

Design Settings

Rainfall Methodology	FSR	Maximum Time of Concentration (mins)	30.00
Return Period (years)	2	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)	17.000	Minimum Backdrop Height (m)	2.000
Ratio-R	0.300	Preferred Cover Depth (m)	1.200
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

Circular Default Sewer Type Link Type

Shape	Circular	Follow Ground	x
Barrels	1	Velocity	Colebrook-White
Auto Increment (mm)	75	ks (mm) / n	0.600

Available Diameters (mm)

100 | 150

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
7	0.000	5.00	105.875	1350	387913.326	404214.917	2.055
6	0.000		105.457	1350	387937.973	404199.144	1.734
5	0.000		104.984	1350	387961.446	404235.847	1.413
3	0.000		105.400	1350	387930.065	404256.574	1.973
13	0.118	5.00	105.002	2400	387920.364	404168.708	1.262
12	0.163	5.00	105.493	2700	387936.167	404193.310	1.826
11	0.125	5.00	104.953	2400	387964.092	404236.300	1.414
10	0.000		104.871	2100	387934.441	404255.807	1.421
2	0.000		105.076	1500	387934.064	404262.696	1.676
1			104.733	1350	387939.421	404270.854	1.373

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	7	6	29.262	0.600	103.820	103.723	0.097	301.7	300	5.54	49.7
1.001	6	5	43.567	0.600	103.723	103.571	0.152	286.6	300	6.33	47.2
1.002	5	3	37.608	0.600	103.571	103.427	0.144	261.2	300	6.98	45.3
1.003	3	2	7.313	0.600	103.427	103.400	0.027	270.9	300	7.10	47.4
2.000	13	12	29.241	0.600	103.740	103.667	0.073	400.6	600	5.40	50.0
2.001	12	11	51.263	0.600	103.667	103.539	0.128	400.5	600	6.11	47.1
2.002	11	10	35.492	0.600	103.539	103.450	0.089	398.8	600	6.60	45.3
2.003	10	2	6.900	0.600	103.450	103.400	0.050	138.0	300	6.68	46.1
1.005	2	1	9.758	0.600	103.400	103.360	0.040	244.0	300	7.27	45.4

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)
1.000	0.900	63.6	0.0	1.755	1.434	0.000	0.0	0	0.000
1.001	0.923	65.3	0.0	1.434	1.113	0.000	0.0	0	0.000
1.002	0.968	68.4	0.0	1.113	1.673	0.000	0.0	0	0.000
1.003	0.950	67.2	0.0	1.673	1.376	0.000	0.0	0	0.000
2.000	1.210	342.2	16.0	0.662	1.226	0.118	0.0	87	0.630
2.001	1.210	342.2	35.9	1.226	0.814	0.281	0.0	130	0.796
2.002	1.213	343.0	49.9	0.814	0.821	0.406	0.0	153	0.875
2.003	1.336	94.5	50.7	1.121	1.376	0.406	0.0	157	1.360
1.005	1.002	70.8	50.0	1.376	1.073	0.406	0.0	186	1.083

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	29.262	301.7	300	Circular_Default Sewer Type	105.875	103.820	1.755	105.457	103.723	1.434
1.001	43.567	286.6	300	Circular_Default Sewer Type	105.457	103.723	1.434	104.984	103.571	1.113
1.002	37.608	261.2	300	Circular_Default Sewer Type	104.984	103.571	1.113	105.400	103.427	1.673
1.003	7.313	270.9	300	Circular_Default Sewer Type	105.400	103.427	1.673	105.076	103.400	1.376
2.000	29.241	400.6	600	Circular_Default Sewer Type	105.002	103.740	0.662	105.493	103.667	1.226
2.001	51.263	400.5	600	Circular_Default Sewer Type	105.493	103.667	1.226	104.953	103.539	0.814
2.002	35.492	398.8	600	Circular_Default Sewer Type	104.953	103.539	0.814	104.871	103.450	0.821
2.003	6.900	138.0	300	Circular_Default Sewer Type	104.871	103.450	1.121	105.076	103.400	1.376
1.005	9.758	244.0	300	Circular_Default Sewer Type	105.076	103.400	1.376	104.733	103.360	1.073

