

Design Settings

Rainfall Methodology	FEH-22	Minimum Velocity (m/s)	0.85
Return Period (years)	1	Connection Type	Level Soffits
Additional Flow (%)	0	Minimum Backdrop Height (m)	2.000
CV	1.000	Preferred Cover Depth (m)	0.600
Time of Entry (mins)	5.00	Include Intermediate Ground	✓
Maximum Time of Concentration (mins)	30.00	Enforce best practice design rules	✓
Maximum Rainfall (mm/hr)	50.0		

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	Auto Increment (mm)	75
Barrels	1	Follow Ground	x

Available Diameters (mm)

100 | 150

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
1	0.011	5.00	9.850	1200	561695.323	178414.793	0.950
2	0.014	5.00	9.900	1200	561680.842	178415.211	1.105
3	0.015	5.00	9.725	1200	561680.058	178391.838	1.099
4	0.011	5.00	9.850	1200	561695.704	178391.349	1.337
7	0.010	5.00	9.850	1200	561713.708	178414.050	0.750
8	0.017	5.00	9.700	1200	561731.631	178413.636	0.750
9	0.000	3.00	9.850	1200	561732.144	178398.475	1.010
10	0.018	5.00	9.575	1200	561731.939	178390.195	0.937
11	0.100	5.00	9.850	1200	561713.123	178390.836	1.318
5	0.000		9.850	1200	561704.056	178389.596	1.474
12	0.015	5.00	9.700	1200	561672.317	178384.804	0.750
13	0.014	5.00	9.700	1200	561671.521	178363.492	0.904
14	0.012	5.00	9.700	1200	561694.188	178359.146	1.070
16	0.014	5.00	9.550	1200	561734.615	178379.385	0.750
17	0.018	5.00	9.425	1200	561734.064	178356.890	0.787
15	0.015	5.00	9.500	1200	561703.196	178360.852	1.086
6	0.025		9.600	1200	561703.619	178378.000	1.274
18	0.000		9.600	1200	561703.619	178370.000	1.252

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	14.487	0.600	8.900	8.795	0.105	138.0	150	5.28	34.8
1.001	2	3	23.386	0.600	8.795	8.626	0.169	138.4	150	5.74	33.9
1.002	3	4	15.654	0.600	8.626	8.513	0.113	138.5	150	6.05	33.3
1.003	4	5	8.534	0.600	8.513	8.451	0.062	137.6	150	6.21	32.9
2.000	7	8	17.928	0.600	9.100	8.950	0.150	119.5	150	5.33	34.7
2.001	8	9	15.170	0.600	8.950	8.840	0.110	137.9	150	5.62	34.1
2.002	9	10	8.283	0.600	8.840	8.640	0.200	41.4	150	5.71	34.0
2.003	10	11	18.827	0.600	8.638	8.532	0.106	177.6	225	6.03	33.3
2.004	11	5	9.151	0.600	8.532	8.376	0.156	58.7	225	6.12	33.1
1.004	5	6	11.604	0.600	8.376	8.326	0.050	232.1	225	6.44	32.4
3.000	12	13	21.327	0.600	8.950	8.796	0.154	138.5	150	5.42	34.5
3.001	13	14	23.080	0.600	8.796	8.630	0.166	139.0	150	5.87	33.6
3.002	14	15	9.168	0.600	8.630	8.414	0.216	42.4	150	5.97	33.4
4.000	16	17	22.502	0.600	8.800	8.638	0.162	138.9	150	5.44	34.5
4.001	17	15	31.121	0.600	8.638	8.414	0.224	138.9	150	6.05	33.3
3.003	15	18	9.158	0.600	8.414	8.348	0.066	138.8	150	6.23	32.9

