

Network Details

Manhole Schedule

Manhole	Catchment Area (ha)	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
RWP337B	0.000	0.180	Type E	6.155	5.600	0.455	488844.585	98011.183
RE337A	0.011	0.180	Type E	6.126	5.550	0.476	488845.238	98010.325
RWP335D	0.000	0.180	Type E	6.150	5.600	0.450	488827.981	98003.720
PS227	0.000	0.250	250	6.115	5.425	0.590	488834.469	98005.536
RE334A	0.011	0.180	Type E	6.131	5.600	0.431	488822.155	98000.485
RWP334A	0.000	0.180	Type E	6.156	5.600	0.456	488819.025	98009.972
PS222	0.000	0.450	450	6.174	5.450	0.624	488817.550	98010.698
PS223	0.000	0.450	Type E	6.195	5.300	0.795	488829.675	98016.144
RWP337A	0.000	0.180	Type E	6.193	5.600	0.493	488840.783	98019.676
RE337B	0.000	0.180	Type E	6.254	5.550	0.604	488840.168	98020.945
PS224	0.000	0.450	450	6.275	5.250	0.925	488834.055	98018.201
S104	0.022	1.350	Unknown	6.177	5.425	0.602	488828.152	98024.425
S80	0.000	1.350	Type C	5.968	4.475	1.268	488829.449	98028.854
S81	0.014	1.350	Type C	5.838	4.415	1.198	488839.135	98032.876
S107	0.005	1.350	Unknown	6.044	5.300	0.594	488847.679	98024.132
S105	0.004	1.350	Unknown	5.971	5.221	0.600	488858.804	98020.597
S106	0.039	1.350	Type C	5.684	4.309	1.150	488860.519	98026.652
S108	0.005	1.350	Unknown	5.799	5.050	0.599	488891.377	98011.425
S82	0.000	1.350	Type C	5.555	4.118	1.212	488901.714	98014.568
S83	0.000	1.350	Type C	5.648	4.000	1.423	488907.709	98001.792
S153	0.050	0.000	Type C	4.950	3.950	0.625	488913.257	98032.686
S154	0.000	1.350	Type C	5.072	3.930	0.767	488911.941	98028.766
S165	0.000	1.350	Type C	5.128	3.890	0.863	488918.905	98017.622
S152	0.000	1.350	Type C	5.543	3.840	1.403	488913.945	98000.039
S150	0.000	1.350	Type C	5.344	3.725	1.244	488903.692	97962.274
RWP338B	0.000	0.180	Type E	5.999	5.450	0.449	488856.014	98004.451
RE338A	0.019	0.180	Type E	5.986	5.400	0.486	488855.820	98003.415
DF341	0.003	0.180	Type E	5.904	5.250	0.504	488875.360	97997.476
PS336	0.000	0.450	450	5.963	5.100	0.713	488873.716	97998.096
DF338	0.010	0.180	Type E	6.012	5.360	0.502	488854.780	98005.829
PS31	0.000	0.450	450	6.131	5.175	0.806	488857.494	98014.907
PS32	0.006	0.450	450	6.087	4.950	0.987	488878.567	98008.755
RWP342B	0.000	0.180	Type E	5.859	5.300	0.459	488899.791	98001.589
PS33	0.000	0.450	450	5.934	4.700	1.084	488900.795	98002.193
S130	0.000	1.350	Type C	5.695	4.125	1.345	488905.777	97996.977
RWP343A	0.000	0.180	Type E	5.850	5.300	0.450	488889.265	97998.611
RE343B	0.010	0.180	Type E	5.845	5.275	0.470	488888.139	97998.445
PS232	0.000	0.450	450	5.869	5.150	0.619	488885.371	97987.880
RE343A	0.000	0.180	Type E	5.964	5.300	0.564	488899.697	97995.686
RWP344D	0.000	0.180	Type E	5.868	5.300	0.468	488895.615	97986.088
PS233	0.000	0.450	450	5.971	5.000	0.871	488896.703	97985.072
DF344	0.007	0.180	Type E	5.841	5.250	0.491	488885.119	97985.925
RE345A	0.000	0.180	Type E	5.948	5.250	0.598	488893.945	97975.440
PS29	0.000	0.450	450	5.937	4.850	0.937	488895.785	97982.466
S129	0.067	1.350	Type C	5.711	4.050	1.436	488901.469	97980.888
RE345B	0.014	0.180	Type E	5.814	5.250	0.464	488882.222	97983.287
PS243	0.000	0.450	450	5.809	5.100	0.609	488878.738	97970.766
DF347	0.010	0.180	Type E	5.641	4.975	0.516	488878.391	97965.277
PS240	0.000	0.180	Type E	5.919	5.250	0.569	488893.173	97971.700
PS27	0.003	0.450	450	5.814	4.850	0.814	488890.104	97961.350
DF348	0.000	0.180	Type E	5.618	4.950	0.518	488877.194	97961.072
RE348A	0.000	0.180	Type E	5.768	5.075	0.593	488887.335	97951.981
RWP348B	0.000	0.180	Type E	5.665	5.075	0.490	488887.018	97957.342
PS25	0.000	0.450	450	5.772	4.850	0.772	488888.901	97957.937
S128	0.000	1.350	Type C	5.545	3.925	1.395	488894.893	97956.335
RE348B	0.014	0.180	Type E	5.611	5.075	0.436	488877.278	97959.829
PS238	0.000	0.180	Type E	5.651	4.900	0.651	488873.636	97946.356
PS239	0.000	0.450	450	5.628	4.700	0.828	488882.688	97943.907
RE349A	0.000	0.180	Type E	5.753	5.075	0.578	488886.029	97948.473
DF350	0.004	1.350	Type E	5.652	5.000	0.502	488878.927	97943.078
PS200	0.000	0.675	Type E	5.667	4.480	1.037	488884.262	97941.689
S109(D)	0.004	1.350	Unknown	5.480	4.725	0.605	488874.685	97928.883
S92	0.038	1.350	Type C	5.401	3.675	1.351	488889.693	97936.914
S93	0.000	1.350	Type C	5.290	3.625	1.290	488885.601	97921.821

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Manhole	Catchment Area (ha)	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
S86	0.000	1.350	Type C	4.900	3.600	0.925	488892.132	97920.086
S87	0.040	0.000	Type C	4.675	3.550	0.750	488888.319	97906.120
RWP301A	0.000	0.180	Type E	6.205	5.700	0.405	488775.724	98029.997
RE301A	0.000	0.180	Type E	6.207	5.675	0.432	488775.683	98030.780
PS363	0.011	0.250	250	6.123	5.570	0.453	488785.268	98035.014
RWP301C	0.000	0.180	Type E	6.200	5.650	0.450	488777.958	98024.839
RE302A	0.000	0.180	Type E	6.186	5.600	0.486	488777.470	98024.357
RWP302B	0.000	0.180	Type E	6.200	5.650	0.450	488780.105	98020.214
PS365	0.000	0.250	250	6.194	5.540	0.554	488779.786	98019.301
DF302	0.011	1.350	Type E	6.151	5.500	0.501	488786.683	98019.483
PS362	0.000	0.450	450	6.330	5.370	0.810	488791.289	98021.590
S69	0.054	1.350	Type C	6.258	4.700	1.333	488803.735	98025.590
S98	0.057	1.350	Type C	6.026	4.500	1.226	488817.737	97994.691
RE333B	0.000	0.180	Type E	5.683	5.150	0.433	488841.796	97994.495
PS273	0.000	0.450	450	5.655	4.700	0.855	488848.706	97979.256
RWP333B	0.000	0.180	Type E	5.699	5.150	0.449	488834.359	97991.524
RE333A	0.000	0.180	Type E	5.765	5.100	0.565	488829.558	97990.015
DF330	0.010	1.350	Type E	5.594	4.925	0.519	488844.510	97973.387
DF331	0.005	1.350	Type E	5.746	5.100	0.496	488833.789	97976.239
PS274	0.000	0.450	450	5.719	4.480	1.089	488836.797	97973.920
S70	0.068	1.350	Type C	5.738	4.180	1.183	488830.547	97966.615
RE309B	0.000	0.180	Type E	5.912	5.350	0.462	488807.208	97961.975
RWP312B	0.000	0.180	Type E	5.926	5.375	0.451	488815.258	97946.010
PS260	0.000	0.450	Type E	5.911	5.155	0.656	488814.902	97944.611
RE309A	0.000	0.180	Type E	6.049	5.350	0.599	488818.135	97966.574
RWP312A	0.000	0.180	Type E	6.017	5.375	0.542	488823.828	97949.710
PS261	0.000	0.450	Type E	6.006	4.985	0.871	488825.799	97949.438
PS206	0.004	1.350	Type E	5.594	4.950	0.494	488841.115	97961.533
S117	0.018	1.350	Type C	5.647	4.080	1.192	488836.108	97954.004
RE330B	0.010	0.180	Type E	5.459	4.870	0.489	488850.942	97971.422
PS20	0.000	0.450	450	5.470	4.675	0.695	488858.894	97954.250
RWP330A	0.000	0.180	Type E	5.625	4.925	0.600	488842.564	97965.168
RE330A	0.011	0.180	Type E	5.615	4.900	0.615	488841.076	97964.545
S115	0.004	1.350	Type E	5.596	4.900	0.546	488843.773	97951.867
PS23	0.000	0.450	450	5.634	4.500	0.984	488847.905	97949.340
RWP325C	0.000	0.180	Type E	5.474	4.925	0.449	488857.092	97941.689
ACO325	0.000	0.180	Type E	5.445	4.895	0.450	488858.800	97942.129
RE325A	0.000	0.180	Type E	5.458	4.870	0.488	488858.154	97941.672
PS16	0.000	0.450	450	5.516	4.800	0.616	488855.600	97947.083
RWP325B	0.000	0.180	Type E	5.626	4.925	0.601	488848.519	97937.996
RE325B	0.014	0.180	Type E	5.627	4.850	0.677	488847.814	97937.107
DF326	0.007	1.350	Type E	5.568	4.850	0.568	488849.875	97946.765
PS10	0.000	0.450	450	5.582	4.400	1.032	488845.305	97942.741
S114	0.018	1.350	Type C	5.552	3.985	1.192	488841.902	97941.144
YG313	0.019	0.180	Type E	5.792	5.150	0.492	488816.337	97940.778
YG316	0.000	0.180	Type E	5.681	5.080	0.451	488824.885	97921.096
PS257	0.005	0.450	450	5.655	4.780	0.725	488825.637	97920.659
RE313A	0.000	0.180	Type E	5.896	5.300	0.496	488828.175	97944.387
RE318B	0.000	0.180	Type E	5.650	5.025	0.525	488842.361	97913.226
PS258	0.000	0.450	450	5.803	4.695	0.958	488836.709	97925.403
RWP324A	0.000	0.180	Type E	5.474	4.925	0.449	488858.945	97937.570
RE324A	0.000	0.180	Type E	5.477	4.900	0.477	488859.679	97937.628
PS5	0.000	0.450	450	5.469	4.700	0.669	488861.790	97933.171
DF324	0.007	1.350	Type E	5.376	4.725	0.501	488863.021	97929.497
PS6	0.000	0.450	450	5.584	4.500	0.934	488851.626	97928.647
S71	0.072	1.350	Type C	5.447	3.890	1.182	488848.269	97927.014
RE319A	0.000	0.180	Type E	5.535	5.000	0.435	488836.718	97906.833
GY319	0.004	0.180	Type E	5.387	4.785	0.452	488839.698	97896.016
PS285	0.000	0.450	Type E	5.523	4.750	0.623	488841.619	97899.482
RE319B	0.006	0.180	Type E	5.627	4.900	0.627	488844.252	97911.493
RWP319D	0.000	0.180	Type E	5.563	5.000	0.463	488847.190	97904.027
PS286	0.006	0.450	450	5.557	4.650	0.757	488849.019	97904.226
RE320A	0.000	0.180	Type E	5.386	4.775	0.511	488842.916	97897.054
GY320	0.004	0.180	Type E	5.254	4.650	0.454	488846.045	97886.120
PS288	0.000	0.450	Type E	5.313	4.620	0.543	488847.746	97889.632
RWP320D	0.000	0.180	Type E	5.339	4.800	0.439	488853.383	97894.296
PS283	0.000	0.450	450	5.409	4.550	0.709	488855.322	97894.617
GY279	0.000	0.180	Type E	5.218	4.615	0.453	488856.115	97882.445

Manhole Schedule

Manhole	Catchment Area (ha)	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
S72	0.000	1.350	Type C	5.146	3.650	1.121	488866.406	97887.037
S164	0.000	0.000	Type C	4.675	3.600	0.700	488878.973	97887.524
S163	0.000	0.000	Type C	4.675	3.500	0.800	488882.512	97886.597
S161	0.000	1.350	Type C	4.675	3.450	1.000	488886.385	97885.076
S162	0.000	0.000	Type C	3.606	3.400	-0.019	488888.992	97883.385

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	RWP337B	5.600	RE337A	5.550	Circ	0.1mØ	1.078	21.6	0.600	0.455	0.476
1.001	RE337A	5.550	PS227	5.425	Circ	0.1mØ	11.786	94.3	0.600	0.476	0.590
2.000	RWP335D	5.600	PS227	5.425	Circ	0.1mØ	6.737	38.5	0.600	0.450	0.590
1.002	PS227	5.425	PS223	5.300	Circ	0.1mØ	11.641	93.1	0.600	0.590	0.795
3.000	RE334A	5.600	PS222	5.450	Circ	0.1mØ	11.204	74.7	0.600	0.431	0.624
4.000	RWP334A	5.600	PS222	5.450	Circ	0.1mØ	1.644	11.0	0.600	0.456	0.624
3.001	PS222	5.450	PS223	5.300	Circ	0.1mØ	13.292	88.6	0.600	0.624	0.795
1.003	PS223	5.300	PS224	5.250	Circ	0.1mØ	4.839	96.8	0.600	0.795	0.925
5.000	RWP337A	5.600	RE337B	5.550	Circ	0.1mØ	1.410	28.2	0.600	0.493	0.604
5.001	RE337B	5.550	PS224	5.250	Circ	0.1mØ	6.700	22.3	0.600	0.604	0.925
1.004	PS224	5.250	S80	4.600	Circ	0.1mØ	11.605	17.9	0.600	0.925	1.268
6.000	S104	5.425	S80	4.550	Circ	0.15mØ	4.615	5.3	0.600	0.602	1.268
1.005	S80	4.475	S81	4.415	Circ	0.225mØ	10.488	174.5	0.600	1.268	1.198
1.006	S81	4.415	S106	4.309	Circ	0.225mØ	22.271	209.1	0.600	1.198	1.150
7.000	S107	5.300	S106	4.389	Circ	0.15mØ	13.085	14.4	0.600	0.594	1.145
8.000	S105	5.221	S106	4.389	Circ	0.15mØ	6.293	7.6	0.600	0.600	1.145
1.007	S106	4.309	S82	4.118	Circ	0.225mØ	42.930	225.3	0.600	1.150	1.212
9.000	S108	5.050	S82	4.193	Circ	0.15mØ	10.804	12.6	0.600	0.599	1.212
1.008	S82	4.118	S83	4.000	Circ	0.225mØ	14.113	119.6	0.600	1.212	1.423
1.009	S83	4.000	S152	3.915	Circ	0.225mØ	6.478	76.2	0.600	1.423	1.403
10.000	S153	3.950	S154	3.930	Circ	0.375mØ	4.135	206.7	0.600	0.625	0.767
10.001	S154	3.930	S165	3.890	Circ	0.375mØ	13.141	328.5	0.600	0.767	0.863
10.002	S165	3.890	S152	3.840	Circ	0.375mØ	18.269	365.4	0.600	0.863	1.328
1.010	S152	3.840	S150	3.725	Circ	0.375mØ	39.132	340.3	0.600	1.328	1.244
1.011	S150	3.725	S86	3.600	Circ	0.375mØ	43.744	350.0	0.600	1.244	0.925
11.000	RWP338B	5.450	RE338A	5.400	Circ	0.1mØ	1.054	21.1	0.600	0.449	0.486
11.001	RE338A	5.400	PS336	5.150	Circ	0.1mØ	18.671	74.7	0.600	0.486	0.713
12.000	DF341	5.250	PS336	5.100	Circ	0.15mØ	1.757	11.7	0.600	0.504	0.713
11.002	PS336	5.100	PS32	4.950	Circ	0.15mØ	11.711	78.1	0.600	0.713	0.987
13.000	DF338	5.360	PS31	5.175	Circ	0.15mØ	9.475	51.2	0.600	0.502	0.806
13.001	PS31	5.175	PS32	4.950	Circ	0.15mØ	21.953	97.6	0.600	0.806	0.987
11.003	PS32	4.950	PS33	4.700	Circ	0.15mØ	23.177	92.7	0.600	0.987	1.084
14.000	RWP342B	5.300	PS33	4.750	Circ	0.1mØ	1.172	2.1	0.600	0.459	1.084
11.004	PS33	4.700	S130	4.200	Circ	0.15mØ	7.212	14.4	0.600	1.084	1.345
11.005	S130	4.125	S129	4.050	Circ	0.225mØ	16.656	222.1	0.600	1.345	1.436
15.000	RWP343A	5.300	RE343B	5.275	Circ	0.1mØ	1.138	45.5	0.600	0.450	0.470
15.001	RE343B	5.275	PS232	5.150	Circ	0.1mØ	10.922	87.4	0.600	0.470	0.619
15.002	PS232	5.150	PS233	5.000	Circ	0.1mØ	11.675	77.8	0.600	0.619	0.871
16.000	RE343A	5.300	PS233	5.000	Circ	0.1mØ	11.028	36.8	0.600	0.564	0.871
17.000	RWP344D	5.300	PS233	5.000	Circ	0.1mØ	1.488	5.0	0.600	0.468	0.871
15.003	PS233	5.000	PS29	4.900	Circ	0.1mØ	2.763	27.6	0.600	0.871	0.937
18.000	DF344	5.250	PS29	4.900	Circ	0.1mØ	11.213	32.0	0.600	0.491	0.937
19.000	RE345A	5.250	PS29	4.900	Circ	0.1mØ	7.263	20.8	0.600	0.598	0.937
15.004	PS29	4.850	S129	4.125	Circ	0.15mØ	5.899	8.1	0.600	0.937	1.436
11.006	S129	4.050	S128	3.925	Circ	0.225mØ	25.418	203.3	0.600	1.436	1.395
20.000	RE345B	5.250	PS243	5.100	Circ	0.1mØ	12.997	86.6	0.600	0.464	0.609
20.001	PS243	5.100	PS27	4.900	Circ	0.1mØ	14.759	73.8	0.600	0.609	0.814
21.000	DF347	4.975	PS27	4.850	Circ	0.15mØ	12.354	98.8	0.600	0.516	0.814
22.000	PS240	5.250	PS27	4.900	Circ	0.1mØ	10.795	30.8	0.600	0.569	0.814
20.002	PS27	4.850	S128	4.000	Circ	0.15mØ	6.934	8.2	0.600	0.814	1.395
23.000	DF348	4.950	PS25	4.850	Circ	0.15mØ	12.120	121.2	0.600	0.518	0.772
24.000	RE348A	5.075	PS25	4.900	Circ	0.1mØ	6.159	35.2	0.600	0.593	0.772
25.000	RWP348B	5.075	PS25	4.900	Circ	0.1mØ	1.975	11.3	0.600	0.490	0.772
23.001	PS25	4.850	S128	4.000	Circ	0.15mØ	6.202	7.3	0.600	0.772	1.395
11.007	S128	3.925	S92	3.825	Circ	0.225mØ	20.105	201.1	0.600	1.395	1.351
26.000	RE348B	5.075	PS238	4.900	Circ	0.1mØ	13.956	79.7	0.600	0.436	0.651

