Network Details

Manhole Schedule

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

Manhole Schedule

Manhole	Catchment Area (ha)	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
RE256A	0.000	0.180	Type E	4.975	4.350	0.525	488799.373	97835.646
PS556	0.000	0.450	450	4.946	4.200	0.646	488789.136	97828.865
RE257A	0.000	0.180	Type E	4.944	4.400	0.444	488795.501	97841.231
ACO257	0.000	0.180	Type E	4.920	4.370	0.450	488794.057	97845.185
DF257	0.012	0.180	Type E	4.993	4.350	0.493	488791.266	97847.239
PS557	0.000	0.450	450	4.969	4.175	0.644	488792.063	97846.026
PS83	0.000	0.450	Type E	5.062	4.011	0.901	488782.064	97839.556
S134	0.000	1.350	Type C	4.743	3.357	1.086	488773.500	97833.748
S3	0.019	1.350	Type C	4.597	3.225	1.072	488779.847	97824.849
RE205B	0.000	0.180	Type E	5.388	4.835	0.453	488682.966	97773.165
ACO205	0.000	0.180	Type E	5.370	4.820	0.450	488688.976	97768.674
PS805	0.000	0.250	250	5.380	4.750	0.530	488688.030	97768.332
RWP205C	0.000	0.180	Type E	5.399	4.850	0.449	488691.912	97769.223
RE205A	0.000	0.180	Type E	5.388	4.800	0.488	488691.401	97769.649
RWP205G	0.004	0.180	Type E	5.396	4.800	0.496	488683.595	97763.737
PS644	0.000	0.450	450	5.415	4.700	0.615	488687.866	97765.678
RWP204B	0.005	0.180	Type E	5.561	4.800	0.661	488691.053	97753.328
DF205	0.008	0.180	Type E	5.375	4.700	0.525	488690.995	97757.698
PS133	0.000	0.450	450	5.561	4.520	0.891	488697.176	97757.076
S10	0.057	1.350	Type C	5.300	3.525	1.475	488703.073	97754.538
RWP207A	0.000	0.180	Type E	5.172	4.600	0.472	488718.208	97797.868
RE207A	0.000	0.180	Type E	5.133	4.550	0.483	488717.494	97798.953
RE207C	0.000	0.180	Type E	5.163	4.625	0.438	488704.367	97797.550
ACO207	0.000	0.180	Type E	5.145	4.595	0.450	488710.660	97793.144
PS809	0.000	0.250	250	5.154	4.500	0.554	488709.713	97792.803
RWP207C	0.004	0.180	Type E	5.166	4.600	0.466	488704.947	97788.317
PS635	0.000	0.450	450	5.193	4.400	0.693	488709.492	97790.455
RE207B	0.000	0.180	Type E	5.203	4.600	0.503	488725.315	97790.569
DF207	0.008	0.180	Type E	5.143	4.475	0.518	488712.810	97781.438
RWP206B	0.000	0.180	Type E	5.196	4.650	0.446	488712.428	97780.201
PS137	0.000	0.450	450	5.288	4.225	0.913	488715.122	97779.302
RE206C	0.004	0.180	Type E	5.285	4.750	0.435	488693.044	97785.923
ACO206	0.000	0.180	Type E	5.295	4.745	0.450	488699.168	97781.524
PS807	0.000	0.250	250	5.304	4.650	0.554	488698.222	97781.182
RWP206E	0.000	0.180	Type E	5.314	4.750	0.464	488693.738	97776.427
RE206A	0.000	0.250	250	5.332	4.700	0.532	488694.469	97774.707
RWP206C	0.000	0.180	Type E	5.324	4.700	0.524	488702.098	97782.092
RE206B	0.000	0.180	Type E	5.315	4.650	0.565	488701.482	97782.256
PS639	0.000	0.450	450	5.343	4.600	0.643	488698.345	97778.609
DF206	0.008	0.180	Type E	5.310	4.650	0.510	488701.228	97769.879
RWP205A	0.000	0.180	Type E	5.414	4.800	0.514	488702.220	97767.349
PS135	0.000	0.450	450	5.432	4.425	0.857	488706.782	97770.443
S11	0.065	1.350	Type C	5.092	3.425	1.367	488718.222	97772.415
RE208B	0.000	0.180	Type E	5.123	4.625	0.398	488719.401	97799.212
PS813	0.000	0.250	250	5.170	4.515	0.555	488726.036	97791.250
RWP208A	0.000	0.180	Type E	5.099	4.500	0.499	488723.295	97812.941
RE208A	0.004	0.250	250	5.093	4.450	0.543	488722.748	97812.598
RWP208C	0.000	0.180	Type E	5.100	4.550	0.450	488724.844	97803.895
ACO208	0.000	0.180	Type E	5.070	4.520	0.450	488725.665	97806.759
PS630	0.000	0.250	250	5.089	4.435	0.554	488726.653	97806.951
RWP208B	0.000	0.180	Type E	5.098	4.550	0.448	488727.227	97807.876
RWP208I	0.000	0.180	Type E	5.098	4.550	0.448	488728.335	97806.074
PS631	0.000	0.450	450	5.072	4.200	0.772	488729.176	97806.809
DF208	0.008	0.180	Type E	4.972	4.300	0.522	488736.410	97803.963
RWP209B	0.000	0.180	Type E	4.970	4.400	0.470	488738.775	97803.128
PS139	0.000	0.450	450	5.069	3.800	1.119	488739.186	97800.227
RE209B	0.000	0.180	Type E	4.952	4.425	0.427	488735.336	97822.394
RWP209D	0.000	0.180	Type E	4.949	4.450	0.399	488736.478	97812.451
ACO209	0.000	0.180	Type E	4.921	4.370	0.451	488739.356	97816.840
RWP209C	0.000	0.180	Type E	4.949	4.400	0.449	488740.537	97818.371
PS208	0.000	0.450	450	4.946	4.245	0.601	488741.402	97816.923
DF209	0.008	0.180	Type E	4.867	4.200	0.517	488751.750	97811.517
RWP209A	0.000	0.180	Type E	4.961	4.400	0.461	488746.395	97808.990
PS141	0.000	0.450	Type E	4.940	4.025	0.765	488747.887	97808.482
S12	0.021	1.350	Type C	4.738	3.290	1.148	488752.013	97801.936
S13	0.000	1.350	Type C	4.524	3.200	1.024	488772.505	97814.991
S4	0.000	1.350	Type C	4.510	3.175	1.035	488778.529	97813.267
S5	0.087	0.000	Unknown	4.300	3.150	0.850	488777.835	97807.142

Manhole Schedule

Manhole	Catchment Area (ha)	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
S6	0.000	0.000	Unknown	4.300	3.000	1.000	488742.861	97778.469
S99	0.000	1.350	Type C	4.300	2.975	1.100	488745.701	97774.044
S7	0.000	0.000	Type C	4.190	2.950	1.015	488747.718	97770.874

Pipe Schedule

Pipe Number	US Manhole	US IL (m)	DS Manhole	DS IL (m)	Shape	Dimension (m)	Length (m)	Gradient (1:x)	Roughness (mm)	US Depth To Soffit (m)
1.000	RE218A	5.250	PS785	5.150	Circ	0.1mØ	9.774	97.7	0.600	0.409
1.001	PS785	5.150	PS784	5.045	Circ	0.1mØ	11.459	109.1	0.600	0.636
2.000	RWP219C	5.275	PS784	5.045	Circ	0.1mØ	1.087	4.7	0.600	0.560
1.002	PS784	5.045	PS92	4.995	Circ	0.1mØ	4.225	84.5	0.600	0.777
3.000	RWP218A	5.450	PS92	4.995	Circ	0.1mØ	3.202	7.0	0.600	0.449
4.000	DF218	5.200	PS92	4.945	Circ	0.15mØ	2.297	9.0	0.600	0.507
1.003	PS92	4.945	S8	4.516	Circ	0.15mØ	7.630	17.8	0.600	0.791
5.000	RE240B	5.425	PS797	5.300	Circ	0.1mØ	6.445	51.6	0.600	0.460
6.000	RWP241B	5.450	PS797	5.300	Circ	0.1mØ	2.245	15.0	0.600	0.450
5.001	PS797	5.300	PS795	4.730	Circ	0.1mØ	12.399	21.8	0.600	0.582
7.000	RWP240A	5.450	RE240A	5.400	Circ	0.1mØ	1.443	28.9	0.600	0.450
7.001	RE240A	5.400	PS795	5.230	Circ	0.1mØ	7.289	42.9	0.600	0.537
8.000	RWP241A	5.475	PS795	5.230	Circ	0.1mØ	2.789	11.4	0.600	0.435
9.000	GY240	5.350	PS795	4.680	Circ	0.15mØ	1.990	3.0	0.600	0.466
5.002	PS795	4.680	S8	4.516	Circ	0.15mØ	5.763	35.0	0.600	1.196
1.004	S8	4.366	S9	4.076	Circ	0.3mØ	36.217	125.1	0.600	1.200
10.000	RWP216B	5.150	RE216A	5.100	Circ	0.1mØ	0.803	16.1	0.600	0.450
10.001	RE216A	5.100	PS789	4.850	Circ	0.1mØ	9.364	37.5	0.600	0.500
11.000	RWP214B	5.000	PS789	4.850	Circ	0.1mØ	5.180	34.5	0.600	0.449
10.002	PS789	4.850	PS790	4.700	Circ	0.1mØ	10.807	72.0	0.600	0.717
12.000	RWP215A	5.150	PS790	4.700	Circ	0.1mØ	0.854	1.9	0.600	0.461
10.003	PS790	4.700	PS96	4.650	Circ	0.1mØ	4.001	80.0	0.600	0.890
13.000	DF214	4.925	PS96	4.600	Circ	0.15mØ	3.586	11.0	0.600	0.507
14.000	RWP214A	4.925	PS96	4.650	Circ	0.1mØ	2.373	8.6	0.600	0.556
10.004	PS96	4.600	S9	4.226	Circ	0.15mØ	8.808	23.5	0.600	0.867
15.000	RWP245B	5.200	RE245	5.100	Circ	0.1mØ	1.325	13.3	0.600	0.399
15.001	RE245	5.100	PS617	5.000	Circ	0.1mØ	5.688	56.9	0.600	0.492
15.002	PS617	5.000	PS618	4.600	Circ	0.1mØ	12.904	32.3	0.600	0.634
15.003	PS618	4.600	PS145	4.525	Circ	0.1mØ	5.333	71.1	0.600	1.104
16.000	DF245	4.825	PS145	4.475	Circ	0.15mØ	7.416	21.2	0.600	0.603
15.004	PS145	4.475	S9	4.226	Circ	0.15mØ	4.109	16.5	0.600	1.176
1.005	S9	4.076	S2	3.854	Circ	0.3mØ	35.811	161.1	0.600	1.200
17.000	RE259A	4.925	PS78	4.600	Circ	0.1mØ	14.440	44.4	0.600	0.345
18.000	DF261	4.741	PS78	4.550	Circ	0.15mØ	7.034	36.8	0.600	0.500
17.001	PS78	4.550	PS76	4.200	Circ	0.15mØ	11.735	33.5	0.600	0.821
19.000	RE264A	5.300	PS75	4.700	Circ	0.1mØ	9.983	16.6	0.600	0.494
20.000	DF263	4.925	PS75	4.650	Circ	0.15mØ	6.835	24.9	0.600	0.517
19.001	PS75	4.650	PS76	4.200	Circ	0.15mØ	5.387	12.0	0.600	0.940
17.002	PS76	4.200	S2	4.004	Circ	0.15mØ	8.994	45.8	0.600	1.344
21.000	S1	4.295	S2	3.929	Circ	0.225mØ	29.389	80.1	0.600	1.200
1.006	S2	3.854	S134	3.357	Circ	0.3mØ	46.296	93.2	0.600	1.200
22.000	RE261A	4.800	PS547	4.600	Circ	0.1mØ	14.237	71.2	0.600	0.462
23.000	ACO259	4.795	PS547	4.600	Circ	0.1mØ	1.433	7.4	0.600	0.450
22.001	PS547	4.600	PS80	3.975	Circ	0.1mØ	11.634	18.6	0.600	0.647
24.000	DF258	4.575	PS80	3.925	Circ	0.15mØ	10.533	16.2	0.600	0.533
22.002	PS80	3.925	PS81	3.825	Circ	0.15mØ	8.135	81.3	0.600	1.200
25.000	RE258A	4.350	PS81	3.875	Circ	0.1mØ	12.363	26.0	0.600	0.618
22.003	PS81	3.825	S134	3.507	Circ	0.15mØ	12.365	38.9	0.600	1.178
26.000	RE211B	4.375	PS821	4.300	Circ	0.1mØ	7.154	95.4	0.600	0.475
27.000	ACO211	4.370	PS821	4.300	Circ	0.1mØ	2.106	30.1	0.600	0.453
26.001	PS821	4.300	PS822	4.250	Circ	0.1mØ	2.399	48.0	0.600	0.543
26.002	PS822	4.250	PS169	4.100	Circ	0.1mØ	11.807	78.7	0.600	0.594
28.000	PS168	4.150	PS169	4.050	Circ	0.15mØ	2.874	28.7	0.600	0.624
26.003	PS169	4.050	PS167	3.800	Circ	0.15mØ	11.864	47.5	0.600	0.812
29.000	RWP210D	4.300	RE210A	4.250	Circ	0.1mØ	1.272	25.4	0.600	0.407
29.001	RE210A	4.250	PS815	4.000	Circ	0.1mØ	9.633	38.5	0.600	0.490
30.000	RWP210F	4.300	RE210C	4.275	Circ	0.1mØ	0.961	38.4	0.600	0.401
30.001	RE210C	4.275	PS819	4.130	Circ	0.1mØ	7.240	49.9	0.600	0.438

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

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)
70.000	RWP209A	4.400	PS141	4.075	Circ	0.1mØ	1.576	4.8	0.600	0.461
65.002	PS141	4.025	S12	3.940	Circ	0.15mØ	7.738	91.0	0.600	0.765
38.006	S12	3.290	S13	3.200	Circ	0.3mØ	24.297	270.0	0.600	1.148
38.007	S13	3.200	S4	3.175	Circ	0.3mØ	6.266	250.6	0.600	1.024
1.009	S4	3.175	S5	3.150	Circ	0.3mØ	6.164	246.6	0.600	1.035
1.010	S5	3.150	S6	3.000	Circ	0.6mØ	45.225	301.5	0.600	0.550
1.011	S6	3.000	S99	2.975	Circ	0.3mØ	5.258	210.3	0.600	1.000
1.012	S99	2.975	S7	2.950	Circ	0.225mØ	3.757	150.3	0.600	1.100

