

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)	4.00	Enforce best practice design rules	x

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

Circular Link Type

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

Available Diameters (mm)

150

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
1	0.113	4.00	129.410	1200	431613.294	306120.193	1.125
2	0.000	4.00	129.370	1200	431597.719	306111.341	1.191
3			129.360	1200	431593.117	306106.342	1.221
4		4.00	129.550	1200	431619.938	306117.564	1.125
5	0.000	4.00	129.275	1200	431609.844	306101.501	1.125
6		4.00	129.070	1200	431625.953	306087.557	1.125
7	0.000	4.00	129.000	1200	431617.359	306083.906	1.610
9	0.030	4.00	128.010	1200	431625.281	306065.483	1.125
10	0.013	4.00	126.950	1200	431616.370	306029.068	1.128
11	0.024	4.00	126.700	1200	431592.282	306048.468	1.150
tank2	0.021	4.00	126.893	1200	431599.409	306035.564	1.523
tank 2 outlet			126.700	1200	431604.867	306027.690	1.330
15	0.013	4.00	126.600	1200	431608.223	306023.025	1.250
16	0.047	4.00	126.670	1200	431584.598	306005.495	1.520
18	0.011	4.00	126.495	1200	431563.662	306034.494	1.470
T113	0.000	4.00	126.317	1200	431558.856	306034.059	1.317
20	0.048	4.00	130.006	1200	431567.815	306128.648	1.200
21	0.048	4.00	130.001	1200	431544.579	306114.935	1.306
22	0.050	4.00	130.000	1200	431539.224	306123.802	1.348

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
24	0.033	4.00	130.117	1200	431498.796	306123.941	1.667
25	0.025	4.00	129.172	1200	431504.088	306072.137	1.200
26			127.278	1200	431519.228	306043.137	1.200
T1I1			126.434	1200	431519.582	306036.037	1.134
28	0.000	4.00	127.738	1200	431531.932	306061.639	1.125
29			126.724	1200	431535.243	306040.004	1.125
T1I2	0.000	4.00	126.428	1200	431535.398	306036.787	1.053
tank1	0.172	4.00	126.071	1350	431520.077	306028.580	1.171
T1OUT			125.982	1350	431514.617	306027.544	1.092
33			126.000	1350	431511.968	306027.417	1.125
33_OUT			125.400	1200	431486.528	306016.831	0.630
34	0.000	4.00	132.000	1200	431534.157	306155.456	1.050
35	0.013	4.00	126.600	600	431625.768	306014.523	1.125
36	0.013	4.00	126.600	1200	431603.562	305998.325	1.325
38	0.017	4.00	126.700	1200	431584.519	306042.385	1.125
39	0.032	4.00	126.700	1200	431600.758	306020.215	1.125
40	0.000	4.00	126.700	1200	431593.466	306030.170	1.215
41			126.700	1200	431597.291	306032.972	1.243
42	0.017	4.00	130.210	1200	431496.887	306138.744	1.462
43	0.024	4.00	130.056	1200	431493.582	306164.380	1.050
44	0.009	4.00	130.520	1200	431495.615	306147.851	1.680
45	0.000	4.00	128.725	1200	431598.597	306078.214	1.219
46			129.000	1200	431611.051	306091.896	1.125
47	0.000	4.00	128.725	1200	431595.586	306093.778	1.125
48			126.700	1200	431595.203	306044.480	1.200
49			126.650	1200	431592.656	306011.490	1.490
50	0.064	4.00	126.600	1200	431560.101	306044.176	1.325
51			126.600	1200	431566.011	306036.007	1.385

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	1	2	17.915	0.600	128.285	128.179	0.106	169.0	225	4.30	50.0
1.001	2	3	6.795	0.600	128.179	128.139	0.040	169.9	225	4.41	50.0
1.002	3	47	12.804	0.600	128.139	127.600	0.539	23.8	225	4.49	50.0
1.003	47	45	15.853	0.600	127.600	127.506	0.094	168.6	225	4.75	50.0
1.004	45	7	19.606	0.600	127.506	127.390	0.116	169.0	225	5.08	50.0
2.000	4	5	18.971	0.600	128.425	128.150	0.275	69.0	225	4.20	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)
1.000	1.003	39.9	15.3	0.900	0.966	0.113	0.0	96	0.936
1.001	1.000	39.8	15.3	0.966	0.996	0.113	0.0	97	0.938
1.002	2.695	107.2	15.3	0.996	0.900	0.113	0.0	58	1.933
1.003	1.004	39.9	15.3	0.900	0.994	0.113	0.0	96	0.937
1.004	1.003	39.9	15.3	0.994	1.385	0.113	0.0	96	0.936
2.000	1.576	62.7	0.0	0.900	0.900	0.000	0.0	0	0.000

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)
2.001	5	46	9.681	0.600	128.150	127.875	0.275	35.2	225	4.27	50.0
2.002	46	7	10.180	0.600	127.875	127.815	0.060	169.7	225	4.44	50.0
3.000	6	7	9.337	0.600	127.945	127.815	0.130	71.8	225	4.10	50.0
1.005	7	9	20.054	0.600	127.390	126.885	0.505	39.7	225	5.24	50.0
4.000	8	9	10.156	0.600	127.119	126.885	0.234	43.4	225	4.09	50.0
1.006	9	11	37.127	0.600	126.885	125.550	1.335	27.8	225	5.49	50.0
1.007	11	48	4.943	0.600	125.550	125.500	0.050	98.9	225	5.55	50.0
1.008	48	tank2	9.858	0.600	125.500	125.400	0.100	98.6	225	5.68	50.0
4.000	38	40	15.141	0.600	125.575	125.485	0.090	168.2	225	4.25	50.0
5.000	39	40	12.340	0.600	125.575	125.485	0.090	137.1	225	4.18	50.0
4.001	40	41	4.742	0.600	125.485	125.457	0.028	169.3	225	4.33	50.0
4.002	41	tank2	3.347	0.600	125.457	125.370	0.087	38.5	225	4.36	50.0
1.009	tank2	tank 2 outlet	9.581	0.600	125.370	125.370	0.000	0.0	225	5.84	50.0
1.010	tank 2 outlet	15	5.747	0.600	125.370	125.350	0.020	287.3	225	5.96	50.0
6.000	10	15	10.144	0.600	125.822	125.350	0.472	21.5	225	4.06	50.0
1.011	15	49	19.375	0.600	125.350	125.235	0.115	168.5	225	6.28	49.3
7.000	35	36	27.486	0.600	125.475	125.350	0.125	219.9	225	4.52	50.0
7.001	36	49	17.096	0.600	125.275	125.160	0.115	148.7	300	4.74	50.0
1.012	49	16	10.043	0.600	125.160	125.150	0.010	1004.3	300	6.63	48.0
1.013	16	18	35.767	0.600	125.150	125.025	0.125	286.1	300	7.27	45.9
8.000	50	51	10.083	0.600	125.275	125.215	0.060	168.0	225	4.17	50.0
8.001	51	18	2.794	0.600	125.215	125.100	0.115	24.3	225	4.18	50.0
1.014	18	T113	4.826	0.600	125.025	125.000	0.025	193.0	300	7.34	45.6

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)
2.001	2.212	87.9	0.0	0.900	0.900	0.000	0.0	0	0.000
2.002	1.001	39.8	0.0	0.900	0.960	0.000	0.0	0	0.000
3.000	1.545	61.4	0.0	0.900	0.960	0.000	0.0	0	0.000
1.005	2.082	82.8	15.3	1.385	0.900	0.113	0.0	65	1.602
4.000					0.900				
1.006	2.490	99.0	19.4	0.900	0.925	0.143	0.0	67	1.944
1.007	1.315	52.3	22.6	0.925	0.975	0.167	0.0	103	1.268
1.008	1.317	52.3	22.6	0.975	1.268	0.167	0.0	103	1.270
4.000	1.005	40.0	2.3	0.900	0.990	0.017	0.0	36	0.549
5.000	1.115	44.3	4.3	0.900	0.990	0.032	0.0	47	0.710
4.001	1.002	39.8	6.6	0.990	1.018	0.049	0.0	62	0.746
4.002	2.115	84.1	6.6	1.018	1.298	0.049	0.0	43	1.275
1.009	1.000	39.8	32.1	1.298	1.105	0.237	0.0	0	∞
1.010	0.766	30.5	32.1	1.105	1.025	0.237	0.0	199	0.862
6.000	2.835	112.7	1.8	0.903	1.025	0.013	0.0	20	1.058
1.011	1.004	39.9	35.1	1.025	1.190	0.263	0.0	164	1.129
7.000	0.877	34.9	1.8	0.900	1.025	0.013	0.0	35	0.464
7.001	1.287	91.0	3.5	1.025	1.190	0.026	0.0	40	0.629
1.012	0.488	34.5	37.6	1.190	1.220	0.289	0.0	300	0.494
1.013	0.924	65.3	41.8	1.220	1.170	0.336	0.0	174	0.978
8.000	1.006	40.0	8.7	1.100	1.160	0.064	0.0	71	0.805
8.001	2.665	106.0	8.7	1.160	1.170	0.064	0.0	44	1.627
1.014	1.128	79.7	50.8	1.170	1.017	0.411	0.0	174	1.193