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)
26.001	PS238	4.900	PS239	4.700	Circ	0.1mØ	9.377	46.9	0.600	0.651	0.828
26.002	PS239	4.700	PS200	4.530	Circ	0.1mØ	2.719	16.0	0.600	0.828	1.037
27.000	RE349A	5.075	PS200	4.530	Circ	0.1mØ	7.010	12.9	0.600	0.578	1.037
28.000	DF350	5.000	PS200	4.480	Circ	0.15mØ	5.513	10.6	0.600	0.502	1.037
26.003	PS200	4.480	S92	4.325	Circ	0.15mØ	7.231	46.8	0.600	1.037	0.926
29.000	S109(D)	4.725	S92	4.325	Circ	0.15mØ	17.022	42.6	0.600	0.605	0.926
11.008	S92	3.675	S93	3.625	Circ	0.375mØ	15.638	312.8	0.600	1.351	1.290
11.009	S93	3.625	S86	3.600	Circ	0.375mØ	6.758	270.3	0.600	1.290	0.925
1.012	S86	3.600	S87	3.550	Circ	0.375mØ	14.477	289.5	0.600	0.925	0.750
1.013	S87	3.550	S163	3.500	Circ	0.375mØ	20.368	407.4	0.600	0.750	0.800
30.000	RWP301A	5.700	RE301A	5.675	Circ	0.1mØ	0.784	31.4	0.600	0.405	0.432
30.001	RE301A	5.675	PS363	5.570	Circ	0.1mØ	10.478	99.8	0.600	0.432	0.453
30.002	PS363	5.570	PS362	5.420	Circ	0.1mØ	14.712	98.1	0.600	0.453	0.810
31.000	RWP301C	5.650	RE302A	5.600	Circ	0.1mØ	0.686	13.7	0.600	0.450	0.486
31.001	RE302A	5.600	PS365	5.540	Circ	0.1mØ	5.562	92.7	0.600	0.486	0.554
32.000	RWP302B	5.650	PS365	5.540	Circ	0.1mØ	0.967	8.8	0.600	0.450	0.554
31.002	PS365	5.540	PS362	5.420	Circ	0.1mØ	11.728	97.7	0.600	0.554	0.810
33.000	DF302	5.500	PS362	5.370	Circ	0.15mØ	5.065	39.0	0.600	0.501	0.810
30.003	PS362	5.370	S69	5.275	Circ	0.15mØ	13.074	137.6	0.600	0.810	0.833
30.004	S69	4.700	S98	4.575	Circ	0.225mØ	33.924	271.4	0.600	1.333	1.226
30.005	S98	4.500	S70	4.255	Circ	0.3mØ	30.860	126.0	0.600	1.226	1.183
34.000	RE333B	5.150	PS273	4.700	Circ	0.1mØ	16.732	37.2	0.600	0.433	0.855
34.001	PS273	4.700	PS274	4.530	Circ	0.1mØ	13.050	76.8	0.600	0.855	1.089
35.000	RWP333B	5.150	RE333A	5.100	Circ	0.1mØ	5.033	100.7	0.600	0.449	0.565
35.001	RE333A	5.100	PS274	4.530	Circ	0.1mØ	17.647	31.0	0.600	0.565	1.089
36.000	DF330	4.925	PS274	4.480	Circ	0.15mØ	7.731	17.4	0.600	0.519	1.089
37.000	DF331	5.100	PS274	4.480	Circ	0.15mØ	3.798	6.1	0.600	0.496	1.089
34.002	PS274	4.480	S70	4.405	Circ	0.15mØ	9.614	128.2	0.600	1.089	1.183
30.006	S70	4.180	S117	4.080	Circ	0.375mØ	13.783	137.8	0.600	1.183	1.192
38.000	RE309B	5.350	PS260	5.155	Circ	0.1mØ	18.992	97.4	0.600	0.462	0.656
39.000	RWP312B	5.375	PS260	5.155	Circ	0.1mØ	1.444	6.6	0.600	0.451	0.656
38.001	PS260	5.155	PS261	5.035	Circ	0.1mØ	11.918	99.3	0.600	0.656	0.871
40.000	RE309A	5.350	PS261	5.035	Circ	0.1mØ	18.772	59.6	0.600	0.599	0.871
41.000	RWP312A	5.375	PS261	5.035	Circ	0.1mØ	1.990	5.9	0.600	0.542	0.871
38.002	PS261	4.985	S117	4.905	Circ	0.15mØ	11.276	140.9	0.600	0.871	0.592
42.000	PS206	4.950	S117	4.305	Circ	0.15mØ	9.041	14.0	0.600	0.494	1.192
30.007	S117	4.080	S114	3.985	Circ	0.375mØ	14.105	148.5	0.600	1.192	1.192
43.000	RE330B	4.870	PS20	4.675	Circ	0.1mØ	18.924	97.0	0.600	0.489	0.695
43.001	PS20	4.675	PS23	4.550	Circ	0.1mØ	12.036	96.3	0.600	0.695	0.984
44.000	RWP330A	4.925	RE330A	4.900	Circ	0.1mØ	1.613	64.5	0.600	0.600	0.615
44.001	RE330A	4.900	PS23	4.550	Circ	0.1mØ	16.668	47.6	0.600	0.615	0.984
45.000	S115	4.900	PS23	4.500	Circ	0.15mØ	4.844	12.1	0.600	0.546	0.984
43.002	PS23	4.500	PS10	4.400	Circ	0.15mØ	7.093	70.9	0.600	0.984	1.032
46.000	RWP325C	4.925	RE325A	4.870	Circ	0.1mØ	1.062	19.3	0.600	0.449	0.488
47.000	ACO325	4.895	RE325A	4.870	Circ	0.1mØ	0.792	31.7	0.600	0.450	0.488
46.001	RE325A	4.870	PS16	4.800	Circ	0.1mØ	5.983	85.5	0.600	0.488	0.616
46.002	PS16	4.800	PS10	4.450	Circ	0.1mØ	11.173	31.9	0.600	0.616	1.032
48.000	RWP325B	4.925	RE325B	4.850	Circ	0.1mØ	1.135	15.1	0.600	0.601	0.677
48.001	RE325B	4.850	PS10	4.450	Circ	0.1mØ	6.167	15.4	0.600	0.677	1.032
49.000	DF326	4.850	PS10	4.400	Circ	0.15mØ	6.089	13.5	0.600	0.568	1.032
43.003	PS10	4.400	S114	4.210	Circ	0.15mØ	3.759	19.8	0.600	1.032	1.192
30.008	S114	3.985	S71	3.890	Circ	0.375mØ	15.499	163.1	0.600	1.192	1.182
50.000	YG313	5.150	PS257	4.780	Circ	0.15mØ	22.165	59.9	0.600	0.492	0.725
51.000	YG316	5.080	PS257	4.780	Circ	0.15mØ	0.871	2.9	0.600	0.451	0.725
50.001	PS257	4.780	PS258	4.695	Circ	0.15mØ	12.045	141.7	0.600	0.725	0.958
52.000	RE313A	5.300	PS258	4.745	Circ	0.1mØ	20.813	37.5	0.600	0.496	0.958
53.000	RE318B	5.025	PS258	4.745	Circ	0.1mØ	13.425	47.9	0.600	0.525	0.958
50.002	PS258	4.695	S71	4.615	Circ	0.15mØ	11.672	145.9	0.600	0.958	0.682
54.000	RWP324A	4.925	RE324A	4.900	Circ	0.1mØ	0.736	29.4	0.600	0.449	0.477
54.001	RE324A	4.900	PS5	4.700	Circ	0.1mØ	4.931	24.7	0.600	0.477	0.669
54.002	PS5	4.700	PS6	4.550	Circ	0.1mØ	11.125	74.2	0.600	0.669	0.934
55.000	DF324	4.725	PS6	4.500	Circ	0.15mØ	11.426	50.8	0.600	0.501	0.934
54.003	PS6	4.500	S71	4.115	Circ	0.15mØ	3.733	9.7	0.600	0.934	1.182
30.009	S71	3.890	S72	3.650	Circ	0.375mØ	43.898	182.9	0.600	1.182	1.121
56.000	RE319A	5.000	PS285	4.800	Circ	0.1mØ	8.835	44.2	0.600	0.435	0.623
57.000	GY319	4.785	PS285	4.750	Circ	0.15mØ	3.962	113.2	0.600	0.452	0.623
56.001	PS285	4.750	PS286	4.650	Circ	0.15mØ	8.790	87.9	0.600	0.623	0.757
58.000	RE319B	4.900	PS286	4.700	Circ	0.1mØ	8.691	43.5	0.600	0.627	0.757

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)
59.000	RWP319D	5.000	PS286	4.700	Circ	0.1mØ	1.840	6.1	0.600	0.463	0.757
56.002	PS286	4.650	PS283	4.550	Circ	0.15mØ	11.492	114.9	0.600	0.757	0.709
60.000	RE320A	4.775	PS288	4.670	Circ	0.1mØ	8.855	84.3	0.600	0.511	0.543
61.000	GY320	4.650	PS288	4.620	Circ	0.15mØ	3.902	130.1	0.600	0.454	0.543
60.001	PS288	4.620	PS283	4.550	Circ	0.15mØ	9.069	129.6	0.600	0.543	0.709
62.000	RWP320D	4.800	PS283	4.600	Circ	0.1mØ	1.966	9.8	0.600	0.439	0.709
56.003	PS283	4.550	S72	4.375	Circ	0.15mØ	13.427	76.7	0.600	0.709	0.621
63.000	GY279	4.615	S72	4.375	Circ	0.15mØ	11.269	47.0	0.600	0.453	0.621
30.010	S72	3.650	S164	3.600	Circ	0.375mØ	12.577	251.5	0.600	1.121	0.700
30.011	S164	3.600	S163	3.500	Circ	0.375mØ	3.657	36.6	0.600	0.700	0.800
1.014	S163	3.500	S161	3.450	Circ	0.375mØ	4.161	83.2	0.600	0.800	0.850
1.015	S161	3.450	S162	3.400	Circ	0.225mØ	3.108	62.2	0.600	1.000	-0.019

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 Paving1	S104	5.467	6.177	5.697	0.00000000	2.00	488825.789	98021.813
Permeable Paving2	S107	5.455	6.044	5.564	0.00000000	2.00	488843.997	98023.870
Permeable Paving3	S105	4.417	5.971	5.491	0.00000000	2.00	488856.050	98020.364
Permeable Paving4	S108	5.447	5.799	5.319	0.00000000	2.00	488887.747	98011.131
Permeable Paving23	DF341	3.523	5.904	5.424	0.00000000	2.00	488876.614	98005.263
Permeable Paving22	DF338	10.568	6.012	5.532	0.00000000	2.00	488853.505	98011.996
Permeable Paving21	DF344	6.910	5.841	5.361	0.00000000	2.00	488892.325	97983.998
Permeable Paving19	DF347	7.404	5.641	5.161	0.00000000	2.00	488887.012	97965.330
Permeable Paving20	PS27	3.657	5.814	5.334	0.00000000	2.00	488883.219	97960.008
Permeable Paving6	DF350	3.930	5.652	5.172	0.00000000	2.00	488876.194	97942.705
Permeable Paving5	S109(D)	3.936	5.480	5.000	0.00000000	2.00	488872.771	97930.156
Permeable Paving18	DF302	8.232	6.151	5.671	0.00000000	2.00	488787.796	98020.022
Permeable Paving8	DF330	10.217	5.594	5.114	0.00000000	2.00	488840.915	97973.455
Permeable Paving7	DF331	5.253	5.746	5.266	0.00000000	2.00	488831.107	97979.388
Permeable Paving11	PS206	3.922	5.594	5.114	0.00000000	2.00	488838.248	97963.536
Permeable Paving10	S115	3.932	5.596	5.116	0.00000000	2.00	488842.352	97954.419
Permeable Paving9	DF326	7.047	5.568	5.088	0.00000000	2.00	488849.893	97946.751
Permeable Paving12	DF324	7.067	5.376	4.896	0.00000000	2.00	488857.872	97929.121

Outfall Details

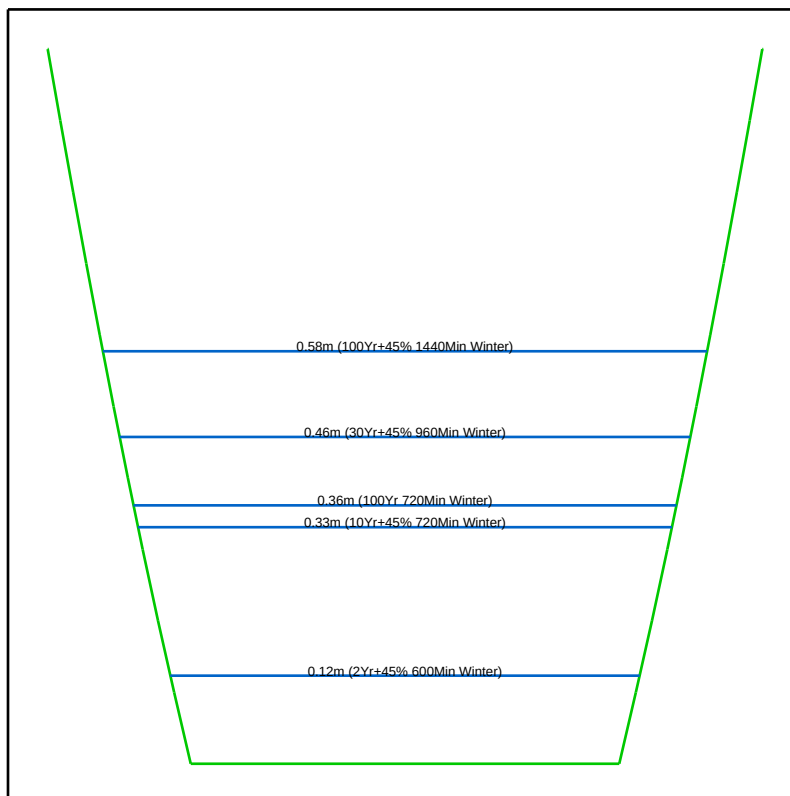
Outfall Manhole S162 : Free Discharge

Flow Control Details

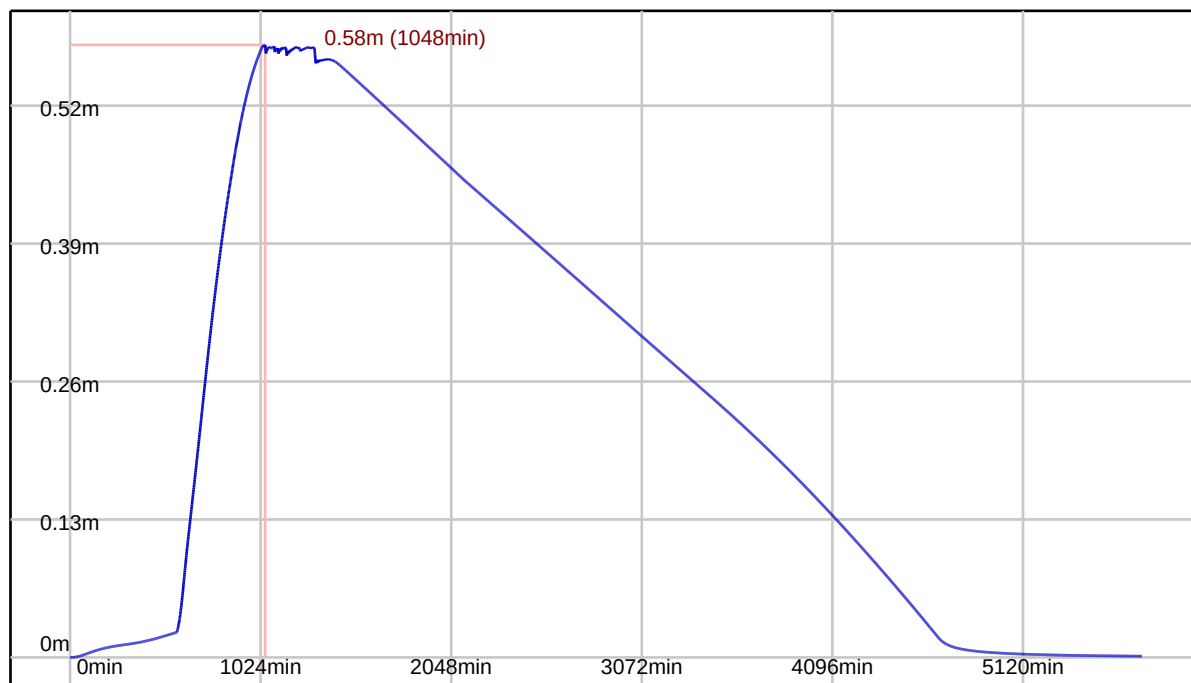
Pond Structure at Manhole S153

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
3.950	1.000	202.286	4.650	0.300	0.00000000	0.00000000	2.00

Pond Depth/Area Diagram at S153



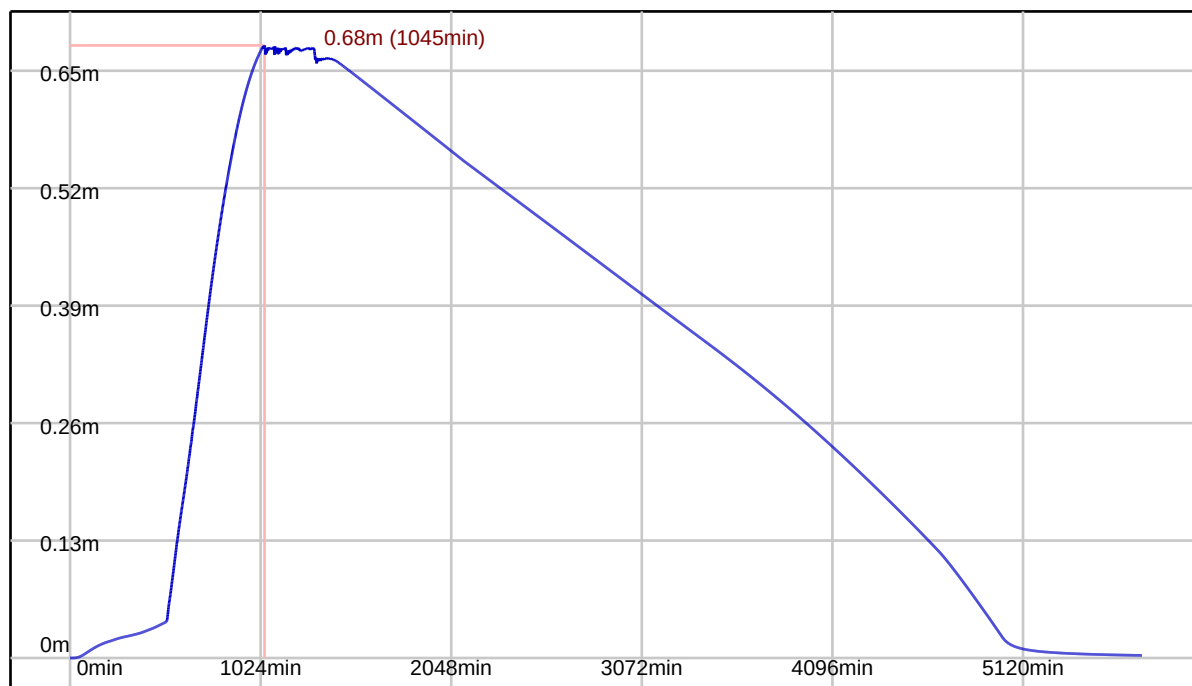
Pond at S153 (100Yr+45% 1440Min Winter)



Tank Structure at Manhole S152

Tank Invert (m)	Tank Height (m)	Porosity Ratio (%)	Area (m2)	Effective Area (m2) Area x Porosity Ratio	Max Storage (m3) Effective Area x Height	Infil Base (m/hr)	Infil Side (m/hr)	Safety Factor
3.840	0.800	95.00	169.811	161.320	129.056	0.00000000	0.00000000	2.00

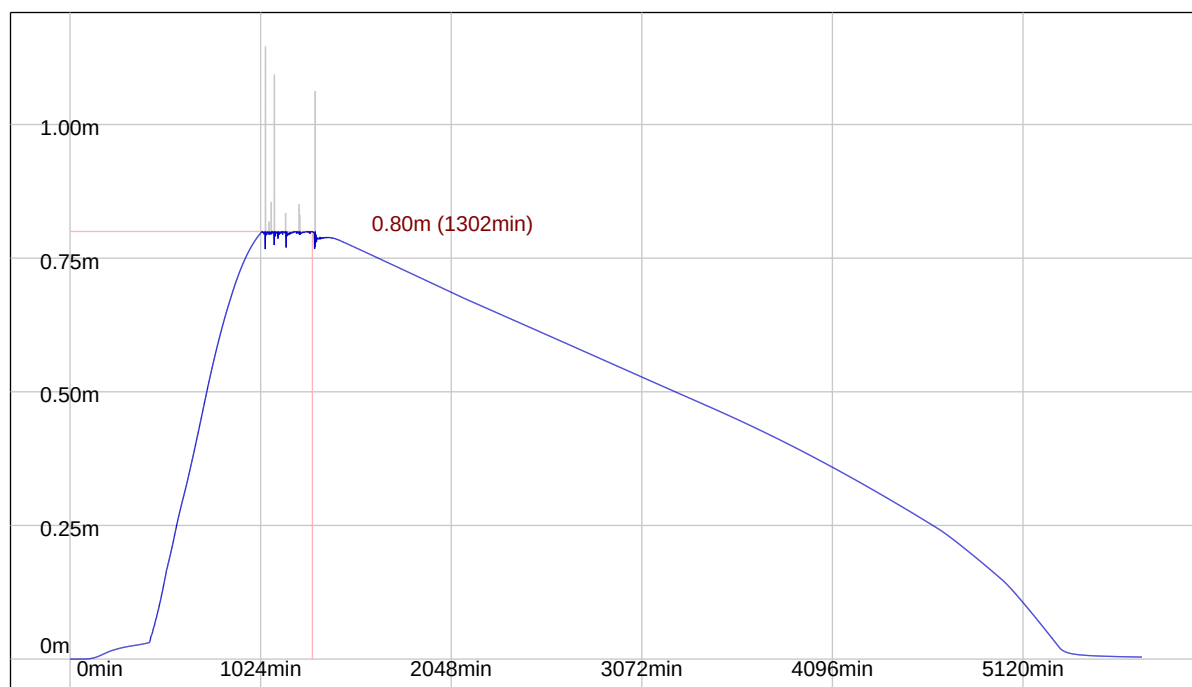
Tank at S152 (100Yr+45% 1440Min Winter)



Tank Structure at Manhole S150

Tank Invert (m)	Tank Height (m)	Porosity Ratio (%)	Area (m2)	Effective Area (m2) Area x Porosity Ratio	Max Storage (m3) Effective Area x Height	Infil Base (m/hr)	Infil Side (m/hr)	Safety Factor
3.725	0.800	95.00	90.000	85.500	68.400	0.00000000	0.00000000	2.00

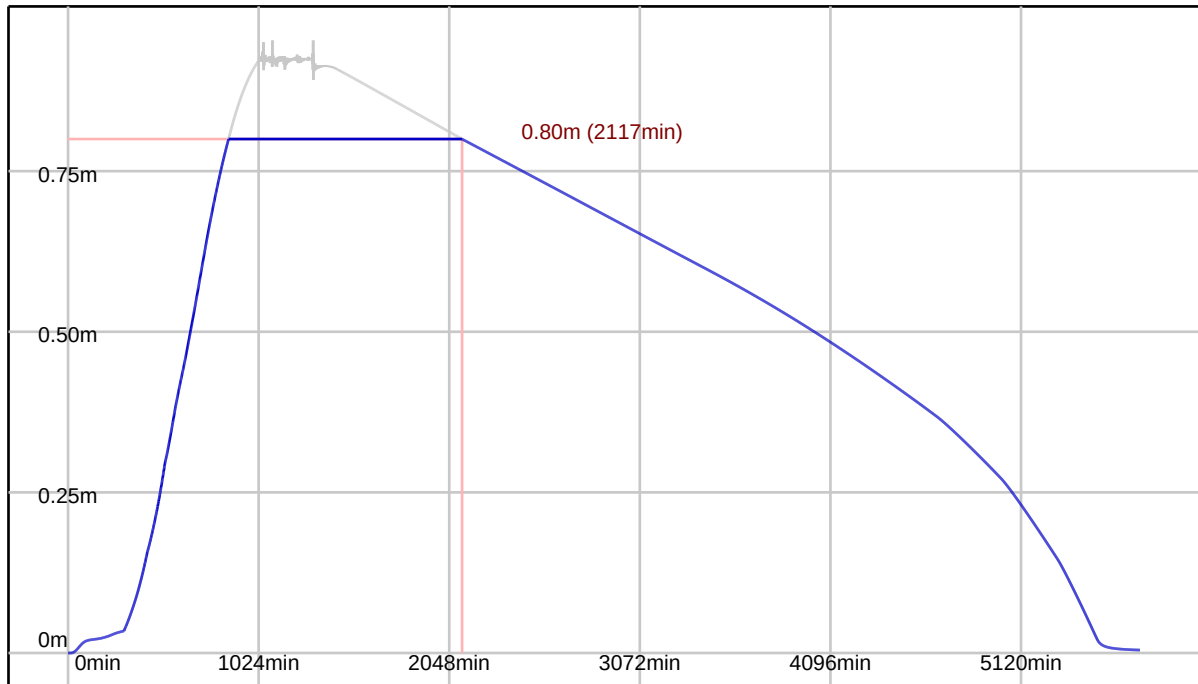
Tank at S150 (100Yr+45% 1440Min Winter)



