

Design Settings

Frequency of use (kDU)	0.60	Minimum Velocity (m/s)	0.75
Flow per dwelling per day (l/day)	4000	Connection Type	Level Soffits
Domestic Flow (l/s/ha)	0.0	Minimum Backdrop Height (m)	0.750
Industrial Flow (l/s/ha)	0.0	Preferred Cover Depth (m)	1.200
Additional Flow (%)	0	Include Intermediate Ground	✓

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
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Nodes

Name	Dwellings	Cover Level (m)	Manhole Type	Easting (m)	Northing (m)	Depth (m)
5	4	106.020	Adoptable	387914.122	404212.650	1.620
6	7	105.742	Adoptable	387921.729	404175.724	1.132
7	0	105.483	Adoptable	387934.266	404195.521	1.033
4	5	105.445	Adoptable	387935.998	404198.343	1.232
3	6	104.966	Adoptable	387959.736	404235.506	1.068
8	5	105.227	Adoptable	387944.515	404245.627	1.451
2	2	105.435	Adoptable	387927.639	404256.771	1.812
1		105.021	Adoptable	387933.258	404265.253	1.521



Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)
1.000	5	4	26.139	0.600	104.400	104.213	0.187	139.8	150
2.000	6	7	23.433	0.600	104.610	104.450	0.160	146.5	150
2.001	7	4	3.311	0.600	104.450	104.213	0.237	14.0	150
1.001	4	3	44.097	0.600	104.213	103.898	0.315	140.0	150
1.002	3	8	18.278	0.600	103.898	103.776	0.122	149.8	150
1.003_1	8	2	20.223	0.600	103.776	103.623	0.153	132.2	150
1.003	2	1	10.174	0.600	103.623	103.500	0.123	82.7	150

Name	Pro Vel @ 1/3 Q (m/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Dwellings (ha)	Σ Units (ha)	Σ Add Inflow (ha)	Pro Depth (mm)	Pro Velocity (m/s)
1.000	0.203	0.848	15.0	0.2	1.470	1.082	0.000	4	0.0	0.0	12	0.288
2.000	0.231	0.828	14.6	0.3	0.982	0.883	0.000	7	0.0	0.0	16	0.334
2.001	0.546	2.709	47.9	0.3	0.883	1.082	0.000	7	0.0	0.0	9	0.773
1.001	0.316	0.847	15.0	0.7	1.082	0.918	0.000	16	0.0	0.0	23	0.436
1.002	0.339	0.819	14.5	1.0	0.918	1.301	0.000	22	0.0	0.0	27	0.474
1.003_1	0.378	0.872	15.4	1.3	1.301	1.662	0.000	27	0.0	0.0	29	0.526
1.003	0.448	1.106	19.5	1.3	1.662	1.371	0.000	29	0.0	0.0	27	0.634

Pipeline Schedule

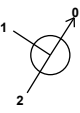
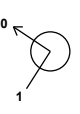
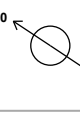
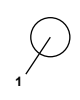
Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
1.000	26.139	139.8	150	Circular_Default Sewer Type	106.020	104.400	1.470	105.445	104.213	1.082
2.000	23.433	146.5	150	Circular_Default Sewer Type	105.742	104.610	0.982	105.483	104.450	0.883
2.001	3.311	14.0	150	Circular_Default Sewer Type	105.483	104.450	0.883	105.445	104.213	1.082
1.001	44.097	140.0	150	Circular_Default Sewer Type	105.445	104.213	1.082	104.966	103.898	0.918
1.002	18.278	149.8	150	Circular_Default Sewer Type	104.966	103.898	0.918	105.227	103.776	1.301
1.003_1	20.223	132.2	150	Circular_Default Sewer Type	105.227	103.776	1.301	105.435	103.623	1.662
1.003	10.174	82.7	150	Circular_Default Sewer Type	105.435	103.623	1.662	105.021	103.500	1.371

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.000	5	1200	Manhole	Adoptable	4	1500	Manhole	Adoptable
2.000	6	1200	Manhole	Adoptable	7	1200	Manhole	Adoptable
2.001	7	1200	Manhole	Adoptable	4	1500	Manhole	Adoptable
1.001	4	1500	Manhole	Adoptable	3	1200	Manhole	Adoptable
1.002	3	1200	Manhole	Adoptable	8	1200	Manhole	Adoptable
1.003_1	8	1200	Manhole	Adoptable	2	1200	Manhole	Adoptable
1.003	2	1200	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)
5	387914.122	404212.650	106.020	1.620	1200		0 1.000	104.400	150
6	387921.729	404175.724	105.742	1.132	1200		0 2.000	104.610	150

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
7	387934.266	404195.521	105.483	1.033	1200		1	2.000	104.450	150
4	387935.998	404198.343	105.445	1.232	1500		0	2.001	104.450	150
							1	1.000	104.213	150
							2	2.001	104.213	150
3	387959.736	404235.506	104.966	1.068	1200		0	1.001	104.213	150
							1	1.001	103.898	150
8	387944.515	404245.627	105.227	1.451	1200		0	1.002	103.898	150
							1	1.002	103.776	150
2	387927.639	404256.771	105.435	1.812	1200		0	1.003_1	103.776	150
							1	1.003_1	103.623	150
1	387933.258	404265.253	105.021	1.521	1350		0	1.003	103.623	150
							1	1.003	103.500	150

Simulation Settings

Analysis Speed	Normal	Drain Down Time (mins)	240
Skip Steady State	✓	Foul Event Duration (mins)	1440

Storm Durations

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