

Design Settings

Rainfall Methodology	FSR	Maximum Time of Concentration (mins)	30.00
Return Period (years)	1	Maximum Rainfall (mm/hr)	50.0
Additional Flow (%)	0	Minimum Velocity (m/s)	1.00
FSR Region	England and Wales	Connection Type	Level Soffits
M5-60 (mm)	20.000	Minimum Backdrop Height (m)	0.200
Ratio-R	0.400	Preferred Cover Depth (m)	0.900
CV	0.750	Include Intermediate Ground	✓
Time of Entry (mins)	5.00	Enforce best practice design rules	✓

Adoptable Manhole Type

Max Width (mm)	Diameter (mm)	Max Width (mm)	Diameter (mm)
374	1200	749	1500
499	1350	900	1800

>900 Link+900 mm

Max Depth (m)	Diameter (mm)	Max Depth (m)	Diameter (mm)
1.500	1050	99.999	1200

Pipe Link Type

Shape	Circular	Auto Increment (mm)	75
Barrels	1	Follow Ground	x

Available Diameters (mm)

100 | 150

Under Drain Trench Link Type

Shape	Rectangular	Width (mm)	450	Follow Ground	x
Barrels	1	Auto Increment (mm)	10		

Available Diameters (mm)

450

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
Rodding Eye 3		5.00	130.074	150	431631.602	306124.491	1.274
24e			129.794	600	431620.531	306118.250	1.349
S24a	0.024	5.00	128.984	1200	431581.773	306106.392	1.484
24b			129.136	600	431591.376	306104.909	1.736
Rodding Eye 4		5.00	129.457	150	431603.779	306111.183	1.457
24c			129.148	600	431612.198	306100.007	2.043
Rodding Eye 5		5.00	128.452	150	431588.467	306091.380	1.302
24f			128.300	600	431591.072	306086.743	1.250
24g	0.003	5.00	128.277	600	431594.949	306084.996	1.352
24h			128.534	600	431605.637	306086.356	1.684
24d			128.950	600	431616.873	306084.401	2.170
Rodding Eye 6		5.00	128.533	150	431632.626	306073.619	1.533
24i			128.381	600	431632.014	306068.565	1.581
24			128.013	1200	431622.954	306064.256	1.691

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
25a	0.008	5.00	126.780	600	431583.448	306066.189	1.094
25b			126.850	600	431591.460	306055.255	1.300
25			126.775	1200	431591.821	306047.763	1.375
27	0.038	5.00	126.860	600	431584.829	306042.689	1.210
26	0.014	5.00	126.850	600	431600.548	306020.915	1.200
28			126.750	600	431594.442	306029.350	1.251
Tank 1	0.051	5.00	126.801		431607.266	306026.969	1.431
28a			126.838	1200	431608.255	306025.585	1.478
29	0.037	5.00	126.861	600	431616.317	306029.079	1.039
30			126.877	600	431608.064	306023.244	1.537
31	0.018	5.00	126.875	600	431625.768	306014.523	1.389
32			126.850	600	431603.562	305998.325	1.526
33			126.825	1200	431592.318	306011.192	1.677
34	0.017	5.00	126.775	1200	431584.351	306005.321	1.667
14	0.023	5.00	126.850	600	431560.026	306044.177	1.675
15			126.875	600	431566.011	306036.007	1.764
15a			126.825	600	431566.107	306031.505	1.741
35			126.800	1200	431566.589	306029.924	1.816
Rodding Eye 1		5.00	131.000	150	431547.878	306155.192	1.250
8a			131.137	600	431560.567	306153.931	1.517
8b			131.014	600	431562.616	306150.913	1.444
8c			129.900	600	431560.143	306129.308	1.160
JCT1			129.909		431546.731	306121.627	1.324
8d			129.930	600	431543.641	306121.052	1.455
8e			129.959	600	431532.934	306126.240	1.559
8f			129.947	600	431529.032	306126.253	1.597
5	0.024	5.00	129.970	1200	431566.394	306130.156	1.670
6	0.024	5.00	129.650	1200	431543.157	306116.444	1.470
7			129.965	1200	431532.269	306123.865	1.865
8			129.965	1200	431529.069	306123.827	1.915
10	0.024	5.00	128.730	600	431535.412	306078.699	1.515
9			128.469	1200	431529.592	306076.171	1.469
Rodding Eye 2	0.013	5.00	129.794	150	431497.424	306124.877	0.944
12b			129.313	600	431501.169	306083.871	1.313
12c			128.903	600	431512.111	306079.259	1.303
JCT2			127.803		431533.825	306068.936	1.178
12e			127.912	600	431536.885	306068.452	1.412
12			127.792	1200	431535.849	306060.099	1.417
13			126.990	600	431533.786	306041.939	2.086
46		5.00	126.100	600	431497.261	306026.340	0.928
47			126.080	600	431497.547	306017.473	0.947
48			126.260	600	431515.208	306018.380	1.212
41		5.00	126.480	600	431560.582	306027.437	1.120
42			126.310	600	431558.660	306019.284	1.007
43			126.225	600	431553.582	306015.311	0.964
44			126.185	600	431549.570	306014.503	1.085
45			126.350	600	431548.363	306019.934	1.350
36		5.00	126.010	600	431546.007	306007.240	0.810
39		5.00	126.050	600	431526.372	306007.980	0.967
40a			126.075	600	431533.811	306008.363	1.070
49			126.325	600	431533.245	306019.339	1.385

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
51		5.00	126.405	600	431514.197	306025.225	1.378
50		5.00	126.550	600	431547.993	306026.938	1.550
52			126.500	600	431534.581	306026.279	1.600
Tank 2			126.485		431519.997	306027.567	1.610
53			126.510	1350	431511.980	306027.168	1.652
CW32			125.800	600	431495.856	306014.623	1.070
SWD1		5.00	130.350	1200	431564.194	306140.714	3.035
SWD2			130.000	600	431564.329	306131.905	2.798
SWD3			130.000	1200	431530.530	306119.463	3.232
SWD5			126.525	600	431518.729	306036.852	0.897
SW Headwall			126.200		431489.191	306019.896	1.000
SWD4			126.880	1200	431532.546	306038.758	1.084
SWD6			126.525	1200	431517.642	306031.578	0.962
CW Outfall			125.400		431486.392	306011.984	0.730

Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
1.000	Rodding Eye 3	24e	12.709	0.600	128.800	128.520	0.280	45.4	150	5.14	50.0
1.001	24e	24c	20.056	0.600	128.445	127.180	1.265	15.9	150	5.27	50.0
2.000	S24a	24b	9.717	0.600	127.500	127.400	0.100	97.2	150	5.16	50.0
2.001	24b	24c	21.391	0.600	127.400	127.180	0.220	97.2	150	5.51	50.0
3.000	Rodding Eye 4	24c	13.992	0.600	128.000	127.180	0.820	17.1	150	5.10	50.0
1.002	24c	24d	16.291	0.600	127.105	126.780	0.325	50.1	150	5.70	50.0
4.000	Rodding Eye 5	24f	5.319	0.600	127.150	127.050	0.100	53.2	150	5.06	50.0
4.001	24f	24g	4.252	0.600	127.050	127.000	0.050	85.0	150	5.13	50.0
4.002	24g	24h	10.774	0.600	126.925	126.850	0.075	143.7	225	5.29	50.0
4.003	24h	24d	11.405	0.600	126.850	126.780	0.070	162.9	225	5.48	50.0
1.003	24d	24	21.043	0.600	126.780	126.322	0.458	45.9	225	5.88	50.0
5.000	Rodding Eye 6	24i	5.091	0.600	127.000	126.800	0.200	25.5	150	5.04	50.0
5.001	24i	24	10.033	0.600	126.800	126.397	0.403	24.9	150	5.12	50.0
1.004	24	25	35.232	0.600	126.322	125.400	0.922	38.2	225	6.16	49.8

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
1.000	1.497	26.5	1.2	1.124	1.124	0.009	0.0	22	0.763
1.001	2.542	44.9	2.8	1.199	1.818	0.021	0.0	25	1.425
2.000	1.019	18.0	3.2	1.334	1.586	0.024	0.0	43	0.774
2.001	1.019	18.0	5.0	1.586	1.818	0.037	0.0	54	0.875
3.000	2.450	43.3	1.6	1.307	1.818	0.012	0.0	20	1.188
1.002	1.424	25.2	10.7	1.893	2.020	0.079	0.0	68	1.367
4.000	1.382	24.4	2.2	1.152	1.100	0.016	0.0	30	0.856
4.001	1.090	19.3	4.6	1.100	1.127	0.034	0.0	50	0.894
4.002	1.089	43.3	7.5	1.127	1.459	0.055	0.0	63	0.818
4.003	1.021	40.6	8.9	1.459	1.945	0.066	0.0	72	0.823
1.003	1.935	76.9	19.6	1.945	1.466	0.145	0.0	77	1.620
5.000	2.004	35.4	0.7	1.383	1.431	0.005	0.0	14	0.777
5.001	2.026	35.8	1.4	1.431	1.466	0.010	0.0	20	0.981
1.004	2.122	84.4	22.7	1.466	1.150	0.168	0.0	80	1.808

Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
6.000	25a	25b	13.555	0.600	125.686	125.550	0.136	99.7	150	5.22	50.0
6.001	25b	25	7.501	0.600	125.550	125.475	0.075	100.0	150	5.35	50.0
1.005	25	Tank 1	4.000	0.600	125.400	125.370	0.030	133.3	225	6.22	49.5
7.000	27	28	16.442	0.600	125.650	125.499	0.151	108.9	150	5.28	50.0
8.000	26	28	10.413	0.600	125.650	125.499	0.151	69.0	150	5.14	50.0
7.001	28	Tank 1	2.401	0.600	125.499	125.370	0.129	18.6	150	5.30	50.0
1.006	Tank 1	28a	1.701	0.600	125.370	125.360	0.010	170.1	300	6.24	49.4
1.007	28a	30	2.349	0.600	125.360	125.340	0.020	117.4	225	6.27	0.0
9.000	29	30	10.107	0.600	125.822	125.340	0.482	21.0	225	5.06	50.0
1.008	30	33	19.829	0.600	125.340	125.223	0.117	169.5	300	6.55	48.3
10.000	31	32	27.486	0.600	125.486	125.324	0.162	169.7	225	5.46	50.0
10.001	32	33	17.088	0.600	125.324	125.223	0.101	169.2	225	5.74	50.0
1.009	33	34	9.897	0.600	125.148	125.108	0.040	247.4	300	6.71	47.7
1.010	34	35	30.345	0.600	125.108	124.984	0.124	244.7	300	7.22	46.0
11.000	14	15	10.128	0.600	125.175	125.111	0.064	158.2	150	5.21	50.0
11.001	15	15a	4.503	0.600	125.111	125.084	0.027	166.8	150	5.31	50.0
11.002	15a	35	1.653	0.600	125.084	125.059	0.025	66.1	225	5.33	50.0
1.011	35	Tank 2	5.450	0.600	124.984	124.875	0.109	50.0	300	7.26	45.9
12.000	Rodding Eye 1	8a	12.752	0.600	129.750	129.620	0.130	98.1	150	5.21	50.0
12.001	8a	8b	3.648	0.600	129.620	129.570	0.050	73.0	150	5.26	50.0
12.002	8b	8c	21.746	0.600	129.570	128.740	0.830	26.2	150	5.44	50.0
12.003	8c	JCT1	15.456	0.600	128.740	128.585	0.155	100.0	150	5.70	50.0
12.004	JCT1	8d	3.143	0.600	128.585	128.550	0.035	89.8	150	5.75	50.0
12.005	8d	8e	11.898	0.600	128.475	128.400	0.075	158.6	225	5.94	50.0

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
6.000	1.006	17.8	1.1	0.944	1.150	0.008	0.0	25	0.561
6.001	1.005	17.8	1.1	1.150	1.150	0.008	0.0	25	0.560
1.005	1.130	44.9	26.5	1.150	1.206	0.197	0.0	124	1.175
7.000	0.962	17.0	5.2	1.060	1.101	0.038	0.0	57	0.844
8.000	1.212	21.4	1.9	1.050	1.101	0.014	0.0	30	0.750
7.001	2.345	41.4	7.0	1.101	1.281	0.052	0.0	42	1.758
1.006	1.202	85.0	40.2	1.131	1.178	0.300	0.0	145	1.186
1.007	1.205	47.9	0.0	1.253	1.312	0.300	0.0	0	0.000
9.000	2.870	114.1	5.1	0.814	1.312	0.038	0.0	32	1.457
1.008	1.205	85.1	47.1	1.237	1.302	0.359	0.0	159	1.233
10.000	1.001	39.8	4.2	1.164	1.301	0.031	0.0	49	0.651
10.001	1.002	39.8	4.2	1.301	1.377	0.031	0.0	49	0.652
1.009	0.995	70.3	52.3	1.377	1.367	0.404	0.0	193	1.086
1.010	1.000	70.7	55.6	1.367	1.516	0.445	0.0	201	1.104
11.000	0.796	14.1	4.9	1.525	1.614	0.036	0.0	61	0.726
11.001	0.775	13.7	4.9	1.614	1.591	0.036	0.0	62	0.710
11.002	1.611	64.0	4.9	1.516	1.516	0.036	0.0	42	0.957
1.011	2.228	157.5	59.9	1.516	1.310	0.482	0.0	128	2.081
12.000	1.014	17.9	4.5	1.100	1.367	0.033	0.0	51	0.847
12.001	1.178	20.8	5.0	1.367	1.294	0.037	0.0	50	0.972
12.002	1.975	34.9	10.2	1.294	1.010	0.075	0.0	55	1.716
12.003	1.005	17.8	13.6	1.010	1.174	0.100	0.0	99	1.106
12.004	1.061	18.7	14.6	1.174	1.230	0.108	0.0	100	1.171
12.005	1.035	41.2	18.7	1.230	1.334	0.138	0.0	106	1.009

Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
12.006	8e	8f	3.902	0.600	128.400	128.350	0.050	78.0	225	5.99	50.0
12.007	8f	8	2.426	0.600	128.350	128.125	0.225	10.8	225	6.00	50.0
13.000	5	6	26.981	0.600	128.300	128.180	0.120	224.8	300	5.43	50.0
13.001	6	7	13.176	0.600	128.180	128.100	0.080	164.7	300	5.61	50.0
13.002	7	8	3.202	0.600	128.100	128.050	0.050	64.0	300	5.64	50.0
12.008	8	9	47.659	0.600	128.050	127.000	1.050	45.4	300	6.34	49.1
14.000	10	9	6.345	0.600	127.215	127.150	0.065	97.6	150	5.10	50.0
12.009	9	12	17.247	0.600	127.000	126.375	0.625	27.6	300	6.43	48.7
15.000	Rodding Eye 2	12b	41.177	0.600	128.850	128.000	0.850	48.4	150	5.47	50.0
15.001	12b	12c	11.874	0.600	128.000	127.600	0.400	29.7	150	5.58	50.0
15.002	12c	JCT2	24.043	0.600	127.600	126.625	0.975	24.7	150	5.78	50.0
15.003	JCT2	12e	3.098	0.600	126.625	126.550	0.075	41.3	150	5.81	50.0
15.004	12e	12	8.417	0.600	126.500	126.450	0.050	168.3	225	5.95	50.0
12.010	12	13	18.277	0.600	126.375	125.599	0.776	23.6	300	6.52	48.4
12.011	13	Tank 2	6.617	0.600	124.904	124.875	0.029	228.2	300	6.63	48.0
16.000	46	47	8.872	0.600	125.172	125.133	0.039	227.5	225	5.17	50.0
16.001	47	48	17.684	0.600	125.133	125.048	0.085	208.1	225	5.50	50.0
16.002	48	49	18.062	0.600	125.048	124.940	0.108	167.2	225	5.80	50.0
17.000	41	42	8.376	0.600	125.360	125.303	0.057	147.0	100	5.22	50.0
17.001	42	43	6.448	0.600	125.303	125.261	0.042	153.5	150	5.35	50.0
17.002	43	44	4.093	0.600	125.261	125.100	0.161	25.4	150	5.39	50.0
17.003	44	45	5.564	0.600	125.100	125.000	0.100	55.6	150	5.46	50.0
17.004	45	49	15.130	0.600	125.000	124.940	0.060	252.2	150	5.86	50.0
18.000	36	40a	12.248	0.600	125.200	125.005	0.195	62.8	225	5.12	50.0

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
12.006	1.481	58.9	19.3	1.334	1.372	0.143	0.0	88	1.329
12.007	4.007	159.3	19.3	1.372	1.615	0.143	0.0	52	2.724
13.000	1.044	73.8	3.2	1.370	1.170	0.024	0.0	42	0.528
13.001	1.222	86.4	6.4	1.170	1.565	0.047	0.0	55	0.722
13.002	1.968	139.1	6.4	1.565	1.615	0.047	0.0	44	1.016
12.008	2.339	165.4	25.3	1.615	1.169	0.190	0.0	79	1.707
14.000	1.017	18.0	3.2	1.365	1.169	0.024	0.0	43	0.772
12.009	3.004	212.3	28.2	1.169	1.117	0.214	0.0	74	2.110
15.000	1.449	25.6	4.8	0.794	1.163	0.036	0.0	44	1.118
15.001	1.854	32.8	4.8	1.163	1.153	0.036	0.0	39	1.334
15.002	2.036	36.0	8.1	1.153	1.028	0.060	0.0	48	1.649
15.003	1.570	27.7	8.9	1.028	1.212	0.066	0.0	58	1.400
15.004	1.005	39.9	8.9	1.187	1.117	0.066	0.0	73	0.815
12.010	3.253	229.9	36.7	1.117	1.091	0.280	0.0	81	2.404
12.011	1.036	73.3	36.4	1.786	1.310	0.280	0.0	149	1.034
16.000	0.863	34.3	5.4	0.703	0.722	0.040	0.0	60	0.632
16.001	0.902	35.9	5.4	0.722	0.987	0.040	0.0	58	0.651
16.002	1.008	40.1	7.3	0.987	1.160	0.054	0.0	65	0.768
17.000	0.632	5.0	4.3	1.020	0.907	0.032	0.0	72	0.712
17.001	0.808	14.3	5.3	0.857	0.814	0.039	0.0	63	0.748
17.002	2.005	35.4	6.4	0.814	0.935	0.048	0.0	43	1.526
17.003	1.351	23.9	6.4	0.935	1.200	0.048	0.0	53	1.148
17.004	0.628	11.1	8.1	1.200	1.235	0.060	0.0	95	0.685
18.000	1.653	65.7	2.5	0.585	0.845	0.018	0.0	29	0.793

Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
19.000	39	40a	7.449	0.600	125.083	125.005	0.078	95.5	225	5.09	50.0
18.001	40a	49	10.991	0.600	125.005	124.940	0.065	169.1	225	5.31	50.0
16.003	49	52	7.067	0.600	124.940	124.900	0.040	176.7	225	5.98	50.0
20.000	51	52	20.411	0.600	125.027	124.900	0.127	160.7	225	5.33	50.0
21.000	50	52	13.428	0.600	125.000	124.900	0.100	134.3	225	5.20	50.0
16.004	52	Tank 2	1.000	0.600	124.900	124.875	0.025	40.0	225	5.99	50.0
1.012	Tank 2	53	8.027	0.600	124.875	124.858	0.017	472.2	450	7.40	45.4
1.013	53	CW32	20.429	0.600	124.858	124.730	0.128	159.6	225	7.73	0.0
22.000	SWD1	SWD2	8.810	0.600	127.315	127.202	0.113	78.0	150	5.13	50.0
22.001	SWD2	SWD3	36.016	0.600	127.202	126.768	0.434	83.0	150	5.67	50.0
22.002	SWD3	SWD4	80.730	0.600	126.768	125.796	0.972	83.1	150	6.89	47.1
22.003	SWD4	SWD5	13.948	0.600	125.796	125.628	0.168	83.0	150	7.10	46.4
22.004	SWD5	SWD6	5.385	0.600	125.628	125.563	0.065	82.8	150	7.18	46.1
22.005	SWD6	SW Headwall	30.756	0.600	125.563	125.200	0.363	84.7	150	7.65	44.7
1.014	CW32	CW Outfall	9.825	0.600	124.730	124.670	0.060	163.8	225	7.89	0.0

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
19.000	1.338	53.2	2.0	0.742	0.845	0.015	0.0	30	0.653
18.001	1.002	39.9	4.5	0.845	1.160	0.033	0.0	51	0.665
16.003	0.980	39.0	19.9	1.160	1.375	0.147	0.0	114	0.985
20.000	1.028	40.9	4.7	1.153	1.375	0.035	0.0	51	0.690
21.000	1.126	44.8	3.1	1.325	1.375	0.023	0.0	40	0.651
16.004	2.074	82.5	27.8	1.375	1.385	0.205	0.0	90	1.879
1.012	0.929	147.7	119.0	1.160	1.202	0.966	0.0	307	1.028
1.013	1.032	41.0	0.0	1.427	0.845	0.966	0.0	0	0.000
22.000	1.139	20.1	0.0	2.885	2.648	0.000	0.0	0	0.000
22.001	1.104	19.5	0.0	2.648	3.082	0.000	0.0	0	0.000
22.002	1.104	19.5	0.0	3.082	0.934	0.000	0.0	0	0.000
22.003	1.104	19.5	0.0	0.934	0.747	0.000	0.0	0	0.000
22.004	1.105	19.5	0.0	0.747	0.812	0.000	0.0	0	0.000
22.005	1.092	19.3	0.0	0.812	0.850	0.000	0.0	0	0.000
1.014	1.019	40.5	0.0	0.845	0.505	0.966	0.0	0	0.000

Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
1.000	12.709	45.4	150	Pipe	130.074	128.800	1.124	129.794	128.520	1.124
1.001	20.056	15.9	150	Pipe	129.794	128.445	1.199	129.148	127.180	1.818
2.000	9.717	97.2	150	Pipe	128.984	127.500	1.334	129.136	127.400	1.586
2.001	21.391	97.2	150	Pipe	129.136	127.400	1.586	129.148	127.180	1.818
3.000	13.992	17.1	150	Pipe	129.457	128.000	1.307	129.148	127.180	1.818
1.002	16.291	50.1	150	Pipe	129.148	127.105	1.893	128.950	126.780	2.020
4.000	5.319	53.2	150	Pipe	128.452	127.150	1.152	128.300	127.050	1.100
4.001	4.252	85.0	150	Pipe	128.300	127.050	1.100	128.277	127.000	1.127
4.002	10.774	143.7	225	Pipe	128.277	126.925	1.127	128.534	126.850	1.459
4.003	11.405	162.9	225	Pipe	128.534	126.850	1.459	128.950	126.780	1.945
1.003	21.043	45.9	225	Pipe	128.950	126.780	1.945	128.013	126.322	1.466
5.000	5.091	25.5	150	Pipe	128.533	127.000	1.383	128.381	126.800	1.431
5.001	10.033	24.9	150	Pipe	128.381	126.800	1.431	128.013	126.397	1.466
1.004	35.232	38.2	225	Pipe	128.013	126.322	1.466	126.775	125.400	1.150
6.000	13.555	99.7	150	Pipe	126.780	125.686	0.944	126.850	125.550	1.150
6.001	7.501	100.0	150	Pipe	126.850	125.550	1.150	126.775	125.475	1.150
1.005	4.000	133.3	225	Pipe	126.775	125.400	1.150	126.801	125.370	1.206
7.000	16.442	108.9	150	Pipe	126.860	125.650	1.060	126.750	125.499	1.101
8.000	10.413	69.0	150	Pipe	126.850	125.650	1.050	126.750	125.499	1.101
7.001	2.401	18.6	150	Pipe	126.750	125.499	1.101	126.801	125.370	1.281
1.006	1.701	170.1	300	Pipe	126.801	125.370	1.131	126.838	125.360	1.178
1.007	2.349	117.4	225	Pipe	126.838	125.360	1.253	126.877	125.340	1.312
9.000	10.107	21.0	225	Pipe	126.861	125.822	0.814	126.877	125.340	1.312
1.008	19.829	169.5	300	Pipe	126.877	125.340	1.237	126.825	125.223	1.302
10.000	27.486	169.7	225	Pipe	126.875	125.486	1.164	126.850	125.324	1.301

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.000	Rodding Eye 3	150	Manhole	Adoptable	24e	600	Manhole	Adoptable
1.001	24e	600	Manhole	Adoptable	24c	600	Manhole	Adoptable
2.000	S24a	1200	Manhole	Adoptable	24b	600	Manhole	Adoptable
2.001	24b	600	Manhole	Adoptable	24c	600	Manhole	Adoptable
3.000	Rodding Eye 4	150	Manhole	Adoptable	24c	600	Manhole	Adoptable
1.002	24c	600	Manhole	Adoptable	24d	600	Manhole	Adoptable
4.000	Rodding Eye 5	150	Manhole	Adoptable	24f	600	Manhole	Adoptable
4.001	24f	600	Manhole	Adoptable	24g	600	Manhole	Adoptable
4.002	24g	600	Manhole	Adoptable	24h	600	Manhole	Adoptable
4.003	24h	600	Manhole	Adoptable	24d	600	Manhole	Adoptable
1.003	24d	600	Manhole	Adoptable	24	1200	Manhole	Adoptable
5.000	Rodding Eye 6	150	Manhole	Adoptable	24i	600	Manhole	Adoptable
5.001	24i	600	Manhole	Adoptable	24	1200	Manhole	Adoptable
1.004	24	1200	Manhole	Adoptable	25	1200	Manhole	Adoptable
6.000	25a	600	Manhole	Adoptable	25b	600	Manhole	Adoptable
6.001	25b	600	Manhole	Adoptable	25	1200	Manhole	Adoptable
1.005	25	1200	Manhole	Adoptable	Tank 1		Junction	
7.000	27	600	Manhole	Adoptable	28	600	Manhole	Adoptable
8.000	26	600	Manhole	Adoptable	28	600	Manhole	Adoptable
7.001	28	600	Manhole	Adoptable	Tank 1		Junction	
1.006	Tank 1		Junction		28a	1200	Manhole	Adoptable
1.007	28a	1200	Manhole	Adoptable	30	600	Manhole	Adoptable
9.000	29	600	Manhole	Adoptable	30	600	Manhole	Adoptable
1.008	30	600	Manhole	Adoptable	33	1200	Manhole	Adoptable
10.000	31	600	Manhole	Adoptable	32	600	Manhole	Adoptable

Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
10.001	17.088	169.2	225	Pipe	126.850	125.324	1.301	126.825	125.223	1.377
1.009	9.897	247.4	300	Pipe	126.825	125.148	1.377	126.775	125.108	1.367
1.010	30.345	244.7	300	Pipe	126.775	125.108	1.367	126.800	124.984	1.516
11.000	10.128	158.2	150	Pipe	126.850	125.175	1.525	126.875	125.111	1.614
11.001	4.503	166.8	150	Pipe	126.875	125.111	1.614	126.825	125.084	1.591
11.002	1.653	66.1	225	Pipe	126.825	125.084	1.516	126.800	125.059	1.516
1.011	5.450	50.0	300	Pipe	126.800	124.984	1.516	126.485	124.875	1.310
12.000	12.752	98.1	150	Pipe	131.000	129.750	1.100	131.137	129.620	1.367
12.001	3.648	73.0	150	Pipe	131.137	129.620	1.367	131.014	129.570	1.294
12.002	21.746	26.2	150	Pipe	131.014	129.570	1.294	129.900	128.740	1.010
12.003	15.456	100.0	150	Pipe	129.900	128.740	1.010	129.909	128.585	1.174
12.004	3.143	89.8	150	Pipe	129.909	128.585	1.174	129.930	128.550	1.230
12.005	11.898	158.6	225	Pipe	129.930	128.475	1.230	129.959	128.400	1.334
12.006	3.902	78.0	225	Pipe	129.959	128.400	1.334	129.947	128.350	1.372
12.007	2.426	10.8	225	Pipe	129.947	128.350	1.372	129.965	128.125	1.615
13.000	26.981	224.8	300	Pipe	129.970	128.300	1.370	129.650	128.180	1.170
13.001	13.176	164.7	300	Pipe	129.650	128.180	1.170	129.965	128.100	1.565
13.002	3.202	64.0	300	Pipe	129.965	128.100	1.565	129.965	128.050	1.615
12.008	47.659	45.4	300	Pipe	129.965	128.050	1.615	128.469	127.000	1.169
14.000	6.345	97.6	150	Pipe	128.730	127.215	1.365	128.469	127.150	1.169
12.009	17.247	27.6	300	Pipe	128.469	127.000	1.169	127.792	126.375	1.117
15.000	41.177	48.4	150	Pipe	129.794	128.850	0.794	129.313	128.000	1.163
15.001	11.874	29.7	150	Pipe	129.313	128.000	1.163	128.903	127.600	1.153
15.002	24.043	24.7	150	Pipe	128.903	127.600	1.153	127.803	126.625	1.028
15.003	3.098	41.3	150	Pipe	127.803	126.625	1.028	127.912	126.550	1.212

