.532		OK
PS164	15 min Summer	8	4.610	0.060	6.270		OK
RWP197B	-	0	4.900	0.000	0.000		OK
PS165	1440 min Summer	1453	4.588	0.188	0.038		Surcharged
ACO198	-	0	5.045	0.000	0.000		OK
RE198B	-	0	5.000	0.000	0.000		OK
PS160	15 min Summer	8	4.914	0.064	5.514		OK
PS161	15 min Summer	8	4.759	0.059	5.477		OK
RE198A	15 min Summer	8	4.936	0.036	1.959		OK
RWP198E	-	0	5.075	0.000	0.000		OK
PS683	15 min Summer	8	4.833	0.033	1.943		OK
DF198	30 min Summer	25	4.800	0.025	1.802		OK
PS159	15 min Summer	8	4.636	0.036	7.375		OK
S22	1440 min Summer	1436	4.588	0.763	0.460		Surcharged
S17	1440 min Summer	1440	4.588	0.957	0.313		Surcharged
S18	1440 min Summer	1457	4.598	0.998	0.000		Surcharged
S19	1440 min Summer	1439	4.587	1.037	2.449		Surcharged
S20	1440 min Summer	1439	4.587	1.087	1.380		Surcharged
S21	15 min Summer	0	4.000	1.000	1.558		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	RWP228A	RE228A	0.000	0.000	0.000	0.000	OK
1.001	15 min Summer	0	RE228A	PS777	0.000	0.000	0.000	0.000	OK
2.000	15 min Summer	0	RWP228C	RE228B	0.000	0.000	0.000	0.000	OK
2.001	15 min Summer	0	RE228B	PS777	0.000	0.000	0.000	0.000	OK
1.002	15 min Summer	0	PS777	PS834	0.000	0.000	0.000	0.000	OK
1.003	15 min Summer	10	PS834	PS111	0.050	0.000	0.000	0.000	OK
3.000	30 min Summer	25	DF228	PS111	0.083	1.233	1.675	0.034	OK
1.004	15 min Winter	14	PS111	S28	0.150	1.073	2.780	0.066	Surcharged
1.005	15 min Winter	8	S28	S27	0.225	0.631	15.557	0.431	OK
4.000	15 min Summer	11	ACO235	RE235A	0.044	0.000	0.000	0.000	OK
5.000	15 min Summer	11	RWP235C	RE235A	0.044	0.000	0.000	0.000	OK
4.001	15 min Summer	11	RE235A	PS107	0.094	0.793	2.514	0.377	OK
6.000	15 min Summer	14	DF235	PS107	0.150	0.964	2.661	0.091	OK
7.000	15 min Summer	10	RWP235A	PS107	0.050	0.000	0.000	0.000	OK
4.002	30 min Summer	21	PS107	S54	0.150	1.339	3.992	0.082	Surcharged
4.003	15 min Winter	18	S54	S53	0.225	0.303	7.284	0.194	OK
8.000	15 min Summer	0	RWP239B	RE239B	0.000	0.000	0.000	0.000	OK
8.001	15 min Summer	0	RE239B	PS253	0.000	0.000	0.000	0.000	OK
9.000	15 min Summer	0	RWP238B	PS253	0.000	0.000	0.000	0.000	OK
8.002	15 min Summer	8	PS253	PS251	0.033	0.000	0.000	0.000	OK
10.000	15 min Summer	8	RE236B	PS251	0.060	1.035	5.070	0.595	OK
8.003	15 min Summer	12	PS251	PS109	0.081	1.257	5.054	0.715	OK
11.000	15 min Summer	10	RE236A	PS109	0.050	0.000	0.000	0.000	OK
12.000	30 min Summer	24	DF237	PS109	0.060	1.224	1.541	0.091	OK
8.004	30 min Summer	18	PS109	S53	0.100	1.763	4.522	0.231	Surcharged
13.000	15 min Summer	10	RWP239A	RE239A	0.045	0.079	0.145	0.019	OK
13.001	15 min Summer	8	RE239A	PS255	0.046	1.693	5.938	0.558	OK
14.000	15 min Summer	10	RWP238A	PS255	0.019	0.000	0.000	0.000	OK
13.002	15 min Summer	10	PS255	S53	0.069	2.195	5.921	0.258	OK
4.004	15 min Winter	14	S53	S27	0.225	0.567	15.294	0.383	OK
15.000	15 min Summer	17	DF226	PS115	0.030	1.236	1.462	0.105	OK
16.000	15 min Summer	11	RWP227B	PS115	0.023	0.000	0.000	0.000	OK
15.001	15 min Summer	17	PS115	S27	0.073	1.268	1.461	0.081	OK
1.006	15 min Winter	14	S27	S151	0.225	0.781	30.773	0.875	OK
17.000	15 min Summer	8	PS793	PS792	0.046	0.975	3.435	0.517	OK
18.000	15 min Summer	8	RE221B	PS792	0.020	0.000	0.000	0.000	OK
17.001	15 min Summer	8	PS792	PS782	0.040	1.169	3.411	0.335	OK
19.000	15 min Summer	8	RWP220C	RE220A	0.024	0.000	0.000	0.000	OK
19.001	15 min Summer	8	RE220A	PS782	0.049	1.332	5.074	0.481	OK
20.000	15 min Summer	17	DF220	PS782	0.042	1.026	1.537	0.029	OK
21.000	15 min Summer	11	RWP220A	PS782	0.012	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
17.002	15 min Summer	11	PS782	S135	0.112	1.484	8.456	0.277	OK
22.000	30 min Summer	25	DF240	PS143	0.026	1.004	1.628	0.182	OK
22.001	30 min Summer	25	PS143	S135	0.060	1.228	1.629	0.112	OK
17.003	30 min Summer	17	S135	S151	0.225	0.835	24.868	0.346	OK
23.000	15 min Summer	11	RE222A	PS798	0.087	0.174	1.039	0.128	OK
24.000	30 min Summer	19	RWP223E	PS798	0.100	0.282	1.878	0.198	Surcharged
23.001	15 min Summer	11	PS798	PS742	0.087	1.191	8.213	1.313	OK
25.000	15 min Summer	8	ACO222	PS90	0.037	0.888	2.353	0.246	OK
26.000	15 min Summer	8	RWP222A	PS90	0.020	0.000	0.000	0.000	OK
25.001	15 min Summer	10	PS90	PS742	0.055	0.680	2.333	0.344	OK
27.000	15 min Summer	11	RWP223C	PS742	0.037	0.000	0.000	0.000	OK
23.002	15 min Summer	11	PS742	S151	0.087	2.140	10.035	0.480	OK
1.007	30 min Summer	21	S151	S24	0.225	1.231	48.935	1.379	OK
28.000	15 min Summer	11	RE223A	PS829	0.034	0.000	0.000	0.000	OK
29.000	15 min Summer	11	ACO224B	PS829	0.034	0.000	0.000	0.000	OK
28.001	15 min Summer	11	PS829	PS744	0.084	1.053	4.746	0.775	OK
28.002	15 min Winter	10	PS744	PS745	0.100	1.245	4.365	0.377	Surcharged
30.000	15 min Summer	0	RWP225B	RE225A	0.000	0.000	0.000	0.000	OK
30.001	15 min Summer	0	RE225A	PS830	0.000	0.000	0.000	0.000	OK
30.002	15 min Summer	8	PS830	PS746	0.050	0.000	0.000	0.000	OK
31.000	15 min Summer	8	GY225	PS746	0.075	0.000	0.000	0.000	OK
30.003	15 min Winter	16	PS746	PS745	0.150	0.186	1.750	0.112	Surcharged
28.003	15 min Winter	14	PS745	S24	0.150	0.725	4.604	0.113	Surcharged
1.008	30 min Summer	20	S24	S25	0.225	1.574	62.572	1.697	OK
32.000	1440 min Summer	1427	RE202A	PS666	0.044	0.000	0.000	0.000	OK
32.001	1440 min Summer	1829	PS666	PS667	0.094	0.033	0.197	0.023	OK
33.000	360 min Summer	286	RWP202B	PS667	0.050	0.000	0.000	0.000	OK
32.002	1440 min Winter	1700	PS667	S25	0.150	0.019	0.336	0.007	Surcharged
1.009	15 min Winter	12	S25	S26	0.225	1.677	66.699	1.736	OK
34.000	15 min Summer	0	RWP204C	RE204A	0.000	0.000	0.000	0.000	OK
34.001	15 min Summer	8	RE204A	PS649	0.019	0.000	0.000	0.000	OK
35.000	15 min Summer	8	RWP204G	PS649	0.019	0.000	0.000	0.000	OK
36.000	15 min Summer	8	ACO204	PS649	0.019	0.000	0.000	0.000	OK
34.002	1440 min Winter	1088	PS649	PS147	0.052	0.343	0.104	0.013	OK
37.000	1440 min Summer	1050	RWP204E	PS147	0.050	0.000	0.000	0.000	OK
34.003	1440 min Winter	1385	PS147	PS652	0.100	0.324	0.218	0.031	Surcharged
38.000	1440 min Winter	1004	DF204	PS652	0.077	0.542	0.128	0.003	OK
39.000	360 min Summer	287	RWP203A	PS652	0.050	0.000	0.000	0.000	OK
34.004	480 min Summer	327	PS652	S14	0.150	0.620	0.845	0.034	Surcharged
34.005	120 min Summer	87	S14	S15	0.225	0.444	8.574	0.244	OK
40.000	1440 min Summer	1434	RWP202D	PS151	0.044	0.000	0.000	0.000	OK
41.000	1440 min Summer	1434	DF202	PS151	0.070	0.348	0.181	0.006	OK
40.001	1440 min Summer	1434	PS151	S15	0.144	0.590	0.624	0.014	OK
34.006	15 min Winter	9	S15	S26	0.225	0.665	26.437	0.748	OK
1.010	60 min Summer	59	S26	S132	0.375	0.991	94.877	0.956	Surcharged
42.000	1440 min Summer	1437	RE201A	PS669	0.044	0.000	0.000	0.000	OK
43.000	1440 min Summer	1437	ACO201	PS669	0.044	0.000	0.000	0.000	OK
42.001	1440 min Summer	2119	PS669	PS670	0.094	0.048	0.111	0.012	OK
44.000	1440 min Summer	1050	YG201A	PS670	0.050	0.000	0.000	0.000	OK
42.002	1440 min Winter	2362	PS670	PS157	0.100	0.028	0.129	0.019	Surcharged
45.000	15 min Summer	0	RWP201A	RE201B	0.000	0.000	0.000	0.000	OK
45.001	1440 min Summer	1436	RE201B	PS678	0.044	0.000	0.000	0.000	OK
45.002	1440 min Summer	1607	PS678	PS157	0.094	0.018	0.099	0.011	OK
46.000	240 min Summer	224	RWP200D	PS157	0.050	0.000	0.000	0.000	OK
42.003	480 min Summer	1446	PS157	S132	0.100	0.052	0.341	0.041	Surcharged
47.000	15 min Summer	8	RWP200C	RE200C	0.019	0.000	0.000	0.000	OK
47.001	15 min Summer	9	RE200C	PS799	0.038	0.709	1.943	0.321	OK
48.000	15 min Summer	11	ACO200	PS799	0.028	0.140	0.172	0.024	OK
47.002	15 min Summer	9	PS799	PS200A	0.038	0.709	1.916	0.315	OK
49.000	15 min Summer	9	RWP200F	PS200A	0.018	0.000	0.000	0.000	OK
50.000	15 min Summer	9	RWP200A	PS200A	0.018	0.000	0.000	0.000	OK
47.003	15 min Summer	9	PS200A	PS153	0.037	0.727	1.917	0.294	OK
51.000	1440 min Summer	1427	DF200	PS153	0.033	0.471	0.239	0.006	OK
52.000	15 min Summer	8	RWP200E	PS153	0.041	1.698	5.185	0.356	OK
47.004	1440 min Summer	1427	PS153	S132	0.107	0.696	0.708	0.013	OK
53.000	360 min Summer	237	S131	S132	0.150	0.685	0.802	0.022	Surcharged
1.011	60 min Winter	40	S132	S16	0.375	0.973	83.057	0.837	Surcharged
54.000	1440 min Summer	1446	RWP199A	PS680	0.032	0.000	0.000	0.000	OK

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
54.001	1440 min Summer	1858	PS680	PS681	0.082	0.042	0.200	0.030	OK
55.000	600 min Summer	508	RWP199C	PS681	0.050	0.000	0.000	0.000	OK
54.002	960 min Summer	1009	PS681	PS155	0.100	0.040	0.314	0.059	Surcharged
56.000	15 min Summer	8	RE200B	PS155	0.061	1.430	7.128	0.684	OK
57.000	720 min Summer	422	DF199	PS155	0.078	0.386	0.276	0.005	OK
58.000	240 min Summer	225	RWP199E	PS155	0.050	0.000	0.000	0.000	OK
54.003	360 min Summer	257	PS155	S16	0.150	0.873	1.867	0.052	Surcharged