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.000	7	1350	Manhole	Adoptable	6	1350	Manhole	Adoptable
1.001	6	1350	Manhole	Adoptable	5	1350	Manhole	Adoptable
1.002	5	1350	Manhole	Adoptable	3	1350	Manhole	Adoptable
1.003	3	1350	Manhole	Adoptable	2	1500	Manhole	Adoptable
2.000	13	2400	Manhole	Adoptable	12	2700	Manhole	Adoptable
2.001	12	2700	Manhole	Adoptable	11	2400	Manhole	Adoptable
2.002	11	2400	Manhole	Adoptable	10	2100	Manhole	Adoptable
2.003	10	2100	Manhole	Adoptable	2	1500	Manhole	Adoptable
1.005	2	1500	Manhole	Adoptable	1	1350	Manhole	Adoptable

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
7	387913.326	404214.917	105.875	2.055	1350		0	1.000	103.820	300
6	387937.973	404199.144	105.457	1.734	1350		1	1.000	103.723	300
							0	1.001	103.723	300
5	387961.446	404235.847	104.984	1.413	1350		1	1.001	103.571	300
							0	1.002	103.571	300
3	387930.065	404256.574	105.400	1.973	1350		1	1.002	103.427	300
							0	1.003	103.427	300
13	387920.364	404168.708	105.002	1.262	2400		0	2.000	103.740	600
12	387936.167	404193.310	105.493	1.826	2700		1	2.000	103.667	600
							0	2.001	103.667	600
11	387964.092	404236.300	104.953	1.414	2400		1	2.001	103.539	600
							0	2.002	103.539	600
10	387934.441	404255.807	104.871	1.421	2100		1	2.002	103.450	600
							0	2.003	103.450	300
2	387934.064	404262.696	105.076	1.676	1500		1	2.003	103.400	300
							2	1.003	103.400	300
							0	1.005	103.400	300
1	387939.421	404270.854	104.733	1.373	1350		1	1.005	103.360	300

Simulation Settings

Rainfall Methodology	FSR	Drain Down Time (mins)	240
FSR Region	England and Wales	Additional Storage (m³/ha)	20.0
M5-60 (mm)	17.000	Check Discharge Rate(s)	✓
Ratio-R	0.300	1 year (l/s)	5.0
Summer CV	0.750	30 year (l/s)	5.0
Winter CV	0.840	100 year (l/s)	5.0
Analysis Speed	Normal	Check Discharge Volume	x
Skip Steady State	✓		

Storm Durations											
15	30	60	120	180	240	360	480	600	720	960	1440
Return Period (years)	Climate Change (CC %)		Additional Area (A %)		Additional Flow (Q %)						
1	0		0		0						
30	0		0		0						
100	40		0		0						

Pre-development Discharge Rate

Site Makeup	Greenfield	Growth Factor 30 year	1.70
Greenfield Method	IH124	Growth Factor 100 year	2.08
Positively Drained Area (ha)	0.766	Betterment (%)	0
SAAR (mm)	999	QBar	0.2
Soil Index	1	Q 1 year (l/s)	0.2
SPR	0.10	Q 30 year (l/s)	0.3
Region	10	Q 100 year (l/s)	0.4
Growth Factor 1 year	0.87		

Node 10 Online Hydro-Brake® Control

Flap Valve	x	Objective	(HE) Minimise upstream storage
Replaces Downstream Link	✓	Sump Available	✓
Invert Level (m)	103.450	Product Number	CTL-SHE-0102-4900-1200-4900
Design Depth (m)	1.200	Min Outlet Diameter (m)	0.150
Design Flow (l/s)	4.9	Min Node Diameter (mm)	1200

Node 12 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	103.667
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Time to half empty (mins)	0

Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)
0.000	180.0	0.0	0.800	180.0	0.0	0.801	0.0	0.0

Node 13 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	103.740
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Time to half empty (mins)	0

Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)
0.000	100.0	0.0	0.800	100.0	0.0	0.801	0.0	0.0

Node 11 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	103.539
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Time to half empty (mins)	0

Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)
0.000	95.0	0.0	0.400	95.0	0.0	0.401	0.0	0.0

Other (defaults)

Entry Loss (manhole)	0.250	Entry Loss (junction)	0.000	Apply Recommended Losses	✓
Exit Loss (manhole)	0.250	Exit Loss (junction)	0.000	Flood Risk (m)	0.300