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)
1.015	T1I3	tank1	39.164	0.600	125.000	124.900	0.100	391.6	300	8.17	43.2
9.000	20	21	26.981	0.600	128.806	128.695	0.111	243.1	300	4.45	50.0
9.001	21	22	10.359	0.600	128.695	128.652	0.043	240.9	300	4.62	50.0
10.000	34	22	32.057	0.600	130.950	128.802	2.148	14.9	150	4.20	50.0
9.002	22	24	40.428	0.600	128.652	128.450	0.202	200.1	300	5.23	50.0
11.000	43	44	16.654	0.600	129.006	128.840	0.166	100.3	150	4.28	50.0
11.001	44	42	9.195	0.600	128.840	128.748	0.092	100.0	150	4.43	50.0
11.002	42	24	14.926	0.600	128.748	128.600	0.148	100.8	150	4.68	50.0
9.003	24	25	52.074	0.600	128.450	127.972	0.478	108.9	300	5.80	50.0
9.004	25	26	32.714	0.600	127.972	126.078	1.894	17.3	300	5.95	50.0
9.005	26	T1I1	7.109	0.600	126.078	125.300	0.778	9.1	300	5.97	50.0
9.006	T1I1	tank1	7.473	0.600	125.300	125.263	0.037	200.0	300	6.08	50.0
12.000	28	29	21.887	0.600	126.613	125.599	1.014	21.6	225	4.13	50.0
12.001	29	T1I2	3.221	0.600	125.599	125.375	0.224	14.4	225	4.14	50.0
12.002	T1I2	tank1	17.381	0.600	125.375	125.201	0.174	99.9	225	4.37	50.0
1.016	tank1	T1OUT	5.557	0.600	124.900	124.900	0.000	0.0	375	8.26	42.9
1.017	T1OUT	33	2.652	0.600	124.890	124.875	0.015	176.8	375	8.29	42.8
1.018	33	33_OUT	27.555	0.600	124.890	124.770	0.120	229.6	225	8.83	41.4

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)
1.015	0.788	55.7	48.1	1.017	0.871	0.411	0.0	216	0.883
9.000	1.004	71.0	6.5	0.900	1.006	0.048	0.0	61	0.633
9.001	1.008	71.3	13.0	1.006	1.048	0.096	0.0	86	0.772
10.000	2.621	46.3	0.0	0.900	1.048	0.000	0.0	0	0.000
9.002	1.107	78.3	19.8	1.048	1.367	0.146	0.0	102	0.927
11.000	1.003	17.7	3.3	0.900	1.530	0.024	0.0	44	0.768
11.001	1.005	17.8	4.5	1.530	1.312	0.033	0.0	51	0.839
11.002	1.000	17.7	6.8	1.312	1.367	0.050	0.0	64	0.933
9.003	1.506	106.4	31.0	1.367	0.900	0.229	0.0	110	1.310
9.004	3.800	268.6	34.4	0.900	0.900	0.254	0.0	72	2.635
9.005	5.230	369.7	34.4	0.900	0.834	0.254	0.0	61	3.314
9.006	1.108	78.3	34.4	0.834	0.508	0.254	0.0	139	1.073
12.000	2.828	112.5	0.0	0.900	0.900	0.000	0.0	0	0.000
12.001	3.468	137.9	0.0	0.900	0.828	0.000	0.0	0	0.000
12.002	1.308	52.0	0.0	0.828	0.645	0.000	0.0	0	0.000
1.016	1.000	110.4	97.4	0.796	0.707	0.837	0.0	0	∞
1.017	1.359	150.1	97.2	0.717	0.750	0.837	0.0	220	1.442
1.018	0.858	34.1	94.0	0.885	0.405	0.837	0.0	225	0.874

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	17.915	169.0	225	Circular	129.410	128.285	0.900	129.370	128.179	0.966
1.001	6.795	169.9	225	Circular	129.370	128.179	0.966	129.360	128.139	0.996
1.002	12.804	23.8	225	Circular	129.360	128.139	0.996	128.725	127.600	0.900
1.003	15.853	168.6	225	Circular	128.725	127.600	0.900	128.725	127.506	0.994
1.004	19.606	169.0	225	Circular	128.725	127.506	0.994	129.000	127.390	1.385
2.000	18.971	69.0	225	Circular	129.550	128.425	0.900	129.275	128.150	0.900
2.001	9.681	35.2	225	Circular	129.275	128.150	0.900	129.000	127.875	0.900
2.002	10.180	169.7	225	Circular	129.000	127.875	0.900	129.000	127.815	0.960
3.000	9.337	71.8	225	Circular	129.070	127.945	0.900	129.000	127.815	0.960
1.005	20.054	39.7	225	Circular	129.000	127.390	1.385	128.010	126.885	0.900
4.000	10.156	43.4	225			127.119		128.010	126.885	0.900
1.006	37.127	27.8	225	Circular	128.010	126.885	0.900	126.700	125.550	0.925
1.007	4.943	98.9	225	Circular	126.700	125.550	0.925	126.700	125.500	0.975
1.008	9.858	98.6	225	Circular	126.700	125.500	0.975	126.893	125.400	1.268
4.000	15.141	168.2	225	Circular	126.700	125.575	0.900	126.700	125.485	0.990
5.000	12.340	137.1	225	Circular	126.700	125.575	0.900	126.700	125.485	0.990
4.001	4.742	169.3	225	Circular	126.700	125.485	0.990	126.700	125.457	1.018
4.002	3.347	38.5	225	Circular	126.700	125.457	1.018	126.893	125.370	1.298
1.009	9.581	0.0	225	Circular	126.893	125.370	1.298	126.700	125.370	1.105
1.010	5.747	287.3	225	Circular	126.700	125.370	1.105	126.600	125.350	1.025
6.000	10.144	21.5	225	Circular	126.950	125.822	0.903	126.600	125.350	1.025
1.011	19.375	168.5	225	Circular	126.600	125.350	1.025	126.650	125.235	1.190
7.000	27.486	219.9	225	Circular	126.600	125.475	0.900	126.600	125.350	1.025
7.001	17.096	148.7	300	Circular	126.600	125.275	1.025	126.650	125.160	1.190

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.000	1	1200	Manhole	Adoptable	2	1200	Manhole	Adoptable
1.001	2	1200	Manhole	Adoptable	3	1200	Manhole	Adoptable
1.002	3	1200	Manhole	Adoptable	47	1200	Manhole	Adoptable
1.003	47	1200	Manhole	Adoptable	45	1200	Manhole	Adoptable
1.004	45	1200	Manhole	Adoptable	7	1200	Manhole	Adoptable
2.000	4	1200	Manhole	Adoptable	5	1200	Manhole	Adoptable
2.001	5	1200	Manhole	Adoptable	46	1200	Manhole	Adoptable
2.002	46	1200	Manhole	Adoptable	7	1200	Manhole	Adoptable
3.000	6	1200	Manhole	Adoptable	7	1200	Manhole	Adoptable
1.005	7	1200	Manhole	Adoptable	9	1200	Manhole	Adoptable
4.000					9	1200	Manhole	Adoptable
1.006	9	1200	Manhole	Adoptable	11	1200	Manhole	Adoptable
1.007	11	1200	Manhole	Adoptable	48	1200	Manhole	Adoptable
1.008	48	1200	Manhole	Adoptable	tank2	1200	Manhole	Adoptable
4.000	38	1200	Manhole	Adoptable	40	1200	Manhole	Adoptable
5.000	39	1200	Manhole	Adoptable	40	1200	Manhole	Adoptable
4.001	40	1200	Manhole	Adoptable	41	1200	Manhole	Adoptable
4.002	41	1200	Manhole	Adoptable	tank2	1200	Manhole	Adoptable
1.009	tank2	1200	Manhole	Adoptable	tank 2 outlet	1200	Manhole	Adoptable
1.010	tank 2 outlet	1200	Manhole	Adoptable	15	1200	Manhole	Adoptable
6.000	10	1200	Manhole	Adoptable	15	1200	Manhole	Adoptable
1.011	15	1200	Manhole	Adoptable	49	1200	Manhole	Adoptable
7.000	35	600	Manhole	Adoptable	36	1200	Manhole	Adoptable
7.001	36	1200	Manhole	Adoptable	49	1200	Manhole	Adoptable