1.012	30 min Winter	26	S16	S17	0.375	1.161	115.990	1.169	Surcharged
59.000	60 min Summer	40	DF231	PS101	0.019	0.860	1.156	0.042	OK
59.001	1440 min Winter	1088	PS101	PS98	0.077	0.177	0.119	0.003	OK
60.000	1440 min Summer	1050	RWP195F	PS98	0.050	0.000	0.000	0.000	OK
61.000	1440 min Winter	1088	GY195	PS98	0.076	0.233	0.144	0.002	OK
59.002	1440 min Winter	1088	PS98	PS100	0.150	0.406	0.494	0.032	Surcharged
59.003	720 min Summer	541	PS100	S136	0.150	0.538	1.332	0.083	Surcharged
59.004	480 min Summer	328	S136	S102	0.150	0.554	1.824	0.125	Surcharged
62.000	15 min Summer	0	RWP196A	RE196B	0.000	0.000	0.000	0.000	OK
62.001	720 min Summer	624	RE196B	PS44	0.050	0.000	0.000	0.000	OK
63.000	1440 min Summer	1431	DF196	PS44	0.119	0.397	0.257	0.010	OK
62.002	1440 min Summer	892	PS44	S102	0.150	0.632	1.359	0.038	Surcharged
59.005	180 min Summer	111	S102	S22	0.225	0.705	14.741	0.401	OK
64.000	15 min Summer	8	RWP197F	RE197B	0.014	0.000	0.000	0.000	OK
64.001	15 min Summer	8	RE197B	PS163	0.027	0.629	1.079	0.161	OK
65.000	30 min Summer	23	DF197	PS163	0.026	0.608	1.261	0.052	OK
64.002	15 min Summer	15	PS163	PS164	0.042	0.555	1.273	0.074	OK
64.003	1440 min Summer	1409	PS164	PS165	0.094	0.601	0.587	0.030	OK
66.000	1440 min Summer	1050	RWP197B	PS165	0.050	0.000	0.000	0.000	OK
64.004	1440 min Winter	1088	PS165	S22	0.150	0.550	0.376	0.009	Surcharged
67.000	15 min Summer	0	ACO198	RE198B	0.000	0.000	0.000	0.000	OK
67.001	15 min Summer	8	RE198B	PS160	0.032	0.000	0.000	0.000	OK
67.002	15 min Summer	8	PS160	PS161	0.062	1.075	5.477	0.745	OK
67.003	15 min Summer	8	PS161	PS159	0.048	1.481	5.447	0.638	OK
68.000	15 min Summer	8	RE198A	PS683	0.035	0.797	1.943	0.281	OK
69.000	15 min Summer	8	RWP198E	PS683	0.017	0.000	0.000	0.000	OK
68.001	15 min Summer	8	PS683	PS159	0.035	0.800	1.928	0.241	OK
70.000	60 min Summer	40	DF198	PS159	0.026	0.989	1.811	0.059	OK
67.004	15 min Summer	9	PS159	S22	0.093	1.648	7.352	0.126	OK
59.006	30 min Winter	29	S22	S17	0.225	1.176	38.101	0.976	OK
1.013	30 min Winter	24	S17	S18	0.375	1.605	153.065	1.544	Surcharged
1.014	15 min Winter	27	S18	S19	0.375	3.471	172.655	0.791	Surcharged
1.015	180 min Summer	105	S19	S20	0.375	0.017	1.850	0.009	Surcharged
1.016	120 min Winter	265	S20	S21	0.225	0.042	1.650	0.013	OK

Permeable Paving Storage

Permeable Paving	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
Permeable Paving59	30 min Summer	24	5.198	0.039	1.743		OK
Permeable Paving55	30 min Summer	24	5.144	0.037	1.575		OK
Permeable Paving56	30 min Summer	24	5.383	0.036	1.531		OK
Permeable Paving57	30 min Summer	24	5.336	0.038	1.696		OK
Permeable Paving49	60 min Summer	40	5.420	0.040	1.740		OK
Permeable Paving68	30 min Summer	24	5.485	0.038	1.670		OK
Permeable Paving74	30 min Summer	23	5.104	0.034	1.437		OK
Permeable Paving76	30 min Summer	23	4.820	0.033	1.312		OK
Permeable Paving73	30 min Summer	24	4.957	0.037	1.581		OK
Permeable Paving26	1440 min Summer	1448	4.588	0.094	0.019		OK
Permeable Paving72	30 min Summer	23	4.978	0.031	1.156		OK
Permeable Paving88	60 min Summer	40	5.018	0.039	1.148		OK
Permeable Paving28	30 min Summer	24	4.832	0.038	1.702		OK
Permeable Paving70	30 min Summer	23	5.067	0.032	1.257		OK
Permeable Paving71	60 min Summer	40	5.104	0.041	1.829		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
RWP228A	30 min Summer	21	5.160	0.010	0.167		OK
RE228A	30 min Summer	21	5.160	0.060	0.221		OK
RWP228C	30 min Summer	21	5.160	0.010	0.159		OK
RE228B	30 min Summer	21	5.160	0.060	0.210		OK
PS777	30 min Summer	21	5.159	0.144	0.468		Surcharged
PS834	30 min Summer	21	5.159	0.159	0.480		Surcharged
DF228	30 min Summer	20	5.160	0.185	1.889		Surcharged
PS111	30 min Summer	20	5.158	0.408	1.928		Surcharged
S28	30 min Summer	20	5.157	0.857	10.565		Surcharged
ACO235	15 min Summer	12	5.170	0.200	0.000		Surcharged
RWP235C	15 min Summer	12	5.169	0.169	0.000		Surcharged
RE235A	15 min Summer	12	5.169	0.294	1.233		Surcharged
DF235	15 min Summer	12	5.160	0.360	1.613		Surcharged
RWP235A	15 min Summer	12	5.160	0.160	0.000		Surcharged
PS107	15 min Summer	12	5.160	0.460	1.590		Surcharged
S54	15 min Summer	12	5.158	0.808	0.104		Surcharged
RWP239B	-	0	5.375	0.000	0.000		OK
RE239B	-	0	5.350	0.000	0.000		OK
RWP238B	-	0	5.375	0.000	0.000		OK
PS253	-	0	5.225	0.000	0.000		OK
RE236B	15 min Summer	11	5.196	0.096	3.106		OK
PS251	15 min Summer	12	5.180	0.280	2.174		Surcharged
RE236A	30 min Summer	21	5.170	0.070	0.000		OK
DF237	30 min Summer	21	5.171	0.071	1.975		OK
PS109	30 min Summer	21	5.169	0.419	3.957		Surcharged
RWP239A	15 min Summer	8	5.417	0.042	0.013		OK
RE239A	15 min Summer	8	5.417	0.067	7.776		OK
RWP238A	-	0	5.375	0.000	0.000		OK
PS255	15 min Summer	11	5.165	0.165	4.182		Surcharged
S53	30 min Summer	20	5.154	0.904	10.189		Surcharged
DF226	30 min Summer	23	5.202	0.027	2.237		OK
RWP227B	-	0	5.225	0.000	0.000		OK
PS115	30 min Summer	20	5.154	0.254	1.832		Surcharged
S27	30 min Summer	20	5.148	0.973	24.391		Surcharged
PS793	15 min Summer	8	5.261	0.061	4.489		OK
RE221B	-	0	5.400	0.000	0.000		OK
PS792	15 min Summer	11	5.181	0.131	2.373		Surcharged
RWP220C	-	0	5.350	0.000	0.000		OK
RE220A	15 min Summer	10	5.257	0.057	5.258		OK
DF220	30 min Summer	24	5.221	0.021	2.362		OK
RWP220A	-	0	5.350	0.000	0.000		OK
PS782	15 min Summer	11	5.169	0.319	7.214		Surcharged
DF240	30 min Summer	23	5.259	0.034	2.215		OK
PS143	30 min Summer	23	5.176	0.026	2.213		OK
S135	15 min Summer	11	5.157	0.582	20.968		Surcharged
RE222A	15 min Summer	10	5.487	0.212	0.483		Surcharged
RWP223E	15 min Summer	10	5.489	0.289	1.437		Flood Risk
PS798	15 min Summer	10	5.488	0.338	9.469		Surcharged
ACO222	15 min Summer	12	5.246	0.096	0.895		OK
RWP222A	-	0	5.300	0.000	0.000		OK
PS90	15 min Summer	12	5.243	0.143	0.644		Surcharged
RWP223C	15 min Summer	12	5.240	0.040	0.000		OK
PS742	15 min Summer	12	5.241	0.241	8.538		Surcharged
S151	15 min Summer	11	5.121	1.021	48.212		Surcharged
RE223A	15 min Summer	11	5.026	0.126	0.502		Surcharged
ACO224B	-	0	5.045	0.000	0.000		OK
PS829	15 min Summer	11	5.023	0.273	2.921		Surcharged
PS744	15 min Summer	11	5.004	0.384	2.280		Surcharged
RWP225B	15 min Summer	12	5.002	0.002	0.000		OK
RE225A	15 min Summer	11	4.994	0.044	0.839		OK
PS830	15 min Summer	11	4.994	0.144	1.345		Surcharged
GY225	15 min Summer	11	4.995	0.120	0.000		OK
PS746	15 min Summer	11	4.995	0.595	1.303		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
PS745	15 min Summer	11	4.993	0.670	2.230		Surcharged
S24	15 min Summer	11	4.990	0.965	64.321		Surcharged
RE202A	1440 min Summer	1438	4.728	0.028	0.000		OK
PS666	1440 min Summer	1440	4.728	0.228	0.026		Surcharged
RWP202B	1440 min Summer	1441	4.728	0.028	0.041		OK
PS667	1440 min Summer	1437	4.728	0.478	0.124		Surcharged
S25	1440 min Summer	1440	4.728	0.878	0.246		Surcharged
RWP204C	-	0	4.800	0.000	0.000		OK
RE204A	-	0	4.750	0.000	0.000		OK
RWP204G	-	0	4.800	0.000	0.000		OK
ACO204	-	0	4.970	0.000	0.000		OK
PS649	1440 min Summer	1438	4.729	0.079	0.032		OK
RWP204E	-	0	4.800	0.000	0.000		OK
PS147	1440 min Summer	1438	4.728	0.278	0.053		Surcharged
DF204	30 min Summer	23	4.921	0.021	1.874		OK
RWP203A	-	0	4.900	0.000	0.000		OK
PS652	1440 min Summer	1439	4.728	0.478	0.067		Surcharged
S14	1440 min Summer	1439	4.728	0.728	0.109		Surcharged
RWP202D	1440 min Summer	1439	4.728	0.028	0.028		OK
DF202	1440 min Summer	1442	4.728	0.128	0.016		OK
PS151	1440 min Summer	1439	4.728	0.278	0.034		Surcharged
S15	1440 min Summer	1439	4.728	0.848	0.179		Surcharged
S26	1440 min Summer	1441	4.728	0.928	0.358		Surcharged
RE201A	1440 min Summer	1431	4.728	0.078	0.016		OK
ACO201	1440 min Summer	1439	4.728	0.058	0.004		OK
PS669	1440 min Summer	1440	4.728	0.228	0.039		Surcharged
YG201A	1440 min Summer	1440	4.728	0.128	0.030		Surcharged
PS670	1440 min Summer	1440	4.728	0.278	0.024		Surcharged
RWP201A	1440 min Summer	1439	4.728	0.028	0.015		OK
RE201B	1440 min Summer	1439	4.728	0.078	0.028		OK
PS678	1440 min Summer	1439	4.728	0.228	0.011		Surcharged
RWP200D	1440 min Summer	1440	4.728	0.028	0.000		OK
PS157	1440 min Summer	1439	4.728	0.453	0.039		Surcharged
RWP200C	-	0	4.900	0.000	0.000		OK
RE200C	15 min Summer	8	4.845	0.045	2.541		OK
ACO200	15 min Summer	9	4.769	0.024	0.000		OK
PS799	15 min Summer	9	4.769	0.044	2.467		OK
RWP200F	-	0	4.900	0.000	0.000		OK
RWP200A	-	0	4.800	0.000	0.000		OK
PS200A	15 min Summer	9	4.743	0.043	2.484		OK
DF200	30 min Summer	23	4.773	0.023	2.138		OK
RWP200E	15 min Summer	8	4.748	0.048	6.749		OK
PS153	1440 min Summer	1439	4.728	0.203	0.079		Surcharged
S131	1440 min Summer	1438	4.728	0.528	0.051		Flood Risk
S132	1440 min Summer	1439	4.728	1.005	0.716		Surcharged