Tank Structure at Manhole S86

Tank Invert (m)	Tank Height (m)	Porosity Ratio (%)	Area (m2)	Effective Area (m2) Area x Porosity Ratio	Max Storage (m3) Effective Area x Height	Infil Base (m/hr)	Infil Side (m/hr)	Safety Factor
3.600	0.800	95.00	68.000	64.600	51.680	0.00000000	0.00000000	2.00

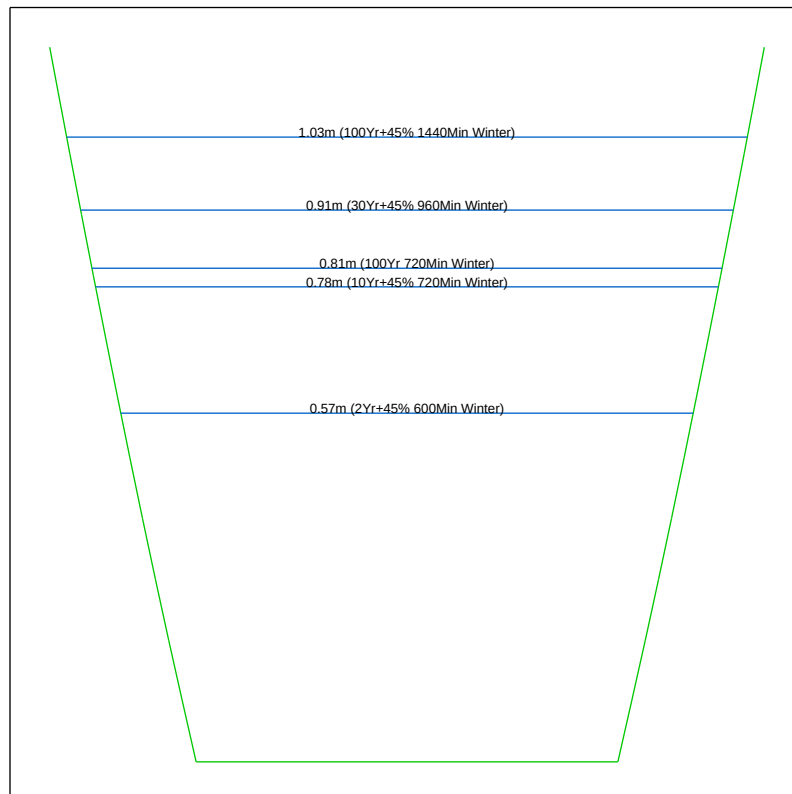
Tank at S86 (100Yr+45% 1440Min Winter)



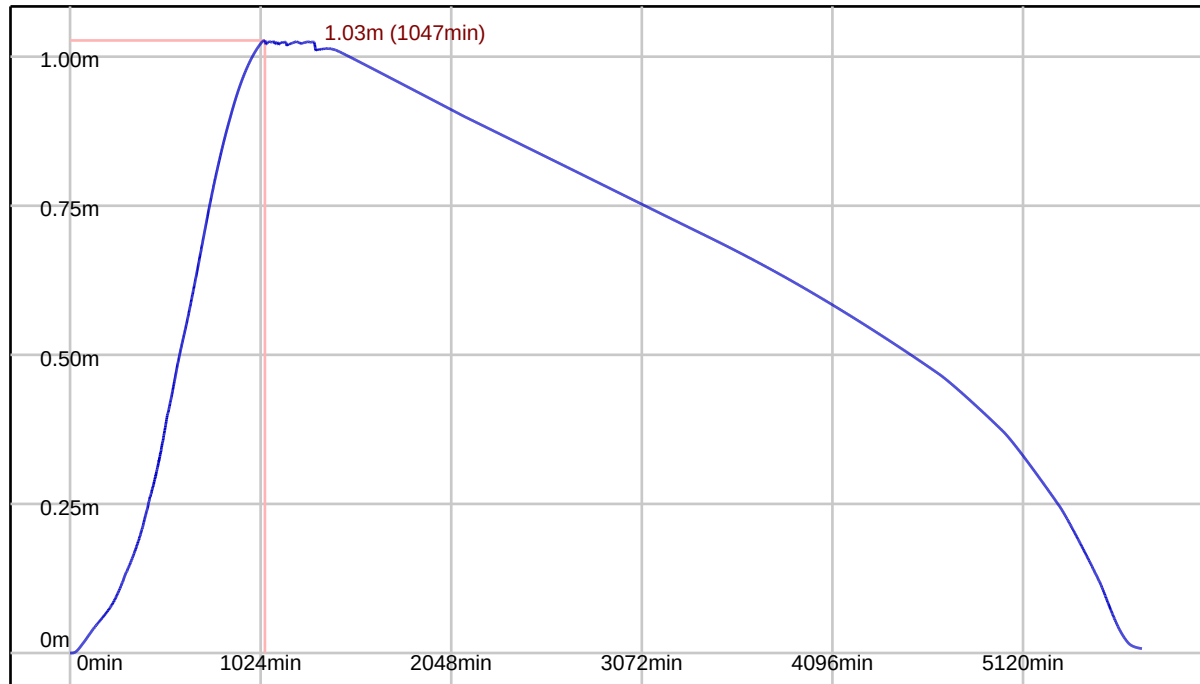
Pond Structure at Manhole S163

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
3.500	1.175	198.929	4.375	0.300	0.00000000	0.00000000	2.00

Pond Depth/Area Diagram at S163



Pond at S163 (100Yr+45% 1440Min Winter)

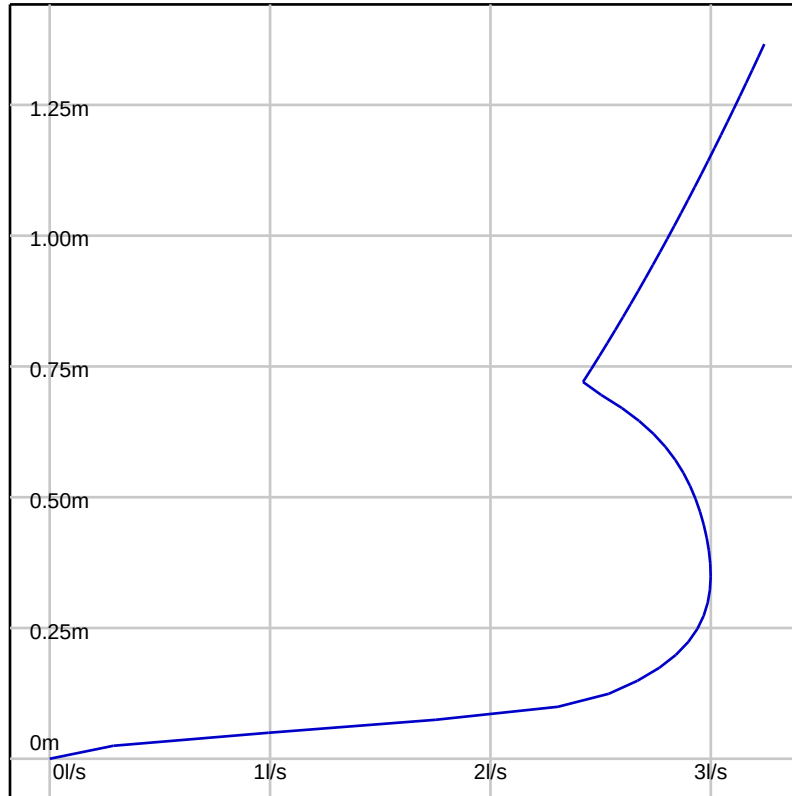


Controls within Manhole S161

Hydro-Brake® Optimum Control at Manhole S161

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-0080-3000-1150-3000	1.150	3.000	0.000	0.351	2.999	0.715	2.412

Hydro-Brake® Optimum Control at S161



Simulation Settings

FEH2022 (point): Filename=FEH_Point_Descriptors_488693_97897_v5_0_1.xml

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

Global Time of Entry: 5.0 mins

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

Return Periods (yrs) + Climate Change: (2, +45%), (10, +45%), (30, +45%), (100, +0%), (100, +45%)

Simulated Rainfall Events

Storm	Average Intensity (mm/hr)	Runoff Continuity %	Flow Continuity %	Storm	Average Intensity (mm/hr)	Runoff Continuity %	Flow Continuity %
2Yr+45% 15Min Winter	47.734	0.00	-0.35	30Yr+45% 360Min Summer	12.224	0.00	0.38
2Yr+45% 15Min Summer	47.734	0.00	-0.48	30Yr+45% 360Min Winter	12.224	0.00	0.39
2Yr+45% 30Min Winter	31.030	0.00	-0.64	30Yr+45% 480Min Summer	9.702	0.00	0.45
2Yr+45% 30Min Summer	31.030	0.00	-0.70	30Yr+45% 480Min Winter	9.702	0.00	0.44
2Yr+45% 60Min Summer	19.285	0.00	-0.85	30Yr+45% 600Min Summer	8.089	0.00	0.26
2Yr+45% 60Min Winter	19.285	0.00	-0.79	30Yr+45% 600Min Winter	8.089	0.00	0.35
2Yr+45% 120Min Winter	12.930	0.00	-0.63	30Yr+45% 720Min Summer	6.961	0.00	0.16
2Yr+45% 120Min Summer	12.930	0.00	-0.61	30Yr+45% 720Min Winter	6.961	0.00	0.15
2Yr+45% 180Min Summer	10.105	0.00	-0.52	30Yr+45% 960Min Summer	5.492	0.00	-0.09
2Yr+45% 180Min Winter	10.105	0.00	-0.53	30Yr+45% 960Min Winter	5.492	0.00	-0.07
2Yr+45% 240Min Winter	8.254	0.00	-0.47	30Yr+45% 1440Min Summer	3.953	0.00	-0.04
2Yr+45% 240Min Summer	8.254	0.00	-0.51	30Yr+45% 1440Min Winter	3.953	0.00	-0.05
2Yr+45% 360Min Summer	6.188	0.00	-0.44	100Yr 15Min Summer	100.880	0.00	-0.29
2Yr+45% 360Min Winter	6.188	0.00	-0.40	100Yr 15Min Winter	100.880	0.00	-0.18
2Yr+45% 480Min Summer	5.020	0.00	-0.42	100Yr 30Min Summer	66.884	0.00	-0.14
2Yr+45% 480Min Winter	5.020	0.00	-0.27	100Yr 30Min Winter	66.884	0.00	-0.13
2Yr+45% 600Min Summer	4.237	0.00	-0.38	100Yr 60Min Summer	42.434	0.00	-0.10
2Yr+45% 600Min Winter	4.237	0.00	-0.14	100Yr 60Min Winter	42.434	0.00	-0.10
2Yr+45% 720Min Winter	3.677	0.00	-0.09	100Yr 120Min Summer	24.790	0.00	-0.10
2Yr+45% 720Min Summer	3.677	0.00	-0.28	100Yr 120Min Winter	24.790	0.00	-0.22
2Yr+45% 960Min Summer	2.945	0.00	-0.16	100Yr 180Min Summer	17.968	0.00	-0.17
2Yr+45% 960Min Winter	2.945	0.00	-0.05	100Yr 180Min Winter	17.968	0.00	-0.18
2Yr+45% 1440Min Summer	2.154	0.00	-0.06	100Yr 240Min Summer	14.430	0.00	-0.09
2Yr+45% 1440Min Winter	2.154	0.00	-0.01	100Yr 240Min Winter	14.430	0.00	-0.09
10Yr+45% 15Min Summer	90.144	0.00	-0.32	100Yr 360Min Summer	10.466	0.00	0.02
10Yr+45% 15Min Winter	90.144	0.00	-0.19	100Yr 360Min Winter	10.466	0.00	0.04
10Yr+45% 30Min Summer	58.702	0.00	-0.17	100Yr 480Min Summer	8.295	0.00	0.08
10Yr+45% 30Min Winter	58.702	0.00	-0.17	100Yr 480Min Winter	8.295	0.00	0.10
10Yr+45% 60Min Summer	36.665	0.00	-0.09	100Yr 600Min Summer	6.919	0.00	-0.08
10Yr+45% 60Min Winter	36.665	0.00	-0.09	100Yr 600Min Winter	6.919	0.00	-0.05
10Yr+45% 120Min Summer	22.521	0.00	-0.20	100Yr 720Min Summer	5.959	0.00	-0.18
10Yr+45% 120Min Winter	22.521	0.00	-0.35	100Yr 720Min Winter	5.959	0.00	-0.13
10Yr+45% 180Min Summer	16.756	0.00	-0.27	100Yr 960Min Summer	4.708	0.00	-0.10
10Yr+45% 180Min Winter	16.756	0.00	-0.29	100Yr 960Min Winter	4.708	0.00	-0.08
10Yr+45% 240Min Summer	13.465	0.00	-0.23	100Yr 1440Min Summer	3.395	0.00	-0.07
10Yr+45% 240Min Winter	13.465	0.00	-0.23	100Yr 1440Min Winter	3.395	0.00	-0.04
10Yr+45% 360Min Summer	9.827	0.00	-0.11	100Yr+45% 15Min Summer	146.276	0.00	0.01
10Yr+45% 360Min Winter	9.827	0.00	-0.10	100Yr+45% 15Min Winter	146.276	0.00	0.00
10Yr+45% 480Min Winter	7.833	0.00	-0.04	100Yr+45% 30Min Summer	96.982	0.00	0.10
10Yr+45% 480Min Summer	7.833	0.00	-0.05	100Yr+45% 30Min Winter	96.982	0.00	0.03
10Yr+45% 600Min Summer	6.549	0.00	-0.18	100Yr+45% 60Min Summer	61.530	0.00	0.45
10Yr+45% 600Min Winter	6.549	0.00	-0.14	100Yr+45% 60Min Winter	61.530	0.00	0.39
10Yr+45% 720Min Summer	5.645	0.00	-0.23	100Yr+45% 120Min Summer	35.946	0.00	0.54
10Yr+45% 720Min Winter	5.645	0.00	-0.17	100Yr+45% 120Min Winter	35.946	0.00	0.55
10Yr+45% 960Min Summer	4.467	0.00	-0.12	100Yr+45% 180Min Summer	26.053	0.00	0.60
10Yr+45% 960Min Winter	4.467	0.00	-0.09	100Yr+45% 180Min Winter	26.053	0.00	0.60
10Yr+45% 1440Min Summer	3.223	0.00	-0.06	100Yr+45% 240Min Summer	20.923	0.00	0.67
10Yr+45% 1440Min Winter	3.223	0.00	-0.04	100Yr+45% 240Min Winter	20.923	0.00	0.69
30Yr+45% 15Min Summer	116.894	0.00	-0.17	100Yr+45% 360Min Summer	15.176	0.00	0.85
30Yr+45% 15Min Winter	116.894	0.00	-0.15	100Yr+45% 360Min Winter	15.176	0.00	0.85
30Yr+45% 30Min Summer	76.716	0.00	-0.11	100Yr+45% 480Min Summer	12.028	0.00	2.67
30Yr+45% 30Min Winter	76.716	0.00	-0.19	100Yr+45% 480Min Winter	12.028	0.00	3.03
30Yr+45% 60Min Summer	48.209	0.00	-0.05	100Yr+45% 600Min Summer	10.033	0.00	4.44
30Yr+45% 60Min Winter	48.209	0.00	-0.03	100Yr+45% 600Min Winter	10.033	0.00	4.45
30Yr+45% 120Min Summer	28.721	0.00	0.11	100Yr+45% 720Min Summer	8.641	0.00	4.81

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	0.05	100Yr+45% 720Min Winter	8.641	0.00	5.08
30Yr+45% 180Min Summer	21.032	0.00	0.17	100Yr+45% 960Min Summer	6.827	0.00	4.63
30Yr+45% 180Min Winter	21.032	0.00	0.16	100Yr+45% 960Min Winter	6.827	0.00	5.67
30Yr+45% 240Min Summer	16.846	0.00	0.26	100Yr+45% 1440Min Winter	4.922	0.00	5.89
30Yr+45% 240Min Winter	16.846	0.00	0.27	100Yr+45% 1440Min Summer	4.922	0.00	4.41