Outfall Details

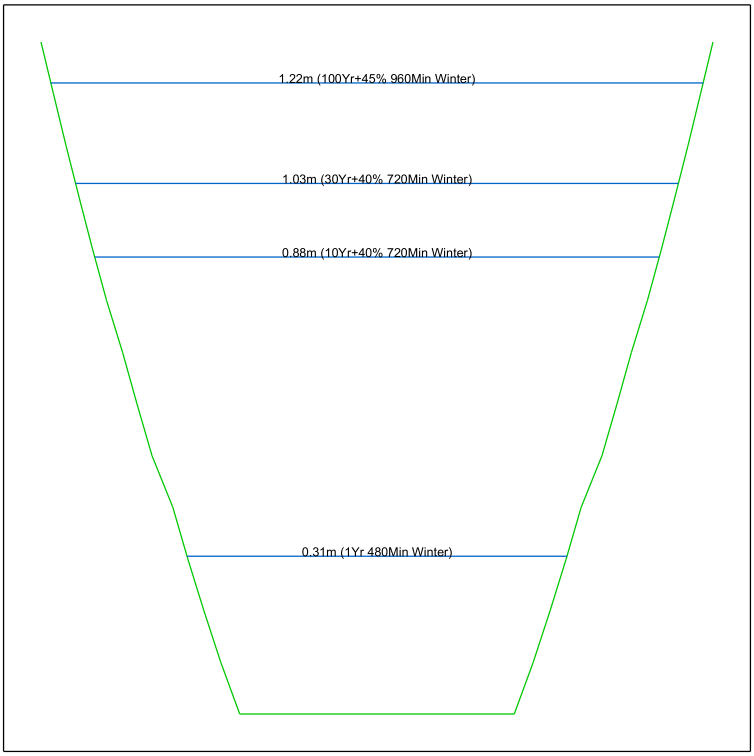
Outfall Manhole S7 : Free Discharge

Flow Control Details

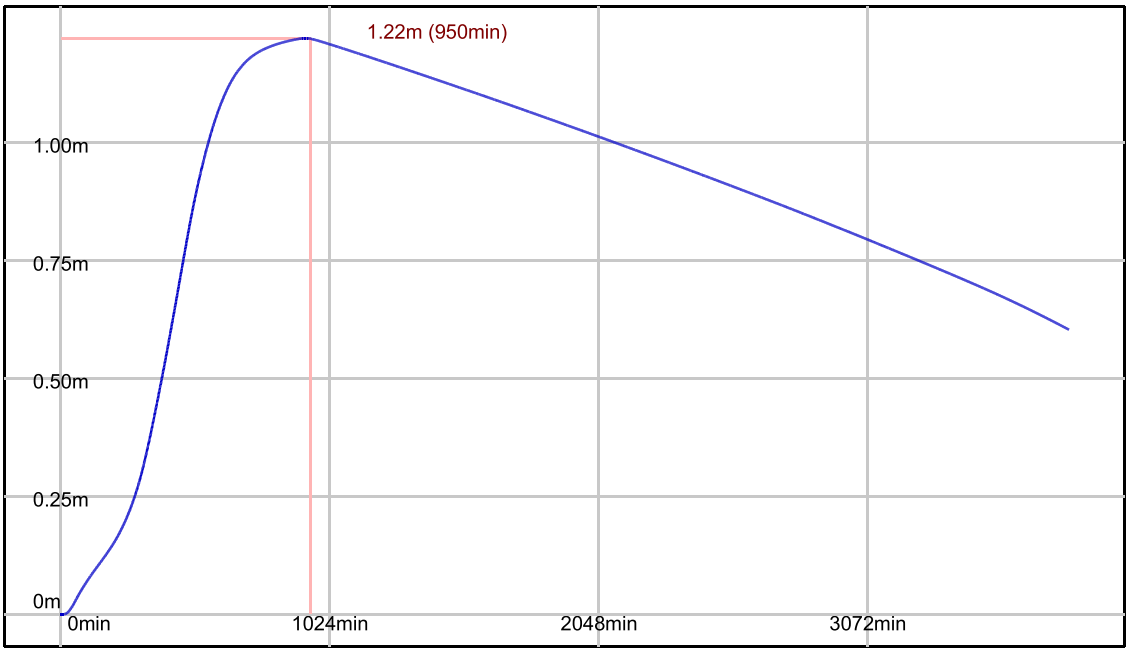
Pond Structure at Manhole S6

Pond Invert (m)	Max Depth (m)	Volume To Water Level (m3)	Water Level (m)	Freeboard (m)	Infil Base (m/hr)	Infil Side (m/hr)	Safety Factor
3.000	1.300	520.412	4.150	0.150	0.00000000	0.00000000	2.00

Pond Depth/Area Diagram at S6



Pond at S6 (100Yr+45% 960Min Winter)

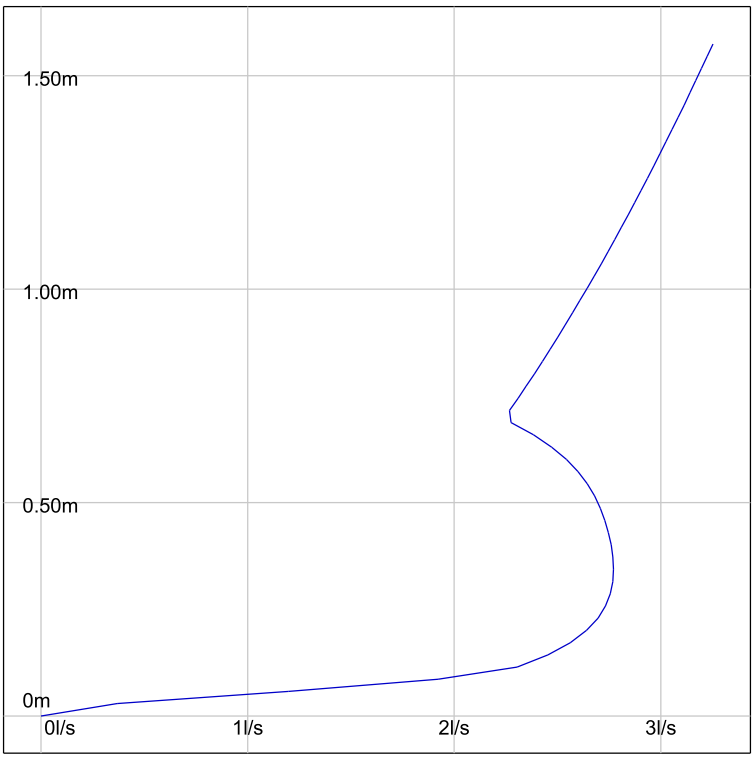


Controls within Manhole S99

Hydro-Brake® Optimum Control at Manhole S99

Model Ref	Design Depth (m)	Design Flow (l/s)	Depth Above Invert (m)	FF Head (m)	FF Flow (l/s)	KF Head (m)	KF Flow (l/s)
SHE-0078-3000-1325-3000	1.325	3.000	0.000	0.343	2.771	0.694	2.238

Hydro-Brake® Optimum Control at S99



Simulation Settings

FEH2022 (point): Filename=FEH_Point_Descriptors_488693_97897_v5_0_1.xml

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

Global Time of Entry: 5.0 mins

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

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

Simulated Rainfall Events

Storm	Average Intensity (mm/hr)	Runoff Continuity %	Flow Continuity %	Storm	Average Intensity (mm/hr)	Runoff Continuity %	Flow Continuity %
1Yr 15Min Winter	16.942	0.00	-0.17	30Yr+40% 15Min Summer	112.863	-0.29	0.02
1Yr 15Min Summer	16.942	0.00	-0.15	30Yr+40% 15Min Winter	112.863	-0.41	0.12
1Yr 30Min Winter	10.755	0.00	-0.15	30Yr+40% 30Min Summer	74.071	-0.10	0.55
1Yr 30Min Summer	10.755	0.00	-0.14	30Yr+40% 30Min Winter	74.071	-0.11	0.68
1Yr 60Min Winter	6.786	0.00	0.00	30Yr+40% 60Min Summer	46.547	0.00	1.03
1Yr 60Min Summer	6.786	0.00	0.00	30Yr+40% 60Min Winter	46.547	0.00	1.19
1Yr 120Min Summer	5.246	0.00	0.00	30Yr+40% 120Min Summer	27.731	0.00	1.25
1Yr 120Min Winter	5.246	0.00	0.00	30Yr+40% 120Min Winter	27.731	0.00	1.37
1Yr 180Min Summer	4.383	0.00	0.00	30Yr+40% 180Min Summer	20.307	0.00	1.19
1Yr 180Min Winter	4.383	0.00	0.00	30Yr+40% 180Min Winter	20.307	0.00	1.29
1Yr 240Min Summer	3.631	0.00	0.00	30Yr+40% 240Min Summer	16.265	0.00	1.05
1Yr 240Min Winter	3.631	0.00	0.00	30Yr+40% 240Min Winter	16.265	0.00	1.16
1Yr 360Min Summer	2.818	0.00	0.00	30Yr+40% 360Min Summer	11.803	0.00	0.71
1Yr 360Min Winter	2.818	0.00	0.00	30Yr+40% 360Min Winter	11.803	0.00	0.82
1Yr 480Min Summer	2.343	0.00	0.00	30Yr+40% 480Min Summer	9.367	0.00	0.40
1Yr 480Min Winter	2.343	0.00	0.00	30Yr+40% 480Min Winter	9.367	0.00	0.49
1Yr 600Min Summer	2.004	0.00	0.00	30Yr+40% 600Min Summer	7.810	0.00	0.13
1Yr 600Min Winter	2.004	0.00	0.00	30Yr+40% 600Min Winter	7.810	0.00	0.21
1Yr 720Min Winter	1.752	0.00	0.00	30Yr+40% 720Min Summer	6.721	0.00	0.01
1Yr 720Min Summer	1.752	0.00	0.00	30Yr+40% 720Min Winter	6.721	0.00	0.04
1Yr 960Min Summer	1.420	0.00	0.00	30Yr+40% 960Min Summer	5.302	0.00	-0.01
1Yr 960Min Winter	1.420	0.00	0.00	30Yr+40% 960Min Winter	5.302	0.00	-0.01
1Yr 1440Min Summer	1.059	0.00	0.00	30Yr+40% 1440Min Summer	3.817	0.00	-0.01
1Yr 1440Min Winter	1.059	0.00	0.00	30Yr+40% 1440Min Winter	3.817	0.00	-0.02
10Yr+40% 15Min Summer	87.036	-0.14	-0.03	100Yr+45% 15Min Summer	146.276	-0.53	0.29
10Yr+40% 15Min Winter	87.036	-0.19	-0.04	100Yr+45% 15Min Winter	146.276	-0.62	0.56
10Yr+40% 30Min Summer	56.678	0.00	0.12	100Yr+45% 30Min Summer	96.982	-0.24	1.29
10Yr+40% 30Min Winter	56.678	0.00	0.21	100Yr+45% 30Min Winter	96.982	-0.28	1.40
10Yr+40% 60Min Summer	35.401	0.00	0.38	100Yr+45% 60Min Summer	61.530	0.00	1.77
10Yr+40% 60Min Winter	35.401	0.00	0.48	100Yr+45% 60Min Winter	61.530	0.00	1.85
10Yr+40% 120Min Winter	21.745	0.00	0.69	100Yr+45% 120Min Summer	35.946	0.00	1.83
10Yr+40% 120Min Summer	21.745	0.00	0.58	100Yr+45% 120Min Winter	35.946	0.00	1.94
10Yr+40% 180Min Summer	16.178	0.00	0.56	100Yr+45% 180Min Summer	26.053	0.00	1.76
10Yr+40% 180Min Winter	16.178	0.00	0.65	100Yr+45% 180Min Winter	26.053	0.00	1.86
10Yr+40% 240Min Summer	13.001	0.00	0.43	100Yr+45% 240Min Summer	20.923	0.00	1.67
10Yr+40% 240Min Winter	13.001	0.00	0.53	100Yr+45% 240Min Winter	20.923	0.00	1.76
10Yr+40% 360Min Summer	9.488	0.00	0.16	100Yr+45% 360Min Summer	15.176	0.00	1.39
10Yr+40% 360Min Winter	9.488	0.00	0.24	100Yr+45% 360Min Winter	15.176	0.00	1.48
10Yr+40% 480Min Summer	7.563	0.00	0.03	100Yr+45% 480Min Summer	12.028	0.00	1.09
10Yr+40% 480Min Winter	7.563	0.00	0.06	100Yr+45% 480Min Winter	12.028	0.00	1.18
10Yr+40% 600Min Winter	6.323	0.00	0.00	100Yr+45% 600Min Summer	10.033	0.00	0.78
10Yr+40% 600Min Summer	6.323	0.00	0.00	100Yr+45% 600Min Winter	10.033	0.00	0.88
10Yr+40% 720Min Summer	5.451	0.00	-0.03	100Yr+45% 720Min Summer	8.641	0.00	0.47
10Yr+40% 720Min Winter	5.451	0.00	-0.01	100Yr+45% 720Min Winter	8.641	0.00	0.58
10Yr+40% 960Min Summer	4.313	0.00	0.00	100Yr+45% 960Min Summer	6.827	0.00	0.06
10Yr+40% 960Min Winter	4.313	0.00	0.00	100Yr+45% 960Min Winter	6.827	0.00	0.11
10Yr+40% 1440Min Summer	3.111	0.00	0.00	100Yr+45% 1440Min Winter	4.922	0.00	0.09
10Yr+40% 1440Min Winter	3.111	0.00	0.00	100Yr+45% 1440Min Summer	4.922	0.00	0.04