Approval Results

The network has been designed for a 1 in 2 year storm using FSR rainfall
It contains 10 nodes (1 outfall) and 9 links
The total impermeable area is 0.406 ha
1 online control has been defined
3 structures have been defined, providing 249m³ of storage below the flood risk level
Infiltration has not been utilised
Simulations have been completed using FSR summer and winter storms from 15 to 1440 minute duration

No manholes are smaller than that required by the library

The node losses test has not been completed

No circular links have diameters < 150mm

No links have lengths > 100.000m

No links have lengths that differ from their coordinated length by more than 1.000m

1 link crosses one or more other links

US Node	DS Node	Link	Network	Link	Easting (m)	Northing (m)
7	6	1.000	Foul Network 1	1.001	387936.934	404199.809

No links have cover depth outside the range 0.600-3.000m

No nodes have backdrops outside the range 2.000-1.500m

No links have full bore velocity outside the range 0.900-3.000m/s

5 links have peak proportional velocity outside the range 0.750-3.000m/s during the 2 year return period

US Node	DS Node	Link	Velocity (m/s)	Event
3	2	1.003	0.029	2 year 240 minute winter
13	12	2.000	0.486	2 year 30 minute winter
12	11	2.001	0.454	2 year 30 minute winter
11	10	2.002	0.431	2 year 15 minute summer
2	1	1.005	0.578	2 year 180 minute winter

No links have a surcharged depth greater than 0.100m during the 2 year return period

No nodes flood during the 30 year return period

No infiltrating structures failed to half empty in 1440 minutes during the 2 year return period

No outfalls have a discharge rate greater than 5.0l/s during the 1 year return period

No outfalls have a discharge rate greater than 5.0l/s during the 30 year return period

No outfalls have a discharge rate greater than 5.0l/s during the 100 year return period

The discharge volume test has not been completed

Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)	Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
1 year 15 minute summer	84.280	23.848	30 year 15 minute summer	205.071	58.028
1 year 15 minute winter	59.144	23.848	30 year 15 minute winter	143.910	58.028
1 year 30 minute summer	57.102	16.158	30 year 30 minute summer	140.191	39.669
1 year 30 minute winter	40.072	16.158	30 year 30 minute winter	98.380	39.669
1 year 60 minute summer	40.398	10.676	30 year 60 minute summer	98.615	26.061
1 year 60 minute winter	26.839	10.676	30 year 60 minute winter	65.517	26.061
1 year 120 minute summer	26.432	6.985	30 year 120 minute summer	63.038	16.659
1 year 120 minute winter	17.561	6.985	30 year 120 minute winter	41.881	16.659
1 year 180 minute summer	21.115	5.434	30 year 180 minute summer	49.285	12.683
1 year 180 minute winter	13.725	5.434	30 year 180 minute winter	32.037	12.683
1 year 240 minute summer	17.197	4.545	30 year 240 minute summer	39.344	10.398
1 year 240 minute winter	11.425	4.545	30 year 240 minute winter	26.139	10.398
1 year 360 minute summer	13.694	3.524	30 year 360 minute summer	30.343	7.808
1 year 360 minute winter	8.901	3.524	30 year 360 minute winter	19.724	7.808
1 year 480 minute summer	11.066	2.925	30 year 480 minute summer	24.111	6.372
1 year 480 minute winter	7.352	2.925	30 year 480 minute winter	16.019	6.372
1 year 600 minute summer	9.254	2.531	30 year 600 minute summer	19.882	5.438
1 year 600 minute winter	6.323	2.531	30 year 600 minute winter	13.585	5.438
1 year 720 minute summer	8.394	2.250	30 year 720 minute summer	17.819	4.776
1 year 720 minute winter	5.641	2.250	30 year 720 minute winter	11.975	4.776
1 year 960 minute summer	7.097	1.869	30 year 960 minute summer	14.763	3.887
1 year 960 minute winter	4.701	1.869	30 year 960 minute winter	9.779	3.887
1 year 1440 minute summer	5.374	1.440	30 year 1440 minute summer	10.836	2.904
1 year 1440 minute winter	3.611	1.440	30 year 1440 minute winter	7.282	2.904
2 year 15 minute summer	109.066	30.862	100 year +40% CC 15 minute summer	368.854	104.373
2 year 15 minute winter	76.538	30.862	100 year +40% CC 15 minute winter	258.845	104.373
2 year 30 minute summer	73.782	20.878	100 year +40% CC 30 minute summer	255.101	72.185
2 year 30 minute winter	51.777	20.878	100 year +40% CC 30 minute winter	179.018	72.185
2 year 60 minute summer	51.720	13.668	100 year +40% CC 60 minute summer	180.954	47.821
2 year 60 minute winter	34.361	13.668	100 year +40% CC 60 minute winter	120.222	47.821
2 year 120 minute summer	33.252	8.787	100 year +40% CC 120 minute summer	116.088	30.679
2 year 120 minute winter	22.092	8.787	100 year +40% CC 120 minute winter	77.126	30.679
2 year 180 minute summer	26.258	6.757	100 year +40% CC 180 minute summer	90.626	23.321
2 year 180 minute winter	17.069	6.757	100 year +40% CC 180 minute winter	58.909	23.321
2 year 240 minute summer	21.199	5.602	100 year +40% CC 240 minute summer	72.104	19.055
2 year 240 minute winter	14.084	5.602	100 year +40% CC 240 minute winter	47.904	19.055
2 year 360 minute summer	16.686	4.294	100 year +40% CC 360 minute summer	55.175	14.198
2 year 360 minute winter	10.846	4.294	100 year +40% CC 360 minute winter	35.865	14.198
2 year 480 minute summer	13.415	3.545	100 year +40% CC 480 minute summer	43.619	11.527
2 year 480 minute winter	8.912	3.545	100 year +40% CC 480 minute winter	28.979	11.527
2 year 600 minute summer	11.170	3.055	100 year +40% CC 600 minute summer	35.816	9.797
2 year 600 minute winter	7.632	3.055	100 year +40% CC 600 minute winter	24.472	9.797
2 year 720 minute summer	10.095	2.706	100 year +40% CC 720 minute summer	31.983	8.572
2 year 720 minute winter	6.784	2.706	100 year +40% CC 720 minute winter	21.495	8.572
2 year 960 minute summer	8.482	2.233	100 year +40% CC 960 minute summer	26.337	6.935
2 year 960 minute winter	5.619	2.233	100 year +40% CC 960 minute winter	17.446	6.935
2 year 1440 minute summer	6.362	1.705	100 year +40% CC 1440 minute summer	19.151	5.133
2 year 1440 minute winter	4.276	1.705	100 year +40% CC 1440 minute winter	12.870	5.133