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
RWP337B	15 min Summer	9	5.600	0.000	0.000		OK
RE337A	15 min Summer	8	5.600	0.050	3.176		OK
RWP335D	-	0	5.600	0.000	0.000		OK
PS227	15 min Summer	8	5.475	0.050	3.148		OK
RE334A	15 min Summer	8	5.647	0.047	3.176		OK
RWP334A	-	0	5.600	0.000	0.000		OK
PS222	15 min Summer	8	5.499	0.049	3.154		OK
PS223	15 min Summer	9	5.381	0.081	6.189		OK
RWP337A	-	0	5.600	0.000	0.000		OK
RE337B	-	0	5.550	0.000	0.000		OK
PS224	15 min Summer	9	5.296	0.046	6.231		OK
S104	15 min Summer	8	5.450	0.025	4.884		OK
S80	15 min Summer	9	4.557	0.082	10.962		OK
S81	15 min Summer	9	4.514	0.099	14.713		OK
S107	30 min Summer	22	5.312	0.012	0.604		OK
S105	30 min Summer	22	5.231	0.010	0.543		OK
S106	15 min Summer	9	4.450	0.141	25.413		OK
S108	30 min Summer	22	5.062	0.012	0.604		OK
S82	15 min Summer	9	4.232	0.114	25.389		OK
S83	15 min Summer	10	4.101	0.101	24.872		OK
S153	600 min Winter	572	4.073	0.123	0.173		OK
S154	600 min Winter	575	4.074	0.144	0.214		OK
S165	600 min Winter	575	4.074	0.184	0.207		OK
S152	600 min Winter	570	4.073	0.223	1.012		OK
S150	600 min Winter	576	4.073	0.348	0.604		OK
RWP338B	15 min Summer	8	5.464	0.014	0.048		OK
RE338A	15 min Summer	8	5.464	0.064	5.284		OK
DF341	30 min Summer	22	5.260	0.010	0.476		OK
PS336	15 min Summer	9	5.152	0.052	5.147		OK
DF338	120 min Summer	69	5.379	0.019	0.885		OK
PS31	120 min Summer	69	5.197	0.022	0.885		OK
PS32	15 min Summer	9	5.016	0.066	6.743		OK
RWP342B	-	0	5.300	0.000	0.000		OK
PS33	15 min Summer	9	4.738	0.038	6.798		OK
S130	15 min Summer	9	4.198	0.073	6.805		OK
RWP343A	15 min Summer	8	5.320	0.020	0.026		OK
RE343B	15 min Summer	8	5.320	0.045	2.776		OK
PS232	15 min Summer	9	5.195	0.045	2.697		OK
RE343A	-	0	5.300	0.000	0.000		OK
RWP344D	-	0	5.300	0.000	0.000		OK
PS233	15 min Summer	9	5.033	0.033	2.717		OK
DF344	60 min Summer	37	5.267	0.017	0.677		OK
RE345A	-	0	5.250	0.000	0.000		OK
PS29	15 min Summer	9	4.871	0.021	2.731		OK
S129	15 min Summer	9	4.196	0.146	27.811		OK
RE345B	15 min Summer	8	5.307	0.057	3.993		OK
PS243	15 min Summer	8	5.153	0.053	3.964		OK
DF347	30 min Summer	25	5.002	0.027	1.144		OK
PS240	-	0	5.250	0.000	0.000		OK
PS27	15 min Summer	9	4.875	0.025	3.924		OK
DF348	-	0	4.950	0.000	0.000		OK
RE348A	-	0	5.075	0.000	0.000		OK
RWP348B	-	0	5.075	0.000	0.000		OK
PS25	-	0	4.850	0.000	0.000		OK
S128	15 min Summer	9	4.082	0.157	31.857		OK
RE348B	15 min Summer	8	5.131	0.056	3.993		OK
PS238	15 min Summer	8	4.948	0.048	3.964		OK
PS239	15 min Summer	8	4.735	0.035	3.940		OK
RE349A	-	0	5.075	0.000	0.000		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
DF350	30 min Summer	22	5.010	0.010	0.509		OK
PS200	15 min Summer	8	4.519	0.039	3.925		OK
S109(D)	30 min Summer	22	4.739	0.014	0.509		OK
S92	600 min Winter	575	4.073	0.398	0.690		Surcharged
S93	600 min Winter	575	4.073	0.448	0.688		Surcharged
S86	600 min Winter	575	4.073	0.473	1.254		Surcharged
S87	600 min Winter	576	4.073	0.523	1.419		Surcharged
RWP301A	-	0	5.700	0.000	0.000		OK
RE301A	-	0	5.675	0.000	0.000		OK
PS363	15 min Summer	8	5.621	0.051	3.177		OK
RWP301C	-	0	5.650	0.000	0.000		OK
RE302A	-	0	5.600	0.000	0.000		OK
RWP302B	-	0	5.650	0.000	0.000		OK
PS365	-	0	5.540	0.000	0.000		OK
DF302	120 min Summer	66	5.519	0.019	1.002		OK
PS362	15 min Summer	9	5.421	0.051	3.834		OK
S69	15 min Summer	9	4.824	0.124	18.590		OK
S98	15 min Summer	9	4.620	0.120	34.216		OK
RE333B	-	0	5.150	0.000	0.000		OK
PS273	-	0	4.700	0.000	0.000		OK
RWP333B	-	0	5.150	0.000	0.000		OK
RE333A	-	0	5.100	0.000	0.000		OK
DF330	120 min Summer	69	4.940	0.015	0.866		OK
DF331	30 min Summer	22	5.110	0.010	0.594		OK
PS274	120 min Summer	68	4.510	0.030	1.396		OK
S70	15 min Summer	8	4.325	0.145	52.692		OK
RE309B	-	0	5.350	0.000	0.000		OK
RWP312B	-	0	5.375	0.000	0.000		OK
PS260	-	0	5.155	0.000	0.000		OK
RE309A	-	0	5.350	0.000	0.000		OK
RWP312A	-	0	5.375	0.000	0.000		OK
PS261	-	0	4.985	0.000	0.000		OK
PS206	30 min Summer	22	4.961	0.011	0.508		OK
S117	15 min Summer	9	4.241	0.161	57.937		OK
RE330B	15 min Summer	8	4.917	0.047	2.828		OK
PS20	15 min Summer	9	4.722	0.047	2.731		OK
RWP330A	15 min Summer	8	4.941	0.016	0.022		OK
RE330A	15 min Summer	8	4.941	0.041	3.111		OK
S115	30 min Summer	22	4.911	0.011	0.509		OK
PS23	15 min Summer	9	4.554	0.054	5.798		OK
RWP325C	-	0	4.925	0.000	0.000		OK
ACO325	-	0	4.895	0.000	0.000		OK
RE325A	-	0	4.870	0.000	0.000		OK
PS16	-	0	4.800	0.000	0.000		OK
RWP325B	-	0	4.925	0.000	0.000		OK
RE325B	15 min Summer	8	4.885	0.035	3.993		OK
DF326	60 min Summer	37	4.862	0.012	0.684		OK
PS10	15 min Summer	8	4.450	0.050	9.738		OK
S114	15 min Summer	9	4.174	0.189	72.881		OK
YG313	15 min Summer	8	5.198	0.048	5.255		OK
YG316	-	0	5.080	0.000	0.000		OK
PS257	15 min Summer	8	4.849	0.069	6.573		OK
RE313A	-	0	5.300	0.000	0.000		OK
RE318B	-	0	5.025	0.000	0.000		OK
PS258	15 min Summer	9	4.764	0.069	6.432		OK
RWP324A	-	0	4.925	0.000	0.000		OK
RE324A	-	0	4.900	0.000	0.000		OK
PS5	-	0	4.700	0.000	0.000		OK
DF324	60 min Summer	37	4.743	0.018	0.685		OK
PS6	60 min Summer	38	4.511	0.011	0.681		OK
S71	15 min Summer	9	4.113	0.223	99.193		OK
RE319A	-	0	5.000	0.000	0.000		OK
GY319	15 min Summer	8	4.810	0.025	1.068		OK
PS285	15 min Summer	8	4.774	0.024	1.058		OK
RE319B	15 min Summer	8	4.929	0.029	1.756		OK
RWP319D	-	0	5.000	0.000	0.000		OK
PS286	15 min Summer	8	4.703	0.053	4.546		OK
RE320A	-	0	4.775	0.000	0.000		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
GY320	15 min Summer	8	4.676	0.026	1.062		OK
PS288	15 min Summer	8	4.646	0.026	1.051		OK
RWP320D	-	0	4.800	0.000	0.000		OK
PS283	15 min Summer	9	4.603	0.053	5.488		OK
GY279	-	0	4.615	0.000	0.000		OK
S72	600 min Winter	570	4.075	0.425	1.637		Surcharged
S164	180 min Summer	96	4.074	0.474	53.445		Surcharged
S163	600 min Winter	572	4.073	0.573	3.412		Surcharged
S161	600 min Winter	576	4.078	0.628	2.101		Surcharged
S162	120 min Summer	698	3.432	0.032	2.999		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	9	RWP337B	RE337A	0.025	0.002	0.000	0.000	OK
1.001	15 min Summer	8	RE337A	PS227	0.050	0.803	3.148	0.507	OK
2.000	15 min Summer	8	RWP335D	PS227	0.025	0.000	0.000	0.000	OK
1.002	15 min Summer	9	PS227	PS223	0.065	0.582	3.117	0.499	OK
3.000	15 min Summer	8	RE334A	PS222	0.048	0.848	3.154	0.451	OK
4.000	15 min Summer	8	RWP334A	PS222	0.025	0.000	0.000	0.000	OK
3.001	15 min Summer	9	PS222	PS223	0.065	0.589	3.121	0.487	OK
1.003	15 min Summer	9	PS223	PS224	0.064	1.180	6.231	1.017	OK
5.000	15 min Winter	0	RWP337A	RE337B	0.000	0.000	0.000	0.000	OK
5.001	15 min Summer	9	RE337B	PS224	0.023	0.000	0.000	0.000	OK
1.004	15 min Summer	9	PS224	S80	0.046	1.771	6.258	0.434	OK
6.000	15 min Summer	8	S104	S80	0.025	2.469	4.872	0.062	OK
1.005	15 min Summer	9	S80	S81	0.091	0.732	11.009	0.281	OK
1.006	15 min Summer	9	S81	S106	0.120	0.682	14.754	0.413	OK
7.000	15 min Summer	14	S107	S106	0.030	0.856	0.469	0.010	OK
8.000	15 min Summer	14	S105	S106	0.030	1.052	0.438	0.007	OK
1.007	15 min Summer	9	S106	S82	0.128	1.090	25.388	0.738	OK
9.000	15 min Summer	14	S108	S82	0.021	0.897	0.471	0.009	OK
1.008	15 min Summer	10	S82	S83	0.107	1.331	24.896	0.525	OK
1.009	600 min Winter	575	S83	S152	0.119	0.816	6.074	0.102	OK
10.000	600 min Winter	960	S153	S154	0.133	0.377	2.095	0.015	OK
10.001	600 min Winter	1046	S154	S165	0.164	0.329	1.817	0.017	OK
10.002	600 min Winter	575	S165	S152	0.204	0.206	1.431	0.014	OK
1.010	600 min Winter	570	S152	S150	0.286	0.456	4.224	0.039	OK
1.011	600 min Winter	576	S150	S86	0.362	0.157	2.254	0.021	OK
11.000	15 min Summer	10	RWP338B	RE338A	0.039	0.089	0.203	0.015	OK
11.001	15 min Summer	8	RE338A	PS336	0.064	0.980	5.161	0.738	OK
12.000	30 min Summer	22	DF341	PS336	0.026	0.361	0.481	0.009	OK
11.002	15 min Summer	9	PS336	PS32	0.059	0.805	5.164	0.257	OK
13.000	120 min Summer	69	DF338	PS31	0.021	0.594	0.885	0.036	OK
13.001	60 min Summer	39	PS31	PS32	0.036	0.329	0.835	0.046	OK
11.003	15 min Summer	9	PS32	PS33	0.052	1.235	6.798	0.369	OK
14.000	15 min Winter	0	RWP342B	PS33	0.000	0.000	0.000	0.000	OK
11.004	15 min Summer	9	PS33	S130	0.038	1.902	6.805	0.144	OK
11.005	15 min Summer	10	S130	S129	0.110	0.388	6.870	0.198	OK
15.000	15 min Summer	10	RWP343A	RE343B	0.033	0.056	0.087	0.010	OK
15.001	15 min Summer	8	RE343B	PS232	0.045	0.794	2.722	0.422	OK
15.002	15 min Summer	9	PS232	PS233	0.039	0.959	2.717	0.397	OK
16.000	15 min Summer	9	RE343A	PS233	0.017	0.000	0.000	0.000	OK
17.000	15 min Summer	9	RWP344D	PS233	0.017	0.000	0.000	0.000	OK
15.003	15 min Summer	9	PS233	PS29	0.033	1.207	2.731	0.236	OK
18.000	60 min Summer	37	DF344	PS29	0.017	0.765	0.676	0.063	OK
19.000	15 min Winter	0	RE345A	PS29	0.000	0.000	0.000	0.000	OK
15.004	15 min Summer	9	PS29	S129	0.046	1.419	2.736	0.044	OK
11.006	15 min Summer	9	S129	S128	0.151	0.982	27.926	0.770	OK
20.000	15 min Summer	8	RE345B	PS243	0.055	0.899	3.964	0.611	OK
20.001	15 min Summer	8	PS243	PS27	0.053	0.925	3.907	0.556	OK
21.000	60 min Summer	39	DF347	PS27	0.024	0.666	1.169	0.066	OK
22.000	15 min Winter	0	PS240	PS27	0.000	0.000	0.000	0.000	OK
20.002	15 min Summer	9	PS27	S128	0.053	1.632	3.931	0.063	OK
23.000	15 min Winter	0	DF348	PS25	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
24.000	15 min Winter	0	RE348A	PS25	0.000	0.000	0.000	0.000	OK
25.000	15 min Winter	0	RWP348B	PS25	0.000	0.000	0.000	0.000	OK
23.001	15 min Summer	9	PS25	S128	0.041	0.000	0.000	0.000	OK
11.007	600 min Winter	575	S128	S92	0.187	0.625	4.371	0.120	OK
26.000	15 min Summer	8	RE348B	PS238	0.052	0.960	3.964	0.586	OK
26.001	15 min Summer	8	PS238	PS239	0.042	1.276	3.940	0.445	OK
26.002	15 min Summer	8	PS239	PS200	0.035	1.627	3.925	0.257	OK
27.000	15 min Winter	0	RE349A	PS200	0.000	0.000	0.000	0.000	OK
28.000	60 min Summer	36	DF350	PS200	0.021	0.408	0.485	0.009	OK
26.003	15 min Summer	9	PS200	S92	0.039	1.068	3.918	0.150	OK
29.000	30 min Summer	22	S109(D)	S92	0.014	0.604	0.508	0.019	OK
11.008	480 min Summer	345	S92	S93	0.375	0.490	10.785	0.096	Surcharged
11.009	240 min Summer	155	S93	S86	0.375	0.759	16.120	0.133	Surcharged
1.012	120 min Summer	99	S86	S87	0.375	0.407	8.271	0.071	Surcharged
1.013	120 min Summer	76	S87	S163	0.375	0.488	10.589	0.108	Surcharged
30.000	15 min Winter	0	RWP301A	RE301A	0.000	0.000	0.000	0.000	OK
30.001	15 min Summer	8	RE301A	PS363	0.025	0.000	0.000	0.000	OK
30.002	15 min Summer	8	PS363	PS362	0.051	0.785	3.131	0.515	OK
31.000	15 min Winter	0	RWP301C	RE302A	0.000	0.000	0.000	0.000	OK
31.001	15 min Winter	0	RE302A	PS365	0.000	0.000	0.000	0.000	OK
32.000	15 min Winter	0	RWP302B	PS365	0.000	0.000	0.000	0.000	OK
31.002	15 min Summer	9	PS365	PS362	0.001	0.000	0.000	0.000	OK
33.000	15 min Summer	8	DF302	PS362	0.034	0.432	0.756	0.026	OK
30.003	15 min Summer	9	PS362	S69	0.051	0.723	3.871	0.257	OK
30.004	15 min Summer	9	S69	S98	0.119	0.889	18.920	0.604	OK
30.005	15 min Summer	9	S98	S70	0.120	1.300	34.508	0.349	OK
34.000	15 min Winter	0	RE333B	PS273	0.000	0.000	0.000	0.000	OK
34.001	15 min Winter	0	PS273	PS274	0.000	0.000	0.000	0.000	OK
35.000	15 min Winter	0	RWP333B	RE333A	0.000	0.000	0.000	0.000	OK
35.001	15 min Winter	0	RE333A	PS274	0.000	0.000	0.000	0.000	OK
36.000	120 min Summer	69	DF330	PS274	0.022	0.526	0.866	0.020	OK
37.000	60 min Summer	37	DF331	PS274	0.020	0.698	0.577	0.008	OK
34.002	120 min Summer	68	PS274	S70	0.030	0.553	1.396	0.089	OK
30.006	15 min Summer	9	S70	S117	0.153	1.251	53.047	0.312	OK
38.000	15 min Winter	0	RE309B	PS260	0.000	0.000	0.000	0.000	OK
39.000	15 min Winter	0	RWP312B	PS260	0.000	0.000	0.000	0.000	OK
38.001	15 min Winter	0	PS260	PS261	0.000	0.000	0.000	0.000	OK
40.000	15 min Winter	0	RE309A	PS261	0.000	0.000	0.000	0.000	OK
41.000	15 min Winter	0	RWP312A	PS261	0.000	0.000	0.000	0.000	OK
38.002	15 min Winter	0	PS261	S117	0.000	0.000	0.000	0.000	OK
42.000	30 min Summer	22	PS206	S117	0.011	0.887	0.512	0.011	OK
30.007	15 min Summer	9	S117	S114	0.175	1.151	58.192	0.355	OK
43.000	15 min Summer	8	RE330B	PS20	0.047	0.772	2.806	0.459	OK
43.001	15 min Summer	9	PS20	PS23	0.047	0.769	2.771	0.451	OK
44.000	15 min Summer	11	RWP330A	RE330A	0.028	0.075	0.076	0.010	OK
44.001	15 min Summer	8	RE330A	PS23	0.041	1.019	3.045	0.347	OK
45.000	30 min Summer	22	S115	PS23	0.027	0.357	0.513	0.010	OK
43.002	15 min Summer	9	PS23	PS10	0.052	1.075	5.822	0.276	OK
46.000	15 min Winter	0	RWP325C	RE325A	0.000	0.000	0.000	0.000	OK
47.000	15 min Winter	0	ACO325	RE325A	0.000	0.000	0.000	0.000	OK
46.001	15 min Winter	0	RE325A	PS16	0.000	0.000	0.000	0.000	OK
46.002	15 min Summer	8	PS16	PS10	0.000	0.000	0.000	0.000	OK
48.000	15 min Summer	8	RWP325B	RE325B	0.017	0.000	0.000	0.000	OK
48.001	15 min Summer	8	RE325B	PS10	0.035	1.653	3.978	0.256	OK
49.000	60 min Summer	37	DF326	PS10	0.026	0.473	0.683	0.014	OK
43.003	15 min Summer	8	PS10	S114	0.050	1.879	9.694	0.241	OK
30.008	15 min Summer	9	S114	S71	0.206	1.178	73.203	0.469	OK
50.000	15 min Summer	8	YG313	PS257	0.059	0.815	5.223	0.227	OK
51.000	15 min Summer	8	YG316	PS257	0.034	0.000	0.000	0.000	OK
50.001	15 min Summer	9	PS257	PS258	0.069	0.822	6.491	0.437	OK
52.000	15 min Summer	9	RE313A	PS258	0.010	0.000	0.000	0.000	OK
53.000	15 min Summer	9	RE318B	PS258	0.010	0.000	0.000	0.000	OK
50.002	15 min Summer	9	PS258	S71	0.069	0.814	6.503	0.444	OK
54.000	15 min Winter	0	RWP324A	RE324A	0.000	0.000	0.000	0.000	OK
54.001	15 min Winter	0	RE324A	PS5	0.000	0.000	0.000	0.000	OK
54.002	15 min Winter	0	PS5	PS6	0.000	0.000	0.000	0.000	OK
55.000	60 min Summer	37	DF324	PS6	0.015	0.758	0.684	0.027	OK
54.003	60 min Summer	38	PS6	S71	0.011	1.103	0.683	0.012	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
30.009	600 min Winter	555	S71	S72	0.281	0.651	11.837	0.080	OK
56.000	15 min Winter	0	RE319A	PS285	0.000	0.000	0.000	0.000	OK
57.000	15 min Summer	8	GY319	PS285	0.025	0.557	1.058	0.064	OK
56.001	15 min Summer	8	PS285	PS286	0.039	0.293	1.046	0.055	OK
58.000	15 min Summer	8	RE319B	PS286	0.029	0.903	1.743	0.190	OK
59.000	15 min Summer	8	RWP319D	PS286	0.002	0.000	0.000	0.000	OK
56.002	15 min Summer	8	PS286	PS283	0.053	0.806	4.512	0.273	OK
60.000	15 min Winter	0	RE320A	PS288	0.000	0.000	0.000	0.000	OK
61.000	15 min Summer	8	GY320	PS288	0.026	0.508	1.051	0.068	OK
60.001	15 min Summer	9	PS288	PS283	0.040	0.279	1.038	0.067	OK
62.000	15 min Summer	9	RWP320D	PS283	0.002	0.000	0.000	0.000	OK
56.003	15 min Summer	9	PS283	S72	0.053	0.986	5.544	0.273	OK
63.000	15 min Winter	0	GY279	S72	0.000	0.000	0.000	0.000	OK
30.010	240 min Summer	191	S72	S164	0.375	1.156	67.190	0.535	Surcharged
30.011	180 min Summer	109	S164	S163	0.375	1.750	173.558	0.523	Surcharged
1.014	120 min Summer	70	S163	S161	0.375	0.538	27.305	0.124	Surcharged
1.015	120 min Summer	698	S161	S162	0.032	0.853	2.999	0.045	OK

Permeable Paving Storage

Permeable Paving	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
Permeable Paving1	30 min Summer	22	5.716	0.020	0.482		OK
Permeable Paving2	30 min Summer	22	5.583	0.020	0.480		OK
Permeable Paving3	30 min Summer	22	5.509	0.018	0.389		OK
Permeable Paving4	30 min Summer	22	5.339	0.020	0.479		OK
Permeable Paving23	30 min Summer	22	5.440	0.017	0.310		OK
Permeable Paving22	120 min Summer	69	5.557	0.025	0.871		OK
Permeable Paving21	60 min Summer	37	5.382	0.021	0.680		OK
Permeable Paving19	60 min Summer	39	5.192	0.030	1.247		OK
Permeable Paving20	30 min Summer	22	5.351	0.017	0.322		OK
Permeable Paving6	30 min Summer	22	5.190	0.017	0.345		OK
Permeable Paving5	30 min Summer	22	5.018	0.017	0.347		OK
Permeable Paving18	120 min Summer	68	5.693	0.023	0.739		OK
Permeable Paving8	120 min Summer	69	5.139	0.025	0.843		OK
Permeable Paving7	30 min Summer	22	5.285	0.019	0.463		OK
Permeable Paving11	30 min Summer	22	5.132	0.017	0.345		OK
Permeable Paving10	30 min Summer	22	5.133	0.017	0.347		OK
Permeable Paving9	60 min Summer	37	5.109	0.021	0.694		OK
Permeable Paving12	60 min Summer	37	4.917	0.021	0.696		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
RWP337B	15 min Summer	9	5.635	0.035	0.158		OK
RE337A	15 min Summer	9	5.635	0.085	5.745		OK
RWP335D	-	0	5.600	0.000	0.000		OK
PS227	15 min Summer	10	5.565	0.140	5.176		Surcharged
RE334A	15 min Summer	9	5.672	0.072	5.745		OK
RWP334A	-	0	5.600	0.000	0.000		OK
PS222	15 min Summer	10	5.580	0.130	5.064		Surcharged
PS223	15 min Summer	10	5.480	0.180	10.533		Surcharged
RWP337A	-	0	5.600	0.000	0.000		OK
RE337B	-	0	5.550	0.000	0.000		OK
PS224	15 min Summer	10	5.314	0.064	10.557		OK
S104	15 min Summer	8	5.460	0.035	9.243		OK
S80	15 min Summer	10	4.614	0.139	18.263		OK
S81	15 min Summer	10	4.610	0.195	24.276		OK
S107	30 min Summer	23	5.317	0.017	1.298		OK
S105	30 min Summer	23	5.235	0.014	1.113		OK
S106	15 min Summer	10	4.571	0.262	41.657		Surcharged
S108	30 min Summer	23	5.067	0.017	1.297		OK
S82	15 min Summer	10	4.281	0.163	42.629		OK
S83	720 min Winter	702	4.281	0.281	0.366		Surcharged
S153	720 min Winter	699	4.281	0.331	0.142		OK
S154	720 min Winter	699	4.281	0.351	0.147		OK
S165	720 min Winter	698	4.281	0.391	0.106		Surcharged
S152	720 min Winter	702	4.281	0.431	0.544		Surcharged
S150	720 min Winter	701	4.281	0.556	0.555		Surcharged
RWP338B	15 min Summer	10	5.601	0.151	0.000		Surcharged
RE338A	15 min Summer	10	5.601	0.201	8.272		Surcharged
DF341	30 min Summer	22	5.264	0.014	0.943		OK
PS336	15 min Summer	10	5.169	0.069	8.857		OK
DF338	60 min Summer	41	5.389	0.029	2.046		OK
PS31	60 min Summer	41	5.209	0.034	2.047		OK
PS32	15 min Summer	9	5.040	0.090	11.549		OK
RWP342B	-	0	5.300	0.000	0.000		OK
PS33	15 min Summer	10	4.750	0.050	11.438		OK
S130	15 min Summer	10	4.424	0.299	11.458		Surcharged
RWP343A	15 min Summer	8	5.342	0.042	0.044		OK
RE343B	15 min Summer	8	5.342	0.067	5.243		OK
PS232	15 min Summer	8	5.216	0.066	5.155		OK
RE343A	-	0	5.300	0.000	0.000		OK
RWP344D	-	0	5.300	0.000	0.000		OK
PS233	15 min Summer	9	5.047	0.047	5.129		OK
DF344	30 min Summer	24	5.275	0.025	1.525		OK
RE345A	-	0	5.250	0.000	0.000		OK
PS29	15 min Summer	9	4.879	0.029	5.175		OK
S129	15 min Summer	10	4.414	0.364	45.528		Surcharged
RE345B	15 min Summer	9	5.366	0.116	7.222		Surcharged
PS243	15 min Summer	9	5.183	0.083	7.243		OK
DF347	30 min Summer	24	5.013	0.038	2.343		OK
PS240	-	0	5.250	0.000	0.000		OK
PS27	15 min Summer	10	4.885	0.035	7.704		OK
DF348	-	0	4.950	0.000	0.000		OK
RE348A	-	0	5.075	0.000	0.000		OK
RWP348B	-	0	5.075	0.000	0.000		OK
PS25	-	0	4.850	0.000	0.000		OK
S128	720 min Winter	700	4.281	0.356	0.485		Surcharged
RE348B	15 min Summer	8	5.168	0.093	7.541		OK
PS238	15 min Summer	9	4.972	0.072	7.374		OK
PS239	15 min Summer	9	4.749	0.049	7.400		OK
RE349A	-	0	5.075	0.000	0.000		OK
DF350	30 min Summer	22	5.014	0.014	1.023		OK
PS200	15 min Summer	9	4.534	0.055	7.445		OK
S109(D)	30 min Summer	23	4.745	0.020	1.017		OK
S92	720 min Winter	700	4.281	0.606	0.665		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S93	720 min Winter	700	4.281	0.656	0.666		Surcharged
S86	720 min Winter	700	4.281	0.681	1.213		Surcharged
S87	720 min Winter	704	4.281	0.731	1.319		Surcharged
RWP301A	-	0	5.700	0.000	0.000		OK
RE301A	-	0	5.675	0.000	0.000		OK
PS363	15 min Summer	8	5.649	0.079	6.000		OK
RWP301C	-	0	5.650	0.000	0.000		OK
RE302A	-	0	5.600	0.000	0.000		OK
RWP302B	-	0	5.650	0.000	0.000		OK
PS365	-	0	5.540	0.000	0.000		OK
DF302	60 min Summer	37	5.527	0.027	2.031		OK
PS362	15 min Summer	9	5.443	0.073	7.331		OK
S69	15 min Summer	9	4.899	0.199	35.170		OK
S98	15 min Summer	9	4.674	0.174	64.448		OK
RE333B	-	0	5.150	0.000	0.000		OK
PS273	-	0	4.700	0.000	0.000		OK
RWP333B	-	0	5.150	0.000	0.000		OK
RE333A	-	0	5.100	0.000	0.000		OK
DF330	60 min Summer	41	4.947	0.022	1.997		OK
DF331	30 min Summer	23	5.114	0.014	1.264		OK
PS274	30 min Summer	25	4.526	0.046	3.177		OK
S70	15 min Summer	9	4.405	0.225	99.594		OK
RE309B	-	0	5.350	0.000	0.000		OK
RWP312B	-	0	5.375	0.000	0.000		OK
PS260	-	0	5.155	0.000	0.000		OK
RE309A	-	0	5.350	0.000	0.000		OK
RWP312A	-	0	5.375	0.000	0.000		OK
PS261	-	0	4.985	0.000	0.000		OK
PS206	30 min Summer	22	4.965	0.015	1.022		OK
S117	15 min Summer	9	4.369	0.289	108.468		OK
RE330B	15 min Summer	8	4.942	0.072	5.340		OK
PS20	15 min Summer	9	4.745	0.070	5.161		OK
RWP330A	15 min Summer	8	4.959	0.034	0.028		OK
RE330A	15 min Summer	8	4.959	0.059	5.874		OK
S115	30 min Summer	22	4.915	0.015	1.024		OK
PS23	15 min Summer	9	4.576	0.076	10.972		OK
RWP325C	-	0	4.925	0.000	0.000		OK
ACO325	-	0	4.895	0.000	0.000		OK
RE325A	-	0	4.870	0.000	0.000		OK
PS16	-	0	4.800	0.000	0.000		OK
RWP325B	-	0	4.925	0.000	0.000		OK
RE325B	15 min Summer	8	4.899	0.049	7.540		OK
DF326	30 min Summer	24	4.868	0.018	1.546		OK
PS10	15 min Summer	8	4.471	0.071	18.459		OK
S114	15 min Summer	9	4.357	0.372	133.057		OK
YG313	15 min Summer	8	5.218	0.068	9.925		OK
YG316	-	0	5.080	0.000	0.000		OK
PS257	15 min Summer	8	4.883	0.103	12.425		OK
RE313A	-	0	5.300	0.000	0.000		OK
RE318B	-	0	5.025	0.000	0.000		OK
PS258	15 min Summer	9	4.798	0.103	12.138		OK
RWP324A	-	0	4.925	0.000	0.000		OK
RE324A	-	0	4.900	0.000	0.000		OK
PS5	-	0	4.700	0.000	0.000		OK
DF324	30 min Summer	24	4.752	0.027	1.549		OK
PS6	30 min Summer	24	4.517	0.017	1.548		OK
S71	15 min Summer	9	4.296	0.406	179.509		Surcharged
RE319A	-	0	5.000	0.000	0.000		OK
GY319	15 min Summer	8	4.820	0.035	2.017		OK
PS285	15 min Summer	8	4.783	0.033	2.002		OK
RE319B	15 min Summer	8	4.941	0.041	3.316		OK
RWP319D	-	0	5.000	0.000	0.000		OK
PS286	15 min Summer	8	4.726	0.076	8.601		OK
RE320A	-	0	4.775	0.000	0.000		OK
GY320	15 min Summer	8	4.686	0.036	2.006		OK
PS288	15 min Summer	8	4.656	0.036	1.990		OK
RWP320D	-	0	4.800	0.000	0.000		OK
PS283	15 min Summer	8	4.626	0.076	10.516		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
GY279	-	0	4.615	0.000	0.000		OK
S72	720 min Winter	690	4.286	0.636	1.773		Surcharged
S164	720 min Winter	700	4.282	0.682	0.691		Surcharged
S163	720 min Winter	704	4.281	0.781	4.880		Surcharged
S161	720 min Summer	720	4.285	0.835	1.466		Surcharged
S162	960 min Winter	3173	3.432	0.032	2.999		Outfall