RWP199A	1440 min Summer	1438	4.729	0.029	0.000		OK
PS680	1440 min Summer	1438	4.729	0.204	0.046		Surcharged
RWP199C	1440 min Summer	1441	4.729	0.029	0.047		OK
PS681	1440 min Summer	1437	4.728	0.353	0.110		Surcharged
RE200B	1440 min Summer	1437	4.729	0.079	0.024		OK
DF199	30 min Summer	22	4.768	0.018	1.616		OK
RWP199E	1440 min Summer	1439	4.728	0.028	0.043		OK
PS155	1440 min Summer	1437	4.728	0.503	0.098		Surcharged
S16	1440 min Summer	1439	4.728	1.063	0.573		Surcharged
DF231	30 min Summer	24	4.925	0.025	1.563		OK
PS101	30 min Summer	24	4.820	0.020	1.566		OK
RWP195F	1440 min Summer	1438	4.729	0.029	0.005		OK
GY195	15 min Summer	8	4.798	0.023	4.449		OK
PS98	1440 min Summer	1438	4.729	0.329	0.044		Surcharged
PS100	1440 min Summer	1438	4.729	0.404	0.031		Surcharged
S136	1440 min Summer	1438	4.728	0.478	0.027		Surcharged
RWP196A	-	0	4.800	0.000	0.000		OK
RE196B	1440 min Summer	1437	4.728	0.078	0.042		OK
DF196	1440 min Summer	1437	4.728	0.228	0.027		Surcharged
PS44	1440 min Summer	1437	4.728	0.378	0.070		Surcharged
S102	1440 min Summer	1437	4.728	0.728	0.110		Surcharged
RWP197F	-	0	4.900	0.000	0.000		OK
RE197B	15 min Summer	8	4.881	0.031	1.415		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
DF197	30 min Summer	22	4.777	0.027	1.714		OK
PS163	1440 min Summer	1437	4.729	0.079	0.091		OK
PS164	1440 min Summer	1437	4.729	0.179	0.090		Surcharged
RWP197B	-	0	4.900	0.000	0.000		OK
PS165	1440 min Summer	1440	4.728	0.328	0.156		Surcharged
ACO198	-	0	5.045	0.000	0.000		OK
RE198B	-	0	5.000	0.000	0.000		OK
PS160	15 min Summer	8	4.929	0.079	7.151		OK
PS161	15 min Summer	8	4.770	0.070	7.091		OK
RE198A	15 min Summer	8	4.942	0.042	2.541		OK
RWP198E	-	0	5.075	0.000	0.000		OK
PS683	15 min Summer	8	4.838	0.038	2.522		OK
DF198	30 min Summer	24	4.804	0.029	2.441		OK
PS159	1440 min Summer	1437	4.728	0.128	0.125		OK
S22	1440 min Summer	1440	4.728	0.903	0.342		Surcharged
S17	1440 min Summer	1442	4.728	1.098	1.224		Surcharged
S18	1440 min Summer	1435	4.728	1.128	1.933		Flood Risk
S19	1440 min Summer	1436	4.728	1.178	0.898		Surcharged
S20	1440 min Summer	1436	4.728	1.228	1.518		Flood Risk
S21	15 min Summer	0	4.000	1.000	1.558		Outfall

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
1.000	30 min Summer	22	RWP228A	RE228A	0.035	0.061	0.125	0.010	OK
1.001	30 min Summer	24	RE228A	PS777	0.080	0.088	0.435	0.070	OK
2.000	30 min Summer	22	RWP228C	RE228B	0.035	0.061	0.121	0.009	OK
2.001	30 min Summer	24	RE228B	PS777	0.080	0.089	0.442	0.069	OK
1.002	30 min Summer	24	PS777	PS834	0.100	0.270	1.294	0.248	Surcharged
1.003	15 min Winter	15	PS834	PS111	0.100	0.315	2.093	0.292	Surcharged
3.000	15 min Winter	16	DF228	PS111	0.150	1.184	3.254	0.065	Surcharged
1.004	15 min Winter	16	PS111	S28	0.150	0.969	6.432	0.153	Surcharged
1.005	15 min Winter	9	S28	S27	0.225	0.632	17.894	0.496	OK
4.000	15 min Winter	16	ACO235	RE235A	0.100	0.135	0.776	0.077	Surcharged
5.000	30 min Winter	27	RWP235C	RE235A	0.100	0.433	2.153	0.098	Surcharged
4.001	15 min Winter	17	RE235A	PS107	0.100	0.812	3.646	0.547	Surcharged
6.000	15 min Winter	18	DF235	PS107	0.150	0.992	4.079	0.139	Surcharged
7.000	15 min Winter	16	RWP235A	PS107	0.100	0.160	1.037	0.035	Surcharged
4.002	15 min Winter	18	PS107	S54	0.150	1.401	8.601	0.176	Surcharged
4.003	15 min Winter	18	S54	S53	0.225	0.317	12.616	0.337	OK
8.000	15 min Summer	0	RWP239B	RE239B	0.000	0.000	0.000	0.000	OK
8.001	15 min Summer	0	RE239B	PS253	0.000	0.000	0.000	0.000	OK
9.000	15 min Summer	0	RWP238B	PS253	0.000	0.000	0.000	0.000	OK
8.002	15 min Summer	9	PS253	PS251	0.050	0.000	0.000	0.000	OK
10.000	15 min Summer	11	RE236B	PS251	0.098	1.109	6.574	0.772	OK
8.003	15 min Winter	9	PS251	PS109	0.100	1.290	6.087	0.861	Surcharged
11.000	30 min Summer	24	RE236A	PS109	0.085	0.082	0.449	0.041	OK
12.000	30 min Summer	23	DF237	PS109	0.085	1.192	2.521	0.149	OK
8.004	15 min Winter	18	PS109	S53	0.100	1.795	5.308	0.271	Surcharged
13.000	15 min Summer	11	RWP239A	RE239A	0.054	0.125	0.255	0.033	OK
13.001	15 min Summer	10	RE239A	PS255	0.078	1.762	7.779	0.731	OK
14.000	15 min Summer	10	RWP238A	PS255	0.050	0.000	0.000	0.000	OK
13.002	15 min Winter	11	PS255	S53	0.100	2.130	7.040	0.306	Surcharged
4.004	15 min Winter	18	S53	S27	0.225	0.572	22.521	0.563	OK
15.000	30 min Summer	23	DF226	PS115	0.064	1.313	2.235	0.160	OK
16.000	15 min Summer	10	RWP227B	PS115	0.050	0.000	0.000	0.000	OK
15.001	15 min Winter	17	PS115	S27	0.100	1.178	3.482	0.193	Surcharged
1.006	15 min Winter	17	S27	S151	0.225	0.958	38.080	1.083	OK
17.000	15 min Summer	10	PS793	PS792	0.076	1.041	4.456	0.670	OK
18.000	15 min Summer	10	RE221B	PS792	0.050	0.000	0.000	0.000	OK
17.001	30 min Summer	19	PS792	PS782	0.100	1.203	3.932	0.387	Surcharged
19.000	15 min Summer	10	RWP220C	RE220A	0.029	0.000	0.000	0.000	OK
19.001	15 min Summer	10	RE220A	PS782	0.079	1.419	6.581	0.624	OK
20.000	30 min Summer	24	DF220	PS782	0.086	0.965	2.363	0.044	OK
21.000	15 min Summer	9	RWP220A	PS782	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
17.002	15 min Winter	9	PS782	S135	0.150	1.516	10.190	0.334	Surcharged
22.000	30 min Summer	23	DF240	PS143	0.030	1.099	2.213	0.247	OK
22.001	30 min Summer	23	PS143	S135	0.063	1.182	2.211	0.151	OK
17.003	15 min Winter	8	S135	S151	0.225	0.899	28.722	0.400	OK
23.000	15 min Winter	13	RE222A	PS798	0.100	0.157	1.105	0.137	Surcharged
24.000	30 min Summer	15	RWP223E	PS798	0.100	0.354	2.037	0.215	Surcharged
23.001	15 min Winter	9	PS798	PS742	0.100	1.208	8.906	1.424	Surcharged
25.000	15 min Summer	12	ACO222	PS90	0.098	0.948	3.052	0.319	OK
26.000	15 min Summer	11	RWP222A	PS90	0.050	0.000	0.000	0.000	OK
25.001	15 min Winter	11	PS90	PS742	0.100	0.721	2.800	0.413	Surcharged
27.000	15 min Summer	13	RWP223C	PS742	0.070	0.099	0.505	0.028	OK
23.002	15 min Winter	9	PS742	S151	0.100	2.158	10.734	0.514	Surcharged
1.007	15 min Winter	15	S151	S24	0.225	1.387	55.147	1.554	OK
28.000	30 min Summer	23	RE223A	PS829	0.100	0.113	0.614	0.099	Surcharged
29.000	15 min Summer	9	ACO224B	PS829	0.050	0.000	0.000	0.000	OK
28.001	15 min Winter	9	PS829	PS744	0.100	1.070	5.710	0.932	Surcharged
28.002	15 min Winter	9	PS744	PS745	0.100	1.218	5.011	0.433	Surcharged
30.000	15 min Summer	12	RWP225B	RE225A	0.022	0.056	0.015	0.001	OK
30.001	15 min Summer	12	RE225A	PS830	0.072	0.138	0.800	0.103	OK
30.002	15 min Winter	14	PS830	PS746	0.100	0.148	0.931	0.082	Surcharged
31.000	15 min Summer	14	GY225	PS746	0.135	0.081	0.874	0.013	OK
30.003	15 min Winter	14	PS746	PS745	0.150	0.211	2.788	0.179	Surcharged
28.003	15 min Winter	14	PS745	S24	0.150	0.834	7.194	0.176	Surcharged
1.008	15 min Winter	14	S24	S25	0.225	1.733	68.917	1.869	OK
32.000	1440 min Summer	1535	RE202A	PS666	0.064	0.013	0.063	0.008	OK
32.001	1440 min Summer	2221	PS666	PS667	0.100	0.039	0.306	0.035	Surcharged
33.000	1440 min Summer	1483	RWP202B	PS667	0.064	0.022	0.113	0.004	OK
32.002	15 min Winter	13	PS667	S25	0.150	0.073	1.157	0.023	Surcharged
1.009	15 min Winter	13	S25	S26	0.225	1.866	74.175	1.930	OK
34.000	15 min Summer	0	RWP204C	RE204A	0.000	0.000	0.000	0.000	OK
34.001	1440 min Summer	1438	RE204A	PS649	0.039	0.000	0.000	0.000	OK
35.000	1440 min Summer	1438	RWP204G	PS649	0.039	0.000	0.000	0.000	OK
36.000	1440 min Summer	1438	ACO204	PS649	0.039	0.000	0.000	0.000	OK
34.002	1440 min Summer	1438	PS649	PS147	0.089	0.416	0.199	0.024	OK
37.000	360 min Summer	310	RWP204E	PS147	0.050	0.000	0.000	0.000	OK
34.003	480 min Summer	351	PS147	PS652	0.100	0.516	0.489	0.070	Surcharged
38.000	720 min Summer	439	DF204	PS652	0.079	0.777	0.421	0.010	OK
39.000	15 min Summer	9	RWP203A	PS652	0.050	0.000	0.000	0.000	OK
34.004	120 min Summer	107	PS652	S14	0.150	0.872	2.444	0.098	Surcharged
34.005	30 min Summer	18	S14	S15	0.225	0.458	17.127	0.488	OK
40.000	1440 min Summer	1515	RWP202D	PS151	0.064	0.011	0.053	0.005	OK
41.000	1440 min Summer	1442	DF202	PS151	0.139	0.370	0.222	0.007	OK
40.001	600 min Summer	480	PS151	S15	0.150	0.870	1.544	0.036	Surcharged
34.006	15 min Winter	10	S15	S26	0.225	0.816	32.461	0.918	OK
1.010	15 min Winter	10	S26	S132	0.375	1.113	122.900	1.239	Surcharged
42.000	1440 min Summer	2065	RE201A	PS669	0.089	0.020	0.087	0.011	OK
43.000	1440 min Summer	1558	ACO201	PS669	0.079	0.013	0.068	0.004	OK
42.001	960 min Winter	1031	PS669	PS670	0.100	0.036	0.135	0.015	Surcharged
44.000	1440 min Winter	1718	YG201A	PS670	0.100	0.013	0.072	0.003	Surcharged
42.002	720 min Winter	854	PS670	PS157	0.100	0.032	0.226	0.033	Surcharged
45.000	1440 min Summer	1629	RWP201A	RE201B	0.053	0.041	0.089	0.005	OK
45.001	1440 min Summer	2046	RE201B	PS678	0.089	0.015	0.068	0.010	OK