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	0.853	15.1	1.4	0.800	0.955	0.011	0.0	31	0.533
1.001	0.852	15.1	3.1	0.955	0.949	0.025	0.0	46	0.671
1.002	0.852	15.1	4.8	0.949	1.187	0.040	0.0	58	0.759
1.003	0.854	15.1	6.1	1.187	1.249	0.051	0.0	66	0.807
2.000	0.918	16.2	1.3	0.600	0.600	0.010	0.0	28	0.547
2.001	0.854	15.1	3.3	0.600	0.860	0.027	0.0	48	0.686
2.002	1.568	27.7	3.3	0.860	0.785	0.027	0.0	35	1.058
2.003	0.978	38.9	5.4	0.712	1.093	0.045	0.0	57	0.693
2.004	1.711	68.0	17.4	1.093	1.249	0.145	0.0	77	1.432
1.004	0.854	33.9	23.0	1.249	1.049	0.196	0.0	136	0.915
3.000	0.852	15.1	1.9	0.600	0.754	0.015	0.0	35	0.579
3.001	0.850	15.0	3.5	0.754	0.920	0.029	0.0	50	0.696
3.002	1.549	27.4	5.0	0.920	0.936	0.041	0.0	43	1.178
4.000	0.851	15.0	1.7	0.600	0.637	0.014	0.0	34	0.566
4.001	0.850	15.0	3.8	0.637	0.936	0.032	0.0	52	0.714
3.003	0.851	15.0	10.5	0.936	1.102	0.088	0.0	92	0.919

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	14.487	138.0	150	Circular_Default Sewer Type	9.850	8.900	0.800	9.900	8.795	0.955
1.001	23.386	138.4	150	Circular_Default Sewer Type	9.900	8.795	0.955	9.725	8.626	0.949
1.002	15.654	138.5	150	Circular_Default Sewer Type	9.725	8.626	0.949	9.850	8.513	1.187
1.003	8.534	137.6	150	Circular_Default Sewer Type	9.850	8.513	1.187	9.850	8.451	1.249

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	4	1200	Manhole	Adoptable
1.003	4	1200	Manhole	Adoptable	5	1200	Manhole	Adoptable

Pipeline Schedule

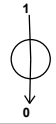
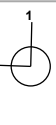
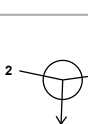
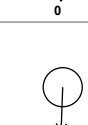
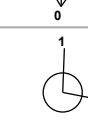
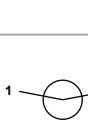
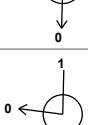
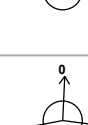
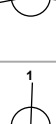
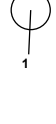
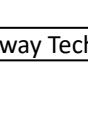
Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
2.000	17.928	119.5	150	Circular_Default Sewer Type	9.850	9.100	0.600	9.700	8.950	0.600
2.001	15.170	137.9	150	Circular_Default Sewer Type	9.700	8.950	0.600	9.850	8.840	0.860
2.002	8.283	41.4	150	Circular_Default Sewer Type	9.850	8.840	0.860	9.575	8.640	0.785
2.003	18.827	177.6	225	Circular_Default Sewer Type	9.575	8.638	0.712	9.850	8.532	1.093
2.004	9.151	58.7	225	Circular_Default Sewer Type	9.850	8.532	1.093	9.850	8.376	1.249
1.004	11.604	232.1	225	Circular_Default Sewer Type	9.850	8.376	1.249	9.600	8.326	1.049
3.000	21.327	138.5	150	Circular_Default Sewer Type	9.700	8.950	0.600	9.700	8.796	0.754
3.001	23.080	139.0	150	Circular_Default Sewer Type	9.700	8.796	0.754	9.700	8.630	0.920
3.002	9.168	42.4	150	Circular_Default Sewer Type	9.700	8.630	0.920	9.500	8.414	0.936
4.000	22.502	138.9	150	Circular_Default Sewer Type	9.550	8.800	0.600	9.425	8.638	0.637
4.001	31.121	138.9	150	Circular_Default Sewer Type	9.425	8.638	0.637	9.500	8.414	0.936
3.003	9.158	138.8	150	Circular_Default Sewer Type	9.500	8.414	0.936	9.600	8.348	1.102