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
1.000	15 min Summer	11	RWP337B	RE337A	0.060	0.163	0.376	0.029	OK
1.001	15 min Summer	9	RE337A	PS227	0.093	0.891	5.755	0.927	OK
2.000	15 min Summer	8	RWP335D	PS227	0.050	0.000	0.000	0.000	OK
1.002	15 min Winter	10	PS227	PS223	0.100	0.675	5.019	0.803	Surcharged
3.000	15 min Summer	9	RE334A	PS222	0.086	0.958	5.954	0.852	OK
4.000	15 min Summer	9	RWP334A	PS222	0.050	0.000	0.000	0.000	OK
3.001	15 min Summer	9	PS222	PS223	0.100	0.713	5.403	0.843	Surcharged
1.003	15 min Summer	10	PS223	PS224	0.082	1.535	10.557	1.723	OK
5.000	15 min Summer	0	RWP337A	RE337B	0.000	0.000	0.000	0.000	OK
5.001	15 min Summer	10	RE337B	PS224	0.032	0.000	0.000	0.000	OK
1.004	15 min Summer	10	PS224	S80	0.064	2.004	10.556	0.732	OK
6.000	15 min Summer	10	S104	S80	0.048	2.929	9.227	0.118	OK
1.005	15 min Summer	10	S80	S81	0.167	0.805	18.888	0.482	OK
1.006	15 min Summer	11	S81	S106	0.210	0.751	24.803	0.694	OK
7.000	15 min Summer	16	S107	S106	0.080	1.131	1.172	0.025	OK
8.000	15 min Summer	16	S105	S106	0.080	1.359	1.018	0.016	OK
1.007	15 min Summer	10	S106	S82	0.194	1.176	42.396	1.232	OK
9.000	15 min Summer	16	S108	S82	0.049	1.187	1.172	0.023	OK
1.008	720 min Winter	702	S82	S83	0.194	0.812	5.628	0.119	OK
1.009	480 min Summer	331	S83	S152	0.225	1.060	22.216	0.373	OK
10.000	720 min Winter	699	S153	S154	0.341	0.393	1.634	0.012	OK
10.001	720 min Winter	699	S154	S165	0.363	0.334	1.548	0.014	OK
10.002	480 min Summer	449	S165	S152	0.375	0.228	2.062	0.020	Surcharged
1.010	240 min Winter	222	S152	S150	0.375	0.528	9.113	0.085	Surcharged
1.011	60 min Winter	71	S150	S86	0.375	0.053	5.811	0.055	Surcharged
11.000	15 min Winter	11	RWP338B	RE338A	0.100	0.189	1.171	0.088	Surcharged
11.001	15 min Summer	10	RE338A	PS336	0.096	1.115	8.624	1.234	OK
12.000	30 min Summer	22	DF341	PS336	0.039	0.479	0.942	0.018	OK
11.002	15 min Summer	10	PS336	PS32	0.079	0.941	8.848	0.440	OK
13.000	60 min Summer	41	DF338	PS31	0.031	0.760	2.047	0.082	OK
13.001	30 min Summer	26	PS31	PS32	0.055	0.481	1.999	0.111	OK
11.003	15 min Summer	9	PS32	PS33	0.070	1.419	11.439	0.621	OK
14.000	15 min Summer	10	RWP342B	PS33	0.000	0.000	0.000	0.000	OK
11.004	15 min Summer	10	PS33	S130	0.100	1.894	11.458	0.243	OK
11.005	30 min Summer	19	S130	S129	0.225	0.470	13.796	0.398	OK
15.000	15 min Summer	11	RWP343A	RE343B	0.055	0.174	0.428	0.048	OK
15.001	15 min Summer	8	RE343B	PS232	0.067	0.930	5.155	0.799	OK
15.002	15 min Summer	9	PS232	PS233	0.056	1.130	5.129	0.749	OK
16.000	15 min Summer	9	RE343A	PS233	0.023	0.000	0.000	0.000	OK
17.000	15 min Summer	9	RWP344D	PS233	0.023	0.000	0.000	0.000	OK
15.003	15 min Summer	9	PS233	PS29	0.047	1.433	5.153	0.446	OK
18.000	30 min Summer	24	DF344	PS29	0.025	0.969	1.525	0.142	OK
19.000	15 min Summer	0	RE345A	PS29	0.000	0.000	0.000	0.000	OK
15.004	15 min Summer	9	PS29	S129	0.090	1.649	5.179	0.082	OK
11.006	15 min Winter	9	S129	S128	0.225	1.093	43.467	1.199	OK
20.000	15 min Summer	9	RE345B	PS243	0.092	0.997	7.243	1.117	OK
20.001	15 min Summer	9	PS243	PS27	0.085	1.030	7.190	1.022	OK
21.000	30 min Summer	24	DF347	PS27	0.033	0.836	2.344	0.131	OK
22.000	15 min Summer	0	PS240	PS27	0.000	0.000	0.000	0.000	OK
20.002	15 min Summer	10	PS27	S128	0.093	1.957	7.681	0.122	OK
23.000	15 min Summer	0	DF348	PS25	0.000	0.000	0.000	0.000	OK
24.000	15 min Summer	0	RE348A	PS25	0.000	0.000	0.000	0.000	OK
25.000	15 min Summer	0	RWP348B	PS25	0.000	0.000	0.000	0.000	OK
23.001	15 min Summer	8	PS25	S128	0.075	0.000	0.000	0.000	OK
11.007	180 min Summer	121	S128	S92	0.225	0.993	24.768	0.679	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
26.000	15 min Summer	8	RE348B	PS238	0.082	1.075	7.389	1.093	OK
26.001	15 min Summer	9	PS238	PS239	0.061	1.486	7.400	0.836	OK
26.002	15 min Summer	9	PS239	PS200	0.049	1.928	7.409	0.486	OK
27.000	15 min Summer	9	RE349A	PS200	0.002	0.000	0.000	0.000	OK
28.000	30 min Summer	22	DF350	PS200	0.031	0.630	1.022	0.019	OK
26.003	15 min Summer	9	PS200	S92	0.055	1.279	7.445	0.286	OK
29.000	30 min Summer	23	S109(D)	S92	0.020	0.743	1.022	0.037	OK
11.008	60 min Winter	42	S92	S93	0.375	0.936	45.100	0.401	Surcharged
11.009	30 min Winter	24	S93	S86	0.375	1.394	59.108	0.488	Surcharged
1.012	30 min Winter	23	S86	S87	0.375	0.585	24.285	0.208	Surcharged
1.013	15 min Winter	14	S87	S163	0.375	0.958	46.761	0.476	Surcharged
30.000	15 min Summer	0	RWP301A	RE301A	0.000	0.000	0.000	0.000	OK
30.001	15 min Summer	8	RE301A	PS363	0.039	0.000	0.000	0.000	OK
30.002	15 min Summer	8	PS363	PS362	0.079	0.892	5.902	0.970	OK
31.000	15 min Summer	0	RWP301C	RE302A	0.000	0.000	0.000	0.000	OK
31.001	15 min Summer	0	RE302A	PS365	0.000	0.000	0.000	0.000	OK
32.000	15 min Summer	0	RWP302B	PS365	0.000	0.000	0.000	0.000	OK
31.002	15 min Summer	9	PS365	PS362	0.012	0.000	0.000	0.000	OK
33.000	15 min Summer	16	DF302	PS362	0.048	0.645	1.580	0.055	OK
30.003	15 min Summer	9	PS362	S69	0.073	0.859	7.375	0.489	OK
30.004	15 min Summer	9	S69	S98	0.178	1.052	35.563	1.136	OK
30.005	15 min Summer	9	S98	S70	0.174	1.525	64.906	0.657	OK
34.000	15 min Summer	0	RE333B	PS273	0.000	0.000	0.000	0.000	OK
34.001	15 min Summer	0	PS273	PS274	0.000	0.000	0.000	0.000	OK
35.000	15 min Summer	0	RWP333B	RE333A	0.000	0.000	0.000	0.000	OK
35.001	15 min Summer	0	RE333A	PS274	0.000	0.000	0.000	0.000	OK
36.000	60 min Summer	41	DF330	PS274	0.034	0.673	1.998	0.047	OK
37.000	30 min Summer	24	DF331	PS274	0.030	0.530	1.264	0.017	OK
34.002	30 min Summer	25	PS274	S70	0.046	0.701	3.181	0.204	OK
30.006	15 min Summer	9	S70	S117	0.257	1.375	99.203	0.583	OK
38.000	15 min Summer	0	RE309B	PS260	0.000	0.000	0.000	0.000	OK
39.000	15 min Summer	0	RWP312B	PS260	0.000	0.000	0.000	0.000	OK
38.001	15 min Summer	0	PS260	PS261	0.000	0.000	0.000	0.000	OK
40.000	15 min Summer	0	RE309A	PS261	0.000	0.000	0.000	0.000	OK
41.000	15 min Summer	0	RWP312A	PS261	0.000	0.000	0.000	0.000	OK
38.002	15 min Summer	0	PS261	S117	0.000	0.000	0.000	0.000	OK
42.000	15 min Summer	15	PS206	S117	0.033	1.073	0.941	0.020	OK
30.007	15 min Summer	9	S117	S114	0.330	1.232	105.985	0.647	OK
43.000	15 min Summer	8	RE330B	PS20	0.071	0.889	5.294	0.865	OK
43.001	15 min Summer	9	PS20	PS23	0.070	0.887	5.235	0.852	OK
44.000	15 min Summer	11	RWP330A	RE330A	0.047	0.111	0.215	0.029	OK
44.001	15 min Summer	8	RE330A	PS23	0.059	1.197	5.786	0.659	OK
45.000	30 min Summer	22	S115	PS23	0.040	0.498	1.022	0.020	OK
43.002	15 min Summer	9	PS23	PS10	0.074	1.275	10.997	0.521	OK
46.000	15 min Summer	0	RWP325C	RE325A	0.000	0.000	0.000	0.000	OK
47.000	15 min Summer	0	ACO325	RE325A	0.000	0.000	0.000	0.000	OK
46.001	15 min Summer	0	RE325A	PS16	0.000	0.000	0.000	0.000	OK
46.002	15 min Summer	8	PS16	PS10	0.011	0.000	0.000	0.000	OK
48.000	15 min Summer	8	RWP325B	RE325B	0.025	0.000	0.000	0.000	OK
48.001	15 min Summer	8	RE325B	PS10	0.049	1.959	7.516	0.484	OK
49.000	30 min Summer	24	DF326	PS10	0.039	0.724	1.545	0.032	OK
43.003	15 min Summer	9	PS10	S114	0.109	2.166	18.402	0.458	OK
30.008	15 min Summer	10	S114	S71	0.373	1.247	134.228	0.859	OK
50.000	15 min Summer	8	YG313	PS257	0.086	0.948	9.874	0.430	OK
51.000	15 min Summer	8	YG316	PS257	0.051	0.000	0.000	0.000	OK
50.001	15 min Summer	9	PS257	PS258	0.103	0.953	12.255	0.825	OK
52.000	15 min Summer	9	RE313A	PS258	0.027	0.000	0.000	0.000	OK
53.000	15 min Summer	9	RE318B	PS258	0.027	0.000	0.000	0.000	OK
50.002	15 min Summer	9	PS258	S71	0.103	0.948	12.273	0.839	OK
54.000	15 min Summer	0	RWP324A	RE324A	0.000	0.000	0.000	0.000	OK
54.001	15 min Summer	0	RE324A	PS5	0.000	0.000	0.000	0.000	OK
54.002	15 min Summer	0	PS5	PS6	0.000	0.000	0.000	0.000	OK
55.000	30 min Summer	24	DF324	PS6	0.022	0.971	1.548	0.062	OK
54.003	480 min Winter	383	PS6	S71	0.077	0.907	0.361	0.006	OK
30.009	480 min Summer	413	S71	S72	0.375	0.621	32.973	0.224	Surcharged
56.000	15 min Summer	0	RE319A	PS285	0.000	0.000	0.000	0.000	OK
57.000	15 min Summer	8	GY319	PS285	0.034	0.672	2.002	0.120	OK
56.001	15 min Summer	8	PS285	PS286	0.054	0.345	1.988	0.105	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
58.000	15 min Summer	8	RE319B	PS286	0.041	1.077	3.297	0.358	OK
59.000	15 min Summer	8	RWP319D	PS286	0.013	0.000	0.000	0.000	OK
56.002	15 min Summer	8	PS286	PS283	0.076	0.952	8.542	0.517	OK
60.000	15 min Summer	0	RE320A	PS288	0.000	0.000	0.000	0.000	OK
61.000	15 min Summer	8	GY320	PS288	0.036	0.612	1.990	0.128	OK
60.001	15 min Summer	8	PS288	PS283	0.056	0.330	1.974	0.127	OK
62.000	15 min Summer	8	RWP320D	PS283	0.013	0.000	0.000	0.000	OK
56.003	15 min Summer	9	PS283	S72	0.076	1.167	10.453	0.516	OK
63.000	15 min Summer	0	GY279	S72	0.000	0.000	0.000	0.000	OK
30.010	30 min Winter	27	S72	S164	0.375	1.809	147.279	1.174	Surcharged
30.011	120 min Summer	63	S164	S163	0.375	2.277	169.771	0.512	Surcharged
1.014	30 min Summer	18	S163	S161	0.375	0.522	35.626	0.162	Surcharged
1.015	960 min Winter	3173	S161	S162	0.032	0.853	2.999	0.045	OK