Pipeline Schedule

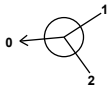
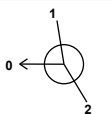
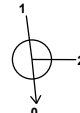
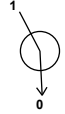
Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
1.012	10.043	1004.3	300	Circular	126.650	125.160	1.190	126.670	125.150	1.220
1.013	35.767	286.1	300	Circular	126.670	125.150	1.220	126.495	125.025	1.170
8.000	10.083	168.0	225	Circular	126.600	125.275	1.100	126.600	125.215	1.160
8.001	2.794	24.3	225	Circular	126.600	125.215	1.160	126.495	125.100	1.170
1.014	4.826	193.0	300	Circular	126.495	125.025	1.170	126.317	125.000	1.017
1.015	39.164	391.6	300	Circular	126.317	125.000	1.017	126.071	124.900	0.871
9.000	26.981	243.1	300	Circular	130.006	128.806	0.900	130.001	128.695	1.006
9.001	10.359	240.9	300	Circular	130.001	128.695	1.006	130.000	128.652	1.048
10.000	32.057	14.9	150	Circular	132.000	130.950	0.900	130.000	128.802	1.048
9.002	40.428	200.1	300	Circular	130.000	128.652	1.048	130.117	128.450	1.367
11.000	16.654	100.3	150	Circular	130.056	129.006	0.900	130.520	128.840	1.530
11.001	9.195	100.0	150	Circular	130.520	128.840	1.530	130.210	128.748	1.312
11.002	14.926	100.8	150	Circular	130.210	128.748	1.312	130.117	128.600	1.367
9.003	52.074	108.9	300	Circular	130.117	128.450	1.367	129.172	127.972	0.900
9.004	32.714	17.3	300	Circular	129.172	127.972	0.900	127.278	126.078	0.900
9.005	7.109	9.1	300	Circular	127.278	126.078	0.900	126.434	125.300	0.834
9.006	7.473	200.0	300	Circular	126.434	125.300	0.834	126.071	125.263	0.508
12.000	21.887	21.6	225	Circular	127.738	126.613	0.900	126.724	125.599	0.900
12.001	3.221	14.4	225	Circular	126.724	125.599	0.900	126.428	125.375	0.828
12.002	17.381	99.9	225	Circular	126.428	125.375	0.828	126.071	125.201	0.645
1.016	5.557	0.0	375	Circular	126.071	124.900	0.796	125.982	124.900	0.707
1.017	2.652	176.8	375	Circular	125.982	124.890	0.717	126.000	124.875	0.750
1.018	27.555	229.6	225	Circular	126.000	124.890	0.885	125.400	124.770	0.405

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.012	49	1200	Manhole	Adoptable	16	1200	Manhole	Adoptable
1.013	16	1200	Manhole	Adoptable	18	1200	Manhole	Adoptable
8.000	50	1200	Manhole	Adoptable	51	1200	Manhole	Adoptable
8.001	51	1200	Manhole	Adoptable	18	1200	Manhole	Adoptable
1.014	18	1200	Manhole	Adoptable	T1I3	1200	Manhole	Adoptable
1.015	T1I3	1200	Manhole	Adoptable	tank1	1350	Manhole	Adoptable
9.000	20	1200	Manhole	Adoptable	21	1200	Manhole	Adoptable
9.001	21	1200	Manhole	Adoptable	22	1200	Manhole	Adoptable
10.000	34	1200	Manhole	Adoptable	22	1200	Manhole	Adoptable
9.002	22	1200	Manhole	Adoptable	24	1200	Manhole	Adoptable
11.000	43	1200	Manhole	Adoptable	44	1200	Manhole	Adoptable
11.001	44	1200	Manhole	Adoptable	42	1200	Manhole	Adoptable
11.002	42	1200	Manhole	Adoptable	24	1200	Manhole	Adoptable
9.003	24	1200	Manhole	Adoptable	25	1200	Manhole	Adoptable
9.004	25	1200	Manhole	Adoptable	26	1200	Manhole	Adoptable
9.005	26	1200	Manhole	Adoptable	T1I1	1200	Manhole	Adoptable
9.006	T1I1	1200	Manhole	Adoptable	tank1	1350	Manhole	Adoptable
12.000	28	1200	Manhole	Adoptable	29	1200	Manhole	Adoptable
12.001	29	1200	Manhole	Adoptable	T1I2	1200	Manhole	Adoptable
12.002	T1I2	1200	Manhole	Adoptable	tank1	1350	Manhole	Adoptable
1.016	tank1	1350	Manhole	Adoptable	T1OUT	1350	Manhole	Adoptable
1.017	T1OUT	1350	Manhole	Adoptable	33	1350	Manhole	Adoptable
1.018	33	1350	Manhole	Adoptable	33_OUT	1200	Manhole	Adoptable

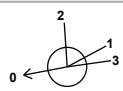
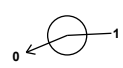
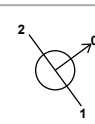
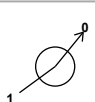
Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
1	431613.294	306120.193	129.410	1.125	1200		0	1.000	128.285	225
2	431597.719	306111.341	129.370	1.191	1200		1	1.000	128.179	225
3	431593.117	306106.342	129.360	1.221	1200		1	1.001	128.179	225
4	431619.938	306117.564	129.550	1.125	1200		1	1.001	128.139	225
5	431609.844	306101.501	129.275	1.125	1200		0	1.002	128.139	225
6	431625.953	306087.557	129.070	1.125	1200		0	2.000	128.425	225
7	431617.359	306083.906	129.000	1.610	1200		1	2.000	128.150	225
9	431625.281	306065.483	128.010	1.125	1200		0	2.001	128.150	225
10	431616.370	306029.068	126.950	1.128	1200		0	3.000	127.945	225
11	431592.282	306048.468	126.700	1.150	1200		1	3.000	127.815	225
tank2	431599.409	306035.564	126.893	1.523	1200		2	2.002	127.815	225
tank 2 outlet	431604.867	306027.690	126.700	1.330	1200		3	1.004	127.390	225
15	431608.223	306023.025	126.600	1.250	1200		0	1.005	127.390	225
							1	1.005	126.885	225
							0	1.006	126.885	225
							0	6.000	125.822	225
							1	1.006	125.550	225
							0	1.007	125.550	225
							1	4.002	125.370	225
							2	1.008	125.400	225
							0	1.009	125.370	225
							1	1.009	125.370	225
							0	1.010	125.370	225
							1	6.000	125.350	225
							2	1.010	125.350	225
							0	1.011	125.350	225

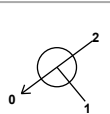
Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
16	431584.598	306005.495	126.670	1.520	1200	 1	1.012	125.150	300
						0	1.013	125.150	300
18	431563.662	306034.494	126.495	1.470	1200	 1	8.001	125.100	225
						2	1.013	125.025	300
						0	1.014	125.025	300
T113	431558.856	306034.059	126.317	1.317	1200	 1	1.014	125.000	300
						0	1.015	125.000	300
20	431567.815	306128.648	130.006	1.200	1200	 0			
						0	9.000	128.806	300
21	431544.579	306114.935	130.001	1.306	1200	 1	9.000	128.695	300
						0	9.001	128.695	300
22	431539.224	306123.802	130.000	1.348	1200	 1	10.000	128.802	150
						2	9.001	128.652	300
						0	9.002	128.652	300
24	431498.796	306123.941	130.117	1.667	1200	 1	11.002	128.600	150
						2	9.002	128.450	300
						0	9.003	128.450	300
25	431504.088	306072.137	129.172	1.200	1200	 1	9.003	127.972	300
						0	9.004	127.972	300
26	431519.228	306043.137	127.278	1.200	1200	 1	9.004	126.078	300
						0	9.005	126.078	300
T111	431519.582	306036.037	126.434	1.134	1200	 1	9.005	125.300	300
						0	9.006	125.300	300
28	431531.932	306061.639	127.738	1.125	1200	 0			
						0	12.000	126.613	225
29	431535.243	306040.004	126.724	1.125	1200	 1	12.000	125.599	225
						0	12.001	125.599	225
T112	431535.398	306036.787	126.428	1.053	1200	 1	12.001	125.375	225
						0	12.002	125.375	225