45.002	720 min Winter	929	PS678	PS157	0.100	0.016	0.117	0.013	Surcharged
46.000	1440 min Summer	1507	RWP200D	PS157	0.064	0.009	0.046	0.002	OK
42.003	1440 min Winter	4389	PS157	S132	0.100	0.053	0.380	0.045	Surcharged
47.000	15 min Summer	8	RWP200C	RE200C	0.022	0.000	0.000	0.000	OK
47.001	15 min Summer	8	RE200C	PS799	0.044	0.760	2.520	0.416	OK
48.000	15 min Summer	11	ACO200	PS799	0.034	0.105	0.167	0.023	OK
47.002	15 min Summer	9	PS799	PS200A	0.043	0.763	2.484	0.408	OK
49.000	15 min Summer	9	RWP200F	PS200A	0.021	0.000	0.000	0.000	OK
50.000	15 min Summer	9	RWP200A	PS200A	0.021	0.000	0.000	0.000	OK
47.003	1440 min Summer	1437	PS200A	PS153	0.064	0.351	0.158	0.024	OK
51.000	1440 min Winter	1052	DF200	PS153	0.077	0.441	0.190	0.005	OK
52.000	1440 min Summer	1437	RWP200E	PS153	0.064	0.821	0.420	0.029	OK
47.004	1440 min Summer	1021	PS153	S132	0.150	0.691	0.870	0.016	Surcharged
53.000	180 min Summer	111	S131	S132	0.150	0.811	1.644	0.045	Surcharged
1.011	30 min Summer	18	S132	S16	0.375	1.196	132.144	1.332	Surcharged
54.000	1440 min Summer	1619	RWP199A	PS680	0.064	0.014	0.060	0.003	OK

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
54.001	600 min Winter	823	PS680	PS681	0.100	0.036	0.278	0.042	Surcharged
55.000	1440 min Summer	1451	RWP199C	PS681	0.064	0.020	0.102	0.005	OK
54.002	480 min Winter	928	PS681	PS155	0.100	0.038	0.299	0.056	Surcharged
56.000	1440 min Summer	1437	RE200B	PS155	0.089	0.690	0.578	0.055	OK
57.000	240 min Summer	146	DF199	PS155	0.080	0.535	0.778	0.015	OK
58.000	1440 min Summer	1500	RWP199E	PS155	0.064	0.021	0.093	0.005	OK
54.003	180 min Summer	119	PS155	S16	0.150	1.091	3.792	0.106	Surcharged
1.012	30 min Summer	18	S16	S17	0.375	1.346	148.632	1.498	Surcharged
59.000	30 min Summer	24	DF231	PS101	0.022	0.943	1.566	0.057	OK
59.001	960 min Summer	577	PS101	PS98	0.078	0.239	0.311	0.008	OK
60.000	1440 min Summer	1439	RWP195F	PS98	0.064	0.012	0.066	0.006	OK
61.000	1440 min Summer	817	GY195	PS98	0.077	0.283	0.277	0.003	OK
59.002	480 min Summer	351	PS98	PS100	0.150	0.637	2.266	0.148	Surcharged
59.003	180 min Summer	173	PS100	S136	0.150	0.765	4.565	0.284	Surcharged
59.004	15 min Winter	11	S136	S102	0.150	0.770	11.075	0.759	Surcharged
62.000	1440 min Summer	1437	RWP196A	RE196B	0.039	0.000	0.000	0.000	OK
62.001	1440 min Summer	2022	RE196B	PS44	0.089	0.037	0.170	0.014	OK
63.000	960 min Summer	752	DF196	PS44	0.150	0.465	0.434	0.016	Surcharged
62.002	360 min Summer	253	PS44	S102	0.150	1.023	2.309	0.065	Surcharged
59.005	15 min Winter	9	S102	S22	0.225	1.041	41.403	1.126	OK
64.000	15 min Summer	8	RWP197F	RE197B	0.015	0.000	0.000	0.000	OK
64.001	15 min Summer	8	RE197B	PS163	0.031	0.678	1.400	0.209	OK
65.000	1440 min Summer	1437	DF197	PS163	0.041	0.331	0.213	0.009	OK
64.002	1440 min Summer	1437	PS163	PS164	0.114	0.279	0.301	0.017	OK
64.003	1440 min Winter	1160	PS164	PS165	0.150	0.558	0.461	0.023	Surcharged
66.000	360 min Summer	310	RWP197B	PS165	0.050	0.000	0.000	0.000	OK
64.004	480 min Summer	352	PS165	S22	0.150	0.816	1.728	0.042	Surcharged
67.000	15 min Summer	0	ACO198	RE198B	0.000	0.000	0.000	0.000	OK
67.001	15 min Summer	8	RE198B	PS160	0.039	0.000	0.000	0.000	OK
67.002	15 min Summer	8	PS160	PS161	0.074	1.137	7.091	0.964	OK
67.003	1440 min Summer	1440	PS161	PS159	0.065	0.629	0.445	0.052	OK
68.000	15 min Summer	8	RE198A	PS683	0.040	0.856	2.522	0.365	OK
69.000	15 min Summer	8	RWP198E	PS683	0.019	0.000	0.000	0.000	OK
68.001	1440 min Winter	1160	PS683	PS159	0.052	0.273	0.101	0.013	OK
70.000	1440 min Summer	1437	DF198	PS159	0.066	0.525	0.361	0.012	OK
67.004	1440 min Summer	1437	PS159	S22	0.139	0.704	0.961	0.016	OK
59.006	30 min Summer	17	S22	S17	0.225	1.414	56.233	1.441	OK
1.013	30 min Summer	20	S17	S18	0.375	1.899	203.989	2.057	Surcharged
1.014	15 min Winter	15	S18	S19	0.375	3.547	203.933	0.934	Surcharged
1.015	120 min Summer	68	S19	S20	0.375	0.019	2.072	0.011	Surcharged
1.016	240 min Winter	136	S20	S21	0.225	0.042	1.650	0.013	OK

Permeable Paving Storage

Permeable Paving	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
Permeable Paving59	30 min Summer	23	5.207	0.047	2.338		OK
Permeable Paving55	30 min Summer	22	5.165	0.058	2.392		OK
Permeable Paving56	30 min Summer	23	5.391	0.045	2.053		OK
Permeable Paving57	30 min Summer	23	5.344	0.047	2.275		OK
Permeable Paving49	30 min Summer	23	5.429	0.048	2.486		OK
Permeable Paving68	30 min Summer	23	5.494	0.046	2.240		OK
Permeable Paving74	30 min Summer	22	5.112	0.042	1.985		OK
Permeable Paving76	30 min Summer	22	4.827	0.040	1.811		OK
Permeable Paving73	30 min Summer	23	4.966	0.045	2.121		OK
Permeable Paving26	1440 min Summer	1438	4.728	0.234	0.042		OK
Permeable Paving72	30 min Summer	22	4.985	0.038	1.597		OK
Permeable Paving88	30 min Summer	23	5.027	0.048	1.640		OK
Permeable Paving28	30 min Summer	23	4.840	0.047	2.283		OK
Permeable Paving70	30 min Summer	22	5.075	0.039	1.736		OK
Permeable Paving71	30 min Summer	24	5.112	0.050	2.341		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
RWP228A	-	0	5.150	0.000	0.000		OK
RE228A	-	0	5.100	0.000	0.000		OK
RWP228C	-	0	5.150	0.000	0.000		OK
RE228B	-	0	5.100	0.000	0.000		OK
PS777	15 min Summer	12	5.044	0.029	0.355		OK
PS834	15 min Summer	12	5.045	0.045	0.419		OK
DF228	30 min Summer	20	5.044	0.069	1.543		OK
PS111	15 min Summer	11	5.040	0.290	1.426		Surcharged
S28	30 min Summer	20	5.043	0.743	10.651		Surcharged
ACO235	15 min Summer	12	5.061	0.091	0.000		OK
RWP235C	15 min Summer	12	5.060	0.060	0.000		OK
RE235A	15 min Summer	12	5.060	0.185	1.061		Surcharged
DF235	15 min Summer	12	5.048	0.248	1.055		Surcharged
RWP235A	15 min Summer	12	5.048	0.048	0.005		OK
PS107	15 min Summer	12	5.048	0.348	2.276		Surcharged
S54	15 min Summer	12	5.045	0.695	2.431		Surcharged
RWP239B	-	0	5.375	0.000	0.000		OK
RE239B	-	0	5.350	0.000	0.000		OK
RWP238B	-	0	5.375	0.000	0.000		OK
PS253	-	0	5.225	0.000	0.000		OK
RE236B	15 min Summer	8	5.159	0.059	5.706		OK
PS251	15 min Summer	11	5.066	0.166	2.943		Surcharged
RE236A	-	0	5.100	0.000	0.000		OK
DF237	30 min Summer	24	5.122	0.022	1.775		OK
PS109	30 min Summer	20	5.052	0.302	3.560		Surcharged
RWP239A	15 min Summer	8	5.411	0.036	0.032		OK
RE239A	15 min Summer	8	5.411	0.061	6.712		OK
RWP238A	-	0	5.375	0.000	0.000		OK
PS255	15 min Summer	10	5.055	0.055	5.623		OK
S53	15 min Summer	12	5.041	0.791	11.104		Surcharged
DF226	60 min Summer	39	5.200	0.025	1.890		OK
RWP227B	-	0	5.225	0.000	0.000		OK
PS115	30 min Summer	20	5.037	0.137	1.493		Surcharged
S27	15 min Summer	12	5.033	0.858	23.852		Surcharged
PS793	15 min Summer	8	5.256	0.056	3.874		OK
RE221B	-	0	5.400	0.000	0.000		OK
PS792	15 min Summer	8	5.092	0.042	3.846		OK
RWP220C	-	0	5.350	0.000	0.000		OK
RE220A	15 min Summer	8	5.252	0.052	5.706		OK
DF220	60 min Summer	40	5.220	0.020	2.020		OK
RWP220A	-	0	5.350	0.000	0.000		OK
PS782	15 min Summer	11	5.038	0.188	5.842		Surcharged
DF240	30 min Summer	24	5.257	0.032	1.884		OK
PS143	30 min Summer	24	5.174	0.024	1.885		OK
S135	15 min Summer	11	5.031	0.456	17.471		Surcharged
RE222A	15 min Summer	10	5.395	0.120	0.022		Surcharged
RWP223E	15 min Summer	10	5.398	0.198	1.241		Surcharged
PS798	15 min Summer	10	5.396	0.246	8.606		Surcharged
ACO222	15 min Summer	8	5.186	0.036	2.651		OK
RWP222A	-	0	5.300	0.000	0.000		OK
PS90	15 min Summer	11	5.153	0.053	1.410		OK
RWP223C	-	0	5.200	0.000	0.000		OK
PS742	15 min Summer	11	5.149	0.149	9.172		Surcharged
S151	15 min Summer	11	5.007	0.907	47.348		Surcharged
RE223A	15 min Summer	11	4.916	0.016	0.353		OK
ACO224B	-	0	5.045	0.000	0.000		OK
PS829	15 min Summer	11	4.911	0.161	2.519		Surcharged
PS744	15 min Summer	11	4.893	0.273	2.409		Surcharged
RWP225B	-	0	5.000	0.000	0.000		OK
RE225A	-	0	4.950	0.000	0.000		OK
PS830	15 min Summer	11	4.886	0.036	0.651		OK
GY225	15 min Summer	11	4.884	0.009	0.271		OK
PS746	15 min Summer	11	4.884	0.484	1.088		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
PS745	15 min Summer	11	4.881	0.558	2.561		Surcharged
S24	15 min Summer	11	4.878	0.853	62.273		Surcharged
RE202A	-	0	4.700	0.000	0.000		OK
PS666	1440 min Summer	1437	4.624	0.124	0.073		Surcharged
RWP202B	-	0	4.700	0.000	0.000		OK
PS667	1440 min Summer	1428	4.623	0.373	0.035		Surcharged
S25	1440 min Summer	1428	4.623	0.773	1.125		Surcharged
RWP204C	-	0	4.800	0.000	0.000		OK
RE204A	-	0	4.750	0.000	0.000		OK
RWP204G	-	0	4.800	0.000	0.000		OK
ACO204	-	0	4.970	0.000	0.000		OK
PS649	15 min Summer	8	4.690	0.040	2.763		OK
RWP204E	-	0	4.800	0.000	0.000		OK
PS147	1440 min Summer	1429	4.624	0.174	0.014		Surcharged
DF204	30 min Summer	23	4.920	0.020	1.601		OK
RWP203A	-	0	4.900	0.000	0.000		OK