Permeable Paving Storage

Permeable Paving	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
Permeable Paving1	30 min Summer	23	5.729	0.033	1.312		OK
Permeable Paving2	30 min Summer	23	5.596	0.033	1.309		OK
Permeable Paving3	30 min Summer	23	5.520	0.029	1.060		OK
Permeable Paving4	30 min Summer	23	5.352	0.032	1.307		OK
Permeable Paving23	30 min Summer	22	5.450	0.026	0.937		OK
Permeable Paving22	60 min Summer	41	5.576	0.044	2.015		OK
Permeable Paving21	30 min Summer	24	5.397	0.036	1.510		OK
Permeable Paving19	30 min Summer	24	5.209	0.048	2.229		OK
Permeable Paving20	30 min Summer	22	5.361	0.027	0.973		OK
Permeable Paving6	30 min Summer	22	5.200	0.028	1.045		OK
Permeable Paving5	30 min Summer	22	5.028	0.028	1.047		OK
Permeable Paving18	30 min Summer	25	5.710	0.039	1.644		OK
Permeable Paving8	60 min Summer	41	5.157	0.043	1.948		OK
Permeable Paving7	30 min Summer	23	5.298	0.032	1.261		OK
Permeable Paving11	30 min Summer	22	5.142	0.028	1.043		OK
Permeable Paving10	30 min Summer	22	5.143	0.028	1.046		OK
Permeable Paving9	30 min Summer	24	5.125	0.037	1.540		OK
Permeable Paving12	30 min Summer	24	4.932	0.037	1.544		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
RWP337B	15 min Summer	10	5.741	0.141	0.000		Surcharged
RE337A	15 min Summer	10	5.741	0.191	6.226		Surcharged
RWP335D	15 min Summer	11	5.624	0.024	0.000		OK
PS227	15 min Summer	11	5.623	0.198	5.606		Surcharged
RE334A	15 min Summer	9	5.781	0.181	7.450		Surcharged
RWP334A	15 min Summer	10	5.652	0.052	0.208		OK
PS222	15 min Summer	10	5.652	0.202	6.559		Surcharged
PS223	15 min Summer	11	5.520	0.220	11.732		Surcharged
RWP337A	-	0	5.600	0.000	0.000		OK
RE337B	-	0	5.550	0.000	0.000		OK
PS224	15 min Summer	11	5.319	0.069	11.795		OK
S104	15 min Summer	8	5.465	0.040	12.030		OK
S80	15 min Summer	10	4.781	0.306	21.737		Surcharged
S81	15 min Summer	10	4.763	0.348	29.033		Surcharged
S107	30 min Summer	22	5.320	0.020	1.763		OK
S105	30 min Summer	22	5.237	0.016	1.515		OK
S106	15 min Summer	10	4.696	0.388	51.379		Surcharged
S108	30 min Summer	22	5.069	0.019	1.761		OK
S82	960 min Winter	932	4.407	0.289	0.359		Surcharged
S83	960 min Winter	932	4.407	0.407	0.361		Surcharged
S153	960 min Winter	929	4.407	0.457	0.152		Surcharged
S154	960 min Winter	930	4.407	0.477	0.268		Surcharged
S165	960 min Winter	930	4.407	0.517	0.271		Surcharged
S152	960 min Winter	932	4.407	0.557	0.614		Surcharged
S150	960 min Winter	933	4.407	0.682	0.635		Surcharged
RWP338B	15 min Summer	10	5.780	0.330	0.000		Flood Risk
RE338A	15 min Summer	10	5.780	0.380	10.372		Flood Risk
DF341	30 min Summer	21	5.266	0.016	1.276		OK
PS336	15 min Summer	10	5.178	0.078	10.888		OK
DF338	60 min Summer	40	5.393	0.033	2.720		OK
PS31	60 min Summer	40	5.214	0.039	2.721		OK
PS32	30 min Summer	17	5.052	0.102	14.138		OK
RWP342B	-	0	5.300	0.000	0.000		OK
PS33	15 min Summer	10	4.771	0.071	14.248		OK
S130	15 min Summer	10	4.646	0.521	14.178		Surcharged
RWP343A	15 min Summer	8	5.358	0.058	0.081		OK
RE343B	15 min Summer	8	5.358	0.083	6.798		OK
PS232	15 min Summer	9	5.230	0.080	6.626		OK
RE343A	-	0	5.300	0.000	0.000		OK
RWP344D	-	0	5.300	0.000	0.000		OK
PS233	15 min Summer	9	5.054	0.054	6.662		OK
DF344	30 min Summer	23	5.280	0.030	2.072		OK
RE345A	-	0	5.250	0.000	0.000		OK
PS29	15 min Summer	9	4.883	0.033	6.778		OK
S129	15 min Summer	10	4.633	0.583	57.687		Surcharged
RE345B	15 min Summer	9	5.521	0.271	9.365		Flood Risk
PS243	15 min Summer	10	5.266	0.166	8.472		Surcharged
DF347	30 min Summer	23	5.020	0.045	3.284		OK
PS240	-	0	5.250	0.000	0.000		OK
PS27	30 min Summer	19	4.892	0.042	10.810		OK
DF348	-	0	4.950	0.000	0.000		OK
RE348A	-	0	5.075	0.000	0.000		OK
RWP348B	-	0	5.075	0.000	0.000		OK
PS25	-	0	4.850	0.000	0.000		OK
S128	960 min Winter	924	4.407	0.482	0.606		Surcharged
RE348B	15 min Summer	9	5.314	0.239	9.365		Flood Risk
PS238	15 min Summer	9	4.988	0.088	9.256		OK
PS239	15 min Summer	9	4.756	0.056	9.185		OK
RE349A	-	0	5.075	0.000	0.000		OK
DF350	30 min Summer	22	5.016	0.016	1.384		OK
PS200	15 min Summer	10	4.542	0.062	9.518		OK
S109(D)	30 min Summer	22	4.748	0.023	1.385		OK
S92	960 min Winter	932	4.407	0.732	0.638		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S93	960 min Winter	932	4.407	0.782	0.646		Surcharged
S86	960 min Winter	932	4.407	0.807	1.237		Surcharged
S87	960 min Winter	929	4.407	0.857	1.335		Flood Risk
RWP301A	15 min Summer	10	5.704	0.004	0.000		OK
RE301A	15 min Summer	9	5.705	0.030	0.188		OK
PS363	15 min Summer	9	5.705	0.135	7.451		Surcharged
RWP301C	-	0	5.650	0.000	0.000		OK
RE302A	-	0	5.600	0.000	0.000		OK
RWP302B	-	0	5.650	0.000	0.000		OK
PS365	-	0	5.540	0.000	0.000		OK
DF302	60 min Summer	37	5.531	0.031	2.733		OK
PS362	15 min Summer	9	5.454	0.084	9.196		OK
S69	15 min Summer	9	4.999	0.299	45.162		Surcharged
S98	15 min Summer	10	4.769	0.269	73.247		OK
RE333B	-	0	5.150	0.000	0.000		OK
PS273	-	0	4.700	0.000	0.000		OK
RWP333B	-	0	5.150	0.000	0.000		OK
RE333A	-	0	5.100	0.000	0.000		OK
DF330	60 min Summer	40	4.950	0.025	2.654		OK
DF331	30 min Summer	22	5.116	0.016	1.718		OK
PS274	15 min Summer	10	4.670	0.190	0.932		Surcharged
S70	15 min Summer	10	4.666	0.486	111.651		Surcharged
RE309B	-	0	5.350	0.000	0.000		OK
RWP312B	-	0	5.375	0.000	0.000		OK
PS260	-	0	5.155	0.000	0.000		OK
RE309A	-	0	5.350	0.000	0.000		OK
RWP312A	-	0	5.375	0.000	0.000		OK
PS261	-	0	4.985	0.000	0.000		OK
PS206	30 min Summer	22	4.968	0.018	1.382		OK
S117	15 min Summer	10	4.627	0.547	121.500		Surcharged
RE330B	15 min Summer	9	4.973	0.103	6.631		Surcharged
PS20	15 min Summer	10	4.766	0.091	5.998		OK
RWP330A	15 min Summer	8	4.971	0.046	0.047		OK
RE330A	15 min Summer	8	4.971	0.071	7.618		OK
S115	30 min Summer	22	4.917	0.017	1.384		OK
PS23	15 min Summer	10	4.666	0.166	12.907		Surcharged
RWP325C	-	0	4.925	0.000	0.000		OK
ACO325	-	0	4.895	0.000	0.000		OK
RE325A	-	0	4.870	0.000	0.000		OK
PS16	-	0	4.800	0.000	0.000		OK
RWP325B	-	0	4.925	0.000	0.000		OK
RE325B	15 min Summer	8	4.907	0.057	9.778		OK
DF326	30 min Summer	23	4.871	0.021	2.099		OK
PS10	15 min Summer	10	4.630	0.230	21.028		Surcharged
S114	15 min Summer	10	4.580	0.595	151.770		Surcharged
YG313	15 min Summer	8	5.230	0.080	12.871		OK
YG316	-	0	5.080	0.000	0.000		OK
PS257	15 min Summer	8	4.909	0.129	16.116		OK
RE313A	-	0	5.300	0.000	0.000		OK
RE318B	-	0	5.025	0.000	0.000		OK
PS258	15 min Summer	9	4.823	0.128	15.744		OK
RWP324A	-	0	4.925	0.000	0.000		OK
RE324A	-	0	4.900	0.000	0.000		OK
PS5	-	0	4.700	0.000	0.000		OK
DF324	30 min Summer	23	4.756	0.031	2.103		OK
PS6	30 min Summer	23	4.520	0.020	2.103		OK
S71	15 min Summer	10	4.496	0.606	206.208		Surcharged
RE319A	-	0	5.000	0.000	0.000		OK
GY319	15 min Summer	8	4.825	0.040	2.616		OK
PS285	15 min Summer	8	4.787	0.037	2.599		OK
RE319B	15 min Summer	8	4.948	0.048	4.301		OK
RWP319D	-	0	5.000	0.000	0.000		OK
PS286	15 min Summer	8	4.739	0.089	11.162		OK
RE320A	-	0	4.775	0.000	0.000		OK
GY320	15 min Summer	8	4.691	0.041	2.602		OK
PS288	15 min Summer	8	4.661	0.041	2.584		OK
RWP320D	-	0	4.800	0.000	0.000		OK
PS283	15 min Summer	8	4.639	0.089	13.651		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
GY279	-	0	4.615	0.000	0.000		OK
S72	960 min Winter	928	4.407	0.757	1.414		Surcharged
S164	960 min Winter	928	4.407	0.807	1.411		Flood Risk
S163	960 min Winter	928	4.407	0.907	2.731		Flood Risk
S161	960 min Winter	928	4.407	0.957	2.714		Flood Risk
S162	1440 min Summer	4402	3.432	0.032	2.999		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	RWP337B	RE337A	0.100	0.157	0.995	0.076	Surcharged
1.001	15 min Winter	8	RE337A	PS227	0.100	0.905	6.159	0.992	Surcharged
2.000	15 min Summer	12	RWP335D	PS227	0.062	0.041	0.178	0.018	OK
1.002	15 min Winter	10	PS227	PS223	0.100	0.711	5.585	0.894	Surcharged
3.000	15 min Winter	8	RE334A	PS222	0.100	0.971	6.590	0.943	Surcharged
4.000	15 min Summer	12	RWP334A	PS222	0.076	0.135	0.611	0.033	OK
3.001	15 min Winter	10	PS222	PS223	0.100	0.746	5.859	0.914	Surcharged
1.003	15 min Summer	11	PS223	PS224	0.084	1.668	11.795	1.925	OK
5.000	15 min Summer	0	RWP337A	RE337B	0.000	0.000	0.000	0.000	OK
5.001	15 min Summer	11	RE337B	PS224	0.034	0.000	0.000	0.000	OK
1.004	15 min Summer	11	PS224	S80	0.084	2.040	11.799	0.819	OK
6.000	15 min Summer	9	S104	S80	0.095	2.975	12.010	0.154	OK
1.005	30 min Summer	18	S80	S81	0.225	0.817	20.648	0.527	OK
1.006	15 min Winter	11	S81	S106	0.225	0.749	27.556	0.771	OK
7.000	30 min Summer	22	S107	S106	0.084	1.235	1.760	0.037	OK
8.000	30 min Summer	22	S105	S106	0.083	1.425	1.516	0.023	OK
1.007	15 min Summer	10	S106	S82	0.207	1.334	51.124	1.486	OK
9.000	480 min Winter	352	S108	S82	0.078	0.820	0.347	0.007	OK
1.008	360 min Summer	292	S82	S83	0.225	1.154	14.637	0.309	OK
1.009	480 min Summer	273	S83	S152	0.225	1.045	25.441	0.427	OK
10.000	240 min Winter	207	S153	S154	0.375	0.503	3.693	0.027	Surcharged
10.001	180 min Winter	163	S154	S165	0.375	0.448	4.308	0.039	Surcharged
10.002	120 min Winter	109	S165	S152	0.375	0.277	4.386	0.042	Surcharged
1.010	120 min Winter	91	S152	S150	0.375	0.597	14.528	0.135	Surcharged
1.011	60 min Winter	68	S150	S86	0.375	0.070	7.681	0.072	Surcharged
11.000	15 min Winter	13	RWP338B	RE338A	0.100	0.507	2.713	0.205	Surcharged
11.001	15 min Summer	10	RE338A	PS336	0.098	1.342	10.475	1.498	OK
12.000	15 min Summer	14	DF341	PS336	0.045	0.739	1.196	0.023	OK
11.002	15 min Summer	10	PS336	PS32	0.089	1.003	10.859	0.540	OK
13.000	60 min Summer	40	DF338	PS31	0.036	0.825	2.721	0.109	OK
13.001	30 min Summer	25	PS31	PS32	0.065	0.534	2.704	0.151	OK
11.003	15 min Summer	10	PS32	PS33	0.086	1.460	14.248	0.773	OK
14.000	15 min Summer	10	RWP342B	PS33	0.011	0.000	0.000	0.000	OK
11.004	15 min Summer	11	PS33	S130	0.111	2.029	14.288	0.303	OK
11.005	30 min Summer	20	S130	S129	0.225	0.467	17.350	0.501	OK
15.000	15 min Summer	11	RWP343A	RE343B	0.071	0.154	0.377	0.042	OK
15.001	15 min Summer	9	RE343B	PS232	0.081	0.969	6.626	1.027	OK
15.002	15 min Summer	9	PS232	PS233	0.067	1.188	6.662	0.973	OK
16.000	15 min Summer	9	RE343A	PS233	0.027	0.000	0.000	0.000	OK
17.000	15 min Summer	9	RWP344D	PS233	0.027	0.000	0.000	0.000	OK
15.003	15 min Summer	9	PS233	PS29	0.054	1.527	6.678	0.577	OK
18.000	30 min Summer	23	DF344	PS29	0.030	1.058	2.072	0.193	OK
19.000	15 min Summer	0	RE345A	PS29	0.000	0.000	0.000	0.000	OK
15.004	15 min Summer	9	PS29	S129	0.092	1.751	6.772	0.108	OK
11.006	15 min Winter	9	S129	S128	0.225	1.361	54.119	1.493	OK
20.000	15 min Winter	9	RE345B	PS243	0.100	1.043	8.193	1.264	Surcharged
20.001	15 min Summer	10	PS243	PS27	0.095	1.098	8.477	1.205	OK
21.000	30 min Summer	23	DF347	PS27	0.039	0.922	3.286	0.184	OK
22.000	15 min Summer	0	PS240	PS27	0.000	0.000	0.000	0.000	OK
20.002	30 min Summer	19	PS27	S128	0.096	1.497	10.840	0.173	OK
23.000	15 min Summer	0	DF348	PS25	0.000	0.000	0.000	0.000	OK
24.000	15 min Summer	0	RE348A	PS25	0.000	0.000	0.000	0.000	OK
25.000	15 min Summer	0	RWP348B	PS25	0.000	0.000	0.000	0.000	OK
23.001	15 min Summer	7	PS25	S128	0.075	0.000	0.000	0.000	OK
11.007	30 min Winter	21	S128	S92	0.225	1.435	55.288	1.517	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
26.000	15 min Summer	9	RE348B	PS238	0.094	1.207	9.256	1.369	OK
26.001	15 min Summer	9	PS238	PS239	0.072	1.524	9.185	1.038	OK
26.002	15 min Summer	9	PS239	PS200	0.056	2.029	9.162	0.601	OK
27.000	15 min Summer	10	RE349A	PS200	0.006	0.000	0.000	0.000	OK
28.000	30 min Summer	22	DF350	PS200	0.036	0.672	1.386	0.025	OK
26.003	15 min Summer	10	PS200	S92	0.063	1.368	9.545	0.367	OK
29.000	960 min Winter	924	S109(D)	S92	0.043	0.407	0.143	0.005	OK
11.008	30 min Winter	21	S92	S93	0.375	1.162	77.604	0.691	Surcharged
11.009	15 min Winter	13	S93	S86	0.375	1.751	85.466	0.706	Surcharged
1.012	15 min Winter	13	S86	S87	0.375	0.591	33.062	0.283	Surcharged
1.013	15 min Winter	11	S87	S163	0.375	0.999	53.162	0.541	Surcharged
30.000	15 min Summer	10	RWP301A	RE301A	0.016	0.075	0.028	0.003	OK
30.001	15 min Summer	10	RE301A	PS363	0.065	0.102	0.509	0.084	OK
30.002	15 min Summer	9	PS363	PS362	0.093	0.946	7.192	1.182	OK
31.000	15 min Summer	0	RWP301C	RE302A	0.000	0.000	0.000	0.000	OK
31.001	15 min Summer	0	RE302A	PS365	0.000	0.000	0.000	0.000	OK
32.000	15 min Summer	0	RWP302B	PS365	0.000	0.000	0.000	0.000	OK
31.002	15 min Summer	9	PS365	PS362	0.017	0.000	0.000	0.000	OK
33.000	30 min Summer	22	DF302	PS362	0.056	0.667	2.648	0.093	OK
30.003	15 min Summer	9	PS362	S69	0.083	0.904	9.120	0.605	OK
30.004	15 min Summer	10	S69	S98	0.209	1.198	44.886	1.434	OK
30.005	15 min Summer	10	S98	S70	0.284	1.532	82.290	0.833	OK
34.000	15 min Summer	0	RE333B	PS273	0.000	0.000	0.000	0.000	OK
34.001	15 min Summer	9	PS273	PS274	0.050	0.000	0.000	0.000	OK
35.000	15 min Summer	0	RWP333B	RE333A	0.000	0.000	0.000	0.000	OK
35.001	15 min Summer	9	RE333A	PS274	0.050	0.000	0.000	0.000	OK
36.000	15 min Summer	17	DF330	PS274	0.081	0.691	2.310	0.054	OK
37.000	15 min Summer	15	DF331	PS274	0.079	0.573	1.554	0.021	OK
34.002	15 min Summer	11	PS274	S70	0.150	0.758	5.387	0.345	Surcharged
30.006	15 min Winter	9	S70	S117	0.375	1.392	109.836	0.646	Surcharged
38.000	15 min Summer	0	RE309B	PS260	0.000	0.000	0.000	0.000	OK
39.000	15 min Summer	0	RWP312B	PS260	0.000	0.000	0.000	0.000	OK
38.001	15 min Summer	0	PS260	PS261	0.000	0.000	0.000	0.000	OK
40.000	15 min Summer	0	RE309A	PS261	0.000	0.000	0.000	0.000	OK
41.000	15 min Summer	0	RWP312A	PS261	0.000	0.000	0.000	0.000	OK
38.002	15 min Summer	0	PS261	S117	0.000	0.000	0.000	0.000	OK
42.000	30 min Summer	22	PS206	S117	0.083	1.202	1.384	0.029	OK
30.007	15 min Winter	9	S117	S114	0.375	1.219	118.057	0.721	Surcharged
43.000	15 min Summer	9	RE330B	PS20	0.095	0.914	6.696	1.094	OK
43.001	15 min Summer	10	PS20	PS23	0.096	0.922	6.633	1.080	OK
44.000	15 min Summer	11	RWP330A	RE330A	0.058	0.180	0.368	0.049	OK
44.001	15 min Summer	10	RE330A	PS23	0.082	1.260	7.501	0.854	OK
45.000	15 min Summer	14	S115	PS23	0.080	0.742	1.287	0.025	OK
43.002	15 min Summer	10	PS23	PS10	0.150	1.295	13.928	0.660	Surcharged
46.000	15 min Summer	0	RWP325C	RE325A	0.000	0.000	0.000	0.000	OK
47.000	15 min Summer	0	ACO325	RE325A	0.000	0.000	0.000	0.000	OK
46.001	15 min Summer	0	RE325A	PS16	0.000	0.000	0.000	0.000	OK
46.002	15 min Summer	9	PS16	PS10	0.050	0.000	0.000	0.000	OK
48.000	15 min Summer	8	RWP325B	RE325B	0.029	0.000	0.000	0.000	OK
48.001	15 min Summer	9	RE325B	PS10	0.078	2.056	9.748	0.628	OK
49.000	30 min Summer	23	DF326	PS10	0.083	0.805	2.099	0.043	OK
43.003	30 min Summer	18	PS10	S114	0.150	2.215	21.509	0.535	Surcharged
30.008	15 min Winter	9	S114	S71	0.375	1.343	148.311	0.949	Surcharged
50.000	15 min Summer	8	YG313	PS257	0.104	0.996	12.809	0.557	OK
51.000	15 min Summer	8	YG316	PS257	0.065	0.000	0.000	0.000	OK
50.001	15 min Summer	9	PS257	PS258	0.128	0.999	15.808	1.064	OK
52.000	15 min Summer	9	RE313A	PS258	0.039	0.000	0.000	0.000	OK
53.000	15 min Summer	9	RE318B	PS258	0.039	0.000	0.000	0.000	OK
50.002	15 min Summer	9	PS258	S71	0.122	1.029	15.849	1.083	OK
54.000	15 min Summer	0	RWP324A	RE324A	0.000	0.000	0.000	0.000	OK
54.001	15 min Summer	0	RE324A	PS5	0.000	0.000	0.000	0.000	OK
54.002	15 min Summer	0	PS5	PS6	0.000	0.000	0.000	0.000	OK
55.000	30 min Summer	23	DF324	PS6	0.025	1.064	2.103	0.084	OK
54.003	60 min Summer	39	PS6	S71	0.084	0.958	2.008	0.035	OK
30.009	15 min Winter	10	S71	S72	0.375	1.868	203.612	1.381	Surcharged
56.000	15 min Summer	0	RE319A	PS285	0.000	0.000	0.000	0.000	OK
57.000	15 min Summer	8	GY319	PS285	0.038	0.725	2.599	0.156	OK
56.001	15 min Summer	8	PS285	PS286	0.063	0.364	2.583	0.136	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
58.000	15 min Summer	8	RE319B	PS286	0.048	1.153	4.278	0.465	OK
59.000	15 min Summer	8	RWP319D	PS286	0.020	0.000	0.000	0.000	OK
56.002	15 min Summer	8	PS286	PS283	0.089	1.012	11.085	0.671	OK
60.000	15 min Summer	0	RE320A	PS288	0.000	0.000	0.000	0.000	OK
61.000	15 min Summer	8	GY320	PS288	0.041	0.659	2.584	0.167	OK
60.001	15 min Summer	8	PS288	PS283	0.065	0.350	2.565	0.165	OK
62.000	15 min Summer	8	RWP320D	PS283	0.020	0.000	0.000	0.000	OK
56.003	15 min Summer	9	PS283	S72	0.089	1.241	13.547	0.668	OK
63.000	960 min Winter	928	GY279	S72	0.016	0.000	0.000	0.000	OK
30.010	15 min Winter	12	S72	S164	0.375	2.320	212.755	1.695	Surcharged
30.011	15 min Winter	12	S164	S163	0.375	3.966	206.036	0.621	Surcharged
1.014	30 min Summer	16	S163	S161	0.375	0.531	49.626	0.226	Surcharged
1.015	1440 min Summer	4402	S161	S162	0.032	0.853	2.999	0.045	OK