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
tank1	431520.077	306028.580	126.071	1.171	1350		1 12.002 125.201 225 2 9.006 125.263 300 3 1.015 124.900 300 0 1.016 124.900 375		
T1OUT	431514.617	306027.544	125.982	1.092	1350		1 1.016 124.900 375 0 1.017 124.890 375		
33	431511.968	306027.417	126.000	1.125	1350		1 1.017 124.875 375 0 1.018 124.890 225		
33_OUT	431486.528	306016.831	125.400	0.630	1200		1 1.018 124.770 225		
34	431534.157	306155.456	132.000	1.050	1200		0 10.000 130.950 150		
35	431625.768	306014.523	126.600	1.125	600		0 7.000 125.475 225		
36	431603.562	305998.325	126.600	1.325	1200		1 7.000 125.350 225 0 7.001 125.275 300		
38	431584.519	306042.385	126.700	1.125	1200		0 4.000 125.575 225		
39	431600.758	306020.215	126.700	1.125	1200		0 5.000 125.575 225		
40	431593.466	306030.170	126.700	1.215	1200		1 5.000 125.485 225 2 4.000 125.485 225 0 4.001 125.485 225		
41	431597.291	306032.972	126.700	1.243	1200		1 4.001 125.457 225 0 4.002 125.457 225		
42	431496.887	306138.744	130.210	1.462	1200		1 11.001 128.748 150 0 11.002 128.748 150		
43	431493.582	306164.380	130.056	1.050	1200		0 11.000 129.006 150		

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
44	431495.615	306147.851	130.520	1.680	1200		1	11.000	128.840	150
45	431598.597	306078.214	128.725	1.219	1200		1	11.001	128.840	150
							0	1.003	127.506	225
46	431611.051	306091.896	129.000	1.125	1200		1	1.004	127.506	225
							0	2.001	127.875	225
47	431595.586	306093.778	128.725	1.125	1200		1	2.002	127.875	225
							0	1.002	127.600	225
48	431595.203	306044.480	126.700	1.200	1200		1	1.003	127.600	225
							0	1.007	125.500	225
49	431592.656	306011.490	126.650	1.490	1200		1	1.008	125.500	225
							2	7.001	125.160	300
							0	1.011	125.235	225
50	431560.101	306044.176	126.600	1.325	1200		0	1.012	125.160	300
							0	8.000	125.275	225
51	431566.011	306036.007	126.600	1.385	1200		1	8.000	125.215	225
							0	8.001	125.215	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	0	0	0
100	40	10	0

Node 33 Online Hydro-Brake® Control

Flap Valve	x	Objective	(HE) Minimise upstream storage
Replaces Downstream Link	✓	Sump Available	✓
Invert Level (m)	124.890	Product Number	CTL-SHE-0144-1000-1125-1000
Design Depth (m)	1.125	Min Outlet Diameter (m)	0.225
Design Flow (l/s)	10.0	Min Node Diameter (mm)	1200

Node tank 2 outlet Online Hydro-Brake® Control

Flap Valve	x	Objective	(HE) Minimise upstream storage
Replaces Downstream Link	✓	Sump Available	✓
Invert Level (m)	125.370	Product Number	CTL-SHE-0067-2000-1000-2000
Design Depth (m)	1.000	Min Outlet Diameter (m)	0.100
Design Flow (l/s)	2.0	Min Node Diameter (mm)	1200

Node tank1 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	124.900
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Time to half empty (mins)	

Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)
0.000	422.0	0.0	0.660	422.0	0.0	0.661	0.0	0.0

Node tank2 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 (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)
0.000	245.0	0.0	0.660	245.0	0.0	0.661	0.0	0.0

Approval Settings

Node Size	✓	Backdrops	✓
Node Losses	✓	Minimum Backdrop Height (m)	0.000
Link Size	✓	Maximum Backdrop Height (m)	0.001
Minimum Diameter (mm)	150	Full Bore Velocity	✓
Link Length	✓	Minimum Full Bore Velocity (m/s)	1.000
Maximum Length (m)	100.000	Maximum Full Bore Velocity (m/s)	3.000
Coordinates	✓	Proportional Velocity	x
Accuracy (m)	1.000	Surcharged Depth	x
Crossings	✓	Flooding	x
Cover Depth	✓	Time to Half Empty	x
Minimum Cover Depth (m)	0.900	Discharge Rates	x
Maximum Cover Depth (m)	3.000	Discharge Volume	x

Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
1 year 15 minute summer	109.521	30.991
1 year 30 minute summer	71.439	20.215
1 year 60 minute summer	48.435	12.800
1 year 120 minute summer	30.053	7.942
1 year 180 minute summer	23.233	5.979
1 year 240 minute summer	18.475	4.882
1 year 360 minute summer	14.169	3.646
1 year 480 minute summer	11.185	2.956
1 year 600 minute summer	9.182	2.511
1 year 720 minute summer	8.203	2.199
1 year 960 minute summer	6.768	1.782
1 year 1440 minute summer	4.949	1.326
1 year 2160 minute summer	3.574	0.988
30 year 15 minute summer	268.706	76.035
30 year 30 minute summer	174.929	49.499
30 year 60 minute summer	116.589	30.811
30 year 120 minute summer	70.438	18.615
30 year 180 minute summer	53.298	13.715
30 year 240 minute summer	41.604	10.995
30 year 360 minute summer	31.221	8.034
30 year 480 minute summer	24.324	6.428
30 year 600 minute summer	19.756	5.404
30 year 720 minute summer	17.490	4.687
30 year 960 minute summer	14.215	3.743
30 year 1440 minute summer	10.161	2.723
30 year 2160 minute summer	7.160	1.979
100 year 15 minute summer	348.738	98.681
100 year 30 minute summer	228.965	64.789
100 year 60 minute summer	153.288	40.510
100 year 120 minute summer	92.562	24.461
100 year 180 minute summer	69.806	17.964
100 year 240 minute summer	54.269	14.342
100 year 360 minute summer	40.484	10.418
100 year 480 minute summer	31.414	8.302
100 year 600 minute summer	25.431	6.956
100 year 720 minute summer	22.452	6.017
100 year 960 minute summer	18.166	4.784
100 year 1440 minute summer	12.896	3.456
100 year 2160 minute summer	9.021	2.493
100 year +40% CC +10% A 15 minute summer	488.233	138.153
100 year +40% CC +10% A 30 minute summer	320.551	90.705
100 year +40% CC +10% A 60 minute summer	214.603	56.713
100 year +40% CC +10% A 120 minute summer	129.587	34.246
100 year +40% CC +10% A 180 minute summer	97.729	25.149
100 year +40% CC +10% A 240 minute summer	75.977	20.078
100 year +40% CC +10% A 360 minute summer	56.677	14.585
100 year +40% CC +10% A 480 minute summer	43.979	11.622
100 year +40% CC +10% A 600 minute summer	35.604	9.738
100 year +40% CC +10% A 720 minute summer	31.433	8.424
100 year +40% CC +10% A 960 minute summer	25.432	6.697
100 year +40% CC +10% A 1440 minute summer	18.055	4.839
100 year +40% CC +10% A 2160 minute summer	12.630	3.490