Simulation Results

Return Period Yrs: 1.0

Climate Change %: 0

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RE218A	-	0	5.250	0.000	0.000		OK
PS785	-	0	5.150	0.000	0.000		OK
RWP219C	-	0	5.275	0.000	0.000		OK
PS784	-	0	5.045	0.000	0.000		OK
RWP218A	-	0	5.450	0.000	0.000		OK
DF218	600 min Winter	392	5.204	0.004	0.065		OK
PS92	600 min Winter	393	4.949	0.004	0.065		OK
RE240B	-	0	5.425	0.000	0.000		OK
RWP241B	-	0	5.450	0.000	0.000		OK
PS797	-	0	5.300	0.000	0.000		OK
RWP240A	-	0	5.450	0.000	0.000		OK
RE240A	15 min Winter	8	5.417	0.017	0.583		OK
RWP241A	-	0	5.475	0.000	0.000		OK
GY240	-	0	5.350	0.000	0.000		OK
PS795	15 min Winter	9	4.694	0.014	0.558		OK
S8	15 min Winter	8	4.431	0.066	10.877		OK
RWP216B	-	0	5.150	0.000	0.000		OK
RE216A	-	0	5.100	0.000	0.000		OK
RWP214B	-	0	5.000	0.000	0.000		OK
PS789	-	0	4.850	0.000	0.000		OK
RWP215A	-	0	5.150	0.000	0.000		OK
PS790	-	0	4.700	0.000	0.000		OK
DF214	600 min Winter	391	4.929	0.004	0.061		OK
RWP214A	-	0	4.925	0.000	0.000		OK
PS96	600 min Winter	392	4.605	0.005	0.061		OK
RWP245B	-	0	5.200	0.000	0.000		OK
RE245	-	0	5.100	0.000	0.000		OK
PS617	-	0	5.000	0.000	0.000		OK
PS618	-	0	4.600	0.000	0.000		OK
DF245	600 min Winter	392	4.830	0.005	0.063		OK
PS145	600 min Winter	392	4.479	0.004	0.063		OK
S9	15 min Winter	9	4.156	0.080	13.873		OK
RE259A	-	0	4.925	0.000	0.000		OK
DF261	600 min Winter	390	4.746	0.005	0.056		OK
PS78	600 min Winter	391	4.555	0.005	0.056		OK
RE264A	-	0	5.300	0.000	0.000		OK
DF263	600 min Winter	390	4.930	0.005	0.056		OK
PS75	600 min Winter	391	4.654	0.004	0.056		OK
PS76	600 min Winter	391	4.207	0.007	0.112		OK
S1	15 min Winter	8	4.339	0.044	5.091		OK
S2	15 min Winter	9	3.954	0.100	28.294		OK
RE261A	-	0	4.800	0.000	0.000		OK
ACO259	-	0	4.795	0.000	0.000		OK
PS547	-	0	4.600	0.000	0.000		OK
DF258	600 min Winter	390	4.579	0.004	0.057		OK
PS80	600 min Winter	391	3.931	0.006	0.057		OK
RE258A	-	0	4.350	0.000	0.000		OK
PS81	600 min Winter	392	3.830	0.005	0.057		OK
RE211B	-	0	4.375	0.000	0.000		OK
ACO211	-	0	4.370	0.000	0.000		OK
PS821	-	0	4.300	0.000	0.000		OK
PS822	15 min Winter	8	4.273	0.023	0.783		OK
PS168	15 min Winter	8	4.165	0.015	0.723		OK
PS169	15 min Winter	8	4.074	0.024	1.482		OK
RWP210D	-	0	4.300	0.000	0.000		OK
RE210A	-	0	4.250	0.000	0.000		OK
RWP210F	-	0	4.300	0.000	0.000		OK
RE210C	-	0	4.275	0.000	0.000		OK
ACO210	-	0	4.220	0.000	0.000		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
PS819	-	0	4.130	0.000	0.000		OK
PS815	-	0	4.000	0.000	0.000		OK
RE210B	15 min Winter	8	4.119	0.019	0.783		OK
DF210	600 min Winter	389	4.104	0.004	0.051		OK
PS167	15 min Winter	8	3.824	0.024	2.239		OK
RE256A	-	0	4.350	0.000	0.000		OK
PS556	-	0	4.200	0.000	0.000		OK
RE257A	-	0	4.400	0.000	0.000		OK
ACO257	-	0	4.370	0.000	0.000		OK
DF257	600 min Winter	403	4.354	0.004	0.099		OK
PS557	600 min Winter	403	4.183	0.008	0.099		OK
PS83	600 min Winter	404	4.016	0.006	0.099		OK
S134	15 min Winter	9	3.462	0.105	30.671		OK
S3	15 min Winter	9	3.370	0.145	32.210		OK
RE205B	-	0	4.835	0.000	0.000		OK
ACO205	-	0	4.820	0.000	0.000		OK
PS805	-	0	4.750	0.000	0.000		OK
RWP205C	-	0	4.850	0.000	0.000		OK
RE205A	-	0	4.800	0.000	0.000		OK
RWP205G	15 min Winter	8	4.813	0.013	0.330		OK
PS644	15 min Winter	9	4.715	0.015	0.317		OK
RWP204B	15 min Winter	8	4.814	0.014	0.479		OK
DF205	600 min Winter	392	4.705	0.005	0.065		OK
PS133	15 min Winter	9	4.539	0.019	0.777		OK
S10	15 min Winter	8	3.581	0.056	5.867		OK
RWP207A	-	0	4.600	0.000	0.000		OK
RE207A	-	0	4.550	0.000	0.000		OK
RE207C	-	0	4.625	0.000	0.000		OK
ACO207	-	0	4.595	0.000	0.000		OK
PS809	-	0	4.500	0.000	0.000		OK
RWP207C	15 min Winter	8	4.611	0.011	0.330		OK
PS635	15 min Winter	9	4.416	0.016	0.317		OK
RE207B	-	0	4.600	0.000	0.000		OK
DF207	600 min Winter	392	4.479	0.004	0.066		OK
RWP206B	-	0	4.650	0.000	0.000		OK
PS137	15 min Winter	9	4.238	0.013	0.318		OK
RE206C	15 min Winter	8	4.765	0.015	0.330		OK
ACO206	-	0	4.745	0.000	0.000		OK
PS807	15 min Winter	9	4.663	0.013	0.319		OK
RWP206E	-	0	4.750	0.000	0.000		OK
RE206A	-	0	4.700	0.000	0.000		OK
RWP206C	-	0	4.700	0.000	0.000		OK
RE206B	-	0	4.650	0.000	0.000		OK
PS639	15 min Winter	9	4.615	0.015	0.322		OK
DF206	600 min Winter	393	4.655	0.005	0.066		OK
RWP205A	-	0	4.800	0.000	0.000		OK
PS135	15 min Winter	10	4.436	0.011	0.311		OK
S11	15 min Winter	9	3.514	0.089	11.788		OK
RE208B	-	0	4.625	0.000	0.000		OK
PS813	-	0	4.515	0.000	0.000		OK
RWP208A	-	0	4.500	0.000	0.000		OK
RE208A	15 min Winter	9	4.472	0.022	0.311		OK
RWP208C	-	0	4.550	0.000	0.000		OK
ACO208	-	0	4.520	0.000	0.000		OK
PS630	15 min Winter	9	4.444	0.009	0.318		OK
RWP208B	-	0	4.550	0.000	0.000		OK
RWP208I	-	0	4.550	0.000	0.000		OK
PS631	15 min Winter	9	4.212	0.012	0.320		OK
DF208	600 min Winter	392	4.304	0.004	0.065		OK
RWP209B	-	0	4.400	0.000	0.000		OK
PS139	15 min Winter	10	3.813	0.013	0.309		OK
RE209B	-	0	4.425	0.000	0.000		OK
RWP209D	-	0	4.450	0.000	0.000		OK
ACO209	-	0	4.370	0.000	0.000		OK
RWP209C	-	0	4.400	0.000	0.000		OK
PS208	-	0	4.245	0.000	0.000		OK
DF209	600 min Winter	393	4.205	0.005	0.066		OK
RWP209A	-	0	4.400	0.000	0.000		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
PS141	600 min Winter	393	4.031	0.006	0.066		OK
S12	15 min Winter	9	3.380	0.090	14.059		OK
S13	15 min Winter	10	3.344	0.144	13.461		OK
S4	15 min Winter	10	3.344	0.169	45.051		OK
S5	480 min Winter	380	3.306	0.156	2.761		OK
S6	480 min Winter	380	3.306	0.306	2.753		Surcharged
S99	480 min Winter	380	3.305	0.330	2.758		Surcharged
S7	480 min Winter	380	2.988	0.038	2.758		Outfall

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
1.000	15 min Winter	0	RE218A	PS785	0.000	0.000	0.000	0.000	OK
1.001	15 min Winter	0	PS785	PS784	0.000	0.000	0.000	0.000	OK
2.000	15 min Winter	0	RWP219C	PS784	0.000	0.000	0.000	0.000	OK
1.002	15 min Winter	0	PS784	PS92	0.000	0.000	0.000	0.000	OK
3.000	15 min Winter	0	RWP218A	PS92	0.000	0.000	0.000	0.000	OK
4.000	600 min Winter	393	DF218	PS92	0.004	0.490	0.065	0.001	OK
1.003	600 min Winter	393	PS92	S8	0.004	0.437	0.065	0.002	OK
5.000	15 min Winter	0	RE240B	PS797	0.000	0.000	0.000	0.000	OK
6.000	15 min Winter	0	RWP241B	PS797	0.000	0.000	0.000	0.000	OK
5.001	15 min Winter	0	PS797	PS795	0.000	0.000	0.000	0.000	OK
7.000	15 min Winter	8	RWP240A	RE240A	0.008	0.000	0.000	0.000	OK
7.001	15 min Winter	8	RE240A	PS795	0.017	0.656	0.572	0.062	OK
8.000	15 min Winter	0	RWP241A	PS795	0.000	0.000	0.000	0.000	OK
9.000	15 min Winter	9	GY240	PS795	0.007	0.000	0.000	0.000	OK
5.002	15 min Winter	9	PS795	S8	0.014	0.668	0.565	0.019	OK
1.004	15 min Winter	9	S8	S9	0.072	0.815	10.647	0.107	OK
10.000	15 min Winter	0	RWP216B	RE216A	0.000	0.000	0.000	0.000	OK
10.001	15 min Winter	0	RE216A	PS789	0.000	0.000	0.000	0.000	OK
11.000	15 min Winter	0	RWP214B	PS789	0.000	0.000	0.000	0.000	OK
10.002	15 min Winter	0	PS789	PS790	0.000	0.000	0.000	0.000	OK
12.000	15 min Winter	0	RWP215A	PS790	0.000	0.000	0.000	0.000	OK
10.003	15 min Winter	0	PS790	PS96	0.000	0.000	0.000	0.000	OK
13.000	600 min Winter	392	DF214	PS96	0.004	0.441	0.061	0.001	OK
14.000	15 min Winter	0	RWP214A	PS96	0.000	0.000	0.000	0.000	OK
10.004	600 min Winter	392	PS96	S9	0.005	0.389	0.061	0.002	OK
15.000	15 min Winter	0	RWP245B	RE245	0.000	0.000	0.000	0.000	OK
15.001	15 min Winter	0	RE245	PS617	0.000	0.000	0.000	0.000	OK
15.002	15 min Winter	0	PS617	PS618	0.000	0.000	0.000	0.000	OK
15.003	15 min Winter	0	PS618	PS145	0.000	0.000	0.000	0.000	OK
16.000	600 min Winter	392	DF245	PS145	0.004	0.420	0.063	0.002	OK
15.004	600 min Winter	392	PS145	S9	0.004	0.443	0.063	0.001	OK
1.005	15 min Winter	9	S9	S2	0.090	0.785	14.038	0.161	OK
17.000	15 min Winter	0	RE259A	PS78	0.000	0.000	0.000	0.000	OK
18.000	600 min Winter	391	DF261	PS78	0.005	0.328	0.056	0.002	OK
17.001	600 min Winter	391	PS78	PS76	0.006	0.244	0.056	0.002	OK
19.000	15 min Winter	0	RE264A	PS75	0.000	0.000	0.000	0.000	OK
20.000	600 min Winter	390	DF263	PS75	0.004	0.408	0.056	0.002	OK
19.001	600 min Winter	391	PS75	PS76	0.005	0.278	0.056	0.001	OK
17.002	600 min Winter	391	PS76	S2	0.007	0.368	0.112	0.004	OK
21.000	15 min Winter	9	S1	S2	0.044	0.902	4.915	0.085	OK
1.006	15 min Winter	9	S2	S134	0.102	1.335	28.451	0.247	OK
22.000	15 min Winter	0	RE261A	PS547	0.000	0.000	0.000	0.000	OK
23.000	15 min Winter	0	ACO259	PS547	0.000	0.000	0.000	0.000	OK
22.001	15 min Winter	0	PS547	PS80	0.000	0.000	0.000	0.000	OK
24.000	600 min Winter	391	DF258	PS80	0.005	0.310	0.057	0.001	OK
22.002	600 min Winter	392	PS80	PS81	0.006	0.273	0.057	0.003	OK
25.000	15 min Winter	0	RE258A	PS81	0.000	0.000	0.000	0.000	OK
22.003	600 min Winter	392	PS81	S134	0.005	0.320	0.057	0.002	OK
26.000	15 min Winter	0	RE211B	PS821	0.000	0.000	0.000	0.000	OK
27.000	15 min Winter	0	ACO211	PS821	0.000	0.000	0.000	0.000	OK
26.001	15 min Winter	8	PS821	PS822	0.011	0.000	0.000	0.000	OK
26.002	15 min Winter	8	PS822	PS169	0.023	0.577	0.769	0.113	OK
28.000	15 min Winter	8	PS168	PS169	0.020	0.521	0.714	0.021	OK