Permeable Paving Storage

Permeable Paving	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
Permeable Paving1	30 min Summer	22	5.737	0.040	1.808		OK
Permeable Paving2	30 min Summer	22	5.604	0.040	1.804		OK
Permeable Paving3	30 min Summer	22	5.527	0.036	1.461		OK
Permeable Paving4	30 min Summer	22	5.359	0.040	1.801		OK
Permeable Paving23	30 min Summer	21	5.456	0.032	1.327		OK
Permeable Paving22	60 min Summer	40	5.585	0.053	2.678		OK
Permeable Paving21	30 min Summer	23	5.406	0.044	2.023		OK
Permeable Paving19	30 min Summer	23	5.221	0.060	3.084		OK
Permeable Paving20	30 min Summer	21	5.367	0.033	1.377		OK
Permeable Paving6	30 min Summer	22	5.206	0.034	1.300		OK
Permeable Paving5	30 min Summer	22	5.034	0.034	1.302		OK
Permeable Paving18	30 min Summer	23	5.718	0.048	2.410		OK
Permeable Paving8	60 min Summer	40	5.166	0.052	2.589		OK
Permeable Paving7	30 min Summer	22	5.305	0.039	1.737		OK
Permeable Paving11	30 min Summer	22	5.148	0.034	1.297		OK
Permeable Paving10	30 min Summer	22	5.150	0.034	1.300		OK
Permeable Paving9	30 min Summer	23	5.133	0.045	2.063		OK
Permeable Paving12	30 min Summer	23	4.941	0.045	2.069		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
RWP337B	15 min Summer	10	5.681	0.081	0.000		OK
RE337A	15 min Summer	10	5.681	0.131	5.407		Surcharged
RWP335D	-	0	5.600	0.000	0.000		OK
PS227	15 min Summer	10	5.585	0.160	5.498		Surcharged
RE334A	15 min Summer	9	5.712	0.112	6.429		Surcharged
RWP334A	15 min Summer	10	5.610	0.010	0.039		OK
PS222	15 min Summer	10	5.609	0.159	5.760		Surcharged
PS223	15 min Summer	10	5.494	0.194	11.080		Surcharged
RWP337A	-	0	5.600	0.000	0.000		OK
RE337B	-	0	5.550	0.000	0.000		OK
PS224	15 min Summer	11	5.315	0.065	10.974		OK
S104	15 min Summer	8	5.462	0.037	10.344		OK
S80	15 min Summer	10	4.683	0.208	19.623		OK
S81	15 min Summer	10	4.672	0.257	26.249		Surcharged
S107	30 min Summer	23	5.318	0.018	1.499		OK
S105	30 min Summer	22	5.236	0.015	1.291		OK
S106	15 min Summer	10	4.617	0.308	45.485		Surcharged
S108	30 min Summer	23	5.068	0.018	1.498		OK
S82	720 min Winter	701	4.312	0.194	0.398		OK
S83	720 min Winter	701	4.312	0.312	0.398		Surcharged
S153	720 min Winter	700	4.312	0.362	0.143		OK
S154	720 min Winter	700	4.312	0.382	0.145		Surcharged
S165	720 min Winter	701	4.312	0.422	0.155		Surcharged
S152	720 min Winter	701	4.312	0.462	0.553		Surcharged
S150	720 min Winter	701	4.312	0.587	0.553		Surcharged
RWP338B	15 min Summer	10	5.670	0.220	0.000		Surcharged
RE338A	15 min Summer	10	5.670	0.270	9.121		Surcharged
DF341	30 min Summer	22	5.265	0.015	1.087		OK
PS336	15 min Summer	10	5.173	0.073	9.663		OK
DF338	60 min Summer	40	5.391	0.031	2.373		OK
PS31	60 min Summer	41	5.212	0.037	2.369		OK
PS32	15 min Summer	10	5.045	0.095	12.449		OK
RWP342B	-	0	5.300	0.000	0.000		OK
PS33	15 min Summer	10	4.753	0.053	12.513		OK
S130	15 min Summer	10	4.511	0.386	12.525		Surcharged
RWP343A	15 min Summer	8	5.348	0.048	0.050		OK
RE343B	15 min Summer	8	5.348	0.073	5.866		OK
PS232	15 min Summer	9	5.221	0.071	5.703		OK
RE343A	-	0	5.300	0.000	0.000		OK
RWP344D	-	0	5.300	0.000	0.000		OK
PS233	15 min Summer	9	5.050	0.050	5.742		OK
DF344	30 min Summer	24	5.277	0.027	1.757		OK
RE345A	-	0	5.250	0.000	0.000		OK
PS29	15 min Summer	9	4.881	0.031	5.792		OK
S129	15 min Summer	10	4.499	0.449	50.335		Surcharged
RE345B	15 min Summer	9	5.418	0.168	8.082		Surcharged
PS243	15 min Summer	10	5.210	0.110	7.469		Surcharged
DF347	30 min Summer	23	5.016	0.041	2.760		OK
PS240	-	0	5.250	0.000	0.000		OK
PS27	15 min Summer	11	4.888	0.038	9.038		OK
DF348	-	0	4.950	0.000	0.000		OK
RE348A	-	0	5.075	0.000	0.000		OK
RWP348B	-	0	5.075	0.000	0.000		OK
PS25	-	0	4.850	0.000	0.000		OK
S128	720 min Winter	701	4.312	0.387	0.491		Surcharged
RE348B	15 min Summer	9	5.236	0.161	8.082		Surcharged
PS238	15 min Summer	9	4.977	0.077	8.024		OK
PS239	15 min Summer	9	4.751	0.051	8.008		OK
RE349A	-	0	5.075	0.000	0.000		OK
DF350	30 min Summer	22	5.015	0.015	1.183		OK
PS200	15 min Summer	10	4.537	0.057	8.091		OK
S109(D)	30 min Summer	22	4.746	0.021	1.185		OK
S92	720 min Winter	702	4.312	0.637	0.649		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S93	720 min Winter	702	4.312	0.687	0.647		Surcharged
S86	720 min Winter	702	4.312	0.712	1.226		Surcharged
S87	720 min Winter	702	4.312	0.762	1.318		Surcharged
RWP301A	-	0	5.700	0.000	0.000		OK
RE301A	-	0	5.675	0.000	0.000		OK
PS363	15 min Summer	8	5.660	0.090	6.715		OK
RWP301C	-	0	5.650	0.000	0.000		OK
RE302A	-	0	5.600	0.000	0.000		OK
RWP302B	-	0	5.650	0.000	0.000		OK
PS365	-	0	5.540	0.000	0.000		OK
DF302	60 min Summer	37	5.529	0.029	2.371		OK
PS362	15 min Summer	9	5.448	0.078	8.231		OK
S69	15 min Summer	9	4.938	0.238	39.350		Surcharged
S98	15 min Summer	9	4.689	0.189	71.504		OK
RE333B	-	0	5.150	0.000	0.000		OK
PS273	-	0	4.700	0.000	0.000		OK
RWP333B	-	0	5.150	0.000	0.000		OK
RE333A	-	0	5.100	0.000	0.000		OK
DF330	60 min Summer	40	4.949	0.024	2.317		OK
DF331	30 min Summer	23	5.115	0.015	1.458		OK
PS274	30 min Summer	24	4.529	0.049	3.679		OK
S70	15 min Summer	10	4.497	0.317	99.762		OK
RE309B	-	0	5.350	0.000	0.000		OK
RWP312B	-	0	5.375	0.000	0.000		OK
PS260	-	0	5.155	0.000	0.000		OK
RE309A	-	0	5.350	0.000	0.000		OK
RWP312A	-	0	5.375	0.000	0.000		OK
PS261	-	0	4.985	0.000	0.000		OK
PS206	30 min Summer	22	4.966	0.016	1.182		OK
S117	15 min Summer	10	4.476	0.396	113.453		Surcharged
RE330B	15 min Summer	8	4.949	0.079	5.976		OK
PS20	15 min Summer	9	4.752	0.077	5.783		OK
RWP330A	15 min Summer	8	4.964	0.039	0.031		OK
RE330A	15 min Summer	8	4.964	0.064	6.574		OK
S115	30 min Summer	22	4.916	0.016	1.184		OK
PS23	15 min Summer	9	4.583	0.083	12.291		OK
RWP325C	-	0	4.925	0.000	0.000		OK
ACO325	-	0	4.895	0.000	0.000		OK
RE325A	-	0	4.870	0.000	0.000		OK
PS16	-	0	4.800	0.000	0.000		OK
RWP325B	-	0	4.925	0.000	0.000		OK
RE325B	15 min Summer	8	4.903	0.053	8.438		OK
DF326	30 min Summer	24	4.870	0.020	1.781		OK
PS10	15 min Summer	9	4.498	0.098	20.439		OK
S114	15 min Summer	9	4.434	0.449	140.011		Surcharged
YG313	15 min Summer	8	5.223	0.073	11.107		OK
YG316	-	0	5.080	0.000	0.000		OK
PS257	15 min Summer	8	4.892	0.112	13.905		OK
RE313A	-	0	5.300	0.000	0.000		OK
RE318B	-	0	5.025	0.000	0.000		OK
PS258	15 min Summer	9	4.807	0.112	13.581		OK
RWP324A	-	0	4.925	0.000	0.000		OK
RE324A	-	0	4.900	0.000	0.000		OK
PS5	-	0	4.700	0.000	0.000		OK
DF324	30 min Summer	24	4.754	0.029	1.785		OK
PS6	30 min Summer	24	4.518	0.018	1.787		OK
S71	15 min Summer	9	4.360	0.470	194.298		Surcharged
RE319A	-	0	5.000	0.000	0.000		OK
GY319	15 min Summer	8	4.822	0.037	2.258		OK
PS285	15 min Summer	8	4.785	0.035	2.242		OK
RE319B	15 min Summer	8	4.944	0.044	3.711		OK
RWP319D	-	0	5.000	0.000	0.000		OK
PS286	15 min Summer	8	4.731	0.081	9.628		OK
RE320A	-	0	4.775	0.000	0.000		OK
GY320	15 min Summer	8	4.688	0.038	2.246		OK
PS288	15 min Summer	8	4.658	0.038	2.229		OK
RWP320D	-	0	4.800	0.000	0.000		OK
PS283	15 min Summer	8	4.631	0.081	11.776		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
GY279	-	0	4.615	0.000	0.000		OK
S72	720 min Winter	698	4.314	0.664	1.315		Surcharged
S164	720 min Winter	698	4.312	0.712	2.037		Surcharged
S163	720 min Winter	701	4.312	0.812	4.218		Surcharged
S161	720 min Winter	694	4.318	0.868	2.481		Surcharged
S162	1440 min Winter	3755	3.432	0.032	2.999		Outfall

Conduits

Pipe No.	Critical Storm	Peak (mins)	US Manhole	DS Manhole	Flow Depth (m)	Max Velocity (m/s)	Max Flow (l/s)	Flow / Capacity	Status
1.000	15 min Summer	11	RWP337B	RE337A	0.090	0.174	0.886	0.068	OK
1.001	15 min Summer	9	RE337A	PS227	0.100	0.893	5.904	0.951	Surcharged
2.000	15 min Summer	8	RWP335D	PS227	0.050	0.000	0.000	0.000	OK
1.002	15 min Winter	11	PS227	PS223	0.100	0.671	5.266	0.843	Surcharged
3.000	15 min Summer	9	RE334A	PS222	0.100	0.963	6.284	0.899	Surcharged
4.000	15 min Summer	11	RWP334A	PS222	0.055	0.029	0.121	0.007	OK
3.001	15 min Winter	9	PS222	PS223	0.100	0.707	5.536	0.864	Surcharged
1.003	15 min Summer	11	PS223	PS224	0.083	1.584	10.994	1.794	OK
5.000	15 min Summer	0	RWP337A	RE337B	0.000	0.000	0.000	0.000	OK
5.001	15 min Summer	11	RE337B	PS224	0.033	0.000	0.000	0.000	OK
1.004	15 min Summer	11	PS224	S80	0.074	2.022	11.002	0.763	OK
6.000	15 min Summer	10	S104	S80	0.083	2.867	10.327	0.132	OK
1.005	15 min Summer	10	S80	S81	0.217	0.816	19.746	0.504	OK
1.006	15 min Summer	11	S81	S106	0.225	0.738	26.454	0.740	OK
7.000	30 min Summer	23	S107	S106	0.083	1.206	1.501	0.032	OK
8.000	30 min Summer	22	S105	S106	0.081	1.425	1.289	0.020	OK
1.007	15 min Summer	10	S106	S82	0.199	1.227	45.668	1.327	OK
9.000	720 min Winter	697	S108	S82	0.061	0.703	0.214	0.004	OK
1.008	720 min Winter	701	S82	S83	0.209	0.826	5.056	0.107	OK
1.009	240 min Summer	179	S83	S152	0.225	1.300	26.765	0.449	OK
10.000	720 min Winter	700	S153	S154	0.368	0.396	1.669	0.012	OK
10.001	720 min Summer	678	S154	S165	0.375	0.346	1.866	0.017	Surcharged
10.002	360 min Summer	298	S165	S152	0.375	0.241	2.446	0.024	Surcharged
1.010	180 min Winter	158	S152	S150	0.375	0.551	10.845	0.101	Surcharged
1.011	60 min Winter	69	S150	S86	0.375	0.066	7.266	0.068	Surcharged
11.000	15 min Winter	12	RWP338B	RE338A	0.100	0.310	1.965	0.148	Surcharged
11.001	15 min Summer	10	RE338A	PS336	0.097	1.208	9.381	1.342	OK
12.000	30 min Summer	22	DF341	PS336	0.042	0.491	1.088	0.021	OK
11.002	15 min Summer	10	PS336	PS32	0.084	0.964	9.645	0.480	OK
13.000	60 min Summer	41	DF338	PS31	0.034	0.793	2.371	0.095	OK
13.001	30 min Summer	25	PS31	PS32	0.059	0.507	2.304	0.128	OK
11.003	15 min Summer	10	PS32	PS33	0.074	1.450	12.513	0.679	OK
14.000	15 min Summer	10	RWP342B	PS33	0.001	0.000	0.000	0.000	OK
11.004	15 min Summer	10	PS33	S130	0.101	2.063	12.525	0.266	OK
11.005	30 min Summer	20	S130	S129	0.225	0.488	15.422	0.445	OK
15.000	15 min Summer	11	RWP343A	RE343B	0.061	0.125	0.347	0.039	OK
15.001	15 min Summer	8	RE343B	PS232	0.072	0.950	5.756	0.892	OK
15.002	15 min Summer	9	PS232	PS233	0.060	1.158	5.742	0.839	OK
16.000	15 min Summer	9	RE343A	PS233	0.025	0.000	0.000	0.000	OK
17.000	15 min Summer	9	RWP344D	PS233	0.025	0.000	0.000	0.000	OK
15.003	15 min Summer	9	PS233	PS29	0.050	1.474	5.765	0.498	OK
18.000	30 min Summer	24	DF344	PS29	0.027	1.010	1.760	0.164	OK
19.000	15 min Summer	0	RE345A	PS29	0.000	0.000	0.000	0.000	OK
15.004	15 min Summer	9	PS29	S129	0.090	1.711	5.795	0.092	OK
11.006	30 min Summer	17	S129	S128	0.225	1.204	47.875	1.321	OK
20.000	15 min Summer	9	RE345B	PS243	0.100	1.019	7.850	1.211	Surcharged
20.001	15 min Summer	10	PS243	PS27	0.094	1.040	7.612	1.082	OK
21.000	30 min Summer	23	DF347	PS27	0.035	0.876	2.756	0.155	OK
22.000	15 min Summer	0	PS240	PS27	0.000	0.000	0.000	0.000	OK
20.002	15 min Summer	11	PS27	S128	0.094	1.981	9.092	0.145	OK
23.000	15 min Summer	0	DF348	PS25	0.000	0.000	0.000	0.000	OK
24.000	15 min Summer	0	RE348A	PS25	0.000	0.000	0.000	0.000	OK
25.000	15 min Summer	0	RWP348B	PS25	0.000	0.000	0.000	0.000	OK
23.001	15 min Summer	8	PS25	S128	0.075	0.000	0.000	0.000	OK
11.007	60 min Winter	44	S128	S92	0.225	1.165	37.787	1.037	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
26.000	15 min Summer	9	RE348B	PS238	0.088	1.093	8.024	1.187	OK
26.001	15 min Summer	9	PS238	PS239	0.064	1.506	8.008	0.905	OK
26.002	15 min Summer	9	PS239	PS200	0.051	1.964	7.997	0.524	OK
27.000	15 min Summer	10	RE349A	PS200	0.004	0.000	0.000	0.000	OK
28.000	30 min Summer	22	DF350	PS200	0.033	0.648	1.183	0.022	OK
26.003	15 min Summer	10	PS200	S92	0.057	1.311	8.126	0.312	OK
29.000	30 min Summer	22	S109(D)	S92	0.021	0.777	1.181	0.043	OK
11.008	30 min Winter	24	S92	S93	0.375	1.152	67.188	0.598	Surcharged
11.009	15 min Winter	30	S93	S86	0.375	1.723	77.391	0.640	Surcharged
1.012	15 min Winter	17	S86	S87	0.375	0.607	32.504	0.278	Surcharged
1.013	15 min Winter	12	S87	S163	0.375	0.979	47.472	0.483	Surcharged
30.000	15 min Summer	0	RWP301A	RE301A	0.000	0.000	0.000	0.000	OK
30.001	15 min Summer	8	RE301A	PS363	0.045	0.000	0.000	0.000	OK
30.002	15 min Summer	9	PS363	PS362	0.086	0.914	6.555	1.077	OK
31.000	15 min Summer	0	RWP301C	RE302A	0.000	0.000	0.000	0.000	OK
31.001	15 min Summer	0	RE302A	PS365	0.000	0.000	0.000	0.000	OK
32.000	15 min Summer	0	RWP302B	PS365	0.000	0.000	0.000	0.000	OK
31.002	15 min Summer	9	PS365	PS362	0.014	0.000	0.000	0.000	OK
33.000	15 min Summer	16	DF302	PS362	0.051	0.678	1.817	0.064	OK
30.003	15 min Summer	9	PS362	S69	0.078	0.882	8.246	0.547	OK
30.004	15 min Summer	9	S69	S98	0.195	1.069	39.179	1.252	OK
30.005	15 min Summer	9	S98	S70	0.215	1.545	71.434	0.723	OK
34.000	15 min Summer	0	RE333B	PS273	0.000	0.000	0.000	0.000	OK
34.001	15 min Summer	0	PS273	PS274	0.000	0.000	0.000	0.000	OK
35.000	15 min Summer	0	RWP333B	RE333A	0.000	0.000	0.000	0.000	OK
35.001	15 min Summer	0	RE333A	PS274	0.000	0.000	0.000	0.000	OK
36.000	60 min Summer	40	DF330	PS274	0.036	0.703	2.316	0.054	OK
37.000	30 min Summer	24	DF331	PS274	0.032	0.651	1.460	0.020	OK
34.002	15 min Summer	17	PS274	S70	0.062	0.703	3.212	0.205	OK
30.006	15 min Summer	10	S70	S117	0.346	1.385	107.792	0.634	OK
38.000	15 min Summer	0	RE309B	PS260	0.000	0.000	0.000	0.000	OK
39.000	15 min Summer	0	RWP312B	PS260	0.000	0.000	0.000	0.000	OK
38.001	15 min Summer	0	PS260	PS261	0.000	0.000	0.000	0.000	OK
40.000	15 min Summer	0	RE309A	PS261	0.000	0.000	0.000	0.000	OK
41.000	15 min Summer	0	RWP312A	PS261	0.000	0.000	0.000	0.000	OK
38.002	15 min Summer	0	PS261	S117	0.000	0.000	0.000	0.000	OK
42.000	15 min Summer	15	PS206	S117	0.079	1.116	1.075	0.023	OK
30.007	15 min Summer	10	S117	S114	0.375	1.237	115.458	0.705	Surcharged
43.000	15 min Summer	8	RE330B	PS20	0.078	0.904	5.916	0.967	OK
43.001	15 min Summer	9	PS20	PS23	0.077	0.900	5.863	0.954	OK
44.000	15 min Summer	11	RWP330A	RE330A	0.051	0.112	0.244	0.032	OK
44.001	15 min Summer	8	RE330A	PS23	0.064	1.226	6.478	0.738	OK
45.000	30 min Summer	22	S115	PS23	0.044	0.512	1.184	0.023	OK
43.002	15 min Summer	9	PS23	PS10	0.091	1.260	12.286	0.582	OK
46.000	15 min Summer	0	RWP325C	RE325A	0.000	0.000	0.000	0.000	OK
47.000	15 min Summer	0	ACO325	RE325A	0.000	0.000	0.000	0.000	OK
46.001	15 min Summer	0	RE325A	PS16	0.000	0.000	0.000	0.000	OK
46.002	15 min Summer	9	PS16	PS10	0.024	0.000	0.000	0.000	OK
48.000	15 min Summer	8	RWP325B	RE325B	0.026	0.000	0.000	0.000	OK
48.001	15 min Summer	8	RE325B	PS10	0.052	2.014	8.412	0.542	OK
49.000	15 min Summer	17	DF326	PS10	0.051	0.910	1.566	0.032	OK
43.003	15 min Summer	9	PS10	S114	0.124	2.231	20.255	0.504	OK
30.008	15 min Winter	10	S114	S71	0.375	1.252	136.294	0.873	Surcharged
50.000	15 min Summer	8	YG313	PS257	0.093	0.972	11.051	0.481	OK
51.000	15 min Summer	8	YG316	PS257	0.056	0.000	0.000	0.000	OK
50.001	15 min Summer	9	PS257	PS258	0.112	0.974	13.702	0.922	OK
52.000	15 min Summer	9	RE313A	PS258	0.031	0.000	0.000	0.000	OK
53.000	15 min Summer	9	RE318B	PS258	0.031	0.000	0.000	0.000	OK
50.002	15 min Summer	9	PS258	S71	0.110	0.984	13.721	0.938	OK
54.000	15 min Summer	0	RWP324A	RE324A	0.000	0.000	0.000	0.000	OK
54.001	15 min Summer	0	RE324A	PS5	0.000	0.000	0.000	0.000	OK
54.002	15 min Summer	0	PS5	PS6	0.000	0.000	0.000	0.000	OK
55.000	30 min Summer	24	DF324	PS6	0.023	1.013	1.787	0.072	OK
54.003	30 min Summer	24	PS6	S71	0.082	1.479	1.788	0.031	OK
30.009	240 min Summer	221	S71	S72	0.375	0.794	60.688	0.412	Surcharged
56.000	15 min Summer	0	RE319A	PS285	0.000	0.000	0.000	0.000	OK
57.000	15 min Summer	8	GY319	PS285	0.036	0.695	2.242	0.135	OK
56.001	15 min Summer	8	PS285	PS286	0.058	0.353	2.227	0.118	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
58.000	15 min Summer	8	RE319B	PS286	0.044	1.110	3.690	0.401	OK
59.000	15 min Summer	8	RWP319D	PS286	0.016	0.000	0.000	0.000	OK
56.002	15 min Summer	8	PS286	PS283	0.081	0.978	9.563	0.579	OK
60.000	15 min Summer	0	RE320A	PS288	0.000	0.000	0.000	0.000	OK
61.000	15 min Summer	8	GY320	PS288	0.038	0.632	2.229	0.144	OK
60.001	15 min Summer	8	PS288	PS283	0.060	0.339	2.212	0.142	OK
62.000	15 min Summer	8	RWP320D	PS283	0.016	0.000	0.000	0.000	OK
56.003	15 min Summer	9	PS283	S72	0.081	1.199	11.696	0.577	OK
63.000	15 min Summer	0	GY279	S72	0.000	0.000	0.000	0.000	OK
30.010	30 min Winter	19	S72	S164	0.375	1.836	163.081	1.300	Surcharged
30.011	15 min Winter	14	S164	S163	0.375	3.989	206.853	0.624	Surcharged
1.014	15 min Winter	11	S163	S161	0.375	0.602	54.330	0.248	Surcharged
1.015	1440 min Winter	3755	S161	S162	0.032	0.853	2.999	0.045	OK

Permeable Paving Storage

Permeable Paving	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
Permeable Paving1	30 min Summer	23	5.733	0.036	1.447		OK
Permeable Paving2	30 min Summer	23	5.600	0.036	1.444		OK
Permeable Paving3	30 min Summer	22	5.523	0.032	1.308		OK
Permeable Paving4	30 min Summer	23	5.355	0.036	1.442		OK
Permeable Paving23	30 min Summer	22	5.453	0.029	1.043		OK
Permeable Paving22	60 min Summer	40	5.581	0.049	2.418		OK
Permeable Paving21	30 min Summer	23	5.401	0.040	1.829		OK
Permeable Paving19	30 min Summer	23	5.215	0.054	2.776		OK
Permeable Paving20	30 min Summer	22	5.364	0.029	1.083		OK
Permeable Paving6	30 min Summer	22	5.203	0.031	1.164		OK
Permeable Paving5	30 min Summer	22	5.031	0.031	1.166		OK
Permeable Paving18	30 min Summer	24	5.714	0.043	1.966		OK
Permeable Paving8	60 min Summer	40	5.162	0.048	2.338		OK
Permeable Paving7	30 min Summer	23	5.301	0.035	1.390		OK
Permeable Paving11	30 min Summer	22	5.145	0.031	1.161		OK
Permeable Paving10	30 min Summer	22	5.146	0.031	1.164		OK
Permeable Paving9	30 min Summer	23	5.128	0.040	1.866		OK
Permeable Paving12	30 min Summer	23	4.936	0.040	1.871		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
RWP337B	15 min Summer	10	5.853	0.253	0.196		Surcharged
RE337A	15 min Summer	10	5.853	0.303	7.742		Flood Risk
RWP335D	15 min Summer	11	5.704	0.104	0.217		Surcharged
PS227	15 min Summer	11	5.703	0.278	6.445		Surcharged
RE334A	15 min Summer	10	5.925	0.325	7.742		Flood Risk
RWP334A	15 min Summer	11	5.747	0.147	0.000		Surcharged
PS222	15 min Summer	11	5.747	0.297	6.519		Surcharged
PS223	15 min Summer	11	5.590	0.290	12.656		Surcharged
RWP337A	-	0	5.600	0.000	0.000		OK
RE337B	-	0	5.550	0.000	0.000		OK
PS224	15 min Summer	11	5.392	0.142	12.335		Surcharged
S104	15 min Summer	8	5.469	0.044	15.088		OK
S80	15 min Summer	10	4.956	0.481	24.018		Surcharged
S81	15 min Summer	10	4.936	0.521	33.423		Surcharged
S107	30 min Summer	22	5.323	0.023	2.357		OK
S105	30 min Summer	21	5.239	0.018	2.039		OK
S106	15 min Summer	10	4.853	0.544	61.012		Surcharged
S108	30 min Summer	22	5.072	0.022	2.354		OK
S82	1440 min Winter	1045	4.530	0.412	1.284		Surcharged
S83	1440 min Winter	1045	4.528	0.528	1.231		Surcharged
S153	1440 min Winter	1048	4.527	0.577	0.542		Surcharged
S154	1440 min Winter	1041	4.527	0.597	0.237		Surcharged
S165	1440 min Winter	1045	4.527	0.637	0.025		Surcharged
S152	1440 min Winter	1045	4.528	0.678	1.078		Surcharged
S150	1440 min Winter	1050	4.871	1.146	0.000		Surcharged
RWP338B	15 min Summer	10	5.989	0.539	0.210		Flood Risk
RE338A	15 min Summer	10	5.986	0.586	12.880	0.032	Flood
DF341	30 min Summer	21	5.269	0.019	1.716		OK
PS336	15 min Summer	10	5.187	0.087	12.690		OK
DF338	30 min Summer	23	5.399	0.039	3.626		OK
PS31	30 min Summer	23	5.220	0.045	3.624		OK
PS32	15 min Summer	11	5.090	0.140	16.228		OK
RWP342B	-	0	5.300	0.000	0.000		OK
PS33	15 min Summer	10	4.927	0.227	15.711		Surcharged
S130	15 min Summer	10	4.876	0.751	15.076		Surcharged
RWP343A	15 min Summer	10	5.416	0.116	0.000		Surcharged
RE343B	15 min Summer	10	5.415	0.140	7.037		Surcharged
PS232	15 min Summer	10	5.258	0.108	7.332		Surcharged
RE343A	-	0	5.300	0.000	0.000		OK
RWP344D	-	0	5.300	0.000	0.000		OK
PS233	15 min Summer	9	5.058	0.058	7.362		OK
DF344	30 min Summer	22	5.285	0.035	2.783		OK
RE345A	-	0	5.250	0.000	0.000		OK
PS29	30 min Summer	18	4.887	0.037	8.641		OK
S129	15 min Summer	10	4.863	0.813	68.263		Surcharged
RE345B	15 min Summer	10	5.740	0.490	9.733		Flood Risk
PS243	15 min Summer	10	5.375	0.275	10.232		Surcharged
DF347	30 min Summer	24	5.026	0.051	4.211		OK
PS240	-	0	5.250	0.000	0.000		OK
PS27	30 min Summer	19	4.897	0.047	13.208		OK
DF348	-	0	4.950	0.000	0.000		OK
RE348A	-	0	5.075	0.000	0.000		OK
RWP348B	-	0	5.075	0.000	0.000		OK
PS25	-	0	4.850	0.000	0.000		OK
S128	1440 min Winter	1052	4.547	0.622	0.325		Surcharged
RE348B	15 min Summer	10	5.499	0.424	9.733		Flood Risk
PS238	15 min Summer	10	5.083	0.183	10.547		Surcharged
PS239	15 min Summer	10	4.761	0.061	10.474		OK
RE349A	-	0	5.075	0.000	0.000		OK
DF350	30 min Summer	21	5.019	0.019	1.869		OK
PS200	720 min Summer	607	4.567	0.087	0.179		OK
S109(D)	30 min Summer	21	4.751	0.026	1.871		OK
S92	1440 min Winter	1100	4.548	0.873	1.365		Surcharged