Results for 1 year Critical Storm Duration. Lowest mass balance: 97.72%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	1	10	128.392	0.107	16.9	0.3374	0.0000	OK
15 minute summer	2	10	128.284	0.104	16.9	0.1182	0.0000	OK
15 minute summer	3	10	128.199	0.060	16.9	0.0680	0.0000	OK
15 minute summer	4	1	128.425	0.000	0.0	0.0000	0.0000	OK
15 minute summer	5	1	128.150	0.000	0.0	0.0000	0.0000	OK
15 minute summer	6	1	127.945	0.000	0.0	0.0000	0.0000	OK
15 minute summer	7	11	127.461	0.071	16.8	0.0805	0.0000	OK
15 minute summer	9	11	126.954	0.069	20.5	0.1154	0.0000	OK
15 minute summer	10	10	125.842	0.020	1.9	0.0277	0.0000	OK
15 minute summer	11	11	125.674	0.124	23.6	0.1923	0.0000	OK
480 minute summer	tank2	312	125.477	0.107	5.5	24.9938	0.0000	OK
480 minute summer	tank 2 outlet	312	125.476	0.106	1.6	0.1199	0.0000	OK
15 minute summer	15	10	125.397	0.047	3.8	0.0624	0.0000	OK
15 minute summer	16	11	125.241	0.091	13.8	0.1585	0.0000	OK
15 minute summer	18	11	125.166	0.141	24.0	0.1804	0.0000	OK
15 minute summer	T1I3	11	125.143	0.143	23.7	0.1616	0.0000	OK
15 minute summer	20	10	128.870	0.064	7.2	0.1229	0.0000	OK
15 minute summer	21	10	128.795	0.100	14.4	0.1859	0.0000	OK
15 minute summer	22	10	128.760	0.108	21.6	0.2027	0.0000	OK
15 minute summer	24	11	128.572	0.122	33.3	0.1865	0.0000	OK
15 minute summer	25	11	128.051	0.078	36.0	0.1215	0.0000	OK
15 minute summer	26	11	126.141	0.063	36.2	0.0712	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	1	1.000	2	16.9	0.920	0.424	0.3291	
15 minute summer	2	1.001	3	16.9	1.286	0.425	0.0902	
15 minute summer	3	1.002	47	16.9	1.252	0.157	0.1744	
15 minute summer	4	2.000	5	0.0	0.000	0.000	0.0000	
15 minute summer	5	2.001	46	0.0	0.000	0.000	0.0000	
15 minute summer	6	3.000	7	0.0	0.000	0.000	0.0000	
15 minute summer	7	1.005	9	16.8	1.592	0.203	0.2119	
15 minute summer	9	1.006	11	20.6	1.268	0.208	0.6096	
15 minute summer	10	6.000	15	1.9	0.537	0.017	0.0390	
15 minute summer	11	1.007	48	23.5	1.092	0.449	0.1062	
480 minute summer	tank2	1.009	tank 2 outlet	1.6	0.119	0.040	0.1769	
480 minute summer	tank 2 outlet	Hydro-Brake®	15	1.6				
15 minute summer	15	1.011	49	3.6	0.621	0.090	0.1127	
15 minute summer	16	1.013	18	13.3	0.530	0.203	0.9014	
15 minute summer	18	1.014	T1I3	23.7	0.723	0.297	0.1582	
15 minute summer	T1I3	1.015	tank1	24.2	1.336	0.435	0.7568	
15 minute summer	20	9.000	21	7.2	0.464	0.101	0.4224	
15 minute summer	21	9.001	22	14.1	0.651	0.198	0.2243	
15 minute summer	22	9.002	24	21.1	0.859	0.270	0.9943	
15 minute summer	24	9.003	25	32.9	1.594	0.309	1.0826	
15 minute summer	25	9.004	26	36.2	2.861	0.135	0.4148	
15 minute summer	26	9.005	T1I1	36.2	1.533	0.098	0.1722	

Results for 1 year Critical Storm Duration. Lowest mass balance: 97.72%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	T1I1	11	125.458	0.158	36.2	0.1792	0.0000	OK
15 minute summer	28	1	126.613	0.000	0.0	0.0000	0.0000	OK
15 minute summer	29	1	125.599	0.000	0.0	0.0000	0.0000	OK
15 minute summer	T1I2	1	125.375	0.000	0.0	0.0000	0.0000	OK
240 minute summer	tank1	160	125.032	0.132	23.7	53.5863	0.0000	OK
240 minute summer	T1OUT	160	125.030	0.139	7.9	0.1996	0.0000	OK
240 minute summer	33	160	125.029	0.154	7.9	0.2198	0.0000	OK
15 minute summer	33_OUT	1	124.770	0.000	3.8	0.0000	0.0000	OK
15 minute summer	34	1	130.950	0.000	0.0	0.0000	0.0000	OK
15 minute summer	35	10	125.510	0.035	1.9	0.0181	0.0000	OK
15 minute summer	36	10	125.316	0.041	3.7	0.0539	0.0000	OK
15 minute summer	38	10	125.613	0.038	2.5	0.0543	0.0000	OK
15 minute summer	39	10	125.625	0.050	4.8	0.0845	0.0000	OK
15 minute summer	40	10	125.555	0.070	7.3	0.0787	0.0000	OK
15 minute summer	41	9	125.519	0.062	7.3	0.0704	0.0000	OK
15 minute summer	42	10	128.818	0.070	7.4	0.0954	0.0000	OK
15 minute summer	43	10	129.052	0.046	3.6	0.0729	0.0000	OK
15 minute summer	44	10	128.897	0.057	4.9	0.0702	0.0000	OK
15 minute summer	45	11	127.612	0.106	16.6	0.1198	0.0000	OK
15 minute summer	46	1	127.875	0.000	0.0	0.0000	0.0000	OK
15 minute summer	47	10	127.708	0.108	16.9	0.1217	0.0000	OK
15 minute summer	48	11	125.615	0.115	23.5	0.1306	0.0000	OK
15 minute summer	49	11	125.255	0.095	7.2	0.1072	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	T1I1	9.006	tank1	36.0	1.023	0.459	0.2628	96.0
15 minute summer	28	12.000	29	0.0	0.000	0.000	0.0000	
15 minute summer	29	12.001	T1I2	0.0	0.000	0.000	0.0000	
15 minute summer	T1I2	12.002	tank1	0.0	0.000	0.000	0.0000	
240 minute summer	tank1	1.016	T1OUT	7.9	0.254	0.072	0.1900	
240 minute summer	T1OUT	1.017	33	7.9	0.204	0.053	0.1058	
240 minute summer	33	Hydro-Brake®	33_OUT	7.9				
15 minute summer	34	10.000	22	0.0	0.000	0.000	0.0000	
15 minute summer	35	7.000	36	1.8	0.470	0.052	0.1051	
15 minute summer	36	7.001	49	3.6	0.317	0.040	0.2102	
15 minute summer	38	4.000	40	2.5	0.343	0.062	0.1123	
15 minute summer	39	5.000	40	4.8	0.571	0.108	0.1044	
15 minute summer	40	4.001	41	7.3	0.821	0.184	0.0447	
15 minute summer	41	4.002	tank2	7.5	1.691	0.090	0.0163	
15 minute summer	42	11.002	24	7.2	0.927	0.409	0.1164	
15 minute summer	43	11.000	44	3.6	0.678	0.203	0.0887	
15 minute summer	44	11.001	42	4.9	0.690	0.274	0.0650	
15 minute summer	45	1.004	7	16.8	1.157	0.420	0.2854	
15 minute summer	46	2.002	7	0.0	0.000	0.000	0.0000	
15 minute summer	47	1.003	45	16.6	0.904	0.417	0.2919	
15 minute summer	48	1.008	tank2	23.3	1.210	0.445	0.1896	
15 minute summer	49	1.012	16	7.2	0.388	0.208	0.1858	

Results for 1 year Critical Storm Duration. Lowest mass balance: 97.72%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	50	10	125.353	0.078	9.5	0.1629	0.0000	OK
15 minute summer	51	10	125.266	0.051	9.5	0.0582	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	50	8.000	51	9.5	1.012	0.238	0.0956	
15 minute summer	51	8.001	18	9.5	1.464	0.090	0.0221	