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
26.003	15 min Winter	8	PS169	PS167	0.024	0.796	1.467	0.057	OK
29.000	15 min Winter	0	RWP210D	RE210A	0.000	0.000	0.000	0.000	OK
29.001	15 min Winter	0	RE210A	PS815	0.000	0.000	0.000	0.000	OK
30.000	15 min Winter	0	RWP210F	RE210C	0.000	0.000	0.000	0.000	OK
30.001	15 min Winter	0	RE210C	PS819	0.000	0.000	0.000	0.000	OK
31.000	15 min Winter	0	ACO210	PS819	0.000	0.000	0.000	0.000	OK
30.002	15 min Winter	0	PS819	PS815	0.000	0.000	0.000	0.000	OK
29.002	15 min Winter	0	PS815	PS167	0.000	0.000	0.000	0.000	OK
32.000	15 min Winter	8	RE210B	PS167	0.019	0.746	0.772	0.079	OK
33.000	15 min Winter	8	DF210	PS167	0.012	0.005	0.001	0.000	OK
26.004	15 min Winter	9	PS167	S134	0.024	1.211	2.220	0.056	OK
34.000	15 min Winter	0	RE256A	PS556	0.000	0.000	0.000	0.000	OK
34.001	15 min Winter	0	PS556	PS83	0.000	0.000	0.000	0.000	OK
35.000	15 min Winter	0	RE257A	PS557	0.000	0.000	0.000	0.000	OK
36.000	15 min Winter	0	ACO257	PS557	0.000	0.000	0.000	0.000	OK
37.000	600 min Winter	403	DF257	PS557	0.006	0.405	0.099	0.002	OK
35.001	600 min Winter	403	PS557	PS83	0.007	0.355	0.099	0.005	OK
34.002	600 min Winter	404	PS83	S134	0.006	0.472	0.099	0.003	OK
1.007	15 min Winter	9	S134	S3	0.125	1.098	30.603	0.251	OK
1.008	15 min Winter	10	S3	S4	0.156	0.866	31.918	0.441	OK
38.000	15 min Winter	0	RE205B	PS805	0.000	0.000	0.000	0.000	OK
39.000	15 min Winter	0	ACO205	PS805	0.000	0.000	0.000	0.000	OK
38.001	15 min Winter	9	PS805	PS644	0.008	0.000	0.000	0.000	OK
40.000	15 min Winter	0	RWP205C	RE205A	0.000	0.000	0.000	0.000	OK
40.001	15 min Winter	9	RE205A	PS644	0.008	0.000	0.000	0.000	OK
41.000	15 min Winter	9	RWP205G	PS644	0.014	0.481	0.321	0.036	OK
38.002	15 min Winter	9	PS644	PS133	0.015	0.413	0.319	0.052	OK
42.000	15 min Winter	8	RWP204B	PS133	0.014	0.693	0.470	0.043	OK
43.000	15 min Winter	9	DF205	PS133	0.010	0.006	0.001	0.000	OK
38.003	15 min Winter	9	PS133	S10	0.019	0.583	0.782	0.036	OK
38.004	15 min Winter	9	S10	S11	0.073	0.440	5.706	0.079	OK
44.000	15 min Winter	0	RWP207A	RE207A	0.000	0.000	0.000	0.000	OK
44.001	15 min Winter	9	RE207A	PS635	0.008	0.000	0.000	0.000	OK
45.000	15 min Winter	0	RE207C	PS809	0.000	0.000	0.000	0.000	OK
46.000	15 min Winter	0	ACO207	PS809	0.000	0.000	0.000	0.000	OK
45.001	15 min Winter	9	PS809	PS635	0.008	0.000	0.000	0.000	OK
47.000	15 min Winter	9	RWP207C	PS635	0.013	0.537	0.323	0.027	OK
44.002	15 min Winter	9	PS635	PS137	0.016	0.409	0.318	0.053	OK
48.000	15 min Winter	0	RE207B	PS137	0.000	0.000	0.000	0.000	OK
49.000	15 min Winter	9	DF207	PS137	0.007	0.011	0.002	0.000	OK
50.000	15 min Winter	0	RWP206B	PS137	0.000	0.000	0.000	0.000	OK
44.003	15 min Winter	9	PS137	S11	0.013	0.425	0.313	0.015	OK
51.000	15 min Winter	9	RE206C	PS807	0.014	0.491	0.321	0.044	OK
52.000	15 min Winter	9	ACO206	PS807	0.007	0.000	0.000	0.000	OK
51.001	15 min Winter	9	PS807	PS639	0.014	0.522	0.322	0.038	OK
53.000	15 min Winter	0	RWP206E	RE206A	0.000	0.000	0.000	0.000	OK
53.001	15 min Winter	9	RE206A	PS639	0.008	0.000	0.000	0.000	OK
54.000	15 min Winter	0	RWP206C	RE206B	0.000	0.000	0.000	0.000	OK
54.001	15 min Winter	9	RE206B	PS639	0.008	0.000	0.000	0.000	OK
51.002	15 min Winter	9	PS639	PS135	0.015	0.417	0.313	0.050	OK
55.000	15 min Winter	10	DF206	PS135	0.006	0.012	0.002	0.000	OK
56.000	15 min Winter	0	RWP205A	PS135	0.000	0.000	0.000	0.000	OK
51.003	15 min Winter	10	PS135	S11	0.011	0.537	0.315	0.011	OK
38.005	15 min Winter	9	S11	S12	0.089	0.679	11.976	0.198	OK
57.000	15 min Winter	0	RE208B	PS813	0.000	0.000	0.000	0.000	OK
57.001	15 min Winter	0	PS813	PS139	0.000	0.000	0.000	0.000	OK
58.000	15 min Winter	9	RWP208A	RE208A	0.011	0.000	0.000	0.000	OK
58.001	15 min Winter	9	RE208A	PS630	0.015	0.411	0.318	0.115	OK
59.000	15 min Winter	9	RWP208C	PS630	0.005	0.000	0.000	0.000	OK
60.000	15 min Winter	9	ACO208	PS630	0.005	0.000	0.000	0.000	OK
58.002	15 min Winter	9	PS630	PS631	0.011	0.819	0.320	0.017	OK
61.000	15 min Winter	9	RWP208B	PS631	0.006	0.000	0.000	0.000	OK
62.000	15 min Winter	9	RWP208I	PS631	0.006	0.000	0.000	0.000	OK
58.003	15 min Winter	9	PS631	PS139	0.012	0.596	0.316	0.030	OK
63.000	15 min Winter	10	DF208	PS139	0.007	0.015	0.003	0.000	OK
64.000	15 min Winter	0	RWP209B	PS139	0.000	0.000	0.000	0.000	OK
57.002	15 min Winter	10	PS139	S12	0.013	0.407	0.314	0.016	OK
65.000	15 min Winter	0	RE209B	PS208	0.000	0.000	0.000	0.000	OK

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
66.000	15 min Winter	0	RWP209D	PS208	0.000	0.000	0.000	0.000	OK
67.000	15 min Winter	0	ACO209	PS208	0.000	0.000	0.000	0.000	OK
68.000	15 min Winter	0	RWP209C	PS208	0.000	0.000	0.000	0.000	OK
65.001	15 min Winter	0	PS208	PS141	0.000	0.000	0.000	0.000	OK
69.000	600 min Winter	393	DF209	PS141	0.006	0.302	0.066	0.002	OK
70.000	15 min Winter	0	RWP209A	PS141	0.000	0.000	0.000	0.000	OK
65.002	600 min Winter	393	PS141	S12	0.006	0.247	0.066	0.004	OK
38.006	15 min Winter	10	S12	S13	0.117	0.537	13.461	0.200	OK
38.007	15 min Winter	10	S13	S4	0.156	0.382	13.766	0.197	OK
1.009	15 min Winter	10	S4	S5	0.157	1.239	46.256	0.658	OK
1.010	480 min Winter	380	S5	S6	0.231	0.572	10.151	0.026	OK
1.011	600 min Winter	424	S6	S99	0.300	0.161	2.764	0.036	Surcharged
1.012	480 min Winter	380	S99	S7	0.038	0.609	2.758	0.065	OK

Return Period Yrs: 10.0

Climate Change %: 40

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RE218A	-	0	5.250	0.000	0.000		OK
PS785	-	0	5.150	0.000	0.000		OK
RWP219C	-	0	5.275	0.000	0.000		OK
PS784	-	0	5.045	0.000	0.000		OK
RWP218A	-	0	5.450	0.000	0.000		OK
DF218	120 min Summer	80	5.210	0.010	0.505		OK
PS92	120 min Summer	80	4.956	0.011	0.505		OK
RE240B	-	0	5.425	0.000	0.000		OK
RWP241B	-	0	5.450	0.000	0.000		OK
PS797	-	0	5.300	0.000	0.000		OK
RWP240A	-	0	5.450	0.000	0.000		OK
RE240A	15 min Winter	8	5.439	0.039	2.998		OK
RWP241A	-	0	5.475	0.000	0.000		OK
GY240	-	0	5.350	0.000	0.000		OK
PS795	15 min Winter	8	4.712	0.032	2.972		OK
S8	15 min Winter	8	4.523	0.158	56.019		OK
RWP216B	-	0	5.150	0.000	0.000		OK
RE216A	-	0	5.100	0.000	0.000		OK
RWP214B	-	0	5.000	0.000	0.000		OK
PS789	-	0	4.850	0.000	0.000		OK
RWP215A	-	0	5.150	0.000	0.000		OK
PS790	-	0	4.700	0.000	0.000		OK
DF214	120 min Summer	79	4.935	0.010	0.498		OK
RWP214A	-	0	4.925	0.000	0.000		OK
PS96	120 min Summer	79	4.612	0.012	0.498		OK
RWP245B	-	0	5.200	0.000	0.000		OK
RE245	-	0	5.100	0.000	0.000		OK
PS617	-	0	5.000	0.000	0.000		OK
PS618	-	0	4.600	0.000	0.000		OK
DF245	120 min Summer	79	4.837	0.012	0.501		OK
PS145	15 min Winter	10	4.492	0.017	0.001		OK
S9	15 min Winter	10	4.494	0.419	58.943		Surcharged
RE259A	-	0	4.925	0.000	0.000		OK
DF261	120 min Summer	78	4.754	0.013	0.488		OK
PS78	120 min Summer	78	4.563	0.013	0.488		OK
RE264A	-	0	5.300	0.000	0.000		OK
DF263	120 min Summer	78	4.938	0.013	0.488		OK
PS75	120 min Summer	78	4.660	0.010	0.488		OK
PS76	15 min Winter	10	4.402	0.202	0.667		Surcharged
S1	15 min Winter	10	4.421	0.125	20.366		OK
S2	15 min Winter	10	4.400	0.546	117.038		Surcharged
RE261A	-	0	4.800	0.000	0.000		OK
ACO259	-	0	4.795	0.000	0.000		OK
PS547	-	0	4.600	0.000	0.000		OK
DF258	120 min Summer	78	4.586	0.011	0.490		OK
PS80	120 min Summer	78	3.942	0.017	0.490		OK
RE258A	-	0	4.350	0.000	0.000		OK
PS81	15 min Winter	11	3.913	0.088	0.000		OK
RE211B	-	0	4.375	0.000	0.000		OK
ACO211	-	0	4.370	0.000	0.000		OK
PS821	15 min Winter	8	4.304	0.004	0.048		OK
PS822	15 min Winter	8	4.304	0.054	4.028		OK
PS168	15 min Winter	8	4.184	0.034	3.716		OK
PS169	15 min Winter	8	4.105	0.055	7.621		OK
RWP210D	-	0	4.300	0.000	0.000		OK
RE210A	-	0	4.250	0.000	0.000		OK
RWP210F	-	0	4.300	0.000	0.000		OK
RE210C	-	0	4.275	0.000	0.000		OK
ACO210	-	0	4.220	0.000	0.000		OK
PS819	-	0	4.130	0.000	0.000		OK
PS815	-	0	4.000	0.000	0.000		OK
RE210B	15 min Winter	8	4.144	0.044	4.028		OK
DF210	120 min Summer	77	4.110	0.010	0.476		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
PS167	15 min Winter	11	3.920	0.120	7.491		OK
RE256A	-	0	4.350	0.000	0.000		OK
PS556	-	0	4.200	0.000	0.000		OK
RE257A	-	0	4.400	0.000	0.000		OK
ACO257	-	0	4.370	0.000	0.000		OK
DF257	180 min Winter	129	4.360	0.010	0.569		OK
PS557	180 min Winter	129	4.193	0.018	0.569		OK
PS83	180 min Winter	130	4.023	0.013	0.569		OK
S134	15 min Winter	11	3.912	0.555	123.544		Surcharged
S3	720 min Winter	697	3.884	0.659	1.512		Surcharged
RE205B	-	0	4.835	0.000	0.000		OK
ACO205	-	0	4.820	0.000	0.000		OK
PS805	-	0	4.750	0.000	0.000		OK
RWP205C	-	0	4.850	0.000	0.000		OK
RE205A	-	0	4.800	0.000	0.000		OK
RWP205G	15 min Winter	8	4.829	0.029	1.697		OK
PS644	15 min Winter	8	4.735	0.035	1.678		OK
RWP204B	15 min Winter	8	4.832	0.032	2.464		OK
DF205	120 min Summer	79	4.713	0.013	0.504		OK
PS133	15 min Winter	8	4.564	0.044	4.075		OK
S10	720 min Winter	696	3.884	0.359	0.247		Surcharged
RWP207A	-	0	4.600	0.000	0.000		OK
RE207A	-	0	4.550	0.000	0.000		OK
RE207C	-	0	4.625	0.000	0.000		OK
ACO207	-	0	4.595	0.000	0.000		OK
PS809	-	0	4.500	0.000	0.000		OK
RWP207C	15 min Winter	8	4.625	0.025	1.697		OK
PS635	15 min Winter	9	4.435	0.035	1.608		OK
RE207B	-	0	4.600	0.000	0.000		OK
DF207	120 min Summer	80	4.486	0.011	0.506		OK
RWP206B	-	0	4.650	0.000	0.000		OK
PS137	15 min Winter	9	4.254	0.029	1.644		OK
RE206C	15 min Winter	8	4.783	0.033	1.697		OK
ACO206	-	0	4.745	0.000	0.000		OK
PS807	15 min Winter	8	4.680	0.030	1.676		OK
RWP206E	-	0	4.750	0.000	0.000		OK
RE206A	-	0	4.700	0.000	0.000		OK
RWP206C	-	0	4.700	0.000	0.000		OK
RE206B	-	0	4.650	0.000	0.000		OK
PS639	15 min Winter	9	4.635	0.035	1.633		OK
DF206	120 min Winter	86	4.662	0.012	0.507		OK
RWP205A	-	0	4.800	0.000	0.000		OK
PS135	15 min Winter	9	4.449	0.024	1.659		OK
S11	720 min Winter	696	3.884	0.459	0.564		Surcharged
RE208B	-	0	4.625	0.000	0.000		OK
PS813	-	0	4.515	0.000	0.000		OK
RWP208A	-	0	4.500	0.000	0.000		OK
RE208A	15 min Winter	8	4.497	0.047	1.697		OK
RWP208C	-	0	4.550	0.000	0.000		OK
ACO208	-	0	4.520	0.000	0.000		OK
PS630	15 min Winter	8	4.455	0.020	1.669		OK
RWP208B	-	0	4.550	0.000	0.000		OK
RWP208I	-	0	4.550	0.000	0.000		OK
PS631	15 min Winter	9	4.227	0.027	1.632		OK
DF208	120 min Summer	79	4.310	0.010	0.505		OK
RWP209B	-	0	4.400	0.000	0.000		OK
PS139	720 min Winter	696	3.884	0.084	0.053		OK
RE209B	-	0	4.425	0.000	0.000		OK
RWP209D	-	0	4.450	0.000	0.000		OK
ACO209	-	0	4.370	0.000	0.000		OK
RWP209C	-	0	4.400	0.000	0.000		OK
PS208	-	0	4.245	0.000	0.000		OK
DF209	120 min Winter	86	4.213	0.013	0.506		OK
RWP209A	-	0	4.400	0.000	0.000		OK
PS141	120 min Summer	80	4.042	0.017	0.506		OK
S12	720 min Winter	697	3.884	0.594	0.699		Surcharged
S13	720 min Winter	694	3.884	0.684	0.755		Surcharged
S4	720 min Winter	694	3.884	0.709	2.410		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S5	720 min Winter	694	3.884	0.734	2.701		Surcharged
S6	720 min Winter	697	3.884	0.884	2.471		Surcharged
S99	720 min Winter	697	3.884	0.909	2.482		Surcharged
S7	960 min Winter	2805	2.989	0.039	2.771		Outfall