Results for 1 year Critical Storm Duration. Lowest mass balance: 99.68%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	7	1	103.820	0.000	0.0	0.0000	0.0000	OK
15 minute summer	6	1	103.723	0.000	0.0	0.0000	0.0000	OK
15 minute summer	5	1	103.571	0.000	0.0	0.0000	0.0000	OK
180 minute winter	3	148	103.454	0.027	0.1	0.0383	0.0000	OK
60 minute winter	13	40	103.789	0.049	7.2	4.9865	0.0000	OK
120 minute winter	12	78	103.729	0.062	10.3	11.0467	0.0000	OK
180 minute winter	11	148	103.690	0.151	10.3	14.6199	0.0000	OK
180 minute winter	10	148	103.690	0.240	5.6	0.8320	0.0000	OK
180 minute winter	2	148	103.454	0.054	4.8	0.0950	0.0000	OK
180 minute winter	1	148	103.412	0.052	4.8	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	7	1.000	6	0.0	0.000	0.000	0.0000	
15 minute summer	6	1.001	5	0.0	0.000	0.000	0.0000	
15 minute summer	5	1.002	3	0.0	0.000	0.000	0.0395	
180 minute winter	3	1.003	2	0.1	-0.029	0.001	0.0424	
60 minute winter	13	2.000	12	4.9	0.415	0.014	0.3704	
120 minute winter	12	2.001	11	7.9	0.408	0.023	1.6040	
180 minute winter	11	2.002	10	5.6	0.221	0.016	2.8577	
180 minute winter	10	Hydro-Brake®	2	4.8				
180 minute winter	2	1.005	1	4.8	0.575	0.067	0.0809	52.5