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
10.001	32	600	Manhole	Adoptable	33	1200	Manhole	Adoptable
1.009	33	1200	Manhole	Adoptable	34	1200	Manhole	Adoptable
1.010	34	1200	Manhole	Adoptable	35	1200	Manhole	Adoptable
11.000	14	600	Manhole	Adoptable	15	600	Manhole	Adoptable
11.001	15	600	Manhole	Adoptable	15a	600	Manhole	Adoptable
11.002	15a	600	Manhole	Adoptable	35	1200	Manhole	Adoptable
1.011	35	1200	Manhole	Adoptable	Tank 2		Junction	
12.000	Rodding Eye 1	150	Manhole	Adoptable	8a	600	Manhole	Adoptable
12.001	8a	600	Manhole	Adoptable	8b	600	Manhole	Adoptable
12.002	8b	600	Manhole	Adoptable	8c	600	Manhole	Adoptable
12.003	8c	600	Manhole	Adoptable	JCT1		Junction	
12.004	JCT1		Junction		8d	600	Manhole	Adoptable
12.005	8d	600	Manhole	Adoptable	8e	600	Manhole	Adoptable
12.006	8e	600	Manhole	Adoptable	8f	600	Manhole	Adoptable
12.007	8f	600	Manhole	Adoptable	8	1200	Manhole	Adoptable
13.000	5	1200	Manhole	Adoptable	6	1200	Manhole	Adoptable
13.001	6	1200	Manhole	Adoptable	7	1200	Manhole	Adoptable
13.002	7	1200	Manhole	Adoptable	8	1200	Manhole	Adoptable
12.008	8	1200	Manhole	Adoptable	9	1200	Manhole	Adoptable
14.000	10	600	Manhole	Adoptable	9	1200	Manhole	Adoptable
12.009	9	1200	Manhole	Adoptable	12	1200	Manhole	Adoptable
15.000	Rodding Eye 2	150	Manhole	Adoptable	12b	600	Manhole	Adoptable
15.001	12b	600	Manhole	Adoptable	12c	600	Manhole	Adoptable
15.002	12c	600	Manhole	Adoptable	JCT2		Junction	
15.003	JCT2		Junction		12e	600	Manhole	Adoptable

Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
15.004	8.417	168.3	225	Pipe	127.912	126.500	1.187	127.792	126.450	1.117
12.010	18.277	23.6	300	Pipe	127.792	126.375	1.117	126.990	125.599	1.091
12.011	6.617	228.2	300	Pipe	126.990	124.904	1.786	126.485	124.875	1.310
16.000	8.872	227.5	225	Pipe	126.100	125.172	0.703	126.080	125.133	0.722
16.001	17.684	208.1	225	Pipe	126.080	125.133	0.722	126.260	125.048	0.987
16.002	18.062	167.2	225	Pipe	126.260	125.048	0.987	126.325	124.940	1.160
17.000	8.376	147.0	100	Pipe	126.480	125.360	1.020	126.310	125.303	0.907
17.001	6.448	153.5	150	Pipe	126.310	125.303	0.857	126.225	125.261	0.814
17.002	4.093	25.4	150	Pipe	126.225	125.261	0.814	126.185	125.100	0.935
17.003	5.564	55.6	150	Pipe	126.185	125.100	0.935	126.350	125.000	1.200
17.004	15.130	252.2	150	Pipe	126.350	125.000	1.200	126.325	124.940	1.235
18.000	12.248	62.8	225	Pipe	126.010	125.200	0.585	126.075	125.005	0.845
19.000	7.449	95.5	225	Pipe	126.050	125.083	0.742	126.075	125.005	0.845
18.001	10.991	169.1	225	Pipe	126.075	125.005	0.845	126.325	124.940	1.160
16.003	7.067	176.7	225	Pipe	126.325	124.940	1.160	126.500	124.900	1.375
20.000	20.411	160.7	225	Pipe	126.405	125.027	1.153	126.500	124.900	1.375
21.000	13.428	134.3	225	Pipe	126.550	125.000	1.325	126.500	124.900	1.375
16.004	1.000	40.0	225	Pipe	126.500	124.900	1.375	126.485	124.875	1.385
1.012	8.027	472.2	450	Pipe	126.485	124.875	1.160	126.510	124.858	1.202
1.013	20.429	159.6	225	Pipe	126.510	124.858	1.427	125.800	124.730	0.845
22.000	8.810	78.0	150	Pipe	130.350	127.315	2.885	130.000	127.202	2.648
22.001	36.016	83.0	150	Pipe	130.000	127.202	2.648	130.000	126.768	3.082
22.002	80.730	83.1	150	Pipe	130.000	126.768	3.082	126.880	125.796	0.934

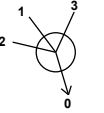
Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
15.004	12e	600	Manhole	Adoptable	12	1200	Manhole	Adoptable
12.010	12	1200	Manhole	Adoptable	13	600	Manhole	Adoptable
12.011	13	600	Manhole	Adoptable	Tank 2		Junction	
16.000	46	600	Manhole	Adoptable	47	600	Manhole	Adoptable
16.001	47	600	Manhole	Adoptable	48	600	Manhole	Adoptable
16.002	48	600	Manhole	Adoptable	49	600	Manhole	Adoptable
17.000	41	600	Manhole	Adoptable	42	600	Manhole	Adoptable
17.001	42	600	Manhole	Adoptable	43	600	Manhole	Adoptable
17.002	43	600	Manhole	Adoptable	44	600	Manhole	Adoptable
17.003	44	600	Manhole	Adoptable	45	600	Manhole	Adoptable
17.004	45	600	Manhole	Adoptable	49	600	Manhole	Adoptable
18.000	36	600	Manhole	Adoptable	40a	600	Manhole	Adoptable
19.000	39	600	Manhole	Adoptable	40a	600	Manhole	Adoptable
18.001	40a	600	Manhole	Adoptable	49	600	Manhole	Adoptable
16.003	49	600	Manhole	Adoptable	52	600	Manhole	Adoptable
20.000	51	600	Manhole	Adoptable	52	600	Manhole	Adoptable
21.000	50	600	Manhole	Adoptable	52	600	Manhole	Adoptable
16.004	52	600	Manhole	Adoptable	Tank 2		Junction	
1.012	Tank 2		Junction		53	1350	Manhole	Adoptable
1.013	53	1350	Manhole	Adoptable	CW32	600	Manhole	Adoptable
22.000	SWD1	1200	Manhole	Adoptable	SWD2	600	Manhole	Adoptable
22.001	SWD2	600	Manhole	Adoptable	SWD3	1200	Manhole	Adoptable
22.002	SWD3	1200	Manhole	Adoptable	SWD4	1200	Manhole	Adoptable

Pipeline Schedule

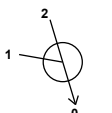
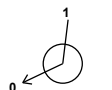
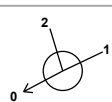
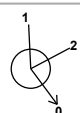
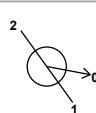
Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
22.003	13.948	83.0	150	Pipe	126.880	125.796	0.934	126.525	125.628	0.747
22.004	5.385	82.8	150	Pipe	126.525	125.628	0.747	126.525	125.563	0.812
22.005	30.756	84.7	150	Pipe	126.525	125.563	0.812	126.200	125.200	0.850
1.014	9.825	163.8	225	Pipe	125.800	124.730	0.845	125.400	124.670	0.505

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
22.003	SWD4	1200	Manhole	Adoptable	SWD5	600	Manhole	Adoptable
22.004	SWD5	600	Manhole	Adoptable	SWD6	1200	Manhole	Adoptable
22.005	SWD6	1200	Manhole	Adoptable	SW Headwall		Junction	
1.014	CW32	600	Manhole	Adoptable	CW Outfall		Junction	

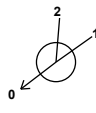
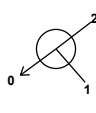
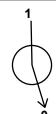
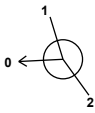
Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
Rodding Eye 3	431631.602	306124.491	130.074	1.274	150				
						0	1.000	128.800	150
24e	431620.531	306118.250	129.794	1.349	600		1	1.000	128.520
						0	1.001	128.445	150
S24a	431581.773	306106.392	128.984	1.484	1200				
						0	2.000	127.500	150
24b	431591.376	306104.909	129.136	1.736	600		1	2.000	127.400
						0	2.001	127.400	150
Rodding Eye 4	431603.779	306111.183	129.457	1.457	150				
						0	3.000	128.000	150
24c	431612.198	306100.007	129.148	2.043	600		1	3.000	127.180
						2	2.001	127.180	150
						3	1.001	127.180	150
						0	1.002	127.105	150
Rodding Eye 5	431588.467	306091.380	128.452	1.302	150				
						0	4.000	127.150	150
24f	431591.072	306086.743	128.300	1.250	600		1	4.000	127.050
						0	4.001	127.050	150
24g	431594.949	306084.996	128.277	1.352	600		1	4.001	127.000
						0	4.002	126.925	225

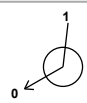
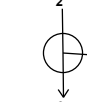
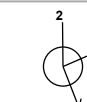
Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
24h	431605.637	306086.356	128.534	1.684	600		1 4.002	126.850	225
24d	431616.873	306084.401	128.950	2.170	600		0 4.003	126.850	225
							2 1.002	126.780	150
							0 1.003	126.780	225
Rodding Eye 6	431632.626	306073.619	128.533	1.533	150		0 5.000	127.000	150
24i	431632.014	306068.565	128.381	1.581	600		1 5.000	126.800	150
24	431622.954	306064.256	128.013	1.691	1200		0 5.001	126.800	150
							1 5.001	126.397	150
							2 1.003	126.322	225
25a	431583.448	306066.189	126.780	1.094	600		0 6.000	125.686	150
							1 6.000	125.550	150
							0 6.001	125.550	150
25	431591.821	306047.763	126.775	1.375	1200		1 6.001	125.475	150
							2 1.004	125.400	225
							0 1.005	125.400	225
27	431584.829	306042.689	126.860	1.210	600		0 7.000	125.650	150
26	431600.548	306020.915	126.850	1.200	600		0 8.000	125.650	150
28	431594.442	306029.350	126.750	1.251	600		1 8.000	125.499	150
							2 7.000	125.499	150
							0 7.001	125.499	150
Tank 1	431607.266	306026.969	126.801	1.431			1 7.001	125.370	150
28a	431608.255	306025.585	126.838	1.478	1200		2 1.005	125.370	225
							0 1.006	125.370	300
							1 1.006	125.360	300

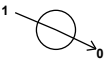
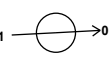
Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
29	431616.317	306029.079	126.861	1.039	600		0	9.000	125.822	225
30	431608.064	306023.244	126.877	1.537	600		1 2 0	9.000 1.007 1.008	125.340 125.340 125.340	225 225 300
31	431625.768	306014.523	126.875	1.389	600		0	10.000	125.486	225
32	431603.562	305998.325	126.850	1.526	600		1 0	10.000 10.001	125.324 125.324	225 225
33	431592.318	306011.192	126.825	1.677	1200		1 2 0	10.001 1.008 1.009	125.223 125.223 125.148	225 300 300
34	431584.351	306005.321	126.775	1.667	1200		1 0	1.009 1.010	125.108 125.108	300 300
14	431560.026	306044.177	126.850	1.675	600		0	11.000	125.175	150
15	431566.011	306036.007	126.875	1.764	600		1 0	11.000 11.001	125.111 125.111	150 150
15a	431566.107	306031.505	126.825	1.741	600		1 0	11.001 11.002	125.084 125.084	150 225
35	431566.589	306029.924	126.800	1.816	1200		1 2 0	11.002 1.010 1.011	125.059 124.984 124.984	225 300 300
Rodding Eye 1	431547.878	306155.192	131.000	1.250	150		0	12.000	129.750	150
8a	431560.567	306153.931	131.137	1.517	600		1 0	12.000 12.001	129.620 129.620	150 150
8b	431562.616	306150.913	131.014	1.444	600		1 0	12.001 12.002	129.570 129.570	150 150

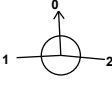
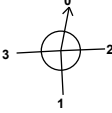
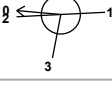
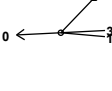
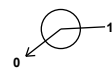
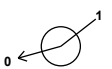
Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
8c	431560.143	306129.308	129.900	1.160	600		1	12.002	128.740	150
							0	12.003	128.740	150
JCT1	431546.731	306121.627	129.909	1.324			1	12.003	128.585	150
							0	12.004	128.585	150
8d	431543.641	306121.052	129.930	1.455	600		1	12.004	128.550	150
							0	12.005	128.475	225
8e	431532.934	306126.240	129.959	1.559	600		1	12.005	128.400	225
							0	12.006	128.400	225
8f	431529.032	306126.253	129.947	1.597	600		1	12.006	128.350	225
							0	12.007	128.350	225
5	431566.394	306130.156	129.970	1.670	1200					
							0	13.000	128.300	300
6	431543.157	306116.444	129.650	1.470	1200		1	13.000	128.180	300
							0	13.001	128.180	300
7	431532.269	306123.865	129.965	1.865	1200		1	13.001	128.100	300
							0	13.002	128.100	300
8	431529.069	306123.827	129.965	1.915	1200		1	13.002	128.050	300
							2	12.007	128.125	225
							0	12.008	128.050	300
10	431535.412	306078.699	128.730	1.515	600					
							0	14.000	127.215	150
9	431529.592	306076.171	128.469	1.469	1200		1	14.000	127.150	150
							2	12.008	127.000	300
							0	12.009	127.000	300
Rodding Eye 2	431497.424	306124.877	129.794	0.944	150					
							0	15.000	128.850	150
12b	431501.169	306083.871	129.313	1.313	600		1	15.000	128.000	150
							0	15.001	128.000	150

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
12c	431512.111	306079.259	128.903	1.303	600		1 15.001	127.600	150
						0	15.002	127.600	150
JCT2	431533.825	306068.936	127.803	1.178			1 15.002	126.625	150
						0	15.003	126.625	150
12e	431536.885	306068.452	127.912	1.412	600		1 15.003	126.550	150
						0	15.004	126.500	225
12	431535.849	306060.099	127.792	1.417	1200		1 15.004	126.450	225
						2 12.009	126.375	300	
						0	12.010	126.375	300
13	431533.786	306041.939	126.990	2.086	600		1 12.010	125.599	300
						0	12.011	124.904	300
46	431497.261	306026.340	126.100	0.928	600		0 16.000	125.172	225
47	431497.547	306017.473	126.080	0.947	600		1 16.000	125.133	225
						0	16.001	125.133	225
48	431515.208	306018.380	126.260	1.212	600		1 16.001	125.048	225
						0	16.002	125.048	225
41	431560.582	306027.437	126.480	1.120	600		0 17.000	125.360	100
42	431558.660	306019.284	126.310	1.007	600		1 17.000	125.303	100
						0	17.001	125.303	150
43	431553.582	306015.311	126.225	0.964	600		1 17.001	125.261	150
						0	17.002	125.261	150
44	431549.570	306014.503	126.185	1.085	600		1 17.002	125.100	150
						0	17.003	125.100	150
45	431548.363	306019.934	126.350	1.350	600		1 17.003	125.000	150
						0	17.004	125.000	150