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
1.000	15 min Summer	0	RE218A	PS785	0.000	0.000	0.000	0.000	OK
1.001	15 min Summer	0	PS785	PS784	0.000	0.000	0.000	0.000	OK
2.000	15 min Summer	0	RWP219C	PS784	0.000	0.000	0.000	0.000	OK
1.002	15 min Summer	0	PS784	PS92	0.000	0.000	0.000	0.000	OK
3.000	15 min Summer	0	RWP218A	PS92	0.000	0.000	0.000	0.000	OK
4.000	120 min Summer	80	DF218	PS92	0.011	0.911	0.505	0.008	OK
1.003	120 min Summer	80	PS92	S8	0.011	0.815	0.505	0.012	OK
5.000	15 min Summer	0	RE240B	PS797	0.000	0.000	0.000	0.000	OK
6.000	15 min Summer	0	RWP241B	PS797	0.000	0.000	0.000	0.000	OK
5.001	15 min Summer	0	PS797	PS795	0.000	0.000	0.000	0.000	OK
7.000	15 min Winter	8	RWP240A	RE240A	0.019	0.000	0.000	0.000	OK
7.001	15 min Winter	8	RE240A	PS795	0.039	1.052	2.972	0.321	OK
8.000	15 min Summer	0	RWP241A	PS795	0.000	0.000	0.000	0.000	OK
9.000	15 min Winter	8	GY240	PS795	0.016	0.000	0.000	0.000	OK
5.002	15 min Winter	8	PS795	S8	0.032	1.088	2.952	0.098	OK
1.004	15 min Winter	10	S8	S9	0.227	1.233	55.527	0.560	OK
10.000	15 min Summer	0	RWP216B	RE216A	0.000	0.000	0.000	0.000	OK
10.001	15 min Summer	0	RE216A	PS789	0.000	0.000	0.000	0.000	OK
11.000	15 min Summer	0	RWP214B	PS789	0.000	0.000	0.000	0.000	OK
10.002	15 min Summer	0	PS789	PS790	0.000	0.000	0.000	0.000	OK
12.000	15 min Summer	0	RWP215A	PS790	0.000	0.000	0.000	0.000	OK
10.003	15 min Summer	0	PS790	PS96	0.000	0.000	0.000	0.000	OK
13.000	120 min Summer	79	DF214	PS96	0.011	0.834	0.498	0.009	OK
14.000	15 min Summer	0	RWP214A	PS96	0.000	0.000	0.000	0.000	OK
10.004	30 min Summer	36	PS96	S9	0.075	0.693	0.411	0.011	OK
15.000	15 min Summer	0	RWP245B	RE245	0.000	0.000	0.000	0.000	OK
15.001	15 min Summer	0	RE245	PS617	0.000	0.000	0.000	0.000	OK
15.002	15 min Summer	0	PS617	PS618	0.000	0.000	0.000	0.000	OK
15.003	15 min Summer	0	PS618	PS145	0.000	0.000	0.000	0.000	OK
16.000	120 min Summer	79	DF245	PS145	0.012	0.791	0.501	0.013	OK
15.004	15 min Winter	27	PS145	S9	0.084	0.710	0.294	0.007	OK
1.005	30 min Summer	17	S9	S2	0.300	1.104	64.736	0.742	Surcharged
17.000	15 min Summer	0	RE259A	PS78	0.000	0.000	0.000	0.000	OK
18.000	120 min Summer	78	DF261	PS78	0.013	0.633	0.488	0.017	OK
17.001	30 min Summer	36	PS78	PS76	0.075	0.440	0.405	0.013	OK
19.000	15 min Summer	0	RE264A	PS75	0.000	0.000	0.000	0.000	OK
20.000	120 min Summer	78	DF263	PS75	0.011	0.790	0.488	0.014	OK
19.001	30 min Summer	36	PS75	PS76	0.075	0.502	0.405	0.008	OK
17.002	30 min Summer	19	PS76	S2	0.150	0.677	3.144	0.119	Surcharged
21.000	15 min Winter	10	S1	S2	0.175	1.058	25.897	0.446	OK
1.006	15 min Winter	10	S2	S134	0.300	1.718	117.644	1.023	Surcharged
22.000	15 min Summer	0	RE261A	PS547	0.000	0.000	0.000	0.000	OK
23.000	15 min Summer	0	ACO259	PS547	0.000	0.000	0.000	0.000	OK
22.001	15 min Summer	0	PS547	PS80	0.000	0.000	0.000	0.000	OK
24.000	120 min Summer	78	DF258	PS80	0.014	0.597	0.490	0.011	OK
22.002	15 min Winter	27	PS80	PS81	0.044	0.449	0.290	0.015	OK
25.000	15 min Winter	11	RE258A	PS81	0.019	0.000	0.000	0.000	OK
22.003	15 min Winter	12	PS81	S134	0.119	0.522	1.707	0.060	OK
26.000	15 min Winter	8	RE211B	PS821	0.002	0.000	0.000	0.000	OK
27.000	15 min Winter	8	ACO211	PS821	0.002	0.000	0.000	0.000	OK
26.001	15 min Winter	9	PS821	PS822	0.029	0.020	0.026	0.003	OK
26.002	15 min Winter	8	PS822	PS169	0.054	0.901	3.925	0.577	OK
28.000	15 min Winter	8	PS168	PS169	0.045	0.841	3.695	0.111	OK
26.003	15 min Winter	10	PS169	PS167	0.083	1.245	7.578	0.293	OK
29.000	15 min Summer	0	RWP210D	RE210A	0.000	0.000	0.000	0.000	OK
29.001	15 min Summer	0	RE210A	PS815	0.000	0.000	0.000	0.000	OK
30.000	15 min Summer	0	RWP210F	RE210C	0.000	0.000	0.000	0.000	OK

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
30.001	15 min Summer	0	RE210C	PS819	0.000	0.000	0.000	0.000	OK
31.000	15 min Summer	0	ACO210	PS819	0.000	0.000	0.000	0.000	OK
30.002	15 min Summer	0	PS819	PS815	0.000	0.000	0.000	0.000	OK
29.002	15 min Winter	11	PS815	PS167	0.035	0.000	0.000	0.000	OK
32.000	15 min Winter	10	RE210B	PS167	0.053	1.187	3.996	0.407	OK
33.000	15 min Winter	26	DF210	PS167	0.060	0.539	0.285	0.006	OK
26.004	15 min Winter	11	PS167	S134	0.135	1.624	10.913	0.277	OK
34.000	15 min Summer	0	RE256A	PS556	0.000	0.000	0.000	0.000	OK
34.001	15 min Summer	0	PS556	PS83	0.000	0.000	0.000	0.000	OK
35.000	15 min Summer	0	RE257A	PS557	0.000	0.000	0.000	0.000	OK
36.000	15 min Summer	0	ACO257	PS557	0.000	0.000	0.000	0.000	OK
37.000	180 min Winter	129	DF257	PS557	0.014	0.686	0.569	0.009	OK
35.001	180 min Winter	130	PS557	PS83	0.015	0.608	0.569	0.027	OK
34.002	180 min Winter	130	PS83	S134	0.081	0.704	0.569	0.014	OK
1.007	15 min Winter	11	S134	S3	0.300	1.769	125.063	1.024	Surcharged
1.008	15 min Winter	11	S3	S4	0.300	1.851	130.856	1.808	Surcharged
38.000	15 min Summer	0	RE205B	PS805	0.000	0.000	0.000	0.000	OK
39.000	15 min Summer	0	ACO205	PS805	0.000	0.000	0.000	0.000	OK
38.001	15 min Winter	8	PS805	PS644	0.018	0.000	0.000	0.000	OK
40.000	15 min Summer	0	RWP205C	RE205A	0.000	0.000	0.000	0.000	OK
40.001	15 min Winter	8	RE205A	PS644	0.018	0.000	0.000	0.000	OK
41.000	15 min Winter	8	RWP205G	PS644	0.032	0.764	1.678	0.190	OK
38.002	15 min Winter	9	PS644	PS133	0.035	0.665	1.644	0.269	OK
42.000	15 min Winter	8	RWP204B	PS133	0.032	1.118	2.443	0.225	OK
43.000	15 min Winter	27	DF205	PS133	0.022	0.483	0.296	0.010	OK
38.003	15 min Winter	8	PS133	S10	0.044	0.942	4.036	0.187	OK
38.004	360 min Summer	330	S10	S11	0.300	0.454	6.951	0.096	Surcharged
44.000	15 min Summer	0	RWP207A	RE207A	0.000	0.000	0.000	0.000	OK
44.001	15 min Winter	9	RE207A	PS635	0.018	0.000	0.000	0.000	OK
45.000	15 min Summer	0	RE207C	PS809	0.000	0.000	0.000	0.000	OK
46.000	15 min Summer	0	ACO207	PS809	0.000	0.000	0.000	0.000	OK
45.001	15 min Winter	9	PS809	PS635	0.018	0.000	0.000	0.000	OK
47.000	15 min Winter	8	RWP207C	PS635	0.030	0.838	1.681	0.139	OK
44.002	15 min Winter	9	PS635	PS137	0.035	0.659	1.644	0.273	OK
48.000	15 min Summer	0	RE207B	PS137	0.000	0.000	0.000	0.000	OK
49.000	120 min Summer	80	DF207	PS137	0.016	0.582	0.506	0.010	OK
50.000	15 min Summer	0	RWP206B	PS137	0.000	0.000	0.000	0.000	OK
44.003	15 min Winter	9	PS137	S11	0.029	0.701	1.656	0.081	OK
51.000	15 min Winter	8	RE206C	PS807	0.031	0.791	1.676	0.232	OK
52.000	15 min Winter	8	ACO206	PS807	0.015	0.000	0.000	0.000	OK
51.001	15 min Winter	9	PS807	PS639	0.032	0.755	1.655	0.196	OK
53.000	15 min Summer	0	RWP206E	RE206A	0.000	0.000	0.000	0.000	OK
53.001	15 min Winter	9	RE206A	PS639	0.018	0.000	0.000	0.000	OK
54.000	15 min Summer	0	RWP206C	RE206B	0.000	0.000	0.000	0.000	OK
54.001	15 min Winter	9	RE206B	PS639	0.018	0.000	0.000	0.000	OK
51.002	15 min Winter	9	PS639	PS135	0.035	0.676	1.658	0.267	OK
55.000	180 min Summer	113	DF206	PS135	0.015	0.604	0.503	0.014	OK
56.000	15 min Summer	0	RWP205A	PS135	0.000	0.000	0.000	0.000	OK
51.003	15 min Winter	9	PS135	S11	0.024	0.889	1.665	0.058	OK
38.005	15 min Winter	10	S11	S12	0.300	0.900	52.662	0.871	Surcharged
57.000	15 min Summer	0	RE208B	PS813	0.000	0.000	0.000	0.000	OK
57.001	720 min Winter	696	PS813	PS139	0.017	0.000	0.000	0.000	OK
58.000	15 min Winter	8	RWP208A	RE208A	0.023	0.000	0.000	0.000	OK
58.001	15 min Winter	8	RE208A	PS630	0.033	0.727	1.669	0.604	OK
59.000	15 min Winter	8	RWP208C	PS630	0.010	0.000	0.000	0.000	OK
60.000	15 min Winter	8	ACO208	PS630	0.010	0.000	0.000	0.000	OK
58.002	15 min Winter	8	PS630	PS631	0.023	1.178	1.656	0.089	OK
61.000	15 min Winter	9	RWP208B	PS631	0.013	0.000	0.000	0.000	OK
62.000	15 min Winter	9	RWP208I	PS631	0.013	0.000	0.000	0.000	OK
58.003	15 min Winter	9	PS631	PS139	0.027	0.969	1.651	0.159	OK
63.000	720 min Winter	696	DF208	PS139	0.044	0.462	0.276	0.005	OK
64.000	720 min Winter	696	RWP209B	PS139	0.017	0.000	0.000	0.000	OK
57.002	720 min Winter	696	PS139	S12	0.117	0.443	0.409	0.021	OK
65.000	15 min Summer	0	RE209B	PS208	0.000	0.000	0.000	0.000	OK
66.000	15 min Summer	0	RWP209D	PS208	0.000	0.000	0.000	0.000	OK
67.000	15 min Summer	0	ACO209	PS208	0.000	0.000	0.000	0.000	OK
68.000	15 min Summer	0	RWP209C	PS208	0.000	0.000	0.000	0.000	OK
65.001	15 min Summer	0	PS208	PS141	0.000	0.000	0.000	0.000	OK

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
69.000	120 min Summer	80	DF209	PS141	0.015	0.558	0.506	0.015	OK
70.000	15 min Summer	0	RWP209A	PS141	0.000	0.000	0.000	0.000	OK
65.002	120 min Summer	80	PS141	S12	0.017	0.461	0.506	0.027	OK
38.006	15 min Winter	10	S12	S13	0.300	0.873	61.688	0.918	Surcharged
38.007	15 min Winter	10	S13	S4	0.300	0.867	61.286	0.878	Surcharged
1.009	30 min Summer	18	S4	S5	0.300	2.620	185.174	2.632	Surcharged
1.010	240 min Summer	184	S5	S6	0.600	1.048	79.749	0.202	Surcharged
1.011	15 min Winter	11	S6	S99	0.300	0.503	16.811	0.220	Surcharged
1.012	960 min Winter	2805	S99	S7	0.039	0.610	2.771	0.066	OK