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
2.000	7	1200	Manhole	Adoptable	8	1200	Manhole	Adoptable
2.001	8	1200	Manhole	Adoptable	9	1200	Manhole	Adoptable
2.002	9	1200	Manhole	Adoptable	10	1200	Manhole	Adoptable
2.003	10	1200	Manhole	Adoptable	11	1200	Manhole	Adoptable
2.004	11	1200	Manhole	Adoptable	5	1200	Manhole	Adoptable
1.004	5	1200	Manhole	Adoptable	6	1200	Manhole	Adoptable
3.000	12	1200	Manhole	Adoptable	13	1200	Manhole	Adoptable
3.001	13	1200	Manhole	Adoptable	14	1200	Manhole	Adoptable
3.002	14	1200	Manhole	Adoptable	15	1200	Manhole	Adoptable
4.000	16	1200	Manhole	Adoptable	17	1200	Manhole	Adoptable
4.001	17	1200	Manhole	Adoptable	15	1200	Manhole	Adoptable
3.003	15	1200	Manhole	Adoptable	18	1200	Manhole	Adoptable

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
1	561695.323	178414.793	9.850	0.950	1200		0	1.000	8.900	150
2	561680.842	178415.211	9.900	1.105	1200		1	1.000	8.795	150
3	561680.058	178391.838	9.725	1.099	1200		0	1.001	8.795	150
							1	1.001	8.626	150
							0	1.002	8.626	150
4	561695.704	178391.349	9.850	1.337	1200		1	1.002	8.513	150
							0	1.003	8.513	150
7	561713.708	178414.050	9.850	0.750	1200		0	2.000	9.100	150

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
8	561731.631	178413.636	9.700	0.750	1200	 1	2.000	8.950	150
9	561732.144	178398.475	9.850	1.010	1200	 1	2.001	8.950	150
						 0	2.001	8.840	150
						 0	2.002	8.840	150
10	561731.939	178390.195	9.575	0.937	1200	 1	2.002	8.640	150
						 0	2.003	8.638	225
11	561713.123	178390.836	9.850	1.318	1200	 1	2.003	8.532	225
						 0	2.004	8.532	225
5	561704.056	178389.596	9.850	1.474	1200	 1	2.004	8.376	225
						 2	1.003	8.451	150
						 0	1.004	8.376	225
12	561672.317	178384.804	9.700	0.750	1200	 0			
13	561671.521	178363.492	9.700	0.904	1200	 1	3.000	8.950	150
						 0	3.001	8.796	150
14	561694.188	178359.146	9.700	1.070	1200	 1	3.001	8.630	150
						 0	3.002	8.630	150
16	561734.615	178379.385	9.550	0.750	1200	0			
						0	4.000	8.800	150
17	561734.064	178356.890	9.425	0.787	1200	1	4.000	8.638	150
						0	4.001	8.638	150
15	561703.196	178360.852	9.500	1.086	1200	1	4.001	8.414	150
						2	3.002	8.414	150
						0	3.003	8.414	150
6	561703.619	178378.000	9.600	1.274	1200	1	1.004	8.326	225
18	561703.619	178370.000	9.600	1.252	1200	1	3.003	8.348	150

Simulation Settings

Rainfall Methodology	FEH-22	Skip Steady State	✓	Check Discharge Rate(s)	✓
Rainfall Events	Singular	Drain Down Time (mins)	240	Check Discharge Volume	✓
Summer CV	1.000	Additional Storage (m³/ha)	0.0	100 year 360 minute (m³)	
Analysis Speed	Normal	Starting Level (m)			

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	45	0	0

Pre-development Discharge Rate

Site Makeup	Greenfield	Growth Factor 30 year	1.95
Greenfield Method	IH124	Growth Factor 100 year	2.48
Positively Drained Area (ha)		Betterment (%)	0
SAAR (mm)		QBar	
Soil Index	1	Q 1 year (l/s)	
SPR	0.10	Q 30 year (l/s)	
Region	1	Q 100 year (l/s)	
Growth Factor 1 year	0.85		