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
36	431546.007	306007.240	126.010	0.810	600		0	18.000	125.200 225
39	431526.372	306007.980	126.050	0.967	600		0	19.000	125.083 225
40a	431533.811	306008.363	126.075	1.070	600		1 2 0	19.000 18.000 18.001	125.005 225 125.005 225 125.005 225
49	431533.245	306019.339	126.325	1.385	600		1 2 3 0	18.001 17.004 16.002 16.003	124.940 225 124.940 150 124.940 225 124.940 225
51	431514.197	306025.225	126.405	1.378	600		0	20.000	125.027 225
50	431547.993	306026.938	126.550	1.550	600		0	21.000	125.000 225
52	431534.581	306026.279	126.500	1.600	600		1 2 3 0	21.000 20.000 16.003 16.004	124.900 225 124.900 225 124.900 225 124.900 225
Tank 2	431519.997	306027.567	126.485	1.610			1 2 3 0	16.004 12.011 1.011 1.012	124.875 225 124.875 300 124.875 300 124.875 450
53	431511.980	306027.168	126.510	1.652	1350		1 0	1.012 1.013	124.858 450 124.858 225
CW32	431495.856	306014.623	125.800	1.070	600		1 0	1.013 1.014	124.730 225 124.730 225
SWD1	431564.194	306140.714	130.350	3.035	1200		0	22.000	127.315 150
SWD2	431564.329	306131.905	130.000	2.798	600		1 0	22.000 22.001	127.202 150 127.202 150
SWD3	431530.530	306119.463	130.000	3.232	1200		1 0	22.001 22.002	126.768 150 126.768 150

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
SWD5	431518.729	306036.852	126.525	0.897	600		1 22.003	125.628	150
SW Headwall	431489.191	306019.896	126.200	1.000			0 22.004 1 22.005	125.628 125.200	150 150
SWD4	431532.546	306038.758	126.880	1.084	1200		1 22.002	125.796	150
SWD6	431517.642	306031.578	126.525	0.962	1200		0 22.003 1 22.004	125.796 125.563	150 150
CW Outfall	431486.392	306011.984	125.400	0.730			0 22.005 1 1.014	125.563 124.670	150 225

Simulation Settings

Rainfall Methodology	FSR	Skip Steady State	x
Rainfall Events	Singular	Drain Down Time (mins)	240
FSR Region	England and Wales	Additional Storage (m³/ha)	20.0
M5-60 (mm)	20.000	Starting Level (m)	
Ratio-R	0.400	Check Discharge Rate(s)	x
Summer CV	0.750	Check Discharge Volume	x
Analysis Speed	Normal		

Storm Durations

15 | 30 | 60 | 120 | 180 | 240 | 360 | 480 | 600 | 720 | 960 | 1440 | 2160

Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)
1	0	0	0
30	0	0	0
100	40	0	0

Node 28a Online Hydro-Brake® Control

Flap Valve	x	Objective	(HE) Minimise upstream storage
Downstream Link	1.007	Sump Available	✓
Replaces Downstream Link	✓	Product Number	CTL-SHE-0067-2000-1000-2000
Invert Level (m)	125.360	Min Outlet Diameter (m)	0.100
Design Depth (m)	1.000	Min Node Diameter (mm)	1200
Design Flow (l/s)	2.0		

Node 53 Online Hydro-Brake® Control

Flap Valve	x	Objective	(HE) Minimise upstream storage
Downstream Link	1.013	Sump Available	✓
Replaces Downstream Link	✓	Product Number	CTL-SHE-0144-1000-1125-1000
Invert Level (m)	124.858	Min Outlet Diameter (m)	0.225
Design Depth (m)	1.125	Min Node Diameter (mm)	1200
Design Flow (l/s)	10.0		

Node Tank 1 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	125.370
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Time to half empty (mins)	

Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)
0.000	220.0	0.0	0.750	220.0	0.0	0.751	0.0	0.0

Node Tank 2 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	124.875
Side Inf Coefficient (m/hr)	0.00000	Porosity	1.00	Time to half empty (mins)	

Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)
0.000	373.5	0.0	0.750	373.5	0.0	0.751	0.0	0.0

Node 24e Link Surround Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)	
Side Inf Coefficient (m/hr)	0.00000	Link	1.000
Safety Factor	2.0	Surround Shape	Under Drain Trench
Porosity	0.30	Diameter (mm)	450
Invert Level (m)	128.520		

Approval Settings

Node Size	✓	Minimum Full Bore Velocity (m/s)	
Node Losses	✓	Maximum Full Bore Velocity (m/s)	3.000
Link Size	✓	Proportional Velocity	✓
Minimum Diameter (mm)	150	Return Period (years)	
Link Length	✓	Minimum Proportional Velocity (m/s)	0.750
Maximum Length (m)	100.000	Maximum Proportional Velocity (m/s)	3.000
Coordinates	✓	Surcharged Depth	✓
Accuracy (m)	1.000	Return Period (years)	
Crossings	✓	Maximum Surcharged Depth (m)	0.100
Cover Depth	✓	Flooding	✓
Minimum Cover Depth (m)		Return Period (years)	30
Maximum Cover Depth (m)	3.000	Time to Half Empty	x
Backdrops	✓	Discharge Rates	✓
Minimum Backdrop Height (m)		Discharge Volume	✓
Maximum Backdrop Height (m)	1.500	100 year 360 minute (m³)	
Full Bore Velocity	✓		

Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)	Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
1 year 15 minute summer	109.521	30.991	30 year 480 minute summer	24.324	6.428
1 year 30 minute summer	71.439	20.215	30 year 600 minute summer	19.756	5.404
1 year 60 minute summer	48.435	12.800	30 year 720 minute summer	17.490	4.687
1 year 120 minute summer	30.053	7.942	30 year 960 minute summer	14.215	3.743
1 year 180 minute summer	23.233	5.979	30 year 1440 minute summer	10.161	2.723
1 year 240 minute summer	18.475	4.882	30 year 2160 minute summer	7.160	1.979
1 year 360 minute summer	14.169	3.646	100 year +40% CC 15 minute summer	488.233	138.153
1 year 480 minute summer	11.185	2.956	100 year +40% CC 30 minute summer	320.551	90.705
1 year 600 minute summer	9.182	2.511	100 year +40% CC 60 minute summer	214.603	56.713
1 year 720 minute summer	8.203	2.199	100 year +40% CC 120 minute summer	129.587	34.246
1 year 960 minute summer	6.768	1.782	100 year +40% CC 180 minute summer	97.729	25.149
1 year 1440 minute summer	4.949	1.326	100 year +40% CC 240 minute summer	75.977	20.078
1 year 2160 minute summer	3.574	0.988	100 year +40% CC 360 minute summer	56.677	14.585
30 year 15 minute summer	268.706	76.035	100 year +40% CC 480 minute summer	43.979	11.622
30 year 30 minute summer	174.929	49.499	100 year +40% CC 600 minute summer	35.604	9.738
30 year 60 minute summer	116.589	30.811	100 year +40% CC 720 minute summer	31.433	8.424
30 year 120 minute summer	70.438	18.615	100 year +40% CC 960 minute summer	25.432	6.697
30 year 180 minute summer	53.298	13.715	100 year +40% CC 1440 minute summer	18.055	4.839
30 year 240 minute summer	41.604	10.995	100 year +40% CC 2160 minute summer	12.630	3.490
30 year 360 minute summer	31.221	8.034			

Results for 1 year Critical Storm Duration. Lowest mass balance: 99.28%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	Rodding Eye 3	1	128.800	0.000	0.0	0.0000	0.0000	OK
15 minute summer	1.000:50%	11	128.682	0.022	1.2	0.0012	0.0000	OK
15 minute summer	24e	11	128.462	0.017	1.2	0.0048	0.0000	OK
15 minute summer	1.001:50%	10	127.838	0.026	2.8	0.0000	0.0000	OK
15 minute summer	S24a	10	127.544	0.044	3.2	0.0641	0.0000	OK
15 minute summer	24b	10	127.442	0.042	3.1	0.0120	0.0000	OK
15 minute summer	2.001:50%	10	127.344	0.054	4.9	0.0000	0.0000	OK
15 minute summer	Rodding Eye 4	1	128.000	0.000	0.0	0.0000	0.0000	OK
15 minute summer	3.000:50%	11	127.610	0.020	1.6	0.0054	0.0000	OK
15 minute summer	24c	10	127.170	0.065	9.2	0.0184	0.0000	OK
15 minute summer	1.002:50%	11	127.012	0.069	10.4	0.1021	0.0000	OK
15 minute summer	Rodding Eye 5	1	127.150	0.000	0.0	0.0000	0.0000	OK
15 minute summer	4.000:50%	10	127.132	0.032	2.2	0.0000	0.0000	OK
15 minute summer	24f	10	127.089	0.039	2.2	0.0109	0.0000	OK
15 minute summer	4.001:50%	10	127.078	0.053	4.5	0.0000	0.0000	OK
15 minute summer	24g	10	126.979	0.054	4.8	0.0177	0.0000	OK
15 minute summer	4.002:50%	10	126.954	0.066	7.3	0.0294	0.0000	OK
15 minute summer	24h	10	126.919	0.069	7.3	0.0196	0.0000	OK
15 minute summer	4.003:50%	11	126.891	0.076	8.7	0.0000	0.0000	OK
15 minute summer	24d	11	126.859	0.079	19.1	0.0225	0.0000	OK
15 minute summer	Rodding Eye 6	1	127.000	0.000	0.0	0.0000	0.0000	OK
15 minute summer	5.000:50%	10	126.915	0.015	0.7	0.0000	0.0000	OK
15 minute summer	24i	10	126.815	0.015	0.7	0.0041	0.0000	OK
15 minute summer	5.001:50%	11	126.619	0.021	1.4	0.0000	0.0000	OK
15 minute summer	24	11	126.399	0.077	20.6	0.0870	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	Rodding Eye 3	1.000	1.000:50%	0.0	0.000	0.000	0.0051	
15 minute summer	Rodding Eye 3	1.000	24e	1.2	0.753	0.045	0.0101	
15 minute summer	24e	1.001	1.001:50%	1.2	0.794	0.027	0.0155	
15 minute summer	24e	1.001	24c	2.8	1.403	0.062	0.0199	
15 minute summer	S24a	2.000	24b	3.1	0.750	0.175	0.0408	
15 minute summer	24b	2.001	2.001:50%	3.1	0.635	0.172	0.0526	
15 minute summer	24b	2.001	24c	4.9	0.858	0.270	0.0605	
15 minute summer	Rodding Eye 4	3.000	3.000:50%	0.0	0.000	0.000	0.0049	
15 minute summer	Rodding Eye 4	3.000	24c	1.6	1.159	0.037	0.0097	
15 minute summer	24c	1.002	1.002:50%	9.2	1.214	0.365	0.0620	
15 minute summer	24c	1.002	24d	10.5	1.202	0.415	0.0709	
15 minute summer	Rodding Eye 5	4.000	4.000:50%	0.0	0.000	0.000	0.0036	
15 minute summer	Rodding Eye 5	4.000	24f	2.2	0.698	0.090	0.0083	
15 minute summer	24f	4.001	4.001:50%	2.2	0.478	0.112	0.0097	
15 minute summer	24f	4.001	24g	4.4	0.845	0.231	0.0112	
15 minute summer	24g	4.002	4.002:50%	4.8	0.565	0.111	0.0461	
15 minute summer	24g	4.002	24h	7.3	0.723	0.168	0.0542	
15 minute summer	24h	4.003	4.003:50%	7.3	0.658	0.179	0.0629	
15 minute summer	24h	4.003	24d	8.7	0.718	0.214	0.0690	
15 minute summer	24d	1.003	24	19.2	1.568	0.250	0.2575	
15 minute summer	Rodding Eye 6	5.000	5.000:50%	0.0	0.000	0.000	0.0012	
15 minute summer	Rodding Eye 6	5.000	24i	0.7	0.781	0.020	0.0023	
15 minute summer	24i	5.001	5.001:50%	0.7	0.605	0.020	0.0059	
15 minute summer	24i	5.001	24	1.4	0.973	0.039	0.0072	
15 minute summer	24	1.004	1.004:50%	20.6	1.699	0.244	0.2138	