Return Period Yrs: 30.0

Climate Change %: 40

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RE218A	-	0	5.250	0.000	0.000		OK
PS785	-	0	5.150	0.000	0.000		OK
RWP219C	-	0	5.275	0.000	0.000		OK
PS784	-	0	5.045	0.000	0.000		OK
RWP218A	-	0	5.450	0.000	0.000		OK
DF218	60 min Winter	61	5.211	0.011	0.632		OK
PS92	60 min Winter	61	4.958	0.013	0.632		OK
RE240B	-	0	5.425	0.000	0.000		OK
RWP241B	-	0	5.450	0.000	0.000		OK
PS797	-	0	5.300	0.000	0.000		OK
RWP240A	-	0	5.450	0.000	0.000		OK
RE240A	15 min Winter	8	5.445	0.045	3.886		OK
RWP241A	-	0	5.475	0.000	0.000		OK
GY240	-	0	5.350	0.000	0.000		OK
PS795	15 min Winter	10	4.889	0.209	3.107		Surcharged
S8	15 min Winter	10	4.876	0.511	57.144		Surcharged
RWP216B	-	0	5.150	0.000	0.000		OK
RE216A	-	0	5.100	0.000	0.000		OK
RWP214B	-	0	5.000	0.000	0.000		OK
PS789	-	0	4.850	0.000	0.000		OK
RWP215A	-	0	5.150	0.000	0.000		OK
PS790	15 min Winter	11	4.815	0.115	0.000		Surcharged
DF214	60 min Winter	60	4.936	0.011	0.624		OK
RWP214A	-	0	4.925	0.000	0.000		OK
PS96	15 min Winter	11	4.814	0.214	0.281		Surcharged
RWP245B	-	0	5.200	0.000	0.000		OK
RE245	-	0	5.100	0.000	0.000		OK
PS617	-	0	5.000	0.000	0.000		OK
PS618	15 min Winter	11	4.821	0.221	0.000		Surcharged
DF245	60 min Winter	60	4.838	0.013	0.627		OK
PS145	15 min Winter	11	4.818	0.343	0.737		Surcharged
S9	15 min Winter	11	4.815	0.739	63.041		Surcharged
RE259A	-	0	4.925	0.000	0.000		OK
DF261	60 min Winter	60	4.756	0.015	0.610		OK
PS78	15 min Winter	11	4.700	0.150	0.001		Surcharged
RE264A	-	0	5.300	0.000	0.000		OK
DF263	60 min Winter	60	4.939	0.014	0.609		OK
PS75	15 min Winter	11	4.702	0.052	0.157		OK
PS76	15 min Winter	11	4.700	0.500	0.926		Surcharged
S1	15 min Winter	10	4.750	0.455	26.401		Surcharged
S2	15 min Winter	11	4.697	0.843	128.218		Surcharged
RE261A	-	0	4.800	0.000	0.000		OK
ACO259	-	0	4.795	0.000	0.000		OK
PS547	-	0	4.600	0.000	0.000		OK
DF258	60 min Winter	60	4.587	0.012	0.612		OK
PS80	15 min Winter	11	4.088	0.163	0.358		Surcharged
RE258A	-	0	4.350	0.000	0.000		OK
PS81	15 min Winter	11	4.088	0.263	0.642		Surcharged
RE211B	-	0	4.375	0.000	0.000		OK
ACO211	-	0	4.370	0.000	0.000		OK
PS821	15 min Winter	8	4.314	0.014	0.061		OK
PS822	15 min Winter	8	4.314	0.064	5.220		OK
PS168	15 min Winter	8	4.188	0.038	4.815		OK
PS169	15 min Winter	8	4.114	0.064	9.886		OK
RWP210D	-	0	4.300	0.000	0.000		OK
RE210A	-	0	4.250	0.000	0.000		OK
RWP210F	-	0	4.300	0.000	0.000		OK
RE210C	-	0	4.275	0.000	0.000		OK
ACO210	-	0	4.220	0.000	0.000		OK
PS819	-	0	4.130	0.000	0.000		OK
PS815	15 min Winter	11	4.103	0.103	0.000		Surcharged
RE210B	15 min Winter	8	4.152	0.052	5.220		OK
DF210	60 min Winter	60	4.111	0.011	0.593		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
PS167	15 min Winter	11	4.103	0.303	9.984		Surcharged
RE256A	-	0	4.350	0.000	0.000		OK
PS556	-	0	4.200	0.000	0.000		OK
RE257A	-	0	4.400	0.000	0.000		OK
ACO257	-	0	4.370	0.000	0.000		OK
DF257	120 min Winter	92	4.361	0.011	0.697		OK
PS557	120 min Winter	92	4.195	0.020	0.697		OK
PS83	15 min Winter	11	4.088	0.077	0.337		OK
S134	15 min Winter	11	4.086	0.729	141.046		Surcharged
S3	720 min Winter	700	4.026	0.801	1.675		Surcharged
RE205B	-	0	4.835	0.000	0.000		OK
ACO205	-	0	4.820	0.000	0.000		OK
PS805	-	0	4.750	0.000	0.000		OK
RWP205C	-	0	4.850	0.000	0.000		OK
RE205A	-	0	4.800	0.000	0.000		OK
RWP205G	15 min Winter	8	4.834	0.034	2.199		OK
PS644	15 min Winter	8	4.741	0.041	2.177		OK
RWP204B	15 min Winter	8	4.837	0.037	3.193		OK
DF205	60 min Winter	61	4.715	0.015	0.631		OK
PS133	15 min Winter	8	4.570	0.050	5.293		OK
S10	15 min Winter	10	4.044	0.519	31.090		Surcharged
RWP207A	-	0	4.600	0.000	0.000		OK
RE207A	-	0	4.550	0.000	0.000		OK
RE207C	-	0	4.625	0.000	0.000		OK
ACO207	-	0	4.595	0.000	0.000		OK
PS809	-	0	4.500	0.000	0.000		OK
RWP207C	15 min Winter	8	4.629	0.029	2.199		OK
PS635	15 min Winter	8	4.441	0.041	2.181		OK
RE207B	-	0	4.600	0.000	0.000		OK
DF207	60 min Winter	61	4.487	0.012	0.633		OK
RWP206B	-	0	4.650	0.000	0.000		OK
PS137	15 min Winter	9	4.258	0.033	2.130		OK
RE206C	15 min Winter	8	4.788	0.038	2.199		OK
ACO206	-	0	4.745	0.000	0.000		OK
PS807	15 min Winter	8	4.684	0.034	2.174		OK
RWP206E	-	0	4.750	0.000	0.000		OK
RE206A	-	0	4.700	0.000	0.000		OK
RWP206C	-	0	4.700	0.000	0.000		OK
RE206B	-	0	4.650	0.000	0.000		OK
PS639	15 min Winter	9	4.640	0.040	2.114		OK
DF206	60 min Winter	61	4.664	0.014	0.633		OK
RWP205A	-	0	4.800	0.000	0.000		OK
PS135	15 min Winter	9	4.453	0.028	2.151		OK
S11	15 min Winter	10	4.027	0.602	67.028		Surcharged
RE208B	-	0	4.625	0.000	0.000		OK
PS813	-	0	4.515	0.000	0.000		OK
RWP208A	15 min Winter	8	4.502	0.002	0.036		OK
RE208A	15 min Winter	8	4.502	0.052	2.199		OK
RWP208C	-	0	4.550	0.000	0.000		OK
ACO208	-	0	4.520	0.000	0.000		OK
PS630	15 min Winter	9	4.458	0.023	2.113		OK
RWP208B	-	0	4.550	0.000	0.000		OK
RWP208I	-	0	4.550	0.000	0.000		OK
PS631	15 min Winter	9	4.231	0.031	2.125		OK
DF208	60 min Winter	61	4.311	0.011	0.631		OK
RWP209B	-	0	4.400	0.000	0.000		OK
PS139	720 min Winter	701	4.026	0.226	0.060		Surcharged
RE209B	-	0	4.425	0.000	0.000		OK
RWP209D	-	0	4.450	0.000	0.000		OK
ACO209	-	0	4.370	0.000	0.000		OK
RWP209C	-	0	4.400	0.000	0.000		OK
PS208	-	0	4.245	0.000	0.000		OK
DF209	60 min Winter	61	4.214	0.014	0.633		OK
RWP209A	-	0	4.400	0.000	0.000		OK
PS141	60 min Winter	61	4.044	0.019	0.633		OK
S12	720 min Winter	698	4.026	0.736	0.823		Surcharged
S13	720 min Winter	700	4.026	0.826	0.781		Surcharged
S4	720 min Winter	700	4.026	0.851	2.448		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S5	720 min Winter	703	4.026	0.876	2.438		Flood Risk
S6	720 min Winter	701	4.026	1.026	2.633		Surcharged
S99	720 min Winter	701	4.026	1.051	2.658		Flood Risk
S7	1440 min Summer	3749	2.989	0.039	2.771		Outfall

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
1.000	15 min Summer	0	RE218A	PS785	0.000	0.000	0.000	0.000	OK
1.001	15 min Summer	0	PS785	PS784	0.000	0.000	0.000	0.000	OK
2.000	15 min Summer	0	RWP219C	PS784	0.000	0.000	0.000	0.000	OK
1.002	15 min Summer	0	PS784	PS92	0.000	0.000	0.000	0.000	OK
3.000	15 min Summer	0	RWP218A	PS92	0.000	0.000	0.000	0.000	OK
4.000	60 min Winter	61	DF218	PS92	0.012	0.981	0.632	0.011	OK
1.003	30 min Summer	42	PS92	S8	0.076	0.825	0.526	0.012	OK
5.000	15 min Summer	0	RE240B	PS797	0.000	0.000	0.000	0.000	OK
6.000	15 min Summer	0	RWP241B	PS797	0.000	0.000	0.000	0.000	OK
5.001	15 min Winter	10	PS797	PS795	0.050	0.000	0.000	0.000	OK
7.000	15 min Winter	8	RWP240A	RE240A	0.022	0.000	0.000	0.000	OK
7.001	15 min Winter	8	RE240A	PS795	0.045	1.127	3.855	0.416	OK
8.000	15 min Summer	0	RWP241A	PS795	0.000	0.000	0.000	0.000	OK
9.000	15 min Winter	10	GY240	PS795	0.075	0.000	0.000	0.000	OK
5.002	30 min Summer	19	PS795	S8	0.150	1.148	3.899	0.129	Surcharged
1.004	15 min Winter	9	S8	S9	0.300	1.251	66.056	0.666	Surcharged
10.000	15 min Summer	0	RWP216B	RE216A	0.000	0.000	0.000	0.000	OK
10.001	15 min Summer	0	RE216A	PS789	0.000	0.000	0.000	0.000	OK
11.000	15 min Summer	0	RWP214B	PS789	0.000	0.000	0.000	0.000	OK
10.002	15 min Winter	10	PS789	PS790	0.050	0.000	0.000	0.000	OK
12.000	15 min Winter	10	RWP215A	PS790	0.050	0.000	0.000	0.000	OK
10.003	15 min Winter	12	PS790	PS96	0.100	0.408	1.833	0.272	Surcharged
13.000	30 min Summer	42	DF214	PS96	0.076	0.846	0.521	0.010	OK
14.000	15 min Winter	10	RWP214A	PS96	0.050	0.000	0.000	0.000	OK
10.004	30 min Summer	20	PS96	S9	0.150	0.745	2.083	0.057	Surcharged
15.000	15 min Summer	0	RWP245B	RE245	0.000	0.000	0.000	0.000	OK
15.001	15 min Summer	0	RE245	PS617	0.000	0.000	0.000	0.000	OK
15.002	15 min Winter	10	PS617	PS618	0.050	0.000	0.000	0.000	OK
15.003	30 min Summer	20	PS618	PS145	0.100	0.347	1.971	0.275	Surcharged
16.000	30 min Summer	42	DF245	PS145	0.076	0.803	0.523	0.013	OK
15.004	15 min Winter	13	PS145	S9	0.150	0.787	5.657	0.128	Surcharged
1.005	15 min Winter	11	S9	S2	0.300	1.114	65.473	0.750	Surcharged
17.000	15 min Winter	11	RE259A	PS78	0.050	0.000	0.000	0.000	OK
18.000	15 min Winter	31	DF261	PS78	0.075	0.601	0.409	0.014	OK
17.001	15 min Winter	12	PS78	PS76	0.150	0.442	2.735	0.089	Surcharged
19.000	15 min Winter	11	RE264A	PS75	0.001	0.000	0.000	0.000	OK
20.000	15 min Winter	31	DF263	PS75	0.026	0.747	0.409	0.011	OK
19.001	15 min Winter	31	PS75	PS76	0.101	0.503	0.409	0.008	OK
17.002	30 min Winter	23	PS76	S2	0.150	0.730	5.387	0.205	Surcharged
21.000	15 min Winter	9	S1	S2	0.225	1.090	29.142	0.502	OK
1.006	15 min Winter	10	S2	S134	0.300	1.868	132.052	1.148	Surcharged
22.000	15 min Summer	0	RE261A	PS547	0.000	0.000	0.000	0.000	OK
23.000	15 min Summer	0	ACO259	PS547	0.000	0.000	0.000	0.000	OK
22.001	15 min Winter	11	PS547	PS80	0.050	0.000	0.000	0.000	OK
24.000	15 min Winter	31	DF258	PS80	0.075	0.568	0.410	0.009	OK
22.002	15 min Winter	13	PS80	PS81	0.150	0.497	2.021	0.103	Surcharged
25.000	15 min Summer	10	RE258A	PS81	0.050	0.000	0.000	0.000	OK
22.003	15 min Winter	14	PS81	S134	0.150	0.364	4.840	0.169	Surcharged
26.000	15 min Winter	8	RE211B	PS821	0.007	0.000	0.000	0.000	OK
27.000	15 min Winter	8	ACO211	PS821	0.007	0.000	0.000	0.000	OK
26.001	15 min Winter	10	PS821	PS822	0.039	0.043	0.093	0.011	OK
26.002	15 min Winter	8	PS822	PS169	0.064	0.956	5.094	0.748	OK
28.000	15 min Winter	8	PS168	PS169	0.051	0.902	4.792	0.144	OK
26.003	15 min Winter	9	PS169	PS167	0.106	1.260	9.835	0.380	OK
29.000	15 min Summer	0	RWP210D	RE210A	0.000	0.000	0.000	0.000	OK
29.001	15 min Winter	11	RE210A	PS815	0.050	0.000	0.000	0.000	OK
30.000	15 min Summer	0	RWP210F	RE210C	0.000	0.000	0.000	0.000	OK