PS652	1440 min Summer	1429	4.624	0.374	0.083		Surcharged
S14	1440 min Summer	1428	4.624	0.624	0.134		Surcharged
RWP202D	-	0	4.700	0.000	0.000		OK
DF202	1440 min Summer	1428	4.624	0.024	0.016		OK
PS151	1440 min Summer	1428	4.624	0.174	0.087		Surcharged
S15	1440 min Summer	1428	4.623	0.743	0.135		Surcharged
S26	1440 min Summer	1428	4.623	0.823	1.312		Surcharged
RE201A	-	0	4.650	0.000	0.000		OK
ACO201	-	0	4.670	0.000	0.000		OK
PS669	1440 min Summer	1438	4.624	0.124	0.000		Surcharged
YG201A	1440 min Summer	1438	4.624	0.024	0.000		OK
PS670	1440 min Summer	1438	4.624	0.174	0.034		Surcharged
RWP201A	-	0	4.700	0.000	0.000		OK
RE201B	-	0	4.650	0.000	0.000		OK
PS678	1440 min Summer	1428	4.624	0.124	0.013		Surcharged
RWP200D	-	0	4.700	0.000	0.000		OK
PS157	1440 min Summer	1438	4.623	0.348	0.049		Surcharged
RWP200C	-	0	4.900	0.000	0.000		OK
RE200C	15 min Summer	8	4.841	0.041	2.193		OK
ACO200	15 min Summer	9	4.766	0.021	0.000		OK
PS799	15 min Summer	9	4.766	0.041	2.130		OK
RWP200F	-	0	4.900	0.000	0.000		OK
RWP200A	-	0	4.800	0.000	0.000		OK
PS200A	15 min Summer	9	4.739	0.039	2.144		OK
DF200	30 min Summer	24	4.771	0.021	1.815		OK
RWP200E	15 min Summer	8	4.744	0.044	5.824		OK
PS153	1440 min Summer	1450	4.623	0.098	0.166		OK
S131	1440 min Summer	1427	4.624	0.424	0.373		Surcharged
S132	1440 min Summer	1428	4.623	0.900	1.329		Surcharged
RWP199A	-	0	4.700	0.000	0.000		OK
PS680	1440 min Summer	1428	4.625	0.100	0.000		OK
RWP199C	-	0	4.700	0.000	0.000		OK
PS681	1440 min Summer	1428	4.624	0.249	0.031		Surcharged
RE200B	15 min Summer	8	4.716	0.066	8.018		OK
DF199	30 min Summer	22	4.767	0.017	1.372		OK
RWP199E	-	0	4.700	0.000	0.000		OK
PS155	1440 min Summer	1447	4.623	0.398	0.179		Surcharged
S16	1440 min Summer	1435	4.624	0.958	0.422		Surcharged
DF231	60 min Summer	40	4.923	0.023	1.336		OK
PS101	60 min Summer	40	4.819	0.019	1.337		OK
RWP195F	-	0	4.700	0.000	0.000		OK
GY195	15 min Summer	8	4.797	0.022	3.839		OK
PS98	1440 min Summer	1426	4.623	0.223	0.069		Surcharged
PS100	1440 min Summer	1442	4.623	0.298	0.022		Surcharged
S136	1440 min Summer	1442	4.623	0.373	0.028		Surcharged
RWP196A	-	0	4.800	0.000	0.000		OK
RE196B	-	0	4.650	0.000	0.000		OK
DF196	1440 min Summer	1449	4.623	0.123	0.046		OK
PS44	1440 min Summer	1433	4.623	0.273	0.124		Surcharged
S102	1440 min Summer	1433	4.623	0.623	0.311		Surcharged
RWP197F	-	0	4.900	0.000	0.000		OK
RE197B	15 min Summer	8	4.879	0.029	1.221		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
DF197	30 min Summer	23	4.775	0.025	1.455		OK
PS163	60 min Summer	36	4.682	0.032	1.770		OK
PS164	1440 min Summer	1437	4.624	0.074	0.035		OK
RWP197B	-	0	4.900	0.000	0.000		OK
PS165	1440 min Summer	1427	4.623	0.223	0.069		Surcharged
ACO198	-	0	5.045	0.000	0.000		OK
RE198B	-	0	5.000	0.000	0.000		OK
PS160	15 min Summer	8	4.920	0.070	6.171		OK
PS161	15 min Summer	8	4.763	0.063	6.126		OK
RE198A	15 min Summer	8	4.939	0.039	2.193		OK
RWP198E	-	0	5.075	0.000	0.000		OK
PS683	15 min Summer	8	4.835	0.035	2.175		OK
DF198	30 min Summer	25	4.802	0.027	2.073		OK
PS159	15 min Summer	8	4.638	0.038	8.253		OK
S22	1440 min Summer	1435	4.623	0.798	0.406		Surcharged
S17	1440 min Summer	1448	4.624	0.994	0.107		Surcharged
S18	1440 min Summer	1467	4.633	1.033	0.000		Surcharged
S19	1440 min Summer	1440	4.622	1.072	1.375		Surcharged
S20	1440 min Summer	1440	4.622	1.122	1.414		Surcharged
S21	15 min Summer	0	4.000	1.000	1.558		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	RWP228A	RE228A	0.000	0.000	0.000	0.000	OK
1.001	15 min Summer	12	RE228A	PS777	0.015	0.000	0.000	0.000	OK
2.000	15 min Summer	0	RWP228C	RE228B	0.000	0.000	0.000	0.000	OK
2.001	15 min Summer	12	RE228B	PS777	0.015	0.000	0.000	0.000	OK
1.002	15 min Summer	13	PS777	PS834	0.037	0.251	0.423	0.081	OK
1.003	15 min Summer	13	PS834	PS111	0.072	0.229	0.893	0.125	OK
3.000	30 min Summer	24	DF228	PS111	0.109	1.260	1.938	0.039	OK
1.004	30 min Summer	22	PS111	S28	0.150	0.999	4.413	0.105	Surcharged
1.005	15 min Winter	8	S28	S27	0.225	0.639	16.007	0.443	OK
4.000	15 min Summer	14	ACO235	RE235A	0.096	0.248	1.537	0.153	OK
5.000	15 min Summer	14	RWP235C	RE235A	0.080	0.230	1.073	0.049	OK
4.001	15 min Winter	11	RE235A	PS107	0.100	0.801	2.608	0.391	Surcharged
6.000	15 min Winter	16	DF235	PS107	0.150	1.001	3.721	0.127	Surcharged
7.000	15 min Summer	13	RWP235A	PS107	0.074	0.055	0.284	0.010	OK
4.002	30 min Summer	23	PS107	S54	0.150	1.291	5.943	0.121	Surcharged
4.003	15 min Winter	16	S54	S53	0.225	0.297	9.025	0.241	OK
8.000	15 min Summer	0	RWP239B	RE239B	0.000	0.000	0.000	0.000	OK
8.001	15 min Summer	0	RE239B	PS253	0.000	0.000	0.000	0.000	OK
9.000	15 min Summer	0	RWP238B	PS253	0.000	0.000	0.000	0.000	OK
8.002	15 min Summer	10	PS253	PS251	0.050	0.000	0.000	0.000	OK
10.000	15 min Summer	10	RE236B	PS251	0.076	1.064	5.674	0.666	OK
8.003	15 min Winter	11	PS251	PS109	0.100	1.264	5.246	0.742	Surcharged
11.000	15 min Summer	9	RE236A	PS109	0.050	0.000	0.000	0.000	OK
12.000	30 min Summer	24	DF237	PS109	0.061	1.233	1.777	0.105	OK
8.004	30 min Summer	17	PS109	S53	0.100	1.834	4.866	0.248	Surcharged
13.000	15 min Summer	10	RWP239A	RE239A	0.049	0.086	0.146	0.019	OK
13.001	15 min Summer	10	RE239A	PS255	0.053	1.738	6.646	0.625	OK
14.000	15 min Summer	10	RWP238A	PS255	0.027	0.000	0.000	0.000	OK
13.002	15 min Summer	10	PS255	S53	0.077	2.268	6.628	0.288	OK
4.004	15 min Winter	15	S53	S27	0.225	0.577	18.362	0.459	OK
15.000	30 min Summer	24	DF226	PS115	0.062	1.331	1.900	0.136	OK
16.000	15 min Summer	11	RWP227B	PS115	0.050	0.000	0.000	0.000	OK
15.001	30 min Summer	23	PS115	S27	0.100	1.175	2.775	0.154	Surcharged
1.006	15 min Winter	16	S27	S151	0.225	0.862	34.270	0.974	OK
17.000	15 min Summer	8	PS793	PS792	0.049	1.004	3.846	0.579	OK
18.000	15 min Summer	8	RE221B	PS792	0.021	0.000	0.000	0.000	OK
17.001	15 min Summer	10	PS792	PS782	0.069	1.204	3.819	0.375	OK
19.000	15 min Summer	8	RWP220C	RE220A	0.026	0.000	0.000	0.000	OK
19.001	15 min Summer	10	RE220A	PS782	0.073	1.370	5.680	0.538	OK
20.000	30 min Summer	24	DF220	PS782	0.084	0.945	2.015	0.038	OK
21.000	15 min Summer	10	RWP220A	PS782	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
17.002	30 min Summer	18	PS782	S135	0.150	1.485	8.904	0.292	Surcharged
22.000	30 min Summer	24	DF240	PS143	0.028	1.049	1.885	0.210	OK
22.001	30 min Summer	24	PS143	S135	0.062	1.259	1.885	0.129	OK
17.003	15 min Winter	9	S135	S151	0.225	0.902	27.303	0.380	OK
23.000	15 min Summer	12	RE222A	PS798	0.100	0.207	1.261	0.156	Surcharged
24.000	30 min Summer	20	RWP223E	PS798	0.100	0.317	1.901	0.200	Surcharged
23.001	15 min Winter	11	PS798	PS742	0.100	1.186	8.475	1.355	Surcharged
25.000	15 min Summer	11	ACO222	PS90	0.040	0.914	2.633	0.275	OK
26.000	15 min Summer	11	RWP222A	PS90	0.027	0.000	0.000	0.000	OK
25.001	15 min Summer	11	PS90	PS742	0.077	0.713	2.612	0.385	OK
27.000	15 min Summer	10	RWP223C	PS742	0.050	0.000	0.000	0.000	OK
23.002	15 min Winter	11	PS742	S151	0.100	2.066	10.256	0.491	Surcharged
1.007	30 min Summer	22	S151	S24	0.225	1.310	52.104	1.468	OK
28.000	15 min Summer	12	RE223A	PS829	0.058	0.044	0.128	0.021	OK
29.000	15 min Summer	10	ACO224B	PS829	0.050	0.000	0.000	0.000	OK
28.001	15 min Winter	11	PS829	PS744	0.100	1.039	4.939	0.806	Surcharged
28.002	30 min Summer	17	PS744	PS745	0.100	1.242	4.563	0.394	Surcharged
30.000	15 min Summer	0	RWP225B	RE225A	0.000	0.000	0.000	0.000	OK
30.001	15 min Summer	11	RE225A	PS830	0.018	0.000	0.000	0.000	OK
30.002	15 min Summer	12	PS830	PS746	0.068	0.145	0.686	0.061	OK
31.000	15 min Summer	12	GY225	PS746	0.080	0.007	0.056	0.001	OK
30.003	15 min Winter	18	PS746	PS745	0.150	0.204	1.981	0.127	Surcharged
28.003	15 min Winter	14	PS745	S24	0.150	0.775	5.519	0.135	Surcharged
1.008	30 min Summer	21	S24	S25	0.225	1.654	65.754	1.783	OK
32.000	1440 min Summer	1159	RE202A	PS666	0.050	0.000	0.000	0.000	OK
32.001	1440 min Winter	1996	PS666	PS667	0.100	0.037	0.215	0.025	Surcharged
33.000	240 min Summer	205	RWP202B	PS667	0.050	0.000	0.000	0.000	OK
32.002	1440 min Winter	1328	PS667	S25	0.150	0.019	0.336	0.007	Surcharged
1.009	30 min Summer	20	S25	S26	0.225	1.774	70.528	1.836	OK
34.000	15 min Summer	0	RWP204C	RE204A	0.000	0.000	0.000	0.000	OK
34.001	15 min Summer	8	RE204A	PS649	0.020	0.000	0.000	0.000	OK
35.000	15 min Summer	8	RWP204G	PS649	0.020	0.000	0.000	0.000	OK
36.000	15 min Summer	8	ACO204	PS649	0.020	0.000	0.000	0.000	OK
34.002	1440 min Winter	987	PS649	PS147	0.053	0.347	0.109	0.013	OK
37.000	720 min Summer	694	RWP204E	PS147	0.050	0.000	0.000	0.000	OK
34.003	960 min Summer	756	PS147	PS652	0.100	0.416	0.237	0.034	Surcharged
38.000	1440 min Summer	885	DF204	PS652	0.077	0.625	0.209	0.005	OK