Pre-development Discharge Volume

Site Makeup	Greenfield	Return Period (years)	100
Greenfield Method	FSR/FEH	Climate Change (%)	0
Positively Drained Area (ha)		Storm Duration (mins)	360
Soil Index	1	Betterment (%)	0
SPR	0.10	PR	
CWI		Runoff Volume (m³)	

Node 6 Offline Orifice Control

Flap Valve	x	Design Depth (m)	0.800	Discharge Coefficient	0.600
Loop to Node	18	Design Flow (l/s)	75.0		
Invert Level (m)	8.326	Diameter (m)	0.207		

Node 6 Soakaway Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	7.351	Depth (m)	1.200
Side Inf Coefficient (m/hr)	0.03424	Time to half empty (mins)	1598	Inf Depth (m)	
Safety Factor	2.0	Pit Width (m)	1.000	Number Required	2
Porosity	0.95	Pit Length (m)	24.000		

Node 18 Soakaway Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	7.298	Depth (m)	1.200
Side Inf Coefficient (m/hr)	0.03424	Time to half empty (mins)	1598	Inf Depth (m)	
Safety Factor	2.0	Pit Width (m)	1.000	Number Required	1
Porosity	0.95	Pit Length (m)	24.000		

Node 17 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.03960	Invert Level (m)	8.800	Slope (1:X)	500.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)	208	Depth (m)	0.400
Safety Factor	2.0	Width (m)	9.100	Inf Depth (m)	0.400
Porosity	0.30	Length (m)	43.000		

Node 8 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.03960	Invert Level (m)	9.200	Slope (1:X)	300.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)	8	Depth (m)	0.400
Safety Factor	2.0	Width (m)	6.200	Inf Depth (m)	0.400
Porosity	0.30	Length (m)	40.000		

Node 1 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.03960	Invert Level (m)	9.350	Slope (1:X)	300.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)	0	Depth (m)	0.400
Safety Factor	2.0	Width (m)	6.200	Inf Depth (m)	0.400
Porosity	0.30	Length (m)	40.000		

Other (defaults)

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

Results for 1 year Critical Storm Duration. Lowest mass balance: 99.61%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	1	10	8.929	0.029	1.3	0.0331	0.0000	OK
15 minute summer	2	11	8.839	0.044	3.0	0.0501	0.0000	OK
15 minute summer	3	11	8.684	0.058	4.6	0.0656	0.0000	OK
15 minute summer	4	11	8.582	0.069	5.8	0.0780	0.0000	OK
15 minute summer	7	10	9.127	0.027	1.2	0.0307	0.0000	OK
15 minute summer	8	11	8.999	0.049	3.2	0.0549	0.0000	OK
15 minute summer	9	11	8.874	0.034	3.1	0.0384	0.0000	OK
15 minute summer	10	11	8.693	0.055	5.1	0.0619	0.0000	OK
15 minute summer	11	10	8.613	0.081	16.8	0.0915	0.0000	OK
15 minute summer	5	11	8.518	0.142	22.4	0.1611	0.0000	OK
15 minute summer	12	10	8.985	0.035	1.8	0.0390	0.0000	OK
15 minute summer	13	11	8.846	0.050	3.5	0.0566	0.0000	OK
15 minute summer	14	11	8.672	0.042	4.8	0.0481	0.0000	OK
15 minute summer	16	10	8.833	0.033	1.7	0.0379	0.0000	OK
15 minute summer	17	11	8.688	0.050	3.7	0.0569	0.0000	OK
15 minute summer	15	11	8.510	0.096	10.2	0.1088	0.0000	OK
960 minute summer	6	675	8.335	0.009	4.2	44.8766	0.0000	OK
480 minute summer	18	416	8.076	-0.272	2.7	17.7325	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	1.3	0.379	0.083	0.0487	
15 minute summer	1	Infiltration		0.0				
15 minute summer	2	1.001	3	2.9	0.544	0.192	0.1243	
15 minute summer	3	1.002	4	4.6	0.653	0.307	0.1111	
15 minute summer	4	1.003	5	5.8	0.766	0.386	0.0665	
15 minute summer	7	2.000	8	1.2	0.333	0.071	0.0633	
15 minute summer	8	2.001	9	3.1	0.788	0.205	0.0600	
15 minute summer	8	Infiltration		0.0				
15 minute summer	9	2.002	10	3.1	0.738	0.112	0.0352	
15 minute summer	10	2.003	11	5.1	0.537	0.132	0.1887	
15 minute summer	11	2.004	5	16.7	0.870	0.245	0.1779	
15 minute summer	5	1.004	6	22.5	0.917	0.664	0.2848	
15 minute summer	12	3.000	13	1.8	0.435	0.116	0.0870	
15 minute summer	13	3.001	14	3.4	0.736	0.226	0.1066	
15 minute summer	14	3.002	15	4.8	0.611	0.175	0.0735	
15 minute summer	16	4.000	17	1.6	0.417	0.110	0.0909	
15 minute summer	17	4.001	15	3.7	0.438	0.244	0.2663	
15 minute summer	17	Infiltration		0.0				
15 minute summer	15	3.003	18	10.0	0.875	0.662	0.1043	
960 minute summer	6	Infiltration		0.5				
960 minute summer	6	Orifice	18	0.3				0.8
480 minute summer	18	Infiltration		0.2				