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
30.001	15 min Summer	0	RE210C	PS819	0.000	0.000	0.000	0.000	OK
31.000	15 min Summer	0	ACO210	PS819	0.000	0.000	0.000	0.000	OK
30.002	15 min Winter	11	PS819	PS815	0.050	0.000	0.000	0.000	OK
29.002	15 min Winter	13	PS815	PS167	0.100	0.245	1.318	0.205	Surcharged
32.000	15 min Winter	9	RE210B	PS167	0.075	1.240	5.182	0.528	OK
33.000	60 min Summer	60	DF210	PS167	0.079	0.653	0.578	0.011	OK
26.004	15 min Winter	9	PS167	S134	0.150	1.558	12.126	0.308	Surcharged
34.000	15 min Summer	0	RE256A	PS556	0.000	0.000	0.000	0.000	OK
34.001	15 min Winter	11	PS556	PS83	0.014	0.000	0.000	0.000	OK
35.000	15 min Summer	0	RE257A	PS557	0.000	0.000	0.000	0.000	OK
36.000	15 min Summer	0	ACO257	PS557	0.000	0.000	0.000	0.000	OK
37.000	120 min Winter	92	DF257	PS557	0.015	0.731	0.697	0.011	OK
35.001	15 min Winter	33	PS557	PS83	0.039	0.563	0.444	0.021	OK
34.002	15 min Winter	12	PS83	S134	0.114	0.414	1.087	0.028	OK
1.007	15 min Winter	12	S134	S3	0.300	2.004	141.684	1.160	Surcharged
1.008	15 min Winter	12	S3	S4	0.300	2.093	147.938	2.044	Surcharged
38.000	15 min Summer	0	RE205B	PS805	0.000	0.000	0.000	0.000	OK
39.000	15 min Summer	0	ACO205	PS805	0.000	0.000	0.000	0.000	OK
38.001	15 min Winter	8	PS805	PS644	0.020	0.000	0.000	0.000	OK
40.000	15 min Summer	0	RWP205C	RE205A	0.000	0.000	0.000	0.000	OK
40.001	15 min Winter	8	RE205A	PS644	0.020	0.000	0.000	0.000	OK
41.000	15 min Winter	8	RWP205G	PS644	0.037	0.819	2.177	0.246	OK
38.002	15 min Winter	9	PS644	PS133	0.041	0.714	2.130	0.349	OK
42.000	15 min Winter	8	RWP204B	PS133	0.037	1.202	3.168	0.291	OK
43.000	15 min Winter	31	DF205	PS133	0.025	0.538	0.418	0.014	OK
38.003	15 min Winter	8	PS133	S10	0.050	1.014	5.248	0.243	OK
38.004	15 min Winter	9	S10	S11	0.300	0.667	34.491	0.478	Surcharged
44.000	15 min Summer	0	RWP207A	RE207A	0.000	0.000	0.000	0.000	OK
44.001	15 min Winter	8	RE207A	PS635	0.020	0.000	0.000	0.000	OK
45.000	15 min Summer	0	RE207C	PS809	0.000	0.000	0.000	0.000	OK
46.000	15 min Summer	0	ACO207	PS809	0.000	0.000	0.000	0.000	OK
45.001	15 min Winter	8	PS809	PS635	0.020	0.000	0.000	0.000	OK
47.000	15 min Winter	8	RWP207C	PS635	0.035	0.899	2.181	0.180	OK
44.002	15 min Winter	9	PS635	PS137	0.041	0.707	2.130	0.353	OK
48.000	15 min Summer	0	RE207B	PS137	0.000	0.000	0.000	0.000	OK
49.000	120 min Summer	85	DF207	PS137	0.018	0.627	0.630	0.012	OK
50.000	15 min Summer	0	RWP206B	PS137	0.000	0.000	0.000	0.000	OK
44.003	15 min Winter	9	PS137	S11	0.033	0.757	2.147	0.105	OK
51.000	15 min Winter	8	RE206C	PS807	0.036	0.849	2.174	0.301	OK
52.000	15 min Winter	8	ACO206	PS807	0.017	0.000	0.000	0.000	OK
51.001	15 min Winter	8	PS807	PS639	0.037	0.808	2.150	0.255	OK
53.000	15 min Summer	0	RWP206E	RE206A	0.000	0.000	0.000	0.000	OK
53.001	15 min Winter	9	RE206A	PS639	0.020	0.000	0.000	0.000	OK
54.000	15 min Summer	0	RWP206C	RE206B	0.000	0.000	0.000	0.000	OK
54.001	15 min Winter	9	RE206B	PS639	0.020	0.000	0.000	0.000	OK
51.002	15 min Winter	9	PS639	PS135	0.040	0.725	2.150	0.346	OK
55.000	120 min Winter	86	DF206	PS135	0.017	0.655	0.629	0.018	OK
56.000	15 min Summer	0	RWP205A	PS135	0.000	0.000	0.000	0.000	OK
51.003	15 min Winter	9	PS135	S11	0.028	0.961	2.163	0.075	OK
38.005	15 min Winter	9	S11	S12	0.300	0.976	69.001	1.141	Surcharged
57.000	15 min Summer	0	RE208B	PS813	0.000	0.000	0.000	0.000	OK
57.001	240 min Winter	225	PS813	PS139	0.050	0.000	0.000	0.000	OK
58.000	15 min Winter	9	RWP208A	RE208A	0.027	0.009	0.014	0.001	OK
58.001	15 min Winter	8	RE208A	PS630	0.038	0.788	2.128	0.770	OK
59.000	15 min Winter	9	RWP208C	PS630	0.011	0.000	0.000	0.000	OK
60.000	15 min Winter	9	ACO208	PS630	0.011	0.000	0.000	0.000	OK
58.002	15 min Winter	9	PS630	PS631	0.027	1.263	2.125	0.114	OK
61.000	15 min Winter	9	RWP208B	PS631	0.015	0.000	0.000	0.000	OK
62.000	15 min Winter	9	RWP208I	PS631	0.015	0.000	0.000	0.000	OK
58.003	480 min Winter	347	PS631	PS139	0.053	0.548	0.239	0.023	OK
63.000	360 min Winter	280	DF208	PS139	0.079	0.547	0.488	0.008	OK
64.000	240 min Winter	225	RWP209B	PS139	0.050	0.000	0.000	0.000	OK
57.002	480 min Summer	381	PS139	S12	0.150	0.539	1.277	0.067	Surcharged
65.000	15 min Summer	0	RE209B	PS208	0.000	0.000	0.000	0.000	OK
66.000	15 min Summer	0	RWP209D	PS208	0.000	0.000	0.000	0.000	OK
67.000	15 min Summer	0	ACO209	PS208	0.000	0.000	0.000	0.000	OK
68.000	15 min Summer	0	RWP209C	PS208	0.000	0.000	0.000	0.000	OK
65.001	15 min Summer	0	PS208	PS141	0.000	0.000	0.000	0.000	OK

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
69.000	60 min Winter	61	DF209	PS141	0.017	0.596	0.633	0.019	OK
70.000	15 min Summer	0	RWP209A	PS141	0.000	0.000	0.000	0.000	OK
65.002	720 min Winter	698	PS141	S12	0.046	0.410	0.339	0.018	OK
38.006	15 min Winter	10	S12	S13	0.300	1.125	79.509	1.183	Surcharged
38.007	15 min Winter	10	S13	S4	0.300	1.118	79.011	1.133	Surcharged
1.009	15 min Winter	11	S4	S5	0.300	3.150	222.661	3.165	Surcharged
1.010	60 min Winter	56	S5	S6	0.600	1.520	174.856	0.443	Surcharged
1.011	15 min Winter	10	S6	S99	0.300	0.544	16.052	0.211	Surcharged
1.012	1440 min Summer	3749	S99	S7	0.039	0.610	2.771	0.066	OK

Return Period Yrs: 100.0

Climate Change %: 45

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
RE218A	15 min Winter	11	5.273	0.023	0.671		OK
PS785	15 min Winter	11	5.273	0.123	0.706		Surcharged
RWP219C	-	0	5.275	0.000	0.000		OK
PS784	15 min Winter	11	5.270	0.225	0.336		Surcharged
RWP218A	-	0	5.450	0.000	0.000		OK
DF218	15 min Winter	11	5.268	0.068	0.001		OK
PS92	15 min Winter	11	5.268	0.323	0.567		Surcharged
RE240B	-	0	5.425	0.000	0.000		OK
RWP241B	-	0	5.450	0.000	0.000		OK
PS797	-	0	5.300	0.000	0.000		OK
RWP240A	15 min Winter	9	5.452	0.002	0.000		OK
RE240A	15 min Winter	8	5.452	0.052	5.038		OK
RWP241A	-	0	5.475	0.000	0.000		OK
GY240	-	0	5.350	0.000	0.000		OK
PS795	15 min Winter	11	5.266	0.586	3.131		Surcharged
S8	15 min Winter	11	5.264	0.899	57.293		Surcharged
RWP216B	15 min Winter	13	5.159	0.009	0.000		OK
RE216A	15 min Winter	12	5.163	0.063	0.763		OK
RWP214B	15 min Winter	12	5.161	0.161	0.481		Surcharged
PS789	15 min Winter	12	5.162	0.312	1.681		Surcharged
RWP215A	15 min Winter	12	5.161	0.011	0.000		OK
PS790	15 min Winter	12	5.164	0.464	1.618		Surcharged
DF214	15 min Winter	11	5.172	0.247	0.373		Surcharged
RWP214A	15 min Winter	11	5.172	0.247	0.499		Surcharged
PS96	15 min Winter	11	5.172	0.572	5.364		Surcharged
RWP245B	-	0	5.200	0.000	0.000		OK
RE245	15 min Winter	12	5.182	0.082	0.000		OK
PS617	15 min Winter	12	5.178	0.178	0.419		Surcharged
PS618	15 min Winter	11	5.168	0.568	2.402		Surcharged
DF245	15 min Winter	11	5.176	0.351	0.001		Surcharged
PS145	15 min Winter	11	5.175	0.700	2.450		Surcharged
S9	15 min Winter	11	5.174	1.098	77.042		Surcharged
RE259A	15 min Winter	11	5.055	0.130	1.024		Surcharged
DF261	15 min Winter	11	5.054	0.313	0.738		Surcharged
PS78	15 min Winter	11	5.050	0.500	2.355		Surcharged
RE264A	-	0	5.300	0.000	0.000		OK
DF263	15 min Winter	11	5.043	0.118	0.366		OK
PS75	15 min Winter	11	5.043	0.393	0.585		Surcharged
PS76	15 min Winter	11	5.043	0.843	3.086		Surcharged
S1	15 min Winter	10	5.135	0.840	34.205		Surcharged
S2	15 min Winter	11	5.038	1.185	148.956		Surcharged
RE261A	-	0	4.800	0.000	0.000		OK
ACO259	-	0	4.795	0.000	0.000		OK
PS547	-	0	4.600	0.000	0.000		OK
DF258	120 min Winter	97	4.588	0.013	0.735		OK
PS80	30 min Summer	19	4.273	0.348	0.044		Surcharged
RE258A	-	0	4.350	0.000	0.000		OK
PS81	30 min Summer	19	4.273	0.448	0.084		Surcharged
RE211B	-	0	4.375	0.000	0.000		OK
ACO211	-	0	4.370	0.000	0.000		OK
PS821	15 min Winter	11	4.334	0.034	0.056		OK
PS822	15 min Winter	11	4.334	0.084	4.031		OK
PS168	15 min Winter	11	4.299	0.149	3.719		OK
PS169	30 min Summer	19	4.299	0.249	7.142		Surcharged
RWP210D	-	0	4.300	0.000	0.000		OK
RE210A	30 min Summer	20	4.287	0.037	0.000		OK
RWP210F	-	0	4.300	0.000	0.000		OK
RE210C	15 min Winter	13	4.286	0.011	0.000		OK
ACO210	30 min Summer	20	4.285	0.065	0.176		OK
PS819	30 min Summer	20	4.285	0.155	0.692		Surcharged
PS815	30 min Summer	20	4.285	0.285	0.757		Surcharged
RE210B	15 min Winter	11	4.316	0.216	4.031		Surcharged
DF210	15 min Winter	12	4.285	0.185	0.001		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
PS167	30 min Summer	19	4.283	0.483	11.324		Surcharged
RE256A	-	0	4.350	0.000	0.000		OK
PS556	30 min Summer	19	4.280	0.080	0.081		OK
RE257A	-	0	4.400	0.000	0.000		OK
ACO257	-	0	4.370	0.000	0.000		OK
DF257	120 min Winter	99	4.362	0.012	0.854		OK
PS557	30 min Summer	19	4.275	0.100	0.437		OK
PS83	30 min Summer	19	4.273	0.263	0.882		Surcharged
S134	30 min Summer	19	4.270	0.913	152.499		Surcharged
S3	960 min Winter	930	4.221	0.996	1.786		Surcharged
RE205B	-	0	4.835	0.000	0.000		OK
ACO205	-	0	4.820	0.000	0.000		OK
PS805	-	0	4.750	0.000	0.000		OK
RWP205C	-	0	4.850	0.000	0.000		OK
RE205A	-	0	4.800	0.000	0.000		OK
RWP205G	15 min Winter	8	4.839	0.039	2.851		OK
PS644	15 min Winter	8	4.747	0.047	2.825		OK
RWP204B	15 min Winter	8	4.843	0.043	4.140		OK
DF205	120 min Winter	97	4.716	0.016	0.766		OK
PS133	15 min Winter	8	4.578	0.058	6.870		OK
S10	15 min Winter	10	4.336	0.811	40.252		Surcharged
RWP207A	-	0	4.600	0.000	0.000		OK
RE207A	-	0	4.550	0.000	0.000		OK
RE207C	-	0	4.625	0.000	0.000		OK
ACO207	-	0	4.595	0.000	0.000		OK
PS809	-	0	4.500	0.000	0.000		OK
RWP207C	15 min Winter	8	4.633	0.033	2.851		OK
PS635	15 min Winter	8	4.447	0.047	2.830		OK
RE207B	-	0	4.600	0.000	0.000		OK
DF207	120 min Winter	97	4.488	0.013	0.769		OK
RWP206B	-	0	4.650	0.000	0.000		OK
PS137	15 min Winter	10	4.302	0.077	2.445		OK
RE206C	15 min Winter	8	4.794	0.044	2.851		OK
ACO206	-	0	4.745	0.000	0.000		OK
PS807	15 min Winter	8	4.690	0.040	2.821		OK
RWP206E	-	0	4.750	0.000	0.000		OK
RE206A	-	0	4.700	0.000	0.000		OK
RWP206C	-	0	4.700	0.000	0.000		OK
RE206B	-	0	4.650	0.000	0.000		OK
PS639	15 min Winter	9	4.647	0.047	2.735		OK
DF206	120 min Winter	97	4.665	0.015	0.770		OK
RWP205A	-	0	4.800	0.000	0.000		OK
PS135	15 min Winter	9	4.457	0.032	2.784		OK
S11	15 min Winter	10	4.308	0.883	84.629		Surcharged
RE208B	-	0	4.625	0.000	0.000		OK
PS813	-	0	4.515	0.000	0.000		OK
RWP208A	15 min Winter	8	4.510	0.010	0.048		OK
RE208A	15 min Winter	8	4.510	0.060	2.851		OK
RWP208C	-	0	4.550	0.000	0.000		OK
ACO208	-	0	4.520	0.000	0.000		OK
PS630	15 min Winter	9	4.461	0.026	2.745		OK
RWP208B	-	0	4.550	0.000	0.000		OK
RWP208I	-	0	4.550	0.000	0.000		OK
PS631	15 min Winter	9	4.235	0.035	2.759		OK
DF208	120 min Winter	97	4.312	0.012	0.766		OK
RWP209B	-	0	4.400	0.000	0.000		OK
PS139	960 min Winter	933	4.221	0.421	0.050		Surcharged
RE209B	-	0	4.425	0.000	0.000		OK
RWP209D	-	0	4.450	0.000	0.000		OK
ACO209	-	0	4.370	0.000	0.000		OK
RWP209C	-	0	4.400	0.000	0.000		OK
PS208	-	0	4.245	0.000	0.000		OK
DF209	960 min Winter	929	4.221	0.021	0.046		OK
RWP209A	-	0	4.400	0.000	0.000		OK
PS141	960 min Winter	928	4.221	0.196	0.043		Surcharged
S12	960 min Winter	931	4.221	0.931	0.813		Surcharged
S13	960 min Winter	928	4.221	1.021	0.888		Surcharged
S4	960 min Winter	928	4.221	1.046	2.735		Flood Risk