39.000	240 min Summer	206	RWP203A	PS652	0.050	0.000	0.000	0.000	OK
34.004	360 min Summer	247	PS652	S14	0.150	0.674	1.109	0.045	Surcharged
34.005	15 min Winter	10	S14	S15	0.225	0.540	15.094	0.430	OK
40.000	1440 min Summer	1157	RWP202D	PS151	0.050	0.000	0.000	0.000	OK
41.000	1440 min Summer	1428	DF202	PS151	0.087	0.353	0.191	0.006	OK
40.001	1440 min Winter	1187	PS151	S15	0.150	0.635	0.421	0.010	Surcharged
34.006	15 min Winter	10	S15	S26	0.225	0.720	28.611	0.809	OK
1.010	30 min Summer	18	S26	S132	0.375	1.029	113.606	1.145	Surcharged
42.000	1440 min Summer	1158	RE201A	PS669	0.050	0.000	0.000	0.000	OK
43.000	1440 min Summer	1158	ACO201	PS669	0.050	0.000	0.000	0.000	OK
42.001	1440 min Winter	2348	PS669	PS670	0.100	0.036	0.078	0.008	Surcharged
44.000	1440 min Summer	1438	YG201A	PS670	0.062	0.012	0.052	0.002	OK
42.002	960 min Summer	1743	PS670	PS157	0.100	0.036	0.198	0.029	Surcharged
45.000	15 min Summer	0	RWP201A	RE201B	0.000	0.000	0.000	0.000	OK
45.001	1440 min Summer	1161	RE201B	PS678	0.050	0.000	0.000	0.000	OK
45.002	1440 min Winter	2103	PS678	PS157	0.100	0.020	0.108	0.012	Surcharged
46.000	180 min Summer	170	RWP200D	PS157	0.050	0.000	0.000	0.000	OK
42.003	960 min Summer	2754	PS157	S132	0.100	0.050	0.351	0.042	Surcharged
47.000	15 min Summer	8	RWP200C	RE200C	0.021	0.000	0.000	0.000	OK
47.001	15 min Summer	8	RE200C	PS799	0.041	0.732	2.175	0.360	OK
48.000	15 min Summer	11	ACO200	PS799	0.031	0.124	0.171	0.024	OK
47.002	15 min Summer	9	PS799	PS200A	0.040	0.733	2.144	0.352	OK
49.000	15 min Summer	9	RWP200F	PS200A	0.020	0.000	0.000	0.000	OK
50.000	15 min Summer	9	RWP200A	PS200A	0.020	0.000	0.000	0.000	OK
47.003	15 min Summer	9	PS200A	PS153	0.039	0.750	2.151	0.329	OK
51.000	1440 min Summer	1438	DF200	PS153	0.050	0.478	0.252	0.006	OK
52.000	15 min Summer	8	RWP200E	PS153	0.044	1.750	5.803	0.398	OK
47.004	1440 min Summer	1450	PS153	S132	0.124	0.694	0.747	0.014	OK
53.000	240 min Summer	166	S131	S132	0.150	0.769	1.126	0.031	Surcharged
1.011	30 min Summer	18	S132	S16	0.375	1.100	121.536	1.225	Surcharged
54.000	1440 min Summer	1428	RWP199A	PS680	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
54.001	1440 min Summer	1457	PS680	PS681	0.100	0.030	0.185	0.028	OK
55.000	360 min Summer	355	RWP199C	PS681	0.050	0.000	0.000	0.000	OK
54.002	1440 min Winter	1440	PS681	PS155	0.100	0.046	0.318	0.060	Surcharged
56.000	15 min Summer	8	RE200B	PS155	0.065	1.464	7.977	0.766	OK
57.000	600 min Summer	349	DF199	PS155	0.078	0.408	0.336	0.006	OK
58.000	180 min Summer	170	RWP199E	PS155	0.050	0.000	0.000	0.000	OK
54.003	240 min Summer	183	PS155	S16	0.150	1.011	2.681	0.075	Surcharged
1.012	30 min Summer	22	S16	S17	0.375	1.234	135.752	1.368	Surcharged
59.000	60 min Summer	40	DF231	PS101	0.021	0.900	1.337	0.049	OK
59.001	1440 min Winter	988	PS101	PS98	0.077	0.180	0.126	0.003	OK
60.000	720 min Summer	695	RWP195F	PS98	0.050	0.000	0.000	0.000	OK
61.000	1440 min Winter	988	GY195	PS98	0.077	0.237	0.152	0.002	OK
59.002	960 min Summer	756	PS98	PS100	0.150	0.518	1.119	0.073	Surcharged
59.003	480 min Summer	389	PS100	S136	0.150	0.600	1.934	0.120	Surcharged
59.004	360 min Summer	247	S136	S102	0.150	0.602	2.405	0.165	Surcharged
62.000	15 min Summer	0	RWP196A	RE196B	0.000	0.000	0.000	0.000	OK
62.001	480 min Summer	447	RE196B	PS44	0.050	0.000	0.000	0.000	OK
63.000	1440 min Summer	1449	DF196	PS44	0.137	0.404	0.271	0.010	OK
62.002	480 min Winter	444	PS44	S102	0.150	0.858	1.519	0.043	Surcharged
59.005	15 min Winter	9	S102	S22	0.225	1.007	37.937	1.031	OK
64.000	15 min Summer	8	RWP197F	RE197B	0.014	0.000	0.000	0.000	OK
64.001	15 min Summer	8	RE197B	PS163	0.029	0.650	1.208	0.180	OK
65.000	30 min Summer	23	DF197	PS163	0.028	0.632	1.456	0.060	OK
64.002	30 min Summer	21	PS163	PS164	0.045	0.534	1.741	0.101	OK
64.003	1440 min Summer	1437	PS164	PS165	0.112	0.610	0.619	0.032	OK
66.000	720 min Summer	695	RWP197B	PS165	0.050	0.000	0.000	0.000	OK
64.004	960 min Summer	756	PS165	S22	0.150	0.601	0.853	0.021	Surcharged
67.000	15 min Summer	0	ACO198	RE198B	0.000	0.000	0.000	0.000	OK
67.001	15 min Summer	8	RE198B	PS160	0.035	0.000	0.000	0.000	OK
67.002	15 min Summer	8	PS160	PS161	0.067	1.104	6.126	0.833	OK
67.003	15 min Summer	8	PS161	PS159	0.051	1.526	6.093	0.714	OK
68.000	15 min Summer	8	RE198A	PS683	0.037	0.822	2.175	0.315	OK
69.000	15 min Summer	8	RWP198E	PS683	0.018	0.000	0.000	0.000	OK
68.001	15 min Summer	8	PS683	PS159	0.037	0.828	2.159	0.270	OK
70.000	60 min Summer	40	DF198	PS159	0.028	1.035	2.097	0.069	OK
67.004	15 min Summer	8	PS159	S22	0.094	1.548	8.228	0.141	OK
59.006	30 min Summer	24	S22	S17	0.225	1.277	50.333	1.289	OK
1.013	30 min Summer	22	S17	S18	0.375	1.759	184.254	1.858	Surcharged
1.014	30 min Summer	21	S18	S19	0.375	2.801	183.654	0.841	Surcharged
1.015	120 min Summer	71	S19	S20	0.375	0.017	1.930	0.010	Surcharged
1.016	720 min Winter	2658	S20	S21	0.225	0.042	1.650	0.013	OK

Permeable Paving Storage

Permeable Paving	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
Permeable Paving59	30 min Summer	24	5.202	0.042	1.906		OK
Permeable Paving55	30 min Summer	24	5.147	0.041	1.723		OK
Permeable Paving56	30 min Summer	23	5.386	0.040	1.856		OK
Permeable Paving57	30 min Summer	24	5.339	0.042	1.855		OK
Permeable Paving49	60 min Summer	40	5.424	0.044	1.946		OK
Permeable Paving68	30 min Summer	24	5.489	0.042	1.827		OK
Permeable Paving74	30 min Summer	23	5.107	0.037	1.584		OK
Permeable Paving76	30 min Summer	23	4.823	0.036	1.445		OK
Permeable Paving73	30 min Summer	24	4.961	0.041	1.729		OK
Permeable Paving26	1440 min Summer	1428	4.623	0.129	0.025		OK
Permeable Paving72	30 min Summer	22	4.981	0.034	1.424		OK
Permeable Paving88	60 min Summer	39	5.022	0.043	1.384		OK
Permeable Paving28	30 min Summer	24	4.836	0.042	1.862		OK
Permeable Paving70	30 min Summer	23	5.070	0.035	1.385		OK
Permeable Paving71	60 min Summer	40	5.108	0.045	2.047		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
RWP228A	30 min Summer	24	5.302	0.152	0.000		Surcharged
RE228A	30 min Summer	24	5.302	0.202	0.049		Surcharged
RWP228C	30 min Summer	24	5.302	0.152	0.000		Surcharged
RE228B	30 min Summer	24	5.302	0.202	0.050		Surcharged
PS777	30 min Summer	24	5.301	0.286	0.199		Surcharged
PS834	30 min Summer	24	5.300	0.300	0.258		Surcharged
DF228	30 min Summer	22	5.300	0.325	1.439		Surcharged
PS111	30 min Summer	22	5.299	0.549	2.029		Surcharged
S28	30 min Summer	20	5.297	0.997	13.048		Surcharged
ACO235	30 min Summer	23	5.304	0.334	0.024		Flood Risk
RWP235C	30 min Summer	23	5.304	0.304	0.029		Flood Risk
RE235A	30 min Summer	23	5.303	0.428	0.714		Flood Risk
DF235	30 min Summer	23	5.302	0.502	2.651		Flood Risk
RWP235A	30 min Summer	23	5.301	0.301	0.000		Flood Risk
PS107	30 min Summer	23	5.301	0.601	3.412		Surcharged
S54	30 min Summer	23	5.299	0.949	3.465		Surcharged
RWP239B	-	0	5.375	0.000	0.000		OK
RE239B	-	0	5.350	0.000	0.000		OK
RWP238B	-	0	5.375	0.000	0.000		OK
PS253	30 min Summer	20	5.348	0.123	0.094		Surcharged
RE236B	30 min Summer	19	5.373	0.273	3.908		Surcharged
PS251	30 min Summer	20	5.348	0.448	3.018		Surcharged
RE236A	30 min Summer	21	5.326	0.226	0.000		Surcharged
DF237	30 min Summer	21	5.336	0.236	2.757		Surcharged
PS109	30 min Summer	21	5.326	0.576	5.489		Surcharged
RWP239A	15 min Summer	10	5.441	0.066	0.178		OK
RE239A	15 min Summer	10	5.441	0.091	7.738		OK
RWP238A	-	0	5.375	0.000	0.000		OK
PS255	15 min Summer	11	5.332	0.332	5.965		Surcharged
S53	30 min Summer	20	5.300	1.050	14.072		Surcharged
DF226	30 min Summer	21	5.318	0.143	2.727		Surcharged
RWP227B	30 min Summer	20	5.307	0.082	0.066		OK
PS115	30 min Summer	20	5.307	0.407	2.395		Surcharged
S27	30 min Summer	20	5.297	1.122	16.192		Surcharged
PS793	30 min Summer	19	5.382	0.182	2.653		Surcharged
RE221B	-	0	5.400	0.000	0.000		OK
PS792	30 min Summer	19	5.361	0.311	2.557		Surcharged
RWP220C	15 min Summer	11	5.396	0.046	0.000		OK
RE220A	15 min Summer	11	5.395	0.195	4.108		Surcharged
DF220	30 min Summer	19	5.353	0.153	2.363		Surcharged
RWP220A	30 min Summer	20	5.352	0.002	0.000		OK
PS782	30 min Summer	19	5.352	0.502	8.597		Surcharged
DF240	30 min Summer	20	5.356	0.131	2.669		Surcharged
PS143	30 min Summer	20	5.349	0.199	2.678		Surcharged
S135	30 min Summer	19	5.336	0.761	25.736		Surcharged
RE222A	15 min Summer	11	5.676	0.401	0.000		Flood Risk
RWP223E	15 min Summer	11	5.676	0.476	1.060		Flood Risk
PS798	15 min Summer	11	5.674	0.524	8.458		Flood Risk
ACO222	30 min Summer	21	5.396	0.246	0.999		Surcharged
RWP222A	30 min Summer	21	5.396	0.096	0.000		OK
PS90	30 min Summer	21	5.396	0.296	1.162		Surcharged
RWP223C	30 min Summer	21	5.392	0.192	0.000		Surcharged