Results for 1 year Critical Storm Duration. Lowest mass balance: 99.28%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	1.004:50%	11	125.939	0.078	22.3	0.0890	0.0000	OK
15 minute summer	25a	10	125.712	0.026	1.1	0.0110	0.0000	OK
15 minute summer	25b	11	125.575	0.025	1.1	0.0070	0.0000	OK
15 minute summer	25	11	125.529	0.129	23.3	0.1456	0.0000	OK
240 minute summer	1.005:50%	184	125.510	0.125	7.4	0.0000	0.0000	OK
15 minute summer	27	10	125.709	0.059	5.1	0.0538	0.0000	OK
15 minute summer	26	10	125.680	0.030	1.9	0.0155	0.0000	OK
15 minute summer	28	10	125.545	0.046	6.9	0.0130	0.0000	OK
240 minute summer	Tank 1	184	125.510	0.140	11.3	29.3721	0.0000	OK
240 minute summer	28a	184	125.510	0.150	1.8	0.1697	0.0000	OK
15 minute summer	29	10	125.855	0.033	5.0	0.0327	0.0000	OK
15 minute summer	9.000:50%	10	125.613	0.032	5.1	0.0123	0.0000	OK
15 minute summer	30	10	125.390	0.050	5.1	0.0142	0.0000	OK
15 minute summer	1.008:50%	11	125.344	0.063	7.9	0.1120	0.0000	OK
15 minute summer	31	10	125.523	0.037	2.4	0.0200	0.0000	OK
15 minute summer	10.000:50%	11	125.454	0.049	4.1	0.0343	0.0000	OK
15 minute summer	32	11	125.374	0.049	4.1	0.0140	0.0000	OK
15 minute summer	33	11	125.242	0.094	12.0	0.1062	0.0000	OK
15 minute summer	1.009:50%	11	125.227	0.099	13.8	0.0000	0.0000	OK
15 minute summer	34	11	125.208	0.100	16.0	0.1333	0.0000	OK
15 minute summer	1.010:50%	11	125.152	0.106	19.1	0.0470	0.0000	OK
15 minute summer	14	10	125.226	0.051	3.1	0.0285	0.0000	OK
15 minute summer	11.000:50%	10	125.206	0.063	4.8	0.0417	0.0000	OK
15 minute summer	15	10	125.174	0.063	4.7	0.0178	0.0000	OK
15 minute summer	15a	11	125.132	0.048	4.7	0.0135	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	24	1.004	25	22.2	1.247	0.264	0.3151	
15 minute summer	25a	6.000	25b	1.1	0.555	0.060	0.0263	
15 minute summer	25b	6.001	25	1.0	0.460	0.059	0.0284	
15 minute summer	25	1.005	1.005:50%	23.2	1.028	0.516	0.0452	
15 minute summer	25	1.005	Tank 1	25.8	2.220	0.573	0.0278	
15 minute summer	27	7.000	28	5.0	0.926	0.297	0.0905	
15 minute summer	26	8.000	28	1.9	0.538	0.088	0.0369	
15 minute summer	28	7.001	Tank 1	6.9	2.377	0.167	0.0118	
240 minute summer	Tank 1	1.006	28a	1.8	0.151	0.021	0.0574	
240 minute summer	28a	Hydro-Brake®	30	1.8				
15 minute summer	29	9.000	9.000:50%	5.0	1.409	0.044	0.0178	
15 minute summer	29	9.000	30	5.1	1.018	0.044	0.0254	
15 minute summer	30	1.008	1.008:50%	5.0	0.554	0.059	0.0910	
15 minute summer	30	1.008	33	7.9	0.756	0.093	0.1039	
15 minute summer	31	10.000	10.000:50%	2.4	0.450	0.060	0.0729	
15 minute summer	31	10.000	32	4.1	0.639	0.102	0.0879	
15 minute summer	32	10.001	33	4.0	0.640	0.102	0.1081	
15 minute summer	33	1.009	1.009:50%	12.0	0.616	0.170	0.0965	
15 minute summer	33	1.009	34	13.8	0.677	0.196	0.1007	
15 minute summer	34	1.010	1.010:50%	16.0	0.748	0.226	0.3238	
15 minute summer	34	1.010	35	19.0	0.998	0.269	0.2903	
15 minute summer	14	11.000	11.000:50%	3.1	0.504	0.219	0.0310	
15 minute summer	14	11.000	15	4.7	0.675	0.336	0.0355	
15 minute summer	15	11.001	15a	4.7	0.799	0.343	0.0266	
15 minute summer	15a	11.002	35	4.7	0.850	0.074	0.0092	

Results for 1 year Critical Storm Duration. Lowest mass balance: 99.28%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	35	11	125.068	0.084	23.8	0.0950	0.0000	OK
15 minute summer	Rodding Eye 1	1	129.750	0.000	0.0	0.0000	0.0000	OK
15 minute summer	12.000:50%	10	129.738	0.053	4.5	0.0082	0.0000	OK
15 minute summer	8a	10	129.673	0.053	4.5	0.0149	0.0000	OK
15 minute summer	12.001:50%	10	129.648	0.053	4.9	0.0000	0.0000	OK
15 minute summer	8b	10	129.608	0.038	4.9	0.0108	0.0000	OK
15 minute summer	12.002:50%	10	129.210	0.055	10.0	0.0000	0.0000	OK
15 minute summer	8c	10	128.827	0.087	10.0	0.0246	0.0000	OK
15 minute summer	12.003:50%	10	128.760	0.097	13.3	0.0039	0.0000	OK
15 minute summer	JCT1	11	128.688	0.103	13.2	0.0000	0.0000	OK
15 minute summer	12.004:50%	11	128.676	0.108	14.2	0.0000	0.0000	OK
15 minute summer	8d	11	128.577	0.101	14.2	0.0287	0.0000	OK
15 minute summer	12.005:50%	11	128.545	0.108	18.0	0.0000	0.0000	OK
15 minute summer	8e	11	128.499	0.099	18.1	0.0279	0.0000	OK
15 minute summer	12.006:50%	11	128.469	0.094	18.7	0.0000	0.0000	OK
15 minute summer	8f	11	128.414	0.064	18.8	0.0181	0.0000	OK
15 minute summer	5	10	128.342	0.041	3.2	0.0587	0.0000	OK
15 minute summer	6	11	128.236	0.056	6.3	0.0815	0.0000	OK
15 minute summer	7	11	128.148	0.048	6.2	0.0546	0.0000	OK
15 minute summer	8	11	128.131	0.081	25.0	0.0912	0.0000	OK
15 minute summer	10	10	127.260	0.045	3.2	0.0269	0.0000	OK
15 minute summer	9	11	127.075	0.075	28.0	0.0847	0.0000	OK
15 minute summer	Rodding Eye 2	10	128.877	0.027	1.8	0.0079	0.0000	OK
15 minute summer	15.000:50%	10	128.470	0.045	4.8	0.0033	0.0000	OK
15 minute summer	12b	10	128.040	0.040	4.7	0.0113	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	35	1.011	Tank 2	23.8	2.507	0.151	0.0691	
15 minute summer	Rodding Eye 1	12.000	12.000:50%	0.0	0.000	0.000	0.0177	
15 minute summer	Rodding Eye 1	12.000	8a	4.5	0.810	0.250	0.0352	
15 minute summer	8a	12.001	12.001:50%	4.4	0.805	0.214	0.0101	
15 minute summer	8a	12.001	8b	4.9	1.092	0.236	0.0083	
15 minute summer	8b	12.002	12.002:50%	4.9	1.057	0.140	0.0507	
15 minute summer	8b	12.002	8c	10.0	1.218	0.285	0.0891	
15 minute summer	8c	12.003	12.003:50%	9.9	0.877	0.556	0.0876	
15 minute summer	8c	12.003	JCT1	13.2	1.056	0.743	0.0966	
15 minute summer	JCT1	12.004	12.004:50%	13.2	0.994	0.702	0.0209	
15 minute summer	JCT1	12.004	8d	14.2	1.111	0.758	0.0201	
15 minute summer	8d	12.005	12.005:50%	14.2	0.788	0.346	0.1075	
15 minute summer	8d	12.005	8e	18.1	1.020	0.440	0.1056	
15 minute summer	8e	12.006	12.006:50%	18.1	1.122	0.308	0.0315	
15 minute summer	8e	12.006	8f	18.8	1.517	0.318	0.0243	
15 minute summer	8f	12.007	8	18.8	2.327	0.118	0.0196	
15 minute summer	5	13.000	6	3.1	0.417	0.042	0.2014	
15 minute summer	6	13.001	7	6.2	0.759	0.072	0.1080	
15 minute summer	7	13.002	8	6.2	0.560	0.045	0.0360	
15 minute summer	8	12.008	9	25.0	1.729	0.151	0.6895	
15 minute summer	10	14.000	9	3.2	0.740	0.176	0.0271	
15 minute summer	9	12.009	12	28.0	1.861	0.132	0.2597	
15 minute summer	Rodding Eye 2	15.000	15.000:50%	1.8	0.552	0.070	0.0675	
15 minute summer	Rodding Eye 2	15.000	12b	4.7	1.155	0.185	0.0844	
15 minute summer	12b	15.001	12c	4.7	1.325	0.144	0.0422	

Results for 1 year Critical Storm Duration. Lowest mass balance: 99.28%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	12c	11	127.637	0.037	4.7	0.0104	0.0000	OK
15 minute summer	15.002:50%	10	127.160	0.048	8.0	0.0222	0.0000	OK
15 minute summer	JCT2	11	126.682	0.057	7.9	0.0000	0.0000	OK
15 minute summer	15.003:50%	11	126.653	0.066	8.7	0.0292	0.0000	OK
15 minute summer	12e	11	126.576	0.076	8.7	0.0215	0.0000	OK
15 minute summer	12	11	126.460	0.085	36.7	0.0962	0.0000	OK
15 minute summer	13	11	125.052	0.148	36.6	0.0418	0.0000	OK
15 minute summer	46	10	125.214	0.042	0.2	0.0119	0.0000	OK
15 minute summer	16.000:50%	11	125.214	0.061	5.3	0.0993	0.0000	OK
15 minute summer	47	11	125.192	0.059	5.2	0.0168	0.0000	OK
15 minute summer	48	11	125.105	0.056	5.2	0.0160	0.0000	OK
15 minute summer	16.002:50%	11	125.057	0.063	7.0	0.0360	0.0000	OK
15 minute summer	41	11	125.401	0.041	0.3	0.0117	0.0000	OK
15 minute summer	17.000:50%	11	125.401	0.069	4.3	0.1066	0.0000	OK
15 minute summer	42	11	125.363	0.060	4.1	0.0170	0.0000	OK
15 minute summer	17.001:50%	11	125.343	0.061	5.0	0.0944	0.0000	OK
15 minute summer	43	11	125.302	0.041	5.0	0.0117	0.0000	OK
15 minute summer	17.002:50%	11	125.226	0.045	6.1	0.0496	0.0000	OK
15 minute summer	44	11	125.156	0.056	6.1	0.0159	0.0000	OK
15 minute summer	45	11	125.088	0.088	6.1	0.0249	0.0000	OK
15 minute summer	17.004:50%	11	125.072	0.102	7.6	0.0980	0.0000	OK
15 minute summer	36	1	125.200	0.000	0.0	0.0000	0.0000	OK
15 minute summer	18.000:50%	10	125.132	0.030	2.5	0.0000	0.0000	OK
15 minute summer	39	1	125.083	0.000	0.0	0.0000	0.0000	OK
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	12c	15.002	15.002:50%	4.7	1.163	0.131	0.0490	
15 minute summer	12c	15.002	JCT2	7.9	1.437	0.219	0.0661	
15 minute summer	JCT2	15.003	15.003:50%	7.9	1.160	0.284	0.0105	
15 minute summer	JCT2	15.003	12e	8.7	1.278	0.314	0.0106	
15 minute summer	12e	15.004	12	8.7	0.778	0.219	0.0946	
15 minute summer	12	12.010	13	36.6	2.321	0.159	0.2883	
15 minute summer	13	12.011	Tank 2	36.6	2.043	0.499	0.1418	
15 minute summer	46	16.000	16.000:50%	-0.2	-0.070	-0.006	0.0305	
15 minute summer	46	16.000	47	5.2	0.609	0.151	0.0377	
15 minute summer	47	16.001	48	5.2	0.646	0.145	0.1424	
15 minute summer	48	16.002	16.002:50%	5.2	0.615	0.130	0.0764	
15 minute summer	48	16.002	49	7.0	0.482	0.173	0.1320	
15 minute summer	41	17.000	17.000:50%	-0.3	-0.110	-0.056	0.0185	
15 minute summer	41	17.000	42	4.1	0.772	0.833	0.0224	
15 minute summer	42	17.001	17.001:50%	4.1	0.622	0.289	0.0214	
15 minute summer	42	17.001	43	5.0	0.946	0.350	0.0172	
15 minute summer	43	17.002	17.002:50%	5.0	1.195	0.141	0.0086	
15 minute summer	43	17.002	44	6.1	1.160	0.171	0.0107	
15 minute summer	44	17.003	45	6.1	0.725	0.254	0.0466	
15 minute summer	45	17.004	17.004:50%	6.0	0.512	0.539	0.0886	
15 minute summer	45	17.004	49	7.5	0.558	0.676	0.1022	
15 minute summer	36	18.000	18.000:50%	0.0	0.000	0.000	0.0095	
15 minute summer	36	18.000	40a	2.5	0.523	0.038	0.0296	
15 minute summer	39	19.000	19.000:50%	0.0	0.000	0.000	0.0057	

Results for 1 year Critical Storm Duration. Lowest mass balance: 99.28%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	19.000:50%	10	125.074	0.030	2.0	0.0000	0.0000	OK
15 minute summer	40a	10	125.055	0.050	4.5	0.0142	0.0000	OK
15 minute summer	49	11	125.054	0.114	18.6	0.0322	0.0000	OK
15 minute summer	51	1	125.027	0.000	0.0	0.0000	0.0000	OK
240 minute summer	20.000:50%	160	125.024	0.060	1.3	0.0000	0.0000	OK
240 minute summer	50	160	125.024	0.024	0.1	0.0069	0.0000	OK
240 minute summer	21.000:50%	160	125.025	0.075	1.2	0.0000	0.0000	OK
240 minute summer	52	152	125.031	0.131	8.1	0.0370	0.0000	OK
240 minute summer	Tank 2	160	125.024	0.149	28.4	55.7309	0.0000	OK
240 minute summer	53	160	125.023	0.165	9.2	0.2367	0.0000	OK
240 minute summer	CW32	160	124.805	0.075	9.2	0.0212	0.0000	OK
15 minute summer	SWD1	1	127.315	0.000	0.0	0.0000	0.0000	OK
15 minute summer	SWD2	1	127.202	0.000	0.0	0.0000	0.0000	OK
15 minute summer	SWD3	1	126.768	0.000	0.0	0.0000	0.0000	OK
15 minute summer	SWD5	1	125.628	0.000	0.0	0.0000	0.0000	OK
15 minute summer	SW Headwall	1	125.200	0.000	0.0	0.0000	0.0000	OK
15 minute summer	SWD4	1	125.796	0.000	0.0	0.0000	0.0000	OK
15 minute summer	SWD6	1	125.563	0.000	0.0	0.0000	0.0000	OK
240 minute summer	CW Outfall	160	124.742	0.072	9.2	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	39	19.000	40a	2.0	0.420	0.037	0.0180	
15 minute summer	40a	18.001	49	4.4	0.364	0.110	0.1460	
15 minute summer	49	16.003	52	18.4	1.060	0.473	0.1230	
15 minute summer	51	20.000	20.000:50%	0.0	0.000	0.000	0.0342	
15 minute summer	51	20.000	52	4.7	0.483	0.114	0.1085	
240 minute summer	50	21.000	21.000:50%	-0.1	-0.012	-0.002	0.0466	
240 minute summer	50	21.000	52	1.3	0.175	0.029	0.1162	
240 minute summer	52	16.004	Tank 2	13.7	1.224	0.167	0.0258	
240 minute summer	Tank 2	1.012	53	9.2	0.228	0.062	0.3960	
240 minute summer	53	Hydro-Brake®	CW32	9.2				
240 minute summer	CW32	1.014	CW Outfall	9.2	0.818	0.227	0.1107	117.1
15 minute summer	SWD1	22.000	SWD2	0.0	0.000	0.000	0.0000	
15 minute summer	SWD2	22.001	SWD3	0.0	0.000	0.000	0.0000	
15 minute summer	SWD3	22.002	SWD4	0.0	0.000	0.000	0.0000	
15 minute summer	SWD5	22.004	SWD6	0.0	0.000	0.000	0.0000	
15 minute summer	SWD4	22.003	SWD5	0.0	0.000	0.000	0.0000	
15 minute summer	SWD6	22.005	SW Headwall	0.0	0.000	0.000	0.0000	0.0