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S5	960 min Winter	929	4.221	1.071	3.003		Flood Risk
S6	960 min Winter	931	4.221	1.221	2.838		Flood Risk
S99	960 min Winter	931	4.221	1.246	2.879		Flood Risk
S7	960 min Winter	931	2.989	0.039	2.879		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	12	RE218A	PS785	0.061	0.113	0.292	0.048	OK
1.001	15 min Winter	12	PS785	PS784	0.100	0.218	1.700	0.295	Surcharged
2.000	15 min Winter	10	RWP219C	PS784	0.050	0.000	0.000	0.000	OK
1.002	30 min Summer	20	PS784	PS92	0.100	0.396	2.674	0.407	Surcharged
3.000	15 min Winter	9	RWP218A	PS92	0.050	0.000	0.000	0.000	OK
4.000	15 min Winter	12	DF218	PS92	0.109	0.921	1.497	0.025	OK
1.003	30 min Summer	20	PS92	S8	0.150	0.871	4.351	0.103	Surcharged
5.000	15 min Summer	0	RE240B	PS797	0.000	0.000	0.000	0.000	OK
6.000	15 min Summer	0	RWP241B	PS797	0.000	0.000	0.000	0.000	OK
5.001	15 min Summer	8	PS797	PS795	0.050	0.000	0.000	0.000	OK
7.000	15 min Winter	9	RWP240A	RE240A	0.027	0.008	0.008	0.001	OK
7.001	15 min Winter	8	RE240A	PS795	0.052	1.201	4.957	0.535	OK
8.000	15 min Winter	11	RWP241A	PS795	0.018	0.000	0.000	0.000	OK
9.000	15 min Summer	8	GY240	PS795	0.075	0.000	0.000	0.000	OK
5.002	30 min Winter	16	PS795	S8	0.150	1.126	4.568	0.152	Surcharged
1.004	15 min Winter	7	S8	S9	0.300	1.247	71.116	0.717	Surcharged
10.000	15 min Winter	13	RWP216B	RE216A	0.034	0.159	0.234	0.015	OK
10.001	15 min Winter	13	RE216A	PS789	0.081	0.224	1.453	0.146	OK
11.000	30 min Summer	22	RWP214B	PS789	0.100	0.312	1.775	0.172	Surcharged
10.002	15 min Winter	15	PS789	PS790	0.100	0.564	4.433	0.623	Surcharged
12.000	15 min Winter	12	RWP215A	PS790	0.056	0.199	0.892	0.020	OK
10.003	15 min Winter	15	PS790	PS96	0.100	1.035	8.128	1.204	Surcharged
13.000	30 min Summer	22	DF214	PS96	0.150	0.892	2.195	0.041	Surcharged
14.000	30 min Summer	22	RWP214A	PS96	0.100	0.416	2.526	0.122	Surcharged
10.004	15 min Winter	14	PS96	S9	0.150	0.746	12.623	0.343	Surcharged
15.000	15 min Winter	12	RWP245B	RE245	0.041	0.000	0.000	0.000	OK
15.001	15 min Winter	13	RE245	PS617	0.091	0.215	1.190	0.148	OK
15.002	30 min Summer	21	PS617	PS618	0.100	0.269	1.987	0.186	Surcharged
15.003	15 min Winter	14	PS618	PS145	0.100	0.623	4.891	0.682	Surcharged
16.000	15 min Winter	14	DF245	PS145	0.150	0.801	2.702	0.070	Surcharged
15.004	15 min Winter	14	PS145	S9	0.150	0.845	10.308	0.234	Surcharged
1.005	15 min Winter	14	S9	S2	0.300	1.112	75.587	0.866	Surcharged
17.000	30 min Summer	20	RE259A	PS78	0.100	0.156	1.077	0.118	Surcharged
18.000	15 min Winter	14	DF261	PS78	0.150	0.642	2.482	0.085	Surcharged
17.001	15 min Winter	14	PS78	PS76	0.150	0.471	5.211	0.169	Surcharged
19.000	15 min Summer	10	RE264A	PS75	0.050	0.000	0.000	0.000	OK
20.000	15 min Winter	13	DF263	PS75	0.134	0.802	1.795	0.050	OK
19.001	15 min Winter	15	PS75	PS76	0.150	0.539	4.597	0.089	Surcharged
17.002	15 min Winter	15	PS76	S2	0.150	0.723	11.594	0.441	Surcharged
21.000	15 min Winter	9	S1	S2	0.225	1.068	34.847	0.600	OK
1.006	15 min Winter	10	S2	S134	0.300	2.111	149.184	1.297	Surcharged
22.000	15 min Summer	0	RE261A	PS547	0.000	0.000	0.000	0.000	OK
23.000	15 min Summer	0	ACO259	PS547	0.000	0.000	0.000	0.000	OK
22.001	15 min Summer	9	PS547	PS80	0.050	0.000	0.000	0.000	OK
24.000	240 min Winter	194	DF258	PS80	0.081	0.661	0.646	0.015	OK
22.002	15 min Winter	16	PS80	PS81	0.150	0.532	2.256	0.115	Surcharged
25.000	15 min Summer	8	RE258A	PS81	0.050	0.000	0.000	0.000	OK
22.003	15 min Winter	17	PS81	S134	0.150	0.351	5.848	0.205	Surcharged
26.000	15 min Winter	11	RE211B	PS821	0.017	0.000	0.000	0.000	OK
27.000	15 min Winter	11	ACO211	PS821	0.017	0.000	0.000	0.000	OK
26.001	15 min Winter	12	PS821	PS822	0.059	0.088	0.356	0.041	OK
26.002	15 min Winter	11	PS822	PS169	0.092	0.993	6.571	0.965	OK
28.000	15 min Winter	11	PS168	PS169	0.150	0.958	6.147	0.185	OK
26.003	15 min Winter	9	PS169	PS167	0.150	1.252	11.878	0.459	Surcharged
29.000	30 min Summer	20	RWP210D	RE210A	0.019	0.000	0.000	0.000	OK
29.001	30 min Summer	21	RE210A	PS815	0.069	0.043	0.228	0.023	OK
30.000	15 min Winter	13	RWP210F	RE210C	0.006	0.000	0.000	0.000	OK

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
30.001	15 min Winter	13	RE210C	PS819	0.056	0.103	0.227	0.027	OK
31.000	30 min Summer	22	ACO210	PS819	0.083	0.152	0.850	0.074	OK
30.002	30 min Summer	22	PS819	PS815	0.100	0.280	1.480	0.099	Surcharged
29.002	15 min Winter	15	PS815	PS167	0.100	0.411	3.150	0.490	Surcharged
32.000	15 min Winter	9	RE210B	PS167	0.100	1.258	6.200	0.632	Surcharged
33.000	30 min Winter	25	DF210	PS167	0.150	0.678	1.686	0.033	Surcharged
26.004	30 min Summer	15	PS167	S134	0.150	1.575	13.352	0.339	Surcharged
34.000	30 min Summer	19	RE256A	PS556	0.040	0.000	0.000	0.000	OK
34.001	30 min Summer	21	PS556	PS83	0.090	0.179	0.467	0.074	OK
35.000	30 min Summer	19	RE257A	PS557	0.025	0.000	0.000	0.000	OK
36.000	30 min Summer	19	ACO257	PS557	0.025	0.000	0.000	0.000	OK
37.000	30 min Summer	52	DF257	PS557	0.051	0.728	0.685	0.011	OK
35.001	30 min Summer	22	PS557	PS83	0.125	0.642	0.859	0.041	OK
34.002	15 min Winter	14	PS83	S134	0.150	0.253	3.243	0.082	Surcharged
1.007	15 min Winter	13	S134	S3	0.300	2.222	157.090	1.286	Surcharged
1.008	15 min Winter	13	S3	S4	0.300	2.304	162.869	2.250	Surcharged
38.000	15 min Summer	0	RE205B	PS805	0.000	0.000	0.000	0.000	OK
39.000	15 min Summer	0	ACO205	PS805	0.000	0.000	0.000	0.000	OK
38.001	15 min Winter	8	PS805	PS644	0.024	0.000	0.000	0.000	OK
40.000	15 min Summer	0	RWP205C	RE205A	0.000	0.000	0.000	0.000	OK
40.001	15 min Winter	8	RE205A	PS644	0.024	0.000	0.000	0.000	OK
41.000	15 min Winter	8	RWP205G	PS644	0.043	0.878	2.825	0.319	OK
38.002	15 min Winter	8	PS644	PS133	0.047	0.764	2.760	0.452	OK
42.000	15 min Winter	8	RWP204B	PS133	0.043	1.289	4.110	0.378	OK
43.000	60 min Summer	72	DF205	PS133	0.029	0.634	0.721	0.024	OK
38.003	15 min Winter	8	PS133	S10	0.058	1.090	6.817	0.315	OK
38.004	15 min Winter	9	S10	S11	0.300	0.675	43.794	0.607	Surcharged
44.000	15 min Summer	0	RWP207A	RE207A	0.000	0.000	0.000	0.000	OK
44.001	15 min Winter	8	RE207A	PS635	0.024	0.000	0.000	0.000	OK
45.000	15 min Summer	0	RE207C	PS809	0.000	0.000	0.000	0.000	OK
46.000	15 min Summer	0	ACO207	PS809	0.000	0.000	0.000	0.000	OK
45.001	15 min Winter	8	PS809	PS635	0.024	0.000	0.000	0.000	OK
47.000	15 min Winter	8	RWP207C	PS635	0.040	0.962	2.830	0.233	OK
44.002	15 min Winter	9	PS635	PS137	0.047	0.757	2.758	0.457	OK
48.000	15 min Winter	10	RE207B	PS137	0.013	0.000	0.000	0.000	OK
49.000	15 min Winter	39	DF207	PS137	0.038	0.657	0.526	0.010	OK
50.000	15 min Winter	10	RWP206B	PS137	0.013	0.000	0.000	0.000	OK
44.003	15 min Winter	10	PS137	S11	0.113	0.809	2.974	0.146	OK
51.000	15 min Winter	8	RE206C	PS807	0.042	0.908	2.821	0.391	OK
52.000	15 min Winter	8	ACO206	PS807	0.020	0.000	0.000	0.000	OK
51.001	15 min Winter	8	PS807	PS639	0.043	0.862	2.792	0.331	OK
53.000	15 min Summer	0	RWP206E	RE206A	0.000	0.000	0.000	0.000	OK
53.001	15 min Winter	9	RE206A	PS639	0.023	0.000	0.000	0.000	OK
54.000	15 min Summer	0	RWP206C	RE206B	0.000	0.000	0.000	0.000	OK
54.001	15 min Winter	9	RE206B	PS639	0.023	0.000	0.000	0.000	OK
51.002	15 min Winter	9	PS639	PS135	0.047	0.777	2.783	0.447	OK
55.000	60 min Summer	72	DF206	PS135	0.018	0.743	0.724	0.020	OK
56.000	15 min Summer	0	RWP205A	PS135	0.000	0.000	0.000	0.000	OK
51.003	15 min Winter	9	PS135	S11	0.091	0.977	2.797	0.098	OK
38.005	15 min Winter	9	S11	S12	0.300	1.232	87.076	1.440	Surcharged
57.000	15 min Summer	0	RE208B	PS813	0.000	0.000	0.000	0.000	OK
57.001	15 min Summer	10	PS813	PS139	0.050	0.000	0.000	0.000	OK
58.000	15 min Winter	10	RWP208A	RE208A	0.035	0.016	0.033	0.002	OK
58.001	15 min Winter	8	RE208A	PS630	0.043	0.859	2.757	0.998	OK
59.000	15 min Winter	9	RWP208C	PS630	0.013	0.000	0.000	0.000	OK
60.000	15 min Winter	9	ACO208	PS630	0.013	0.000	0.000	0.000	OK
58.002	15 min Winter	9	PS630	PS631	0.031	1.359	2.759	0.148	OK
61.000	15 min Winter	9	RWP208B	PS631	0.018	0.000	0.000	0.000	OK
62.000	15 min Winter	9	RWP208I	PS631	0.018	0.000	0.000	0.000	OK
58.003	15 min Winter	9	PS631	PS139	0.068	1.065	2.773	0.267	OK
63.000	120 min Winter	97	DF208	PS139	0.081	0.422	0.766	0.013	OK
64.000	15 min Summer	10	RWP209B	PS139	0.050	0.000	0.000	0.000	OK
57.002	15 min Winter	13	PS139	S12	0.150	0.675	4.862	0.254	Surcharged
65.000	15 min Summer	0	RE209B	PS208	0.000	0.000	0.000	0.000	OK
66.000	15 min Summer	0	RWP209D	PS208	0.000	0.000	0.000	0.000	OK
67.000	15 min Summer	0	ACO209	PS208	0.000	0.000	0.000	0.000	OK
68.000	15 min Summer	0	RWP209C	PS208	0.000	0.000	0.000	0.000	OK
65.001	480 min Winter	422	PS208	PS141	0.050	0.000	0.000	0.000	OK

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
69.000	960 min Winter	929	DF209	PS141	0.086	0.501	0.353	0.010	OK
70.000	480 min Winter	422	RWP209A	PS141	0.050	0.000	0.000	0.000	OK
65.002	600 min Summer	592	PS141	S12	0.150	0.477	0.562	0.030	Surcharged
38.006	15 min Winter	10	S12	S13	0.300	1.396	98.707	1.469	Surcharged
38.007	15 min Winter	10	S13	S4	0.300	1.374	97.116	1.392	Surcharged
1.009	15 min Winter	11	S4	S5	0.300	3.617	255.703	3.635	Surcharged
1.010	30 min Winter	28	S5	S6	0.600	1.923	279.866	0.709	Surcharged
1.011	15 min Winter	9	S6	S99	0.300	0.494	15.565	0.204	Surcharged
1.012	960 min Winter	931	S99	S7	0.039	0.617	2.879	0.068	OK