PS742	30 min Summer	21	5.392	0.392	8.086		Surcharged
S151	30 min Summer	20	5.280	1.180	48.534		Surcharged
RE223A	30 min Summer	20	5.195	0.295	0.000		Flood Risk
ACO224B	30 min Summer	20	5.193	0.148	0.000		Surcharged
PS829	30 min Summer	20	5.193	0.443	2.849		Surcharged
PS744	15 min Summer	11	5.164	0.544	2.405		Surcharged
RWP225B	30 min Summer	20	5.159	0.159	0.122		Surcharged
RE225A	30 min Summer	20	5.159	0.209	0.244		Surcharged
PS830	30 min Summer	20	5.157	0.307	0.304		Surcharged
GY225	15 min Summer	11	5.154	0.279	0.004		Surcharged
PS746	15 min Summer	11	5.153	0.753	3.391		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
PS745	15 min Summer	11	5.152	0.829	3.155		Surcharged
S24	30 min Summer	19	5.149	1.124	67.372		Surcharged
RE202A	1440 min Summer	1438	4.890	0.190	0.001		Surcharged
PS666	1440 min Summer	1446	4.890	0.390	0.018		Surcharged
RWP202B	1440 min Summer	1433	4.891	0.191	0.116		Surcharged
PS667	1440 min Summer	1446	4.891	0.641	0.052		Surcharged
S25	1440 min Summer	1446	4.890	1.040	0.220		Surcharged
RWP204C	1440 min Summer	1443	4.890	0.090	0.000		OK
RE204A	1440 min Summer	1444	4.890	0.140	0.097		Surcharged
RWP204G	1440 min Summer	1448	4.890	0.090	0.000		OK
ACO204	-	0	4.970	0.000	0.000		OK
PS649	1440 min Summer	1448	4.890	0.240	0.022		Surcharged
RWP204E	1440 min Summer	1442	4.890	0.090	0.013		OK
PS147	1440 min Summer	1442	4.890	0.440	0.111		Surcharged
DF204	30 min Summer	22	4.925	0.025	2.524		OK
RWP203A	-	0	4.900	0.000	0.000		OK
PS652	1440 min Summer	1435	4.890	0.640	0.053		Surcharged
S14	1440 min Summer	1443	4.890	0.890	0.113		Surcharged
RWP202D	1440 min Summer	1448	4.891	0.191	0.117		Surcharged
DF202	1440 min Summer	1444	4.890	0.290	0.141		Surcharged
PS151	1440 min Summer	1446	4.890	0.440	0.139		Surcharged
S15	1440 min Summer	1431	4.890	1.010	0.264		Flood Risk
S26	1440 min Summer	1446	4.890	1.090	0.270		Flood Risk
RE201A	1440 min Summer	1436	4.890	0.240	0.013		Surcharged
ACO201	1440 min Summer	1447	4.890	0.220	0.023		Surcharged
PS669	1440 min Summer	1442	4.890	0.390	0.044		Surcharged
YG201A	1440 min Summer	1442	4.890	0.290	0.011		Surcharged
PS670	1440 min Summer	1443	4.890	0.440	0.026		Surcharged
RWP201A	1440 min Summer	1447	4.891	0.191	0.112		Surcharged
RE201B	1440 min Summer	1447	4.891	0.241	0.012		Surcharged
PS678	1440 min Summer	1447	4.890	0.390	0.051		Surcharged
RWP200D	1440 min Summer	1447	4.890	0.190	0.007		Surcharged
PS157	1440 min Summer	1447	4.890	0.615	0.076		Surcharged
RWP200C	-	0	4.900	0.000	0.000		OK
RE200C	1440 min Summer	1437	4.893	0.093	0.027		OK
ACO200	1440 min Summer	1445	4.890	0.145	0.000		Surcharged
PS799	1440 min Summer	1445	4.890	0.165	0.027		Surcharged
RWP200F	-	0	4.900	0.000	0.000		OK
RWP200A	1440 min Summer	1431	4.890	0.090	0.047		OK
PS200A	1440 min Summer	1445	4.890	0.190	0.032		Surcharged
DF200	1440 min Summer	1432	4.892	0.142	0.031		OK
RWP200E	1440 min Summer	1432	4.892	0.192	0.042		Surcharged
PS153	1440 min Summer	1432	4.891	0.366	0.182		Surcharged
S131	1440 min Summer	1437	4.892	0.692	0.117		Flood Risk
S132	1440 min Summer	1441	4.890	1.167	0.192		Surcharged
RWP199A	1440 min Summer	1450	4.890	0.190	0.000		Surcharged
PS680	1440 min Summer	1431	4.890	0.365	0.011		Surcharged
RWP199C	1440 min Summer	1450	4.890	0.190	0.003		Surcharged
PS681	1440 min Summer	1436	4.890	0.515	0.041		Surcharged
RE200B	1440 min Summer	1445	4.891	0.241	0.000		Surcharged
DF199	1440 min Summer	1441	4.891	0.141	0.017		OK
RWP199E	1440 min Summer	1432	4.891	0.191	0.000		Surcharged
PS155	1440 min Summer	1432	4.890	0.665	0.123		Surcharged
S16	1440 min Summer	1451	4.891	1.225	0.554		Surcharged
DF231	30 min Summer	23	4.929	0.029	2.095		OK
PS101	1440 min Summer	1438	4.890	0.090	0.024		OK
RWP195F	1440 min Summer	1447	4.891	0.191	0.018		Surcharged
GY195	1440 min Summer	1443	4.890	0.115	0.000		OK
PS98	1440 min Summer	1447	4.890	0.490	0.022		Surcharged
PS100	1440 min Summer	1438	4.890	0.565	0.014		Surcharged
S136	1440 min Summer	1450	4.890	0.640	0.070		Flood Risk
RWP196A	1440 min Summer	1448	4.891	0.091	0.019		OK
RE196B	1440 min Summer	1448	4.891	0.241	0.019		Surcharged
DF196	1440 min Summer	1428	4.891	0.391	0.186		Surcharged
PS44	1440 min Summer	1444	4.890	0.540	0.209		Surcharged
S102	1440 min Summer	1446	4.890	0.890	0.117		Flood Risk
RWP197F	-	0	4.900	0.000	0.000		OK
RE197B	1440 min Summer	1453	4.891	0.041	0.000		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
DF197	1440 min Summer	1447	4.891	0.141	0.052		OK
PS163	1440 min Summer	1450	4.891	0.241	0.120		Surcharged
PS164	1440 min Summer	1450	4.891	0.341	0.143		Surcharged
RWP197B	-	0	4.900	0.000	0.000		OK
PS165	1440 min Summer	1436	4.890	0.490	0.032		Surcharged
ACO198	-	0	5.045	0.000	0.000		OK
RE198B	-	0	5.000	0.000	0.000		OK
PS160	15 min Summer	9	4.993	0.143	8.567		Surcharged
PS161	1440 min Summer	1446	4.890	0.190	0.011		Surcharged
RE198A	15 min Summer	8	4.948	0.048	3.180		OK
RWP198E	-	0	5.075	0.000	0.000		OK
PS683	1440 min Summer	1449	4.891	0.091	0.001		OK
DF198	1440 min Summer	1446	4.891	0.116	0.029		OK
PS159	1440 min Summer	1446	4.890	0.290	0.104		Surcharged
S22	1440 min Summer	1451	4.891	1.066	0.221		Surcharged
S17	1440 min Summer	1440	4.891	1.260	0.170		Surcharged
S18	1440 min Summer	1450	4.892	1.292	1.064		Flood Risk
S19	1440 min Summer	1438	4.890	1.340	1.789		Flood Risk
S20	1440 min Summer	1438	4.890	1.390	1.658		Flood Risk
S21	15 min Summer	0	4.000	1.000	1.558		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	60 min Summer	50	RWP228A	RE228A	0.100	0.192	0.566	0.047	Surcharged
1.001	30 min Summer	33	RE228A	PS777	0.100	0.182	1.237	0.199	Surcharged
2.000	30 min Winter	32	RWP228C	RE228B	0.100	0.121	0.585	0.045	Surcharged
2.001	30 min Summer	33	RE228B	PS777	0.100	0.184	1.252	0.194	Surcharged
1.002	30 min Summer	33	PS777	PS834	0.100	0.411	3.181	0.609	Surcharged
1.003	15 min Winter	21	PS834	PS111	0.100	0.523	4.073	0.569	Surcharged
3.000	15 min Winter	18	DF228	PS111	0.150	1.198	5.950	0.119	Surcharged
1.004	15 min Winter	20	PS111	S28	0.150	0.966	9.981	0.237	Surcharged
1.005	15 min Winter	8	S28	S27	0.225	0.648	21.694	0.601	OK
4.000	30 min Winter	35	ACO235	RE235A	0.100	0.506	3.120	0.311	Surcharged
5.000	30 min Summer	35	RWP235C	RE235A	0.100	0.233	1.111	0.050	Surcharged
4.001	30 min Summer	35	RE235A	PS107	0.100	0.840	3.879	0.582	Surcharged
6.000	15 min Winter	19	DF235	PS107	0.150	1.080	7.664	0.261	Surcharged
7.000	15 min Winter	21	RWP235A	PS107	0.100	0.216	1.365	0.047	Surcharged
4.002	15 min Winter	20	PS107	S54	0.150	1.354	11.818	0.241	Surcharged
4.003	15 min Winter	21	S54	S53	0.225	0.354	14.060	0.375	OK
8.000	15 min Summer	0	RWP239B	RE239B	0.000	0.000	0.000	0.000	OK
8.001	15 min Summer	11	RE239B	PS253	0.050	0.000	0.000	0.000	OK
9.000	15 min Summer	11	RWP238B	PS253	0.050	0.000	0.000	0.000	OK
8.002	30 min Summer	30	PS253	PS251	0.100	0.102	0.465	0.029	Surcharged
10.000	15 min Winter	9	RE236B	PS251	0.100	1.125	7.211	0.847	Surcharged
8.003	15 min Winter	8	PS251	PS109	0.100	1.306	6.853	0.970	Surcharged
11.000	15 min Winter	20	RE236A	PS109	0.100	0.200	1.007	0.091	Surcharged
12.000	15 min Winter	19	DF237	PS109	0.100	1.114	2.932	0.173	Surcharged
8.004	15 min Winter	20	PS109	S53	0.100	1.919	6.149	0.314	Surcharged
13.000	15 min Summer	11	RWP239A	RE239A	0.078	0.183	0.708	0.091	OK
13.001	15 min Summer	10	RE239A	PS255	0.095	1.769	9.808	0.922	OK
14.000	15 min Summer	9	RWP238A	PS255	0.050	0.000	0.000	0.000	OK
13.002	15 min Winter	9	PS255	S53	0.100	2.277	8.015	0.349	Surcharged
4.004	15 min Winter	20	S53	S27	0.225	0.593	23.572	0.590	OK
15.000	15 min Winter	17	DF226	PS115	0.100	1.166	3.166	0.227	Surcharged
16.000	30 min Summer	28	RWP227B	PS115	0.091	0.073	0.383	0.018	OK
15.001	15 min Winter	17	PS115	S27	0.100	0.999	3.959	0.219	Surcharged
1.006	15 min Winter	20	S27	S151	0.225	1.068	42.455	1.207	OK
17.000	15 min Winter	10	PS793	PS792	0.100	1.058	5.197	0.782	Surcharged
18.000	15 min Summer	9	RE221B	PS792	0.050	0.000	0.000	0.000	OK
17.001	30 min Summer	16	PS792	PS782	0.100	1.233	4.792	0.471	Surcharged
19.000	15 min Summer	12	RWP220C	RE220A	0.073	0.079	0.366	0.016	OK
19.001	15 min Winter	10	RE220A	PS782	0.100	1.439	7.261	0.688	Surcharged
20.000	30 min Summer	22	DF220	PS782	0.150	0.940	3.706	0.070	Surcharged
21.000	30 min Summer	20	RWP220A	PS782	0.051	0.008	0.032	0.001	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
17.002	15 min Winter	8	PS782	S135	0.150	1.517	11.598	0.380	Surcharged
22.000	30 min Summer	23	DF240	PS143	0.100	1.095	3.401	0.379	Surcharged
22.001	15 min Winter	14	PS143	S135	0.100	1.083	3.813	0.261	Surcharged