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.28%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	Rodding Eye 3	1	128.800	0.000	0.0	0.0000	0.0000	OK
15 minute summer	1.000:50%	10	128.695	0.035	3.0	0.0030	0.0000	OK
15 minute summer	24e	10	128.471	0.026	3.0	0.0074	0.0000	OK
15 minute summer	1.001:50%	10	127.852	0.039	6.8	0.0000	0.0000	OK
15 minute summer	S24a	10	127.573	0.073	7.8	0.1064	0.0000	OK
15 minute summer	24b	10	127.471	0.071	7.7	0.0201	0.0000	OK
15 minute summer	2.001:50%	10	127.383	0.093	12.0	0.0000	0.0000	OK
15 minute summer	Rodding Eye 4	1	128.000	0.000	0.0	0.0000	0.0000	OK
15 minute summer	3.000:50%	10	127.621	0.031	4.0	0.0126	0.0000	OK
15 minute summer	24c	11	127.228	0.123	22.6	0.0347	0.0000	OK
15 minute summer	1.002:50%	11	127.081	0.139	25.4	0.4169	0.0000	OK
15 minute summer	Rodding Eye 5	10	127.153	0.003	0.1	0.0001	0.0000	OK
15 minute summer	4.000:50%	10	127.153	0.053	5.3	0.0000	0.0000	OK
15 minute summer	24f	10	127.120	0.070	5.2	0.0197	0.0000	OK
15 minute summer	4.001:50%	10	127.115	0.089	11.0	0.0000	0.0000	OK
15 minute summer	24g	10	127.019	0.094	11.9	0.0306	0.0000	OK
15 minute summer	4.002:50%	10	127.001	0.114	18.1	0.0877	0.0000	OK
15 minute summer	24h	10	126.970	0.120	17.9	0.0340	0.0000	OK
15 minute summer	4.003:50%	11	126.945	0.130	21.3	0.0000	0.0000	OK
15 minute summer	24d	11	126.914	0.134	46.1	0.0380	0.0000	OK
15 minute summer	Rodding Eye 6	1	127.000	0.000	0.0	0.0000	0.0000	OK
15 minute summer	5.000:50%	10	126.923	0.023	1.7	0.0000	0.0000	OK
15 minute summer	24i	10	126.822	0.022	1.7	0.0063	0.0000	OK
15 minute summer	5.001:50%	10	126.630	0.031	3.4	0.0000	0.0000	OK
15 minute summer	24	11	126.450	0.128	49.5	0.1450	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	Rodding Eye 3	1.000	1.000:50%	0.0	0.000	0.000	0.0099	
15 minute summer	Rodding Eye 3	1.000	24e	3.0	0.976	0.112	0.0193	
15 minute summer	24e	1.001	1.001:50%	3.0	1.044	0.066	0.0287	
15 minute summer	24e	1.001	24c	6.7	1.759	0.150	0.0423	
15 minute summer	S24a	2.000	24b	7.7	0.922	0.429	0.0815	
15 minute summer	24b	2.001	2.001:50%	7.7	0.783	0.427	0.1051	
15 minute summer	24b	2.001	24c	11.9	1.070	0.660	0.1191	
15 minute summer	Rodding Eye 4	3.000	3.000:50%	0.0	0.000	0.000	0.0091	
15 minute summer	Rodding Eye 4	3.000	24c	4.0	1.375	0.092	0.0258	
15 minute summer	24c	1.002	1.002:50%	22.4	1.426	0.890	0.1321	
15 minute summer	24c	1.002	24d	25.0	1.499	0.992	0.1371	
15 minute summer	Rodding Eye 5	4.000	4.000:50%	-0.1	-0.032	-0.003	0.0076	
15 minute summer	Rodding Eye 5	4.000	24f	5.2	0.775	0.214	0.0181	
15 minute summer	24f	4.001	4.001:50%	5.2	0.555	0.270	0.0202	
15 minute summer	24f	4.001	24g	10.9	1.062	0.568	0.0219	
15 minute summer	24g	4.002	4.002:50%	11.9	0.665	0.275	0.0964	
15 minute summer	24g	4.002	24h	17.9	0.860	0.414	0.1121	
15 minute summer	24h	4.003	4.003:50%	17.8	0.788	0.439	0.1290	
15 minute summer	24h	4.003	24d	21.2	0.884	0.522	0.1382	
15 minute summer	24d	1.003	24	46.2	1.923	0.601	0.5059	
15 minute summer	Rodding Eye 6	5.000	5.000:50%	0.0	0.000	0.000	0.0022	
15 minute summer	Rodding Eye 6	5.000	24i	1.7	1.009	0.048	0.0043	
15 minute summer	24i	5.001	5.001:50%	1.7	0.796	0.047	0.0107	
15 minute summer	24i	5.001	24	3.4	1.137	0.094	0.0206	
15 minute summer	24	1.004	1.004:50%	49.6	2.106	0.588	0.4152	

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Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	1.004:50%	11	125.991	0.130	53.6	0.2450	0.0000	OK
240 minute summer	25a	240	125.731	0.045	0.7	0.0194	0.0000	OK
240 minute summer	25b	240	125.731	0.181	0.7	0.0512	0.0000	SURCHARGED
240 minute summer	25	240	125.731	0.331	15.0	0.3742	0.0000	SURCHARGED
240 minute summer	1.005:50%	240	125.731	0.346	16.2	0.0000	0.0000	SURCHARGED
15 minute summer	27	10	125.751	0.101	12.5	0.0923	0.0000	OK
240 minute summer	26	240	125.731	0.081	1.2	0.0416	0.0000	OK
240 minute summer	28	240	125.731	0.232	7.4	0.0656	0.0000	SURCHARGED
240 minute summer	Tank 1	240	125.731	0.361	23.8	75.6733	0.0000	SURCHARGED
240 minute summer	28a	240	125.731	0.371	4.6	0.4194	0.0000	SURCHARGED
15 minute summer	29	10	125.874	0.052	12.2	0.0517	0.0000	OK
15 minute summer	9.000:50%	10	125.631	0.050	12.5	0.0297	0.0000	OK
15 minute summer	30	11	125.423	0.083	12.7	0.0235	0.0000	OK
15 minute summer	1.008:50%	11	125.383	0.101	19.6	0.2895	0.0000	OK
15 minute summer	31	10	125.544	0.058	5.9	0.0313	0.0000	OK
15 minute summer	10.000:50%	10	125.484	0.079	10.1	0.0885	0.0000	OK
15 minute summer	32	11	125.404	0.080	9.9	0.0225	0.0000	OK
15 minute summer	33	11	125.313	0.165	29.7	0.1871	0.0000	OK
15 minute summer	1.009:50%	11	125.299	0.170	34.1	0.0000	0.0000	OK
15 minute summer	34	11	125.278	0.170	39.4	0.2261	0.0000	OK
180 minute summer	1.010:50%	160	125.241	0.195	16.6	0.1610	0.0000	OK
15 minute summer	14	10	125.269	0.094	7.7	0.0530	0.0000	OK
15 minute summer	11.000:50%	10	125.255	0.112	11.8	0.1313	0.0000	OK
180 minute summer	15	160	125.241	0.130	3.7	0.0369	0.0000	OK
180 minute summer	15a	160	125.241	0.157	5.6	0.0445	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	24	1.004	25	53.5	1.501	0.634	0.5598	
240 minute summer	25a	6.000	25b	0.7	0.487	0.039	0.1493	
240 minute summer	25b	6.001	25	0.7	0.410	0.039	0.1321	
240 minute summer	25	1.005	1.005:50%	14.4	0.576	0.321	0.0795	
240 minute summer	25	1.005	Tank 1	16.1	1.301	0.359	0.0795	
15 minute summer	27	7.000	28	12.4	1.147	0.728	0.1770	
240 minute summer	26	8.000	28	1.2	0.486	0.056	0.1421	
240 minute summer	28	7.001	Tank 1	4.9	1.374	0.117	0.0423	
240 minute summer	Tank 1	1.006	28a	4.6	0.197	0.054	0.1198	
240 minute summer	28a	Hydro-Brake®	30	2.0				
15 minute summer	29	9.000	9.000:50%	12.2	1.807	0.107	0.0340	
15 minute summer	29	9.000	30	12.4	1.277	0.109	0.0498	
15 minute summer	30	1.008	1.008:50%	12.8	0.697	0.150	0.1821	
15 minute summer	30	1.008	33	19.6	0.971	0.231	0.2005	
15 minute summer	31	10.000	10.000:50%	5.8	0.577	0.147	0.1401	
15 minute summer	31	10.000	32	9.9	0.802	0.250	0.1704	
15 minute summer	32	10.001	33	10.0	0.760	0.252	0.2345	
15 minute summer	33	1.009	1.009:50%	29.7	0.737	0.423	0.2007	
15 minute summer	33	1.009	34	34.1	0.828	0.485	0.2038	
15 minute summer	34	1.010	1.010:50%	39.4	0.951	0.557	0.6286	
15 minute summer	34	1.010	35	46.9	1.285	0.663	0.5535	
15 minute summer	14	11.000	11.000:50%	7.6	0.600	0.543	0.0651	
15 minute summer	14	11.000	15	11.6	0.848	0.825	0.0693	
180 minute summer	15	11.001	15a	4.1	0.746	0.300	0.0762	
180 minute summer	15a	11.002	35	5.7	0.793	0.090	0.0530	

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Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	35	160	125.241	0.257	20.4	0.2910	0.0000	OK
15 minute summer	Rodding Eye 1	10	129.775	0.025	0.3	0.0004	0.0000	OK
15 minute summer	12.000:50%	10	129.775	0.090	11.0	0.0238	0.0000	OK
15 minute summer	8a	10	129.710	0.090	10.9	0.0254	0.0000	OK
15 minute summer	12.001:50%	10	129.682	0.087	12.1	0.0000	0.0000	OK
15 minute summer	8b	10	129.631	0.061	12.0	0.0172	0.0000	OK
15 minute summer	12.002:50%	11	129.455	0.300	24.6	0.0000	0.0000	SURCHARGED
15 minute summer	8c	11	129.233	0.493	23.2	0.1395	0.0000	SURCHARGED
15 minute summer	12.003:50%	11	129.077	0.414	30.4	0.0708	0.0000	SURCHARGED
15 minute summer	JCT1	12	128.841	0.256	29.9	0.0000	0.0000	SURCHARGED
15 minute summer	12.004:50%	12	128.793	0.225	32.1	0.0000	0.0000	SURCHARGED
15 minute summer	8d	11	128.656	0.181	32.0	0.0512	0.0000	OK
15 minute summer	12.005:50%	11	128.624	0.186	41.2	0.0000	0.0000	OK
15 minute summer	8e	11	128.564	0.164	41.1	0.0464	0.0000	OK
15 minute summer	12.006:50%	11	128.526	0.151	42.6	0.0000	0.0000	OK
15 minute summer	8f	11	128.458	0.108	42.5	0.0304	0.0000	OK
15 minute summer	5	10	128.365	0.065	7.8	0.0913	0.0000	OK
15 minute summer	6	10	128.270	0.090	15.4	0.1304	0.0000	OK
15 minute summer	7	11	128.188	0.088	15.2	0.0996	0.0000	OK
15 minute summer	8	11	128.176	0.126	57.7	0.1424	0.0000	OK
15 minute summer	10	10	127.290	0.075	7.8	0.0448	0.0000	OK
15 minute summer	9	11	127.119	0.119	65.1	0.1347	0.0000	OK
15 minute summer	Rodding Eye 2	10	128.891	0.041	4.3	0.0122	0.0000	OK
15 minute summer	15.000:50%	10	128.498	0.073	11.7	0.0087	0.0000	OK
15 minute summer	12b	10	128.066	0.065	11.5	0.0185	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	35	1.011	Tank 2	19.2	1.372	0.122	0.3672	
15 minute summer	Rodding Eye 1	12.000	12.000:50%	-0.3	-0.074	-0.015	0.0413	
15 minute summer	Rodding Eye 1	12.000	8a	10.9	0.988	0.607	0.0703	
15 minute summer	8a	12.001	12.001:50%	10.9	1.006	0.521	0.0197	
15 minute summer	8a	12.001	8b	12.0	1.394	0.577	0.0157	
15 minute summer	8b	12.002	12.002:50%	12.0	1.176	0.344	0.1320	
15 minute summer	8b	12.002	8c	23.2	1.323	0.666	0.1914	
15 minute summer	8c	12.003	12.003:50%	22.7	1.291	1.280	0.1361	
15 minute summer	8c	12.003	JCT1	29.9	1.699	1.685	0.1361	
15 minute summer	JCT1	12.004	12.004:50%	29.9	1.699	1.595	0.0277	
15 minute summer	JCT1	12.004	8d	32.0	1.820	1.709	0.0274	
15 minute summer	8d	12.005	12.005:50%	32.2	0.972	0.782	0.2063	
15 minute summer	8d	12.005	8e	41.1	1.240	0.999	0.1968	
15 minute summer	8e	12.006	12.006:50%	41.1	1.385	0.697	0.0578	
15 minute summer	8e	12.006	8f	42.5	1.806	0.722	0.0458	
15 minute summer	8f	12.007	8	42.5	2.736	0.267	0.0378	
15 minute summer	5	13.000	6	7.6	0.534	0.104	0.3882	
15 minute summer	6	13.001	7	15.2	0.875	0.176	0.2298	
15 minute summer	7	13.002	8	15.2	0.677	0.110	0.0725	
15 minute summer	8	12.008	9	57.5	2.128	0.348	1.2888	
15 minute summer	10	14.000	9	7.8	0.930	0.431	0.0529	
15 minute summer	9	12.009	12	64.9	2.246	0.305	0.4990	
15 minute summer	Rodding Eye 2	15.000	15.000:50%	4.3	0.692	0.167	0.1284	
15 minute summer	Rodding Eye 2	15.000	12b	11.5	1.452	0.451	0.1637	
15 minute summer	12b	15.001	12c	11.5	1.676	0.350	0.0812	

