

Design Settings

Frequency of use (kDU)	0.50	Minimum Velocity (m/s)	1.00
Flow per dwelling per day (l/day)	4000	Connection Type	Level Soffits
Domestic Flow (l/s/ha)	0.6	Minimum Backdrop Height (m)	0.200
Industrial Flow (l/s/ha)	0.8	Preferred Cover Depth (m)	0.900
Additional Flow (%)	0	Include Intermediate Ground	✓

Nodes

Name	Dwellings	Cover Level (m)	Diameter (mm)	Width (mm)	Easting (m)	Northing (m)	Depth (m)
FIC01	1	120.400	675		539306.648	138087.413	1.150
FIC02	7	120.190	675		539313.523	138090.396	1.034
FIC03	9	120.210	675		539317.170	138093.393	1.114
FIC04	3	120.240	675		539320.987	138097.679	1.216
FIC05	4	120.260	675		539324.258	138101.002	1.000
FIC06		119.700	675		539320.613	138102.168	1.000
Ex.F(F)		119.300	900	675	539319.888	138110.871	0.840

Links (Input)

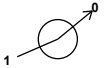
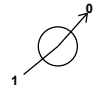
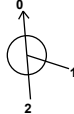
Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)
10.000	FIC01	FIC02	7.494	1.500	119.250	119.156	0.094	79.7	100
10.001	FIC02	FIC03	4.720	1.500	119.156	119.096	0.060	78.7	100
10.002	FIC03	FIC04	5.739	1.500	119.096	119.024	0.072	79.7	100
10.003	FIC04	FIC06	4.505	1.500	119.024	118.700	0.324	13.9	100
10.004	FIC06	Ex.F(F)	8.733	1.500	118.700	118.460	0.240	36.4	100
11.000	FIC05	FIC06	3.827	1.500	119.260	118.700	0.560	6.8	100

Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
10.000	7.494	79.7	100	Circular	120.400	119.250	1.050	120.190	119.156	0.934
10.001	4.720	78.7	100	Circular	120.190	119.156	0.934	120.210	119.096	1.014
10.002	5.739	79.7	100	Circular	120.210	119.096	1.014	120.240	119.024	1.116
10.003	4.505	13.9	100	Circular	120.240	119.024	1.116	119.700	118.700	0.900
10.004	8.733	36.4	100	Circular	119.700	118.700	0.900	119.300	118.460	0.740
11.000	3.827	6.8	100	Circular	120.260	119.260	0.900	119.700	118.700	0.900

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Width (mm)	Node Type	MH Type
10.000	FIC01	675	Manhole	Adoptable	FIC02	675		Manhole	Adoptable
10.001	FIC02	675	Manhole	Adoptable	FIC03	675		Manhole	Adoptable
10.002	FIC03	675	Manhole	Adoptable	FIC04	675		Manhole	Adoptable
10.003	FIC04	675	Manhole	Adoptable	FIC06	675		Manhole	Adoptable
10.004	FIC06	675	Manhole	Adoptable	Ex.F(F)	900	675	Manhole	Adoptable
11.000	FIC05	675	Manhole	Adoptable	FIC06	675		Manhole	Adoptable

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Width (mm)	Connections	Link	IL (m)	Dia (mm)
FIC01	539306.648	138087.413	120.400	1.150	675					
							0	10.000	119.250	100
FIC02	539313.523	138090.396	120.190	1.034	675					
							1	10.000	119.156	100
							0	10.001	119.156	100
FIC03	539317.170	138093.393	120.210	1.114	675					
							1	10.001	119.096	100
							0	10.002	119.096	100
FIC04	539320.987	138097.679	120.240	1.216	675					
							1	10.002	119.024	100
							0	10.003	119.024	100
FIC05	539324.258	138101.002	120.260	1.000	675					
							0	11.000	119.260	100
FIC06	539320.613	138102.168	119.700	1.000	675					
							1	11.000	118.700	100
							2	10.003	118.700	100
							0	10.004	118.700	100
Ex.F(F)	539319.888	138110.871	119.300	0.840	900	675				
							1	10.004	118.460	100

Simulation Settings

Analysis Speed	Detailed	Drain Down Time (mins)	240
Skip Steady State	x	Foul Event Duration (mins)	15

Storm Durations

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

Results for Foul Event Critical Storm Duration. Lowest mass balance: 53.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
Foul Event	FIC01	1	119.250	0.000	0.0	0.0000	0.0000	OK
Foul Event	FIC02	11	119.171	0.015	0.3	0.0055	0.0000	OK
Foul Event	FIC03	12	119.121	0.025	0.7	0.0090	0.0000	OK
Foul Event	FIC04	12	119.040	0.016	0.8	0.0058	0.0000	OK
Foul Event	FIC05	2	119.267	0.007	0.2	0.0026	0.0000	OK
Foul Event	FIC06	194	118.930	0.230	1.0	0.0823	0.0000	SURCHARGED
Foul Event	Ex.F(F)	168	118.930	0.470	1.0	0.2857	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)
Foul Event	FIC01	10.000	FIC02	0.0	0.000	0.000	0.0029	
Foul Event	FIC02	10.001	FIC03	0.3	0.266	0.051	0.0054	
Foul Event	FIC03	10.002	FIC04	0.7	0.602	0.120	0.0068	
Foul Event	FIC04	10.003	FIC06	0.8	0.738	0.057	0.0195	
Foul Event	FIC05	11.000	FIC06	0.2	0.914	0.010	0.0154	
Foul Event	FIC06	10.004	Ex.F(F)	1.0	0.755	0.115	0.0683	0.0