Results for 2 year Critical Storm Duration. Lowest mass balance: 99.68%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	7	1	103.820	0.000	0.0	0.0000	0.0000	OK
15 minute summer	6	1	103.723	0.000	0.0	0.0000	0.0000	OK
15 minute summer	5	1	103.571	0.000	0.0	0.0000	0.0000	OK
180 minute winter	3	140	103.454	0.027	0.1	0.0390	0.0000	OK
30 minute winter	13	23	103.799	0.059	13.2	5.9459	0.0000	OK
60 minute winter	12	44	103.741	0.074	18.1	13.1569	0.0000	OK
180 minute winter	11	136	103.736	0.196	13.4	18.9685	0.0000	OK
180 minute winter	10	136	103.736	0.285	5.8	0.9889	0.0000	OK
180 minute winter	2	132	103.454	0.054	4.9	0.0959	0.0000	OK
180 minute winter	1	132	103.412	0.052	4.9	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	7	1.000	6	0.0	0.000	0.000	0.0000	
15 minute summer	6	1.001	5	0.0	0.000	0.000	0.0000	
15 minute summer	5	1.002	3	0.0	0.000	0.000	0.0501	
180 minute winter	3	1.003	2	0.1	-0.030	0.001	0.0432	
30 minute winter	13	2.000	12	7.1	0.486	0.021	0.4453	
60 minute winter	12	2.001	11	11.5	0.449	0.033	2.0908	
180 minute winter	11	2.002	10	5.8	0.222	0.017	3.7678	
180 minute winter	10	Hydro-Brake®	2	4.9				
180 minute winter	2	1.005	1	4.9	0.578	0.069	0.0820	68.3

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.68%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	7	1	103.820	0.000	0.0	0.0000	0.0000	OK
15 minute summer	6	1	103.723	0.000	0.0	0.0000	0.0000	OK
15 minute summer	5	1	103.571	0.000	0.0	0.0000	0.0000	OK
360 minute winter	3	400	103.455	0.028	0.0	0.0395	0.0000	OK
240 minute winter	13	200	103.861	0.121	7.2	12.2847	0.0000	OK
240 minute winter	12	192	103.861	0.194	17.5	34.6360	0.0000	OK
240 minute winter	11	188	103.861	0.322	20.1	31.0804	0.0000	OK
240 minute winter	10	188	103.861	0.411	6.4	1.4237	0.0000	SURCHARGED
120 minute summer	2	154	103.455	0.055	4.9	0.0965	0.0000	OK
60 minute winter	1	87	103.412	0.052	4.9	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	7	1.000	6	0.0	0.000	0.000	0.0000	
15 minute summer	6	1.001	5	0.0	0.000	0.000	0.0000	
15 minute summer	5	1.002	3	0.0	0.000	0.000	0.0591	
360 minute winter	3	1.003	2	0.0	-0.012	-0.001	0.0436	
240 minute winter	13	2.000	12	7.0	0.362	0.020	1.7401	
240 minute winter	12	2.001	11	12.8	0.382	0.037	5.9511	
240 minute winter	11	2.002	10	6.4	0.210	0.019	6.3837	
240 minute winter	10	Hydro-Brake®	2	4.9				
120 minute summer	2	1.005	1	4.9	0.579	0.069	0.0828	91.5

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.68%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	7	1	103.820	0.000	0.0	0.0000	0.0000	OK
15 minute summer	6	1	103.723	0.000	0.0	0.0000	0.0000	OK
15 minute summer	5	1	103.571	0.000	0.0	0.0000	0.0000	OK
60 minute summer	3	249	103.455	0.028	0.3	0.0395	0.0000	OK
360 minute winter	13	352	104.180	0.439	11.7	44.5603	0.0000	OK
360 minute winter	12	352	104.180	0.513	25.0	91.5772	0.0000	OK
360 minute winter	11	344	104.184	0.645	16.8	40.2020	0.0000	SURCHARGED
360 minute winter	10	344	104.185	0.735	7.0	2.5451	0.0000	SURCHARGED
30 minute winter	2	184	103.455	0.055	4.9	0.0965	0.0000	OK
15 minute winter	1	66	103.413	0.052	4.9	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	7	1.000	6	0.0	0.000	0.000	0.0000	
15 minute summer	6	1.001	5	0.0	0.000	0.000	0.0000	
15 minute summer	5	1.002	3	0.0	0.000	0.000	0.0604	
60 minute summer	3	1.003	2	-0.3	-0.080	-0.004	0.0436	
360 minute winter	13	2.000	12	8.6	0.339	0.025	6.9856	
360 minute winter	12	2.001	11	10.6	0.360	0.031	13.7963	
360 minute winter	11	2.002	10	7.0	0.218	0.020	9.9973	
360 minute winter	10	Hydro-Brake®	2	4.9				
30 minute winter	2	1.005	1	4.9	0.579	0.069	0.0828	75.3