Results for 30 year Critical Storm Duration. Lowest mass balance: 97.72%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	1	10	128.496	0.211	41.3	0.6615	0.0000	OK
15 minute summer	2	10	128.354	0.175	41.0	0.1982	0.0000	OK
15 minute summer	3	10	128.235	0.096	40.9	0.1084	0.0000	OK
15 minute summer	4	1	128.425	0.000	0.0	0.0000	0.0000	OK
15 minute summer	5	1	128.150	0.000	0.0	0.0000	0.0000	OK
15 minute summer	6	1	127.945	0.000	0.0	0.0000	0.0000	OK
15 minute summer	7	11	127.508	0.118	40.5	0.1338	0.0000	OK
15 minute summer	9	11	126.997	0.112	49.7	0.1869	0.0000	OK
15 minute summer	10	10	125.854	0.032	4.8	0.0430	0.0000	OK
15 minute summer	11	11	125.874	0.324	57.2	0.5010	0.0000	SURCHARGED
360 minute summer	tank2	288	125.620	0.250	19.6	58.5678	0.0000	SURCHARGED
360 minute summer	tank 2 outlet	288	125.620	0.250	2.0	0.2827	0.0000	SURCHARGED
15 minute summer	15	10	125.427	0.077	9.6	0.1032	0.0000	OK
15 minute summer	16	11	125.313	0.163	34.5	0.2843	0.0000	OK
15 minute summer	18	10	125.272	0.247	59.6	0.3161	0.0000	OK
15 minute summer	T1I3	11	125.229	0.229	58.4	0.2593	0.0000	OK
15 minute summer	20	10	128.907	0.101	17.6	0.1941	0.0000	OK
15 minute summer	21	10	128.872	0.177	35.2	0.3308	0.0000	OK
15 minute summer	22	10	128.838	0.186	52.9	0.3490	0.0000	OK
15 minute summer	24	11	128.660	0.210	81.7	0.3210	0.0000	OK
15 minute summer	25	11	128.099	0.127	88.2	0.1972	0.0000	OK
15 minute summer	26	11	126.181	0.103	89.0	0.1165	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	1	1.000	2	41.0	1.131	1.029	0.6437	
15 minute summer	2	1.001	3	40.9	1.638	1.029	0.1674	
15 minute summer	3	1.002	47	40.8	1.478	0.381	0.3495	
15 minute summer	4	2.000	5	0.0	0.000	0.000	0.0000	
15 minute summer	5	2.001	46	0.0	0.000	0.000	0.0000	
15 minute summer	6	3.000	7	0.0	0.000	0.000	0.0000	
15 minute summer	7	1.005	9	40.6	1.983	0.490	0.4105	
15 minute summer	9	1.006	11	49.9	1.464	0.504	1.1057	
15 minute summer	10	6.000	15	4.8	0.679	0.043	0.0781	
15 minute summer	11	1.007	48	56.0	1.407	1.071	0.1966	
360 minute summer	tank2	1.009	tank 2 outlet	2.0	0.117	0.050	0.3810	
360 minute summer	tank 2 outlet	Hydro-Brake®	15	1.9				
15 minute summer	15	1.011	49	9.5	0.774	0.238	0.2502	
15 minute summer	16	1.013	18	33.2	0.660	0.508	1.8050	
15 minute summer	18	1.014	T1I3	58.4	0.974	0.732	0.2890	
15 minute summer	T1I3	1.015	tank1	59.5	1.564	1.067	1.6316	
15 minute summer	20	9.000	21	17.6	0.561	0.248	0.8636	
15 minute summer	21	9.001	22	34.6	0.776	0.486	0.4626	
15 minute summer	22	9.002	24	52.0	1.056	0.665	1.9915	
15 minute summer	24	9.003	25	80.6	1.974	0.757	2.1147	
15 minute summer	25	9.004	26	89.0	3.575	0.331	0.8156	
15 minute summer	26	9.005	T1I1	89.3	1.783	0.241	0.3263	

Results for 30 year Critical Storm Duration. Lowest mass balance: 97.72%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	T111	11	125.605	0.305	89.3	0.3452	0.0000	SURCHARGED
15 minute summer	28	1	126.613	0.000	0.0	0.0000	0.0000	OK
15 minute summer	29	1	125.599	0.000	0.0	0.0000	0.0000	OK
15 minute summer	T112	1	125.375	0.000	0.0	0.0000	0.0000	OK
240 minute summer	tank1	176	125.213	0.313	53.0	126.9358	0.0000	OK
240 minute summer	T1OUT	176	125.213	0.323	10.2	0.4620	0.0000	OK
240 minute summer	33	176	125.213	0.338	10.0	0.4830	0.0000	SURCHARGED
15 minute summer	33_OUT	1	124.770	0.000	9.5	0.0000	0.0000	OK
15 minute summer	34	1	130.950	0.000	0.0	0.0000	0.0000	OK
15 minute summer	35	10	125.532	0.057	4.8	0.0291	0.0000	OK
15 minute summer	36	10	125.340	0.065	9.5	0.0857	0.0000	OK
15 minute summer	38	10	125.635	0.059	6.2	0.0852	0.0000	OK
15 minute summer	39	10	125.657	0.082	11.7	0.1401	0.0000	OK
360 minute summer	40	288	125.620	0.135	3.2	0.1528	0.0000	OK
360 minute summer	41	288	125.620	0.163	7.0	0.1845	0.0000	OK
15 minute summer	42	10	128.887	0.139	18.3	0.1901	0.0000	OK
15 minute summer	43	10	129.082	0.076	8.8	0.1213	0.0000	OK
15 minute summer	44	10	128.942	0.101	12.1	0.1257	0.0000	OK
15 minute summer	45	11	127.692	0.186	40.0	0.2103	0.0000	OK
15 minute summer	46	1	127.875	0.000	0.0	0.0000	0.0000	OK
15 minute summer	47	10	127.809	0.209	40.8	0.2364	0.0000	OK
15 minute summer	48	11	125.763	0.263	56.0	0.2972	0.0000	SURCHARGED
15 minute summer	49	11	125.326	0.166	18.9	0.1877	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	T111	9.006	tank1	89.4	1.342	1.142	0.4825	
15 minute summer	28	12.000	29	0.0	0.000	0.000	0.0000	
15 minute summer	29	12.001	T112	0.0	0.000	0.000	0.0000	
15 minute summer	T112	12.002	tank1	0.0	0.000	0.000	0.0000	
240 minute summer	tank1	1.016	T1OUT	10.2	0.254	0.093	0.5463	
240 minute summer	T1OUT	1.017	33	10.0	0.206	0.067	0.2725	
240 minute summer	33	Hydro-Brake®	33_OUT	10.0				205.9
15 minute summer	34	10.000	22	0.0	0.000	0.000	0.0527	
15 minute summer	35	7.000	36	4.7	0.611	0.134	0.2110	
15 minute summer	36	7.001	49	9.4	0.401	0.104	0.4307	
15 minute summer	38	4.000	40	6.2	0.450	0.155	0.2112	
15 minute summer	39	5.000	40	11.7	0.717	0.264	0.2017	
360 minute summer	40	4.001	41	4.0	0.669	0.101	0.1321	
360 minute summer	41	4.002	tank2	7.5	0.776	0.089	0.1182	
15 minute summer	42	11.002	24	17.6	1.087	0.996	0.2421	
15 minute summer	43	11.000	44	8.8	0.813	0.498	0.1807	
15 minute summer	44	11.001	42	12.1	0.814	0.680	0.1367	
15 minute summer	45	1.004	7	40.5	1.418	1.016	0.5514	
15 minute summer	46	2.002	7	0.0	0.000	0.000	0.0000	
15 minute summer	47	1.003	45	40.0	1.090	1.002	0.5830	
15 minute summer	48	1.008	tank2	55.6	1.410	1.061	0.3758	
15 minute summer	49	1.012	16	18.0	0.485	0.523	0.3964	

Results for 30 year Critical Storm Duration. Lowest mass balance: 97.72%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	50	10	125.404	0.129	23.4	0.2697	0.0000	OK
15 minute summer	51	10	125.313	0.098	23.4	0.1106	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	50	8.000	51	23.4	1.172	0.586	0.2017	
15 minute summer	51	8.001	18	23.6	1.474	0.223	0.0686	