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Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	12c	10	127.658	0.058	11.5	0.0164	0.0000	OK
15 minute summer	15.002:50%	10	127.191	0.078	19.4	0.0593	0.0000	OK
15 minute summer	JCT2	11	126.730	0.105	19.3	0.0000	0.0000	OK
15 minute summer	15.003:50%	11	126.705	0.118	21.3	0.0953	0.0000	OK
15 minute summer	12e	11	126.628	0.128	21.3	0.0361	0.0000	OK
15 minute summer	12	11	126.514	0.139	86.3	0.1568	0.0000	OK
180 minute summer	13	160	125.241	0.337	29.3	0.0955	0.0000	SURCHARGED
15 minute summer	46	11	125.253	0.081	0.3	0.0230	0.0000	OK
15 minute summer	16.000:50%	11	125.253	0.100	13.0	0.2666	0.0000	OK
180 minute summer	47	156	125.241	0.108	4.1	0.0307	0.0000	OK
180 minute summer	48	156	125.242	0.194	4.2	0.0548	0.0000	OK
180 minute summer	16.002:50%	160	125.241	0.247	5.3	0.5501	0.0000	SURCHARGED
15 minute summer	41	12	125.499	0.139	0.5	0.0392	0.0000	SURCHARGED
15 minute summer	17.000:50%	12	125.498	0.166	10.5	0.6233	0.0000	SURCHARGED
15 minute summer	42	12	125.397	0.094	8.5	0.0267	0.0000	OK
15 minute summer	17.001:50%	12	125.377	0.095	10.5	0.2268	0.0000	OK
15 minute summer	43	12	125.329	0.068	10.4	0.0191	0.0000	OK
15 minute summer	17.002:50%	13	125.276	0.095	12.9	0.2224	0.0000	OK
15 minute summer	44	13	125.278	0.178	12.1	0.0504	0.0000	SURCHARGED
180 minute summer	45	132	125.252	0.252	5.0	0.0712	0.0000	SURCHARGED
180 minute summer	17.004:50%	152	125.243	0.273	6.1	0.7069	0.0000	SURCHARGED
180 minute summer	36	160	125.242	0.042	0.1	0.0118	0.0000	OK
180 minute summer	18.000:50%	160	125.241	0.139	1.9	0.0000	0.0000	OK
180 minute summer	39	156	125.242	0.158	0.4	0.0448	0.0000	OK
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	12c	15.002	15.002:50%	11.4	1.472	0.317	0.0935	
15 minute summer	12c	15.002	JCT2	19.3	1.715	0.535	0.1345	
15 minute summer	JCT2	15.003	15.003:50%	19.2	1.373	0.692	0.0217	
15 minute summer	JCT2	15.003	12e	21.3	1.570	0.768	0.0209	
15 minute summer	12e	15.004	12	21.4	0.976	0.536	0.1845	
15 minute summer	12	12.010	13	86.1	2.876	0.375	0.5475	
180 minute summer	13	12.011	Tank 2	29.2	1.142	0.398	0.4660	
15 minute summer	46	16.000	16.000:50%	-0.3	-0.091	-0.010	0.0664	
15 minute summer	46	16.000	47	12.6	0.759	0.367	0.0738	
180 minute summer	47	16.001	48	4.2	0.615	0.116	0.4888	
180 minute summer	48	16.002	16.002:50%	3.9	0.544	0.098	0.3438	
180 minute summer	48	16.002	49	4.7	0.365	0.118	0.3592	
15 minute summer	41	17.000	17.000:50%	0.6	0.117	0.125	0.0328	
15 minute summer	41	17.000	42	8.5	1.082	1.705	0.0324	
15 minute summer	42	17.001	17.001:50%	8.5	0.730	0.593	0.0376	
15 minute summer	42	17.001	43	10.4	1.090	0.730	0.0313	
15 minute summer	43	17.002	17.002:50%	10.4	1.269	0.293	0.0198	
15 minute summer	43	17.002	44	12.1	1.329	0.343	0.0301	
15 minute summer	44	17.003	45	12.0	0.764	0.501	0.0980	
180 minute summer	45	17.004	17.004:50%	4.8	0.453	0.434	0.1332	
180 minute summer	45	17.004	49	5.6	0.421	0.502	0.1332	
180 minute summer	36	18.000	18.000:50%	0.1	0.007	0.001	0.0939	
180 minute summer	36	18.000	40a	1.9	0.449	0.029	0.2003	
180 minute summer	39	19.000	19.000:50%	0.5	-0.024	0.009	0.1245	

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Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	19.000:50%	156	125.242	0.197	1.5	0.0000	0.0000	OK
180 minute summer	40a	156	125.242	0.236	3.0	0.0669	0.0000	SURCHARGED
180 minute summer	49	156	125.242	0.302	13.1	0.0854	0.0000	SURCHARGED
180 minute summer	51	160	125.241	0.214	0.3	0.0607	0.0000	OK
180 minute summer	20.000:50%	160	125.241	0.277	3.6	0.0000	0.0000	SURCHARGED
180 minute summer	50	156	125.241	0.241	0.3	0.0683	0.0000	SURCHARGED
180 minute summer	21.000:50%	156	125.241	0.291	2.4	0.0000	0.0000	SURCHARGED
180 minute summer	52	160	125.241	0.341	17.8	0.0966	0.0000	SURCHARGED
180 minute summer	Tank 2	160	125.241	0.366	64.2	136.7943	0.0000	OK
180 minute summer	53	160	125.242	0.384	10.8	0.5491	0.0000	SURCHARGED
480 minute summer	CW32	456	124.808	0.078	10.0	0.0221	0.0000	OK
15 minute summer	SWD1	1	127.315	0.000	0.0	0.0000	0.0000	OK
15 minute summer	SWD2	1	127.202	0.000	0.0	0.0000	0.0000	OK
15 minute summer	SWD3	1	126.768	0.000	0.0	0.0000	0.0000	OK
15 minute summer	SWD5	1	125.628	0.000	0.0	0.0000	0.0000	OK
15 minute summer	SW Headwall	1	125.200	0.000	0.0	0.0000	0.0000	OK
15 minute summer	SWD4	1	125.796	0.000	0.0	0.0000	0.0000	OK
15 minute summer	SWD6	1	125.563	0.000	0.0	0.0000	0.0000	OK
600 minute summer	CW Outfall	480	124.746	0.076	10.0	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	39	19.000	40a	1.7	0.364	0.032	0.1429	
180 minute summer	40a	18.001	49	2.9	0.261	0.074	0.4371	
180 minute summer	49	16.003	52	12.7	0.581	0.325	0.2811	
180 minute summer	51	20.000	20.000:50%	-0.3	-0.039	-0.007	0.4023	
180 minute summer	51	20.000	52	3.1	0.226	0.076	0.4059	
180 minute summer	50	21.000	21.000:50%	-0.3	-0.020	-0.006	0.2670	
180 minute summer	50	21.000	52	2.2	0.170	0.049	0.2670	
180 minute summer	52	16.004	Tank 2	17.4	1.822	0.211	0.0398	
180 minute summer	Tank 2	1.012	53	10.8	0.228	0.073	1.1325	
180 minute summer	53	Hydro-Brake®	CW32	10.0				
480 minute summer	CW32	1.014	CW Outfall	10.0	0.837	0.247	0.1174	299.1
15 minute summer	SWD1	22.000	SWD2	0.0	0.000	0.000	0.0000	
15 minute summer	SWD2	22.001	SWD3	0.0	0.000	0.000	0.0000	
15 minute summer	SWD3	22.002	SWD4	0.0	0.000	0.000	0.0000	
15 minute summer	SWD5	22.004	SWD6	0.0	0.000	0.000	0.0000	
15 minute summer	SWD4	22.003	SWD5	0.0	0.000	0.000	0.0000	
15 minute summer	SWD6	22.005	SW Headwall	0.0	0.000	0.000	0.0000	0.0

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.28%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	Rodding Eye 3	1	128.800	0.000	0.0	0.0000	0.0000	OK
15 minute summer	1.000:50%	10	128.708	0.048	5.4	0.0054	0.0000	OK
15 minute summer	24e	10	128.480	0.035	5.4	0.0099	0.0000	OK
15 minute summer	1.001:50%	10	127.866	0.054	12.3	0.0000	0.0000	OK
15 minute summer	S24a	12	127.869	0.369	14.2	0.5360	0.0000	SURCHARGED
15 minute summer	24b	12	127.817	0.417	13.1	0.1181	0.0000	SURCHARGED
15 minute summer	2.001:50%	12	127.765	0.475	17.6	0.0000	0.0000	SURCHARGED
15 minute summer	Rodding Eye 4	1	128.000	0.000	0.0	0.0000	0.0000	OK
15 minute summer	3.000:50%	10	127.631	0.041	7.2	0.0228	0.0000	OK
15 minute summer	24c	12	127.639	0.534	35.0	0.1511	0.0000	SURCHARGED
15 minute summer	1.002:50%	13	127.296	0.354	39.4	2.7301	0.0000	SURCHARGED
15 minute summer	Rodding Eye 5	11	127.184	0.034	0.4	0.0006	0.0000	OK
15 minute summer	4.000:50%	11	127.184	0.083	9.7	0.0000	0.0000	OK
15 minute summer	24f	11	127.182	0.132	9.4	0.0373	0.0000	OK
15 minute summer	4.001:50%	11	127.175	0.150	19.7	0.0000	0.0000	OK
15 minute summer	24g	11	127.076	0.151	21.3	0.0493	0.0000	OK
15 minute summer	4.002:50%	11	127.065	0.178	32.2	0.2156	0.0000	OK
15 minute summer	24h	11	127.037	0.187	32.1	0.0530	0.0000	OK
15 minute summer	4.003:50%	11	127.009	0.194	38.1	0.0000	0.0000	OK
15 minute summer	24d	11	126.963	0.183	68.2	0.0517	0.0000	OK
15 minute summer	Rodding Eye 6	1	127.000	0.000	0.0	0.0000	0.0000	OK
15 minute summer	5.000:50%	10	126.932	0.032	3.1	0.0000	0.0000	OK
15 minute summer	24i	10	126.830	0.030	3.1	0.0084	0.0000	OK
15 minute summer	5.001:50%	10	126.641	0.042	6.2	0.0000	0.0000	OK
15 minute summer	24	12	126.501	0.179	74.0	0.2023	0.0000	OK
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	Rodding Eye 3	1.000	1.000:50%	0.0	0.000	0.000	0.0152	
15 minute summer	Rodding Eye 3	1.000	24e	5.4	1.148	0.203	0.0297	
15 minute summer	24e	1.001	1.001:50%	5.3	1.229	0.119	0.0440	
15 minute summer	24e	1.001	24c	12.3	1.700	0.274	0.1167	
15 minute summer	S24a	2.000	24b	13.1	0.983	0.728	0.1711	
15 minute summer	24b	2.001	2.001:50%	12.0	0.807	0.664	0.1883	
15 minute summer	24b	2.001	24c	17.7	1.092	0.984	0.1883	
15 minute summer	Rodding Eye 4	3.000	3.000:50%	0.0	0.000	0.000	0.0138	
15 minute summer	Rodding Eye 4	3.000	24c	7.2	1.426	0.166	0.0754	
15 minute summer	24c	1.002	1.002:50%	34.1	1.936	1.354	0.1434	
15 minute summer	24c	1.002	24d	34.0	1.931	1.351	0.1434	
15 minute summer	Rodding Eye 5	4.000	4.000:50%	-0.4	-0.121	-0.017	0.0173	
15 minute summer	Rodding Eye 5	4.000	24f	9.4	0.780	0.386	0.0352	
15 minute summer	24f	4.001	4.001:50%	9.5	0.601	0.493	0.0361	
15 minute summer	24f	4.001	24g	19.6	1.178	1.017	0.0357	
15 minute summer	24g	4.002	4.002:50%	21.3	0.705	0.493	0.1670	
15 minute summer	24g	4.002	24h	32.1	0.939	0.742	0.1856	
15 minute summer	24h	4.003	4.003:50%	32.1	0.897	0.790	0.2044	
15 minute summer	24h	4.003	24d	38.1	1.090	0.938	0.2022	
15 minute summer	24d	1.003	24	68.0	2.022	0.884	0.7142	
15 minute summer	Rodding Eye 6	5.000	5.000:50%	0.0	0.000	0.000	0.0034	
15 minute summer	Rodding Eye 6	5.000	24i	3.1	1.192	0.087	0.0066	
15 minute summer	24i	5.001	5.001:50%	3.1	0.949	0.086	0.0163	
15 minute summer	24i	5.001	24	6.1	1.172	0.172	0.0414	
15 minute summer	24	1.004	1.004:50%	73.4	2.104	0.869	0.6484	

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.28%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	1.004:50%	13	126.159	0.298	80.8	1.2821	0.0000	SURCHARGED
600 minute summer	25a	600	126.118	0.432	0.6	0.1867	0.0000	SURCHARGED
600 minute summer	25b	600	126.118	0.568	0.5	0.1608	0.0000	SURCHARGED
600 minute summer	25	600	126.118	0.718	13.1	0.8123	0.0000	SURCHARGED
600 minute summer	1.005:50%	600	126.118	0.733	14.4	0.0000	0.0000	SURCHARGED
600 minute summer	27	600	126.118	0.468	2.8	0.4270	0.0000	SURCHARGED
600 minute summer	26	600	126.118	0.468	1.0	0.2411	0.0000	SURCHARGED
600 minute summer	28	600	126.118	0.619	3.6	0.1752	0.0000	SURCHARGED
600 minute summer	Tank 1	600	126.118	0.748	21.6	156.8926	0.0000	SURCHARGED
600 minute summer	28a	600	126.118	0.758	3.3	0.8575	0.0000	SURCHARGED
15 minute summer	29	10	125.894	0.072	22.1	0.0712	0.0000	OK
15 minute summer	9.000:50%	10	125.649	0.068	22.6	0.0544	0.0000	OK
240 minute summer	30	244	125.591	0.251	7.9	0.0711	0.0000	OK
240 minute summer	1.008:50%	244	125.591	0.309	11.3	2.7124	0.0000	SURCHARGED
240 minute summer	31	244	125.591	0.105	2.8	0.0569	0.0000	OK
240 minute summer	10.000:50%	244	125.591	0.186	4.8	0.4978	0.0000	OK
240 minute summer	32	244	125.591	0.267	4.8	0.0757	0.0000	SURCHARGED
240 minute summer	33	244	125.591	0.443	16.1	0.5014	0.0000	SURCHARGED
240 minute summer	1.009:50%	244	125.591	0.463	17.6	0.0000	0.0000	SURCHARGED
240 minute summer	34	244	125.591	0.483	19.9	0.6442	0.0000	SURCHARGED
240 minute summer	1.010:50%	244	125.591	0.545	22.8	1.2534	0.0000	SURCHARGED
240 minute summer	14	244	125.591	0.416	3.7	0.2343	0.0000	SURCHARGED
240 minute summer	11.000:50%	244	125.591	0.448	5.5	2.1080	0.0000	SURCHARGED
240 minute summer	15	244	125.591	0.480	4.8	0.1359	0.0000	SURCHARGED
240 minute summer	15a	244	125.591	0.507	4.6	0.1435	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	24	1.004	25	74.7	1.895	0.885	0.7006	
600 minute summer	25a	6.000	25b	0.5	0.379	0.029	0.2386	
600 minute summer	25b	6.001	25	0.4	0.269	0.023	0.1321	
600 minute summer	25	1.005	1.005:50%	12.9	0.476	0.288	0.0795	
600 minute summer	25	1.005	Tank 1	14.3	1.036	0.319	0.0795	
600 minute summer	27	7.000	28	2.7	0.627	0.159	0.2895	
600 minute summer	26	8.000	28	0.9	0.368	0.042	0.1833	
600 minute summer	28	7.001	Tank 1	3.9	0.927	0.093	0.0423	
600 minute summer	Tank 1	1.006	28a	3.3	0.178	0.039	0.1198	
600 minute summer	28a	Hydro-Brake®	30	2.0				
15 minute summer	29	9.000	9.000:50%	22.0	2.114	0.193	0.0527	
15 minute summer	29	9.000	30	22.6	1.466	0.198	0.0795	
240 minute summer	30	1.008	1.008:50%	7.9	0.645	0.093	0.6616	
240 minute summer	30	1.008	33	11.3	0.834	0.132	0.6981	
240 minute summer	31	10.000	10.000:50%	2.8	0.470	0.070	0.3669	
240 minute summer	31	10.000	32	4.8	0.672	0.120	0.5150	
240 minute summer	32	10.001	33	4.8	0.654	0.121	0.6796	
240 minute summer	33	1.009	1.009:50%	15.4	0.633	0.218	0.3484	
240 minute summer	33	1.009	34	17.2	0.693	0.245	0.3484	
240 minute summer	34	1.010	1.010:50%	18.9	0.700	0.267	1.0684	
240 minute summer	34	1.010	35	21.4	0.896	0.303	1.0684	
240 minute summer	14	11.000	11.000:50%	3.5	0.485	0.246	0.0892	
240 minute summer	14	11.000	15	4.8	0.651	0.341	0.0892	
240 minute summer	15	11.001	15a	4.6	0.699	0.338	0.0793	
240 minute summer	15a	11.002	35	7.6	0.745	0.118	0.0657	