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.61%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	1	12	9.223	0.323	6.7	0.3654	0.0000	SURCHARGED
15 minute summer	2	12	9.215	0.420	11.2	0.4750	0.0000	SURCHARGED
15 minute summer	3	12	9.146	0.520	14.3	0.5876	0.0000	SURCHARGED
15 minute summer	4	12	9.019	0.506	18.3	0.5726	0.0000	SURCHARGED
15 minute summer	7	12	9.216	0.116	4.8	0.1309	0.0000	OK
15 minute summer	8	12	9.208	0.258	12.9	0.3106	0.0000	SURCHARGED
15 minute summer	9	11	9.140	0.300	12.3	0.3392	0.0000	SURCHARGED
15 minute summer	10	11	9.114	0.476	18.9	0.5387	0.0000	SURCHARGED
15 minute summer	11	11	9.091	0.559	61.8	0.6320	0.0000	SURCHARGED
15 minute summer	5	11	8.897	0.521	77.7	0.5894	0.0000	SURCHARGED
15 minute summer	12	12	9.050	0.100	7.2	0.1135	0.0000	OK
15 minute summer	13	12	9.028	0.232	13.8	0.2619	0.0000	SURCHARGED
15 minute summer	14	11	8.914	0.284	18.0	0.3207	0.0000	SURCHARGED
720 minute summer	16	435	8.881	0.081	0.8	0.0922	0.0000	OK
720 minute summer	17	435	8.881	0.243	3.7	4.8038	0.0000	SURCHARGED
720 minute summer	15	435	8.883	0.469	5.1	0.5305	0.0000	SURCHARGED
120 minute summer	6	72	8.546	0.220	47.9	54.7264	0.0000	OK
720 minute summer	18	435	8.883	0.535	5.0	27.9771	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	4.8	0.526	0.317	0.2550	
15 minute summer	1	Infiltration		0.0				
15 minute summer	2	1.001	3	9.7	0.710	0.647	0.4117	
15 minute summer	3	1.002	4	14.8	0.843	0.986	0.2756	
15 minute summer	4	1.003	5	19.4	1.101	1.283	0.1502	
15 minute summer	7	2.000	8	5.8	0.472	0.359	0.2886	
15 minute summer	8	2.001	9	12.3	1.042	0.816	0.2671	
15 minute summer	8	Infiltration		0.1				
15 minute summer	9	2.002	10	15.2	0.964	0.547	0.1458	
15 minute summer	10	2.003	11	22.8	0.573	0.586	0.7488	
15 minute summer	11	2.004	5	61.3	1.541	0.901	0.3639	
15 minute summer	5	1.004	6	77.1	1.938	2.270	0.4566	
15 minute summer	12	3.000	13	7.1	0.621	0.473	0.3212	
15 minute summer	13	3.001	14	12.5	0.912	0.830	0.4063	
15 minute summer	14	3.002	15	16.6	0.942	0.606	0.1614	
720 minute summer	16	4.000	17	0.8	0.332	0.053	0.3080	
720 minute summer	17	4.001	15	-2.2	0.359	-0.148	0.5479	
720 minute summer	17	Infiltration		2.0				
720 minute summer	15	3.003	18	5.0	0.732	0.334	0.1612	
120 minute summer	6	Infiltration		0.6				
120 minute summer	6	Orifice	18	30.5				48.5
720 minute summer	18	Infiltration		0.3				

Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 99.61%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	1	22	9.468	0.568	17.4	4.5532	0.0000	SURCHARGED
15 minute summer	2	11	9.499	0.704	13.8	0.7967	0.0000	SURCHARGED
15 minute summer	3	11	9.498	0.872	19.9	0.9857	0.0000	FLOOD RISK
60 minute summer	4	34	9.477	0.964	22.4	1.0899	0.0000	SURCHARGED
30 minute summer	7	22	9.398	0.298	8.1	0.3368	0.0000	SURCHARGED
30 minute summer	8	22	9.393	0.443	34.4	9.9014	0.0000	SURCHARGED
15 minute summer	9	11	9.480	0.640	22.0	0.7237	0.0000	SURCHARGED
15 minute summer	10	11	9.569	0.931	23.3	1.0535	0.0000	FLOOD RISK
15 minute summer	11	11	9.568	1.036	87.7	1.1713	0.0000	FLOOD RISK
60 minute summer	5	34	9.426	1.050	90.1	1.1874	0.0000	SURCHARGED
15 minute summer	12	12	9.700	0.750	13.2	0.8483	0.0203	FLOOD
15 minute summer	13	12	9.617	0.821	21.9	0.9289	0.0000	FLOOD RISK
120 minute summer	14	68	9.307	0.677	14.5	0.7658	0.0000	SURCHARGED
480 minute summer	16	336	9.115	0.315	2.0	0.3568	0.0000	SURCHARGED
480 minute summer	17	336	9.115	0.477	11.8	32.5115	0.0000	SURCHARGED
120 minute summer	15	68	9.244	0.830	26.3	0.9389	0.0000	FLOOD RISK
60 minute summer	6	34	9.178	0.852	103.7	55.7075	0.0000	OK
120 minute summer	18	68	9.244	0.896	25.7	28.3856	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)
30 minute summer	1	1.000	2	11.5	0.653	0.762	0.2550	
30 minute summer	1	Infiltration		1.2				
15 minute summer	2	1.001	3	14.6	0.831	0.971	0.4117	
15 minute summer	3	1.002	4	17.6	0.998	1.167	0.2756	
60 minute summer	4	1.003	5	21.1	1.199	1.397	0.1502	
30 minute summer	7	2.000	8	7.5	0.463	0.464	0.3156	
30 minute summer	8	2.001	9	20.4	1.161	1.355	0.2671	
30 minute summer	8	Infiltration		1.4				
15 minute summer	9	2.002	10	23.3	1.387	0.843	0.1458	
15 minute summer	10	2.003	11	24.9	0.780	0.639	0.7488	
15 minute summer	11	2.004	5	83.5	2.100	1.228	0.3639	
60 minute summer	5	1.004	6	88.3	2.220	2.601	0.4615	
15 minute summer	12	3.000	13	10.2	0.610	0.680	0.3755	
15 minute summer	13	3.001	14	20.1	1.141	1.338	0.4063	
120 minute summer	14	3.002	15	12.9	0.735	0.473	0.1614	
480 minute summer	16	4.000	17	1.9	0.368	0.127	0.3961	
480 minute summer	17	4.001	15	-7.3	-0.414	-0.485	0.5479	
480 minute summer	17	Infiltration		2.2				
120 minute summer	15	3.003	18	25.7	1.459	1.708	0.1612	
60 minute summer	6	Infiltration		0.6				
60 minute summer	6	Orifice	18	77.4				94.3
120 minute summer	18	Infiltration		0.3				