Results for 100 year Critical Storm Duration. Lowest mass balance: 97.72%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	1	10	128.622	0.337	53.7	1.0581	0.0000	SURCHARGED
15 minute summer	2	10	128.394	0.215	52.4	0.2427	0.0000	OK
15 minute summer	3	11	128.267	0.128	51.8	0.1450	0.0000	OK
15 minute summer	4	1	128.425	0.000	0.0	0.0000	0.0000	OK
15 minute summer	5	1	128.150	0.000	0.0	0.0000	0.0000	OK
15 minute summer	6	1	127.945	0.000	0.0	0.0000	0.0000	OK
15 minute summer	7	11	127.525	0.135	49.9	0.1527	0.0000	OK
15 minute summer	9	11	127.013	0.128	61.3	0.2132	0.0000	OK
15 minute summer	10	10	125.858	0.036	6.2	0.0487	0.0000	OK
15 minute summer	11	11	126.028	0.478	71.0	0.7397	0.0000	SURCHARGED
240 minute summer	tank2	240	125.705	0.335	32.6	78.4690	0.0000	SURCHARGED
240 minute summer	tank 2 outlet	240	125.705	0.335	2.1	0.3788	0.0000	SURCHARGED
15 minute summer	15	9	125.436	0.086	12.4	0.1150	0.0000	OK
15 minute summer	16	11	125.370	0.220	41.9	0.3841	0.0000	OK
180 minute summer	18	164	125.329	0.304	26.3	0.3894	0.0000	SURCHARGED
180 minute summer	T1I3	164	125.332	0.331	25.5	0.3749	0.0000	SURCHARGED
15 minute summer	20	10	128.925	0.118	22.8	0.2288	0.0000	OK
15 minute summer	21	10	128.911	0.216	44.8	0.4024	0.0000	OK
15 minute summer	22	10	128.878	0.226	67.8	0.4231	0.0000	OK
15 minute summer	24	11	128.706	0.256	103.0	0.3911	0.0000	OK
15 minute summer	25	11	128.116	0.144	111.2	0.2224	0.0000	OK
15 minute summer	26	11	126.205	0.127	112.0	0.1434	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	1	1.000	2	52.4	1.317	1.313	0.7063	
15 minute summer	2	1.001	3	51.8	1.668	1.304	0.2090	
15 minute summer	3	1.002	47	51.1	1.509	0.477	0.4042	
15 minute summer	4	2.000	5	0.0	0.000	0.000	0.0000	
15 minute summer	5	2.001	46	0.0	0.000	0.000	0.0000	
15 minute summer	6	3.000	7	0.0	0.000	0.000	0.0000	
15 minute summer	7	1.005	9	49.5	2.100	0.598	0.4834	
15 minute summer	9	1.006	11	60.6	1.710	0.612	1.1714	
15 minute summer	10	6.000	15	6.2	0.719	0.055	0.0909	
15 minute summer	11	1.007	48	68.6	1.725	1.312	0.1966	
240 minute summer	tank2	1.009	tank 2 outlet	2.1	0.110	0.053	0.3810	
240 minute summer	tank 2 outlet	Hydro-Brake®	15	2.0				
15 minute summer	15	1.011	49	12.5	0.764	0.313	0.3838	
15 minute summer	16	1.013	18	40.9	0.661	0.626	2.2452	
180 minute summer	18	1.014	T1I3	25.5	0.747	0.319	0.3398	
180 minute summer	T1I3	1.015	tank1	24.3	0.700	0.436	2.7579	
15 minute summer	20	9.000	21	22.0	0.587	0.310	1.0802	
15 minute summer	21	9.001	22	44.1	0.800	0.618	0.5756	
15 minute summer	22	9.002	24	66.5	1.105	0.849	2.4271	
15 minute summer	24	9.003	25	101.4	2.049	0.953	2.5352	
15 minute summer	25	9.004	26	112.0	3.645	0.417	1.0077	
15 minute summer	26	9.005	T1I1	112.3	1.952	0.304	0.3509	

Results for 100 year Critical Storm Duration. Lowest mass balance: 97.72%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	T111	11	125.677	0.377	112.3	0.4260	0.0000	SURCHARGED
15 minute summer	28	1	126.613	0.000	0.0	0.0000	0.0000	OK
15 minute summer	29	1	125.599	0.000	0.0	0.0000	0.0000	OK
15 minute summer	T112	1	125.375	0.000	0.0	0.0000	0.0000	OK
180 minute summer	tank1	160	125.328	0.428	84.1	173.4769	0.0000	SURCHARGED
180 minute summer	T1OUT	160	125.380	0.490	18.8	0.7015	0.0000	SURCHARGED
360 minute summer	33	256	125.360	0.485	61.2	0.6934	0.0000	SURCHARGED
15 minute summer	33_OUT	1	124.770	0.000	9.9	0.0000	0.0000	OK
15 minute summer	34	1	130.950	0.000	0.0	0.0000	0.0000	OK
15 minute summer	35	10	125.540	0.065	6.2	0.0333	0.0000	OK
15 minute summer	36	11	125.379	0.104	12.3	0.1376	0.0000	OK
240 minute summer	38	236	125.706	0.131	1.9	0.1874	0.0000	OK
240 minute summer	39	236	125.707	0.132	3.6	0.2236	0.0000	OK
240 minute summer	40	240	125.706	0.221	5.5	0.2500	0.0000	OK
240 minute summer	41	224	125.706	0.249	15.0	0.2819	0.0000	SURCHARGED
15 minute summer	42	11	128.974	0.226	22.0	0.3084	0.0000	SURCHARGED
15 minute summer	43	11	129.099	0.093	11.4	0.1473	0.0000	OK
15 minute summer	44	11	129.052	0.212	15.4	0.2628	0.0000	SURCHARGED
15 minute summer	45	11	127.791	0.285	50.4	0.3222	0.0000	SURCHARGED
15 minute summer	46	1	127.875	0.000	0.0	0.0000	0.0000	OK
15 minute summer	47	11	127.987	0.387	51.1	0.4379	0.0000	SURCHARGED
15 minute summer	48	11	125.861	0.361	68.6	0.4088	0.0000	SURCHARGED
15 minute summer	49	11	125.379	0.219	22.8	0.2480	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	T111	9.006	tank1	112.4	1.605	1.436	0.5037	
15 minute summer	28	12.000	29	0.0	0.000	0.000	0.0000	
15 minute summer	29	12.001	T112	0.0	0.000	0.000	0.0000	
15 minute summer	T112	12.002	tank1	0.0	0.000	0.000	0.0000	
180 minute summer	tank1	1.016	T1OUT	18.8	0.255	0.170	0.6129	
180 minute summer	T1OUT	1.017	33	11.4	0.207	0.076	0.2925	
360 minute summer	33	Hydro-Brake®	33_OUT	10.0				277.0
15 minute summer	34	10.000	22	0.0	0.000	0.000	0.1432	
15 minute summer	35	7.000	36	6.1	0.658	0.175	0.2552	
15 minute summer	36	7.001	49	11.7	0.425	0.129	0.6562	
240 minute summer	38	4.000	40	1.9	0.313	0.048	0.4808	
240 minute summer	39	5.000	40	3.6	0.501	0.081	0.3928	
240 minute summer	40	4.001	41	8.6	0.796	0.217	0.1882	
240 minute summer	41	4.002	tank2	12.4	1.039	0.147	0.1331	
15 minute summer	42	11.002	24	21.2	1.205	1.198	0.2540	
15 minute summer	43	11.000	44	11.1	0.841	0.626	0.2418	
15 minute summer	44	11.001	42	14.0	0.807	0.791	0.1619	
15 minute summer	45	1.004	7	49.9	1.406	1.253	0.6337	
15 minute summer	46	2.002	7	0.0	0.000	0.000	0.0000	
15 minute summer	47	1.003	45	50.4	1.266	1.262	0.6305	
15 minute summer	48	1.008	tank2	68.2	1.716	1.304	0.3853	
15 minute summer	49	1.012	16	22.8	0.483	0.662	0.5546	

Results for 100 year Critical Storm Duration. Lowest mass balance: 97.72%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	50	10	125.427	0.152	30.4	0.3189	0.0000	OK
15 minute summer	51	10	125.333	0.118	30.4	0.1339	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	50	8.000	51	30.4	1.220	0.760	0.2506	
15 minute summer	51	8.001	18	30.3	1.428	0.285	0.0846	