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.28%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	35	244	125.591	0.607	25.6	0.6867	0.0000	SURCHARGED
15 minute summer	Rodding Eye 1	13	130.222	0.472	2.5	0.0085	0.0000	SURCHARGED
15 minute summer	12.000:50%	13	130.221	0.536	20.0	0.8442	0.0000	SURCHARGED
15 minute summer	8a	13	130.182	0.562	14.2	0.1591	0.0000	SURCHARGED
15 minute summer	12.001:50%	13	130.165	0.570	15.2	0.0000	0.0000	SURCHARGED
15 minute summer	8b	12	130.146	0.576	17.5	0.1629	0.0000	SURCHARGED
15 minute summer	12.002:50%	12	130.092	0.937	32.3	0.0000	0.0000	SURCHARGED
15 minute summer	8c	12	129.752	1.012	28.7	0.2864	0.0000	FLOOD RISK
15 minute summer	12.003:50%	12	129.502	0.840	41.1	0.2918	0.0000	SURCHARGED
15 minute summer	JCT1	12	129.071	0.486	40.5	0.0000	0.0000	SURCHARGED
15 minute summer	12.004:50%	12	128.982	0.415	44.3	0.0000	0.0000	SURCHARGED
15 minute summer	8d	11	128.797	0.322	44.5	0.0910	0.0000	SURCHARGED
15 minute summer	12.005:50%	11	128.738	0.301	59.8	0.0000	0.0000	SURCHARGED
15 minute summer	8e	11	128.631	0.231	59.5	0.0653	0.0000	SURCHARGED
15 minute summer	12.006:50%	11	128.570	0.195	62.1	0.0000	0.0000	OK
15 minute summer	8f	11	128.490	0.140	62.0	0.0397	0.0000	OK
15 minute summer	5	10	128.388	0.087	14.2	0.1238	0.0000	OK
15 minute summer	6	10	128.308	0.128	28.2	0.1858	0.0000	OK
15 minute summer	7	11	128.231	0.131	27.6	0.1481	0.0000	OK
15 minute summer	8	11	128.213	0.163	89.7	0.1845	0.0000	OK
15 minute summer	10	10	127.328	0.113	14.2	0.0671	0.0000	OK
15 minute summer	9	11	127.159	0.159	103.2	0.1793	0.0000	OK
15 minute summer	Rodding Eye 2	10	128.907	0.057	7.8	0.0166	0.0000	OK
15 minute summer	15.000:50%	10	128.533	0.108	21.1	0.0189	0.0000	OK
15 minute summer	12b	10	128.096	0.096	20.9	0.0271	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	35	1.011	Tank 2	41.8	1.472	0.266	0.3838	
15 minute summer	Rodding Eye 1	12.000	12.000:50%	3.1	0.200	0.175	0.1122	
15 minute summer	Rodding Eye 1	12.000	8a	14.2	1.047	0.791	0.1122	
15 minute summer	8a	12.001	12.001:50%	14.6	1.069	0.699	0.0321	
15 minute summer	8a	12.001	8b	17.5	1.473	0.839	0.0321	
15 minute summer	8b	12.002	12.002:50%	19.9	1.205	0.569	0.1914	
15 minute summer	8b	12.002	8c	28.7	1.633	0.824	0.1914	
15 minute summer	8c	12.003	12.003:50%	30.4	1.725	1.711	0.1361	
15 minute summer	8c	12.003	JCT1	40.5	2.299	2.280	0.1361	
15 minute summer	JCT1	12.004	12.004:50%	40.6	2.309	2.168	0.0277	
15 minute summer	JCT1	12.004	8d	44.5	2.526	2.372	0.0277	
15 minute summer	8d	12.005	12.005:50%	44.8	1.126	1.088	0.2366	
15 minute summer	8d	12.005	8e	59.5	1.497	1.446	0.2366	
15 minute summer	8e	12.006	12.006:50%	59.4	1.528	1.009	0.0745	
15 minute summer	8e	12.006	8f	62.0	1.953	1.053	0.0611	
15 minute summer	8f	12.007	8	62.0	2.922	0.389	0.0514	
15 minute summer	5	13.000	6	14.0	0.615	0.189	0.6164	
15 minute summer	6	13.001	7	27.6	0.959	0.319	0.3823	
15 minute summer	7	13.002	8	27.7	0.813	0.199	0.1099	
15 minute summer	8	12.008	9	89.6	2.336	0.542	1.8325	
15 minute summer	10	14.000	9	14.1	1.058	0.784	0.0844	
15 minute summer	9	12.009	12	103.1	2.431	0.485	0.7307	
15 minute summer	Rodding Eye 2	15.000	15.000:50%	7.7	0.783	0.303	0.2023	
15 minute summer	Rodding Eye 2	15.000	12b	20.9	1.644	0.817	0.2618	
15 minute summer	12b	15.001	12c	20.8	1.919	0.635	0.1285	

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.28%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	12c	10	127.682	0.082	20.8	0.0231	0.0000	OK
15 minute summer	15.002:50%	12	127.295	0.183	35.2	0.3243	0.0000	SURCHARGED
15 minute summer	JCT2	10	126.879	0.254	33.9	0.0000	0.0000	SURCHARGED
15 minute summer	15.003:50%	10	126.819	0.232	37.3	0.3717	0.0000	SURCHARGED
15 minute summer	12e	10	126.686	0.186	36.0	0.0526	0.0000	OK
15 minute summer	12	11	126.565	0.190	138.7	0.2146	0.0000	OK
240 minute summer	13	244	125.591	0.687	43.6	0.1944	0.0000	SURCHARGED
240 minute summer	46	244	125.591	0.419	0.2	0.1186	0.0000	SURCHARGED
240 minute summer	16.000:50%	244	125.591	0.438	6.3	5.1184	0.0000	SURCHARGED
240 minute summer	47	244	125.591	0.458	4.9	0.1297	0.0000	SURCHARGED
240 minute summer	48	244	125.591	0.543	4.4	0.1537	0.0000	SURCHARGED
240 minute summer	16.002:50%	244	125.591	0.597	5.8	3.2043	0.0000	SURCHARGED
15 minute summer	41	13	125.640	0.280	0.9	0.0791	0.0000	SURCHARGED
15 minute summer	17.000:50%	13	125.639	0.307	19.0	2.1368	0.0000	SURCHARGED
240 minute summer	42	244	125.591	0.288	4.9	0.0816	0.0000	SURCHARGED
240 minute summer	17.001:50%	244	125.591	0.309	6.1	2.4266	0.0000	SURCHARGED
240 minute summer	43	244	125.591	0.330	6.1	0.0935	0.0000	SURCHARGED
240 minute summer	17.002:50%	244	125.591	0.410	7.2	4.1073	0.0000	SURCHARGED
240 minute summer	44	244	125.591	0.491	5.8	0.1391	0.0000	SURCHARGED
240 minute summer	45	244	125.591	0.591	6.5	0.1673	0.0000	SURCHARGED
240 minute summer	17.004:50%	244	125.591	0.621	7.3	3.6651	0.0000	SURCHARGED
240 minute summer	36	244	125.591	0.391	0.3	0.1107	0.0000	SURCHARGED
240 minute summer	18.000:50%	244	125.591	0.488	2.9	0.0000	0.0000	SURCHARGED
240 minute summer	39	244	125.591	0.508	0.2	0.1439	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	12c	15.002	15.002:50%	20.7	1.625	0.576	0.1647	
15 minute summer	12c	15.002	JCT2	33.9	1.930	0.942	0.2116	
15 minute summer	JCT2	15.003	15.003:50%	33.5	1.901	1.206	0.0273	
15 minute summer	JCT2	15.003	12e	36.0	2.047	1.299	0.0270	
15 minute summer	12e	15.004	12	35.7	1.097	0.893	0.2732	
15 minute summer	12	12.010	13	138.7	3.185	0.603	0.7956	
240 minute summer	13	12.011	Tank 2	43.4	1.295	0.592	0.4660	
240 minute summer	46	16.000	16.000:50%	-0.2	-0.016	-0.006	0.1764	
240 minute summer	46	16.000	47	4.9	0.598	0.143	0.1764	
240 minute summer	47	16.001	48	4.4	0.573	0.123	0.7033	
240 minute summer	48	16.002	16.002:50%	3.9	0.462	0.098	0.3592	
240 minute summer	48	16.002	49	5.1	0.316	0.127	0.3592	
15 minute summer	41	17.000	17.000:50%	-0.9	0.202	-0.185	0.0328	
15 minute summer	41	17.000	42	11.3	1.442	2.273	0.0328	
240 minute summer	42	17.001	17.001:50%	4.9	0.642	0.343	0.0568	
240 minute summer	42	17.001	43	6.1	0.985	0.424	0.0568	
240 minute summer	43	17.002	17.002:50%	5.9	1.239	0.167	0.0360	
240 minute summer	43	17.002	44	5.8	1.138	0.165	0.0360	
240 minute summer	44	17.003	45	6.5	0.626	0.274	0.0980	
240 minute summer	45	17.004	17.004:50%	5.4	0.415	0.486	0.1332	
240 minute summer	45	17.004	49	6.1	0.376	0.552	0.1332	
240 minute summer	36	18.000	18.000:50%	-0.3	-0.014	-0.004	0.2436	
240 minute summer	36	18.000	40a	2.5	0.388	0.037	0.2436	
240 minute summer	39	19.000	19.000:50%	0.3	-0.015	0.006	0.1481	

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.28%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	19.000:50%	244	125.591	0.547	2.4	0.0000	0.0000	SURCHARGED
240 minute summer	40a	244	125.591	0.586	4.4	0.1659	0.0000	SURCHARGED
240 minute summer	49	244	125.591	0.651	14.8	0.1843	0.0000	SURCHARGED
240 minute summer	51	244	125.591	0.564	0.3	0.1597	0.0000	SURCHARGED
240 minute summer	20.000:50%	244	125.591	0.627	5.5	0.0000	0.0000	SURCHARGED
240 minute summer	50	244	125.591	0.591	0.3	0.1674	0.0000	SURCHARGED
240 minute summer	21.000:50%	244	125.592	0.642	3.7	0.0000	0.0000	SURCHARGED
240 minute summer	52	244	125.591	0.691	22.9	0.1956	0.0000	SURCHARGED
240 minute summer	Tank 2	244	125.591	0.716	91.2	267.4977	0.0000	SURCHARGED
240 minute summer	53	256	125.584	0.726	10.9	1.0395	0.0000	SURCHARGED
15 minute summer	CW32	14	124.808	0.078	10.0	0.0221	0.0000	OK
15 minute summer	SWD1	1	127.315	0.000	0.0	0.0000	0.0000	OK
15 minute summer	SWD2	1	127.202	0.000	0.0	0.0000	0.0000	OK
15 minute summer	SWD3	1	126.768	0.000	0.0	0.0000	0.0000	OK
15 minute summer	SWD5	1	125.628	0.000	0.0	0.0000	0.0000	OK
15 minute summer	SW Headwall	1	125.200	0.000	0.0	0.0000	0.0000	OK
15 minute summer	SWD4	1	125.796	0.000	0.0	0.0000	0.0000	OK
15 minute summer	SWD6	1	125.563	0.000	0.0	0.0000	0.0000	OK
30 minute summer	CW Outfall	20	124.746	0.076	10.0	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	39	19.000	40a	2.0	0.307	0.037	0.1481	
240 minute summer	40a	18.001	49	4.2	0.236	0.106	0.4371	
240 minute summer	49	16.003	52	14.6	0.579	0.374	0.2811	
240 minute summer	51	20.000	20.000:50%	-0.3	-0.013	-0.007	0.4059	
240 minute summer	51	20.000	52	5.1	0.262	0.124	0.4059	
240 minute summer	50	21.000	21.000:50%	-0.3	-0.010	-0.006	0.2670	
240 minute summer	50	21.000	52	3.3	0.186	0.073	0.2670	
240 minute summer	52	16.004	Tank 2	22.7	1.954	0.275	0.0398	
240 minute summer	Tank 2	1.012	53	10.9	0.226	0.073	1.2718	
240 minute summer	53	Hydro-Brake®	CW32	10.0				
15 minute summer	CW32	1.014	CW Outfall	10.0	0.836	0.247	0.1174	145.1
15 minute summer	SWD1	22.000	SWD2	0.0	0.000	0.000	0.0000	
15 minute summer	SWD2	22.001	SWD3	0.0	0.000	0.000	0.0000	
15 minute summer	SWD3	22.002	SWD4	0.0	0.000	0.000	0.0000	
15 minute summer	SWD5	22.004	SWD6	0.0	0.000	0.000	0.0000	
15 minute summer	SWD4	22.003	SWD5	0.0	0.000	0.000	0.0000	
15 minute summer	SWD6	22.005	SW Headwall	0.0	0.000	0.000	0.0000	0.0