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
S93	600 min Winter	548	4.548	0.923	6.782		Surcharged
S86	1440 min Winter	1098	4.553	0.953	10.083		Surcharged
S87	960 min Winter	781	4.545	0.995	7.441		Flood Risk
RWP301A	15 min Summer	10	5.771	0.071	0.000		OK
RE301A	15 min Summer	10	5.771	0.096	0.210		OK
PS363	15 min Summer	10	5.769	0.199	8.157		Surcharged
RWP301C	-	0	5.650	0.000	0.000		OK
RE302A	-	0	5.600	0.000	0.000		OK
RWP302B	-	0	5.650	0.000	0.000		OK
PS365	-	0	5.540	0.000	0.000		OK
DF302	60 min Summer	36	5.536	0.036	3.651		OK
PS362	15 min Summer	10	5.464	0.094	10.863		OK
S69	15 min Summer	10	5.387	0.687	48.300		Surcharged
S98	15 min Summer	10	5.105	0.605	87.429		Surcharged
RE333B	-	0	5.150	0.000	0.000		OK
PS273	15 min Summer	10	4.939	0.239	1.424		Surcharged
RWP333B	-	0	5.150	0.000	0.000		OK
RE333A	-	0	5.100	0.000	0.000		OK
DF330	30 min Summer	23	4.954	0.029	3.554		OK
DF331	30 min Summer	21	5.118	0.018	2.302		OK
PS274	15 min Summer	10	4.937	0.457	2.632		Surcharged
S70	15 min Summer	10	4.931	0.751	132.793		Surcharged
RE309B	-	0	5.350	0.000	0.000		OK
RWP312B	-	0	5.375	0.000	0.000		OK
PS260	-	0	5.155	0.000	0.000		OK
RE309A	-	0	5.350	0.000	0.000		OK
RWP312A	-	0	5.375	0.000	0.000		OK
PS261	-	0	4.985	0.000	0.000		OK
PS206	30 min Summer	21	4.970	0.020	1.866		OK
S117	15 min Summer	10	4.878	0.798	142.116		Surcharged
RE330B	15 min Summer	10	5.186	0.316	6.893		Flood Risk
PS20	15 min Summer	11	5.006	0.331	5.522		Surcharged
RWP330A	15 min Summer	10	5.074	0.149	0.527		Surcharged
RE330A	15 min Summer	10	5.073	0.173	7.582		Surcharged
S115	30 min Summer	21	4.919	0.019	1.870		OK
PS23	15 min Summer	11	4.905	0.405	12.716		Surcharged
RWP325C	-	0	4.925	0.000	0.000		OK
ACO325	-	0	4.895	0.000	0.000		OK
RE325A	15 min Summer	11	4.876	0.006	0.142		OK
PS16	15 min Summer	11	4.872	0.072	0.000		OK
RWP325B	15 min Summer	10	4.978	0.053	0.528		OK
RE325B	15 min Summer	10	4.978	0.128	9.731		Surcharged
DF326	30 min Summer	22	4.874	0.024	2.820		OK
PS10	15 min Summer	11	4.868	0.468	22.879		Surcharged
S114	15 min Summer	10	4.813	0.828	171.050		Surcharged
YG313	15 min Summer	8	5.242	0.092	16.107		OK
YG316	-	0	5.080	0.000	0.000		OK
PS257	15 min Summer	9	5.012	0.232	19.466		Surcharged
RE313A	-	0	5.300	0.000	0.000		OK
RE318B	-	0	5.025	0.000	0.000		OK
PS258	15 min Summer	9	4.873	0.178	19.340		Surcharged
RWP324A	-	0	4.925	0.000	0.000		OK
RE324A	-	0	4.900	0.000	0.000		OK
PS5	15 min Summer	11	4.719	0.019	0.000		OK
DF324	30 min Summer	22	4.761	0.036	2.825		OK
PS6	15 min Summer	10	4.708	0.208	0.842		Surcharged
S71	15 min Summer	10	4.710	0.820	237.027		Surcharged
RE319A	-	0	5.000	0.000	0.000		OK
GY319	15 min Summer	8	4.830	0.045	3.274		OK
PS285	15 min Summer	8	4.792	0.042	3.254		OK
RE319B	15 min Summer	8	4.955	0.055	5.382		OK
RWP319D	-	0	5.000	0.000	0.000		OK
PS286	15 min Summer	8	4.754	0.104	13.971		OK
RE320A	-	0	4.775	0.000	0.000		OK
GY320	15 min Summer	8	4.696	0.046	3.256		OK
PS288	15 min Summer	8	4.666	0.046	3.235		OK
RWP320D	-	0	4.800	0.000	0.000		OK
PS283	15 min Summer	8	4.654	0.104	17.086		OK

Manholes

Manhole	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
GY279	-	0	4.615	0.000	0.000		OK
S72	1440 min Winter	1047	4.527	0.877	4.482		Surcharged
S164	1440 min Winter	1047	4.527	0.927	4.628		Flood Risk
S163	1440 min Winter	1047	4.527	1.027	4.640		Flood Risk
S161	1440 min Winter	1046	4.531	1.081	3.690		Flood Risk
S162	1440 min Summer	5195	3.432	0.032	2.999		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	RWP337B	RE337A	0.100	0.358	1.846	0.141	Surcharged
1.001	15 min Winter	9	RE337A	PS227	0.100	0.901	7.079	1.140	Surcharged
2.000	15 min Summer	13	RWP335D	PS227	0.100	0.150	0.842	0.086	Surcharged
1.002	15 min Winter	11	PS227	PS223	0.100	0.785	6.167	0.987	Surcharged
3.000	15 min Winter	9	RE334A	PS222	0.100	1.006	7.899	1.130	Surcharged
4.000	15 min Winter	13	RWP334A	PS222	0.100	0.158	0.978	0.053	Surcharged
3.001	15 min Winter	10	PS222	PS223	0.100	0.851	6.683	1.043	Surcharged
1.003	15 min Summer	13	PS223	PS224	0.100	1.669	12.655	2.065	Surcharged
5.000	15 min Summer	0	RWP337A	RE337B	0.000	0.000	0.000	0.000	OK
5.001	15 min Summer	10	RE337B	PS224	0.050	0.000	0.000	0.000	OK
1.004	15 min Summer	13	PS224	S80	0.100	2.051	14.700	1.020	Surcharged
6.000	15 min Summer	8	S104	S80	0.097	3.010	15.065	0.193	OK
1.005	30 min Summer	18	S80	S81	0.225	0.812	24.043	0.614	OK
1.006	15 min Winter	11	S81	S106	0.225	0.813	32.308	0.904	OK
7.000	30 min Summer	22	S107	S106	0.086	1.229	2.362	0.050	OK
8.000	30 min Summer	21	S105	S106	0.084	1.398	2.038	0.031	OK
1.007	600 min Winter	552	S106	S82	0.225	0.765	7.531	0.219	OK
9.000	30 min Summer	22	S108	S82	0.085	1.313	2.359	0.047	OK
1.008	180 min Summer	121	S82	S83	0.225	1.310	29.420	0.620	OK
1.009	60 min Winter	45	S83	S152	0.225	1.645	41.881	0.703	OK
10.000	960 min Winter	733	S153	S154	0.375	0.380	33.400	0.241	Surcharged
10.001	960 min Winter	733	S154	S165	0.375	0.320	33.617	0.307	Surcharged
10.002	960 min Winter	733	S165	S152	0.375	0.305	33.730	0.325	Surcharged
1.010	960 min Winter	732	S152	S150	0.375	0.646	71.404	0.663	Surcharged
1.011	30 min Summer	48	S150	S86	0.375	0.090	9.984	0.094	Surcharged
11.000	15 min Winter	14	RWP338B	RE338A	0.100	0.420	3.035	0.229	Surcharged
11.001	15 min Winter	10	RE338A	PS336	0.100	1.471	11.553	1.653	Surcharged
12.000	30 min Summer	21	DF341	PS336	0.051	0.566	1.718	0.033	OK
11.002	15 min Summer	11	PS336	PS32	0.113	1.001	12.810	0.637	OK
13.000	30 min Summer	23	DF338	PS31	0.042	0.897	3.624	0.146	OK
13.001	15 min Summer	16	PS31	PS32	0.082	0.639	3.130	0.174	OK
11.003	15 min Summer	12	PS32	PS33	0.145	1.480	16.813	0.913	OK
14.000	15 min Summer	10	RWP342B	PS33	0.050	0.000	0.000	0.000	OK
11.004	30 min Summer	20	PS33	S130	0.150	1.966	20.158	0.428	Surcharged
11.005	30 min Summer	20	S130	S129	0.225	0.562	22.350	0.645	OK
15.000	15 min Summer	11	RWP343A	RE343B	0.100	0.200	1.420	0.158	Surcharged
15.001	15 min Summer	10	RE343B	PS232	0.100	0.977	7.616	1.180	Surcharged
15.002	15 min Summer	11	PS232	PS233	0.079	1.191	7.528	1.100	OK
16.000	15 min Summer	9	RE343A	PS233	0.029	0.000	0.000	0.000	OK
17.000	15 min Summer	9	RWP344D	PS233	0.029	0.000	0.000	0.000	OK
15.003	15 min Summer	9	PS233	PS29	0.059	1.572	7.514	0.650	OK
18.000	30 min Summer	22	DF344	PS29	0.035	1.150	2.783	0.259	OK
19.000	15 min Summer	0	RE345A	PS29	0.000	0.000	0.000	0.000	OK
15.004	30 min Summer	18	PS29	S129	0.094	1.354	8.624	0.137	OK
11.006	30 min Summer	17	S129	S128	0.225	1.629	64.788	1.787	OK
20.000	15 min Winter	9	RE345B	PS243	0.100	1.246	9.784	1.509	Surcharged
20.001	15 min Summer	10	PS243	PS27	0.097	1.276	9.933	1.412	OK
21.000	30 min Summer	24	DF347	PS27	0.044	1.012	4.200	0.236	OK
22.000	15 min Summer	0	PS240	PS27	0.000	0.000	0.000	0.000	OK
20.002	30 min Summer	19	PS27	S128	0.098	1.516	13.200	0.210	OK
23.000	15 min Summer	0	DF348	PS25	0.000	0.000	0.000	0.000	OK
24.000	15 min Summer	0	RE348A	PS25	0.000	0.000	0.000	0.000	OK
25.000	15 min Summer	0	RWP348B	PS25	0.000	0.000	0.000	0.000	OK
23.001	15 min Summer	7	PS25	S128	0.075	0.000	0.000	0.000	OK
11.007	15 min Winter	12	S128	S92	0.225	1.887	74.401	2.041	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
26.000	15 min Winter	9	RE348B	PS238	0.100	1.292	10.130	1.498	Surcharged
26.001	15 min Summer	10	PS238	PS239	0.080	1.547	10.474	1.183	OK
26.002	15 min Summer	10	PS239	PS200	0.061	2.091	10.466	0.686	OK
27.000	720 min Summer	607	RE349A	PS200	0.019	0.000	0.000	0.000	OK
28.000	720 min Summer	607	DF350	PS200	0.045	0.317	0.348	0.006	OK
26.003	720 min Summer	607	PS200	S92	0.119	0.833	2.971	0.114	OK
29.000	480 min Winter	351	S109(D)	S92	0.078	0.519	0.312	0.011	OK
11.008	15 min Winter	12	S92	S93	0.375	1.313	106.906	0.951	Surcharged
11.009	30 min Summer	17	S93	S86	0.375	1.522	104.561	0.864	Surcharged
1.012	15 min Winter	11	S86	S87	0.375	0.536	33.428	0.286	Surcharged
1.013	15 min Winter	10	S87	S163	0.375	1.023	58.372	0.594	Surcharged
30.000	15 min Summer	11	RWP301A	RE301A	0.084	0.269	1.195	0.110	OK
30.001	15 min Summer	11	RE301A	PS363	0.098	0.283	2.002	0.332	OK
30.002	15 min Summer	10	PS363	PS362	0.095	1.069	8.233	1.353	OK
31.000	15 min Summer	0	RWP301C	RE302A	0.000	0.000	0.000	0.000	OK
31.001	15 min Summer	0	RE302A	PS365	0.000	0.000	0.000	0.000	OK
32.000	15 min Summer	0	RWP302B	PS365	0.000	0.000	0.000	0.000	OK
31.002	15 min Summer	10	PS365	PS362	0.022	0.000	0.000	0.000	OK
33.000	30 min Summer	21	DF302	PS362	0.064	0.716	3.617	0.127	OK
30.003	15 min Summer	10	PS362	S69	0.103	0.936	10.841	0.719	OK
30.004	15 min Winter	8	S69	S98	0.225	1.221	48.545	1.551	OK
30.005	15 min Winter	9	S98	S70	0.300	1.491	81.320	0.823	Surcharged
34.000	15 min Summer	9	RE333B	PS273	0.050	0.000	0.000	0.000	OK
34.001	15 min Winter	12	PS273	PS274	0.100	0.227	1.669	0.242	Surcharged
35.000	15 min Summer	0	RWP333B	RE333A	0.000	0.000	0.000	0.000	OK
35.001	15 min Summer	8	RE333A	PS274	0.050	0.000	0.000	0.000	OK
36.000	30 min Summer	23	DF330	PS274	0.089	0.778	3.554	0.083	OK
37.000	30 min Summer	21	DF331	PS274	0.084	0.634	2.299	0.032	OK
34.002	30 min Summer	22	PS274	S70	0.150	0.843	12.176	0.779	Surcharged
30.006	15 min Winter	9	S70	S117	0.375	1.396	121.115	0.712	Surcharged
38.000	15 min Summer	0	RE309B	PS260	0.000	0.000	0.000	0.000	OK
39.000	15 min Summer	0	RWP312B	PS260	0.000	0.000	0.000	0.000	OK
38.001	15 min Summer	0	PS260	PS261	0.000	0.000	0.000	0.000	OK
40.000	15 min Summer	0	RE309A	PS261	0.000	0.000	0.000	0.000	OK
41.000	15 min Summer	0	RWP312A	PS261	0.000	0.000	0.000	0.000	OK
38.002	15 min Summer	0	PS261	S117	0.000	0.000	0.000	0.000	OK
42.000	30 min Summer	21	PS206	S117	0.085	1.254	1.867	0.039	OK
30.007	15 min Winter	10	S117	S114	0.375	1.236	131.218	0.801	Surcharged
43.000	15 min Winter	8	RE330B	PS20	0.100	0.918	7.002	1.144	Surcharged
43.001	30 min Summer	16	PS20	PS23	0.100	0.920	6.655	1.083	Surcharged
44.000	15 min Summer	12	RWP330A	RE330A	0.100	0.218	1.641	0.218	Surcharged
44.001	30 min Summer	18	RE330A	PS23	0.100	1.272	8.154	0.928	Surcharged
45.000	30 min Summer	21	S115	PS23	0.085	0.563	1.870	0.036	OK
43.002	30 min Summer	20	PS23	PS10	0.150	1.221	14.766	0.700	Surcharged
46.000	15 min Summer	11	RWP325C	RE325A	0.003	0.000	0.000	0.000	OK
47.000	15 min Summer	11	ACO325	RE325A	0.003	0.000	0.000	0.000	OK
46.001	15 min Summer	12	RE325A	PS16	0.039	0.120	0.029	0.005	OK
46.002	15 min Summer	12	PS16	PS10	0.086	0.265	0.637	0.059	OK
48.000	15 min Summer	11	RWP325B	RE325B	0.077	0.220	1.279	0.082	OK
48.001	15 min Summer	10	RE325B	PS10	0.100	2.057	11.814	0.761	Surcharged
49.000	30 min Summer	22	DF326	PS10	0.087	0.876	2.819	0.058	OK
43.003	30 min Summer	20	PS10	S114	0.150	2.203	24.104	0.600	Surcharged
30.008	15 min Winter	10	S114	S71	0.375	1.472	162.546	1.041	Surcharged
50.000	15 min Summer	8	YG313	PS257	0.121	1.051	16.031	0.698	OK
51.000	15 min Summer	7	YG316	PS257	0.075	0.000	0.000	0.000	OK
50.001	15 min Winter	9	PS257	PS258	0.150	1.027	18.004	1.212	Surcharged
52.000	15 min Summer	8	RE313A	PS258	0.050	0.000	0.000	0.000	OK
53.000	15 min Summer	8	RE318B	PS258	0.050	0.000	0.000	0.000	OK
50.002	15 min Summer	9	PS258	S71	0.138	1.117	19.026	1.300	OK
54.000	15 min Summer	0	RWP324A	RE324A	0.000	0.000	0.000	0.000	OK
54.001	15 min Summer	11	RE324A	PS5	0.010	0.000	0.000	0.000	OK
54.002	15 min Summer	11	PS5	PS6	0.060	0.231	0.572	0.082	OK
55.000	30 min Summer	22	DF324	PS6	0.090	1.164	2.826	0.113	OK
54.003	30 min Summer	21	PS6	S71	0.150	0.426	4.662	0.081	Surcharged
30.009	15 min Winter	10	S71	S72	0.375	2.015	222.546	1.509	Surcharged
56.000	15 min Summer	0	RE319A	PS285	0.000	0.000	0.000	0.000	OK
57.000	15 min Summer	8	GY319	PS285	0.043	0.773	3.254	0.195	OK
56.001	15 min Summer	8	PS285	PS286	0.073	0.379	3.236	0.171	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
58.000	15 min Summer	8	RE319B	PS286	0.055	1.218	5.353	0.582	OK
59.000	15 min Summer	8	RWP319D	PS286	0.027	0.000	0.000	0.000	OK
56.002	15 min Summer	8	PS286	PS283	0.104	1.059	13.871	0.840	OK
60.000	15 min Summer	0	RE320A	PS288	0.000	0.000	0.000	0.000	OK
61.000	15 min Summer	8	GY320	PS288	0.046	0.703	3.235	0.209	OK
60.001	15 min Summer	8	PS288	PS283	0.075	0.364	3.215	0.207	OK
62.000	15 min Summer	8	RWP320D	PS283	0.027	0.000	0.000	0.000	OK
56.003	15 min Summer	9	PS283	S72	0.104	1.298	16.959	0.836	OK
63.000	480 min Summer	445	GY279	S72	0.075	0.000	0.000	0.000	OK
30.010	15 min Winter	10	S72	S164	0.375	2.455	231.025	1.841	Surcharged
30.011	15 min Winter	10	S164	S163	0.375	4.238	230.477	0.695	Surcharged
1.014	30 min Winter	15	S163	S161	0.375	0.562	37.424	0.171	Surcharged
1.015	1440 min Summer	5195	S161	S162	0.032	0.853	2.999	0.045	OK

Permeable Paving Storage

Permeable Paving	Critical Storm	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Flood (m3)	Status
Permeable Paving1	30 min Summer	21	5.745	0.048	2.539		OK
Permeable Paving2	30 min Summer	21	5.612	0.048	2.533		OK
Permeable Paving3	30 min Summer	21	5.535	0.044	2.051		OK
Permeable Paving4	30 min Summer	21	5.367	0.048	2.529		OK
Permeable Paving23	30 min Summer	21	5.463	0.039	1.636		OK
Permeable Paving22	30 min Summer	23	5.597	0.064	3.652		OK
Permeable Paving21	30 min Summer	22	5.415	0.054	2.748		OK
Permeable Paving19	30 min Summer	24	5.232	0.071	4.440		OK
Permeable Paving20	30 min Summer	21	5.374	0.040	1.698		OK
Permeable Paving6	30 min Summer	21	5.214	0.041	1.825		OK
Permeable Paving5	30 min Summer	21	5.042	0.041	1.828		OK
Permeable Paving18	30 min Summer	22	5.729	0.058	3.274		OK
Permeable Paving8	30 min Summer	23	5.178	0.064	3.531		OK
Permeable Paving7	30 min Summer	21	5.313	0.048	2.439		OK
Permeable Paving11	30 min Summer	21	5.156	0.041	1.821		OK
Permeable Paving10	30 min Summer	21	5.157	0.041	1.826		OK
Permeable Paving9	30 min Summer	22	5.143	0.055	2.803		OK
Permeable Paving12	30 min Summer	22	4.950	0.055	2.811		OK