17.003	15 min Winter	7	S135	S151	0.225	0.967	30.462	0.424	OK
23.000	15 min Winter	15	RE222A	PS798	0.100	0.214	1.276	0.158	Surcharged
24.000	60 min Winter	33	RWP223E	PS798	0.100	0.459	2.599	0.274	Surcharged
23.001	15 min Winter	9	PS798	PS742	0.100	1.227	9.286	1.485	Surcharged
25.000	15 min Winter	10	ACO222	PS90	0.100	0.971	3.528	0.369	Surcharged
26.000	30 min Summer	25	RWP222A	PS90	0.098	0.106	0.521	0.025	OK
25.001	30 min Summer	16	PS90	PS742	0.100	0.695	3.302	0.487	Surcharged
27.000	15 min Winter	17	RWP223C	PS742	0.100	0.200	1.113	0.062	Surcharged
23.002	15 min Winter	8	PS742	S151	0.100	2.019	11.066	0.530	Surcharged
1.007	15 min Winter	18	S151	S24	0.225	1.444	57.420	1.618	OK
28.000	15 min Winter	16	RE223A	PS829	0.100	0.166	1.187	0.192	Surcharged
29.000	15 min Winter	15	ACO224B	PS829	0.100	0.148	0.889	0.045	Surcharged
28.001	15 min Winter	8	PS829	PS744	0.100	1.074	6.429	1.050	Surcharged
28.002	15 min Winter	8	PS744	PS745	0.100	1.297	5.115	0.442	Surcharged
30.000	30 min Summer	26	RWP225B	RE225A	0.100	0.187	0.850	0.048	Surcharged
30.001	15 min Winter	15	RE225A	PS830	0.100	0.198	1.553	0.200	Surcharged
30.002	15 min Winter	16	PS830	PS746	0.100	0.303	2.376	0.210	Surcharged
31.000	15 min Winter	17	GY225	PS746	0.150	0.081	1.096	0.017	Surcharged
30.003	15 min Winter	16	PS746	PS745	0.150	0.230	4.066	0.261	Surcharged
28.003	15 min Winter	16	PS745	S24	0.150	0.918	8.860	0.217	Surcharged
1.008	15 min Winter	15	S24	S25	0.225	1.770	70.384	1.908	OK
32.000	1440 min Summer	1745	RE202A	PS666	0.100	0.020	0.153	0.019	Surcharged
32.001	30 min Summer	22	PS666	PS667	0.100	0.102	0.559	0.065	Surcharged
33.000	1440 min Summer	1804	RWP202B	PS667	0.100	0.040	0.311	0.012	Surcharged
32.002	15 min Winter	12	PS667	S25	0.150	0.101	1.780	0.035	Surcharged
1.009	15 min Winter	12	S25	S26	0.225	1.905	75.747	1.971	OK
34.000	1440 min Summer	1443	RWP204C	RE204A	0.095	0.020	0.153	0.008	OK
34.001	1440 min Summer	1515	RE204A	PS649	0.100	0.018	0.141	0.016	Surcharged
35.000	1440 min Summer	1522	RWP204G	PS649	0.095	0.013	0.088	0.009	OK
36.000	480 min Summer	437	ACO204	PS649	0.050	0.000	0.000	0.000	OK
34.002	600 min Summer	481	PS649	PS147	0.100	0.550	0.506	0.062	Surcharged
37.000	1440 min Summer	1875	RWP204E	PS147	0.095	0.018	0.107	0.003	OK
34.003	15 min Winter	10	PS147	PS652	0.100	0.876	3.649	0.521	Surcharged
38.000	30 min Summer	22	DF204	PS652	0.086	1.336	2.524	0.059	OK
39.000	15 min Summer	8	RWP203A	PS652	0.050	0.000	0.000	0.000	OK
34.004	15 min Winter	12	PS652	S14	0.150	0.802	6.941	0.280	Surcharged
34.005	30 min Summer	18	S14	S15	0.225	0.528	20.996	0.599	OK
40.000	1440 min Summer	1703	RWP202D	PS151	0.100	0.035	0.278	0.026	Surcharged
41.000	1440 min Summer	1517	DF202	PS151	0.150	0.386	0.556	0.017	Surcharged
40.001	240 min Summer	178	PS151	S15	0.150	1.176	3.787	0.087	Surcharged
34.006	15 min Winter	10	S15	S26	0.225	1.009	40.119	1.134	OK
1.010	15 min Winter	10	S26	S132	0.375	1.262	139.338	1.405	Surcharged
42.000	1440 min Summer	1419	RE201A	PS669	0.100	0.014	0.095	0.011	Surcharged
43.000	1440 min Winter	3212	ACO201	PS669	0.100	0.014	0.071	0.005	Surcharged
42.001	360 min Summer	797	PS669	PS670	0.100	0.019	0.146	0.016	Surcharged
44.000	1440 min Winter	1458	YG201A	PS670	0.100	0.014	0.108	0.005	Surcharged
42.002	240 min Summer	301	PS670	PS157	0.100	0.028	0.217	0.032	Surcharged
45.000	1440 min Winter	1696	RWP201A	RE201B	0.100	0.069	0.542	0.029	Surcharged
45.001	1440 min Winter	1779	RE201B	PS678	0.100	0.015	0.117	0.017	Surcharged
45.002	720 min Winter	863	PS678	PS157	0.100	0.018	0.142	0.016	Surcharged
46.000	1440 min Summer	1640	RWP200D	PS157	0.100	0.016	0.123	0.005	Surcharged
42.003	240 min Summer	301	PS157	S132	0.100	0.040	0.311	0.037	Surcharged
47.000	1440 min Summer	1437	RWP200C	RE200C	0.046	0.000	0.000	0.000	OK
47.001	1440 min Summer	1437	RE200C	PS799	0.096	0.356	0.385	0.064	OK
48.000	1440 min Winter	1096	ACO200	PS799	0.100	0.056	0.082	0.012	Surcharged
47.002	1440 min Summer	1434	PS799	PS200A	0.100	0.365	0.367	0.060	Surcharged
49.000	720 min Summer	653	RWP200F	PS200A	0.050	0.000	0.000	0.000	OK
50.000	1440 min Summer	1431	RWP200A	PS200A	0.095	0.019	0.127	0.006	OK
47.003	1440 min Winter	984	PS200A	PS153	0.100	0.329	0.318	0.049	Surcharged
51.000	1440 min Summer	1432	DF200	PS153	0.146	0.539	0.366	0.009	OK
52.000	960 min Winter	741	RWP200E	PS153	0.100	0.847	1.625	0.111	Surcharged
47.004	480 min Summer	331	PS153	S132	0.150	1.089	2.583	0.048	Surcharged
53.000	60 min Winter	41	S131	S132	0.150	0.638	2.551	0.070	Surcharged
1.011	15 min Winter	11	S132	S16	0.375	1.366	150.841	1.521	Surcharged
54.000	1440 min Winter	1389	RWP199A	PS680	0.100	0.014	0.096	0.005	Surcharged

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
54.001	1440 min Summer	3750	PS680	PS681	0.100	0.037	0.248	0.037	Surcharged
55.000	1440 min Summer	3112	RWP199C	PS681	0.100	0.026	0.114	0.006	Surcharged
54.002	720 min Winter	2738	PS681	PS155	0.100	0.045	0.356	0.067	Surcharged
56.000	480 min Summer	438	RE200B	PS155	0.100	0.977	1.759	0.169	Surcharged
57.000	1440 min Summer	1441	DF199	PS155	0.145	0.303	0.245	0.005	OK
58.000	1440 min Summer	1861	RWP199E	PS155	0.100	0.034	0.269	0.014	Surcharged
54.003	60 min Winter	46	PS155	S16	0.150	1.341	6.687	0.187	Surcharged
1.012	15 min Winter	10	S16	S17	0.375	1.554	171.581	1.730	Surcharged
59.000	1440 min Summer	1438	DF231	PS101	0.047	0.559	0.283	0.010	OK
59.001	1440 min Summer	1438	PS101	PS98	0.120	0.214	0.283	0.007	OK
60.000	1440 min Winter	1646	RWP195F	PS98	0.100	0.015	0.119	0.010	Surcharged
61.000	1440 min Summer	1444	GY195	PS98	0.133	0.299	0.345	0.004	OK
59.002	30 min Summer	16	PS98	PS100	0.150	0.983	12.881	0.842	Surcharged
59.003	30 min Summer	16	PS100	S136	0.150	0.980	12.031	0.749	Surcharged
59.004	15 min Winter	13	S136	S102	0.150	0.785	13.880	0.951	Surcharged
62.000	1440 min Summer	1461	RWP196A	RE196B	0.096	0.023	0.179	0.012	OK
62.001	1440 min Winter	1579	RE196B	PS44	0.100	0.029	0.207	0.017	Surcharged
63.000	360 min Summer	260	DF196	PS44	0.150	0.617	1.143	0.042	Surcharged
62.002	30 min Summer	17	PS44	S102	0.150	1.109	7.960	0.224	Surcharged
59.005	15 min Winter	10	S102	S22	0.225	1.202	47.781	1.299	OK
64.000	1440 min Summer	1453	RWP197F	RE197B	0.020	0.000	0.000	0.000	OK
64.001	1440 min Summer	1453	RE197B	PS163	0.070	0.321	0.110	0.016	OK
65.000	1440 min Summer	1447	DF197	PS163	0.145	0.352	0.266	0.011	OK
64.002	960 min Summer	742	PS163	PS164	0.150	0.333	0.516	0.030	Surcharged
64.003	480 min Summer	357	PS164	PS165	0.150	0.891	2.148	0.110	Surcharged
66.000	120 min Summer	113	RWP197B	PS165	0.050	0.000	0.000	0.000	OK
64.004	180 min Summer	134	PS165	S22	0.150	1.153	4.225	0.104	Surcharged
67.000	15 min Summer	0	ACO198	RE198B	0.000	0.000	0.000	0.000	OK
67.001	15 min Summer	8	RE198B	PS160	0.050	0.000	0.000	0.000	OK
67.002	15 min Summer	9	PS160	PS161	0.091	1.146	8.593	1.168	OK
67.003	960 min Summer	742	PS161	PS159	0.100	0.743	0.768	0.090	Surcharged
68.000	1440 min Summer	1436	RE198A	PS683	0.047	0.406	0.197	0.029	OK
69.000	1440 min Summer	1449	RWP198E	PS683	0.045	0.000	0.000	0.000	OK
68.001	1440 min Summer	1454	PS683	PS159	0.095	0.337	0.217	0.027	OK
70.000	1440 min Summer	1446	DF198	PS159	0.133	0.559	0.450	0.015	OK
67.004	600 min Summer	481	PS159	S22	0.150	1.003	2.388	0.041	Surcharged
59.006	15 min Winter	10	S22	S17	0.225	1.682	66.894	1.714	OK
1.013	15 min Winter	13	S17	S18	0.375	2.191	238.506	2.406	Surcharged
1.014	15 min Winter	12	S18	S19	0.375	3.601	238.400	1.092	Surcharged
1.015	60 min Summer	35	S19	S20	0.375	0.021	2.367	0.012	Surcharged
1.016	1440 min Summer	1438	S20	S21	0.225	0.042	1.658	0.013	OK

Permeable Paving Storage

Permeable Paving	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
Permeable Paving59	30 min Summer	23	5.302	0.142	2.754		OK
Permeable Paving55	30 min Summer	23	5.305	0.198	2.489		OK
Permeable Paving56	30 min Summer	22	5.401	0.054	2.792		OK
Permeable Paving57	30 min Summer	22	5.356	0.058	3.093		OK
Permeable Paving49	30 min Summer	22	5.439	0.059	3.381		OK
Permeable Paving68	30 min Summer	22	5.504	0.056	3.046		OK
Permeable Paving74	30 min Summer	22	5.121	0.051	2.383		OK
Permeable Paving76	1440 min Summer	1434	4.890	0.103	0.033		OK
Permeable Paving73	30 min Summer	22	4.975	0.055	2.884		OK
Permeable Paving26	1440 min Summer	1435	4.892	0.397	0.045		Surcharged
Permeable Paving72	30 min Summer	21	4.993	0.046	2.242		OK
Permeable Paving88	30 min Summer	22	5.038	0.059	2.230		OK
Permeable Paving28	1440 min Summer	1437	4.890	0.096	0.051		OK
Permeable Paving70	30 min Summer	21	5.083	0.048	2.436		OK
Permeable Paving71	30 min Summer	23	5.123	0.060	3.080		OK