Results for 100 year +40% CC +10% A Critical Storm Duration. Lowest mass balance: 97.72%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	1	11	129.203	0.918	82.6	3.0682	0.0000	FLOOD RISK
15 minute summer	2	11	128.799	0.620	71.1	0.7016	0.0000	SURCHARGED
15 minute summer	3	11	128.603	0.464	68.2	0.5244	0.0000	SURCHARGED
15 minute summer	4	1	128.425	0.000	0.0	0.0000	0.0000	OK
15 minute summer	5	1	128.150	0.000	0.0	0.0000	0.0000	OK
15 minute summer	6	1	127.945	0.000	0.0	0.0000	0.0000	OK
15 minute summer	7	12	127.598	0.208	65.6	0.2349	0.0000	OK
15 minute summer	9	12	127.253	0.368	80.9	0.6323	0.0000	SURCHARGED
240 minute summer	10	180	125.989	0.167	2.3	0.2310	0.0000	OK
15 minute summer	11	11	126.308	0.758	93.9	1.2053	0.0000	SURCHARGED
360 minute summer	tank2	360	125.974	0.604	28.4	141.3303	0.0000	SURCHARGED
360 minute summer	tank 2 outlet	360	125.973	0.603	2.1	0.6823	0.0000	SURCHARGED
240 minute summer	15	180	125.988	0.638	6.5	0.8681	0.0000	SURCHARGED
240 minute summer	16	180	125.987	0.837	17.9	1.5156	0.0000	SURCHARGED
240 minute summer	18	200	125.987	0.962	27.8	1.2465	0.0000	SURCHARGED
240 minute summer	T113	180	125.984	0.984	26.3	1.1130	0.0000	SURCHARGED
15 minute summer	20	11	129.361	0.555	35.1	1.1166	0.0000	SURCHARGED
15 minute summer	21	11	129.345	0.649	67.4	1.2599	0.0000	SURCHARGED
15 minute summer	22	11	129.303	0.651	95.2	1.2671	0.0000	SURCHARGED
15 minute summer	24	11	129.025	0.575	128.2	0.9003	0.0000	SURCHARGED
15 minute summer	25	11	128.133	0.161	139.3	0.2562	0.0000	OK
15 minute summer	26	11	126.238	0.160	139.2	0.1809	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	1	1.000	2	71.1	1.787	1.783	0.7125	
15 minute summer	2	1.001	3	68.2	1.714	1.714	0.2702	
15 minute summer	3	1.002	47	67.1	1.687	0.626	0.5092	
15 minute summer	4	2.000	5	0.0	0.000	0.000	0.0000	
15 minute summer	5	2.001	46	0.0	0.000	0.000	0.0000	
15 minute summer	6	3.000	7	0.0	0.000	0.000	0.0000	
15 minute summer	7	1.005	9	65.3	2.033	0.789	0.7831	
15 minute summer	9	1.006	11	77.4	1.948	0.782	1.4766	
240 minute summer	10	6.000	15	2.3	0.455	0.020	0.3618	
15 minute summer	11	1.007	48	88.5	2.225	1.692	0.1966	
360 minute summer	tank2	1.009	tank 2 outlet	2.1	0.109	0.052	0.3810	
360 minute summer	tank 2 outlet	Hydro-Brake®	15	2.0				
240 minute summer	15	1.011	49	6.5	0.724	0.164	0.7706	
240 minute summer	16	1.013	18	16.4	0.527	0.251	2.5187	
240 minute summer	18	1.014	T113	26.3	0.694	0.330	0.3398	
240 minute summer	T113	1.015	tank1	26.8	0.734	0.481	2.7579	
15 minute summer	20	9.000	21	32.3	0.605	0.455	1.9000	
15 minute summer	21	9.001	22	58.7	0.833	0.823	0.7295	
15 minute summer	22	9.002	24	84.0	1.192	1.073	2.8469	
15 minute summer	24	9.003	25	124.2	2.023	1.167	2.8379	
15 minute summer	25	9.004	26	139.2	3.667	0.518	1.2556	
15 minute summer	26	9.005	T111	138.5	2.249	0.375	0.3860	

Results for 100 year +40% CC +10% A Critical Storm Duration. Lowest mass balance: 97.72%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	T111	180	125.983	0.683	44.4	0.7728	0.0000	SURCHARGED
15 minute summer	28	1	126.613	0.000	0.0	0.0000	0.0000	OK
240 minute summer	29	180	125.986	0.386	2.9	0.4371	0.0000	SURCHARGED
240 minute summer	T112	180	125.985	0.610	3.8	0.6901	0.0000	SURCHARGED
240 minute summer	tank1	180	125.983	1.083	101.1	269.8443	0.0000	FLOOD RISK
360 minute summer	T1OUT	256	125.982	1.092	84.3	1.5627	6.5909	FLOOD
180 minute summer	33	156	125.982	1.107	100.0	1.5844	0.0000	FLOOD RISK
15 minute summer	33_OUT	1	124.770	0.000	10.0	0.0000	0.0000	OK
15 minute summer	34	1	130.950	0.000	0.0	0.0000	0.0000	OK
240 minute summer	35	180	125.989	0.514	2.3	0.2758	0.0000	SURCHARGED
240 minute summer	36	180	125.988	0.713	4.6	0.9598	0.0000	SURCHARGED
360 minute summer	38	368	125.975	0.400	2.2	0.5855	0.0000	SURCHARGED
360 minute summer	39	368	125.975	0.400	4.2	0.7029	0.0000	SURCHARGED
360 minute summer	40	360	125.976	0.491	5.7	0.5550	0.0000	SURCHARGED
360 minute summer	41	368	125.975	0.518	5.1	0.5856	0.0000	SURCHARGED
15 minute summer	42	11	129.377	0.629	27.7	0.8724	0.0000	SURCHARGED
15 minute summer	43	11	129.575	0.569	17.5	0.9292	0.0000	SURCHARGED
15 minute summer	44	12	129.478	0.638	19.0	0.7966	0.0000	SURCHARGED
15 minute summer	45	12	127.972	0.466	66.0	0.5267	0.0000	SURCHARGED
15 minute summer	46	1	127.875	0.000	0.0	0.0000	0.0000	OK
15 minute summer	47	11	128.306	0.706	67.1	0.7990	0.0000	SURCHARGED
15 minute summer	48	11	126.032	0.532	88.5	0.6013	0.0000	SURCHARGED
240 minute summer	49	180	125.987	0.827	10.9	0.9357	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)
240 minute summer	T111	9.006	tank1	44.4	1.075	0.567	0.5262	
15 minute summer	28	12.000	29	0.0	0.000	0.000	0.0000	
240 minute summer	29	12.001	T112	-2.9	-0.085	-0.021	0.1281	
240 minute summer	T112	12.002	tank1	-3.8	-0.095	-0.072	0.6913	
240 minute summer	tank1	1.016	T1OUT	-40.5	-0.367	-0.366	0.6129	
360 minute summer	T1OUT	1.017	33	152.4	1.382	1.015	0.2925	
180 minute summer	33	Hydro-Brake®	33_OUT	10.0				209.5
15 minute summer	34	10.000	22	0.0	0.000	0.000	0.2822	
240 minute summer	35	7.000	36	2.3	0.502	0.066	1.0931	
240 minute summer	36	7.001	49	4.5	0.283	0.049	1.2039	
360 minute summer	38	4.000	40	1.8	0.267	0.045	0.6022	
360 minute summer	39	5.000	40	3.9	0.440	0.087	0.4908	
360 minute summer	40	4.001	41	5.1	0.623	0.129	0.1886	
360 minute summer	41	4.002	tank2	10.6	0.913	0.126	0.1331	
15 minute summer	42	11.002	24	25.3	1.438	1.432	0.2628	
15 minute summer	43	11.000	44	13.4	0.871	0.758	0.2932	
15 minute summer	44	11.001	42	17.0	0.966	0.957	0.1619	
15 minute summer	45	1.004	7	65.6	1.695	1.646	0.7656	
15 minute summer	46	2.002	7	0.0	0.000	0.000	0.0000	
15 minute summer	47	1.003	45	66.0	1.660	1.654	0.6305	
15 minute summer	48	1.008	tank2	88.5	2.225	1.690	0.3881	
240 minute summer	49	1.012	16	9.7	0.436	0.280	0.7072	

Results for 100 year +40% CC +10% A Critical Storm Duration. Lowest mass balance: 97.72%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	50	192	125.986	0.711	11.1	1.5599	0.0000	SURCHARGED
240 minute summer	51	200	125.985	0.770	11.0	0.8707	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)
240 minute summer	50	8.000	51	11.0	1.082	0.276	0.4010	
240 minute summer	51	8.001	18	10.3	1.279	0.097	0.1111	