Design Settings

Frequency of use (kDU)	0.50	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)	0.200
Industrial Flow (l/s/ha)	0.0	Preferred Cover Depth (m)	1.200
Additional Flow (%)	0	Include Intermediate Ground	✓

Nodes

Name	Cover Level (m)	Manhole Type	Easting (m)	Northing (m)	Depth (m)
1	85.900	Adoptable	553448.211	226017.530	1.700
2	84.800	Adoptable	553432.950	225997.791	1.500
3	83.900	Adoptable	553433.242	225974.439	1.500
4	84.430	Adoptable	553416.844	225972.958	2.230
5	84.900	Adoptable	553393.759	225969.684	2.950
6	84.150	Adoptable	553373.301	225961.442	2.650
7	82.452	Adoptable	553343.096	225941.002	2.552
8	81.750	Adoptable	553341.409	225928.923	2.538
9	80.829	Adoptable	553354.819	225913.534	2.900
10	79.650	Adoptable	553369.098	225890.106	2.450
11	78.422	Adoptable	553371.437	225883.341	1.432
12	78.510	Adoptable	553348.760	225871.775	1.930

Links (Results)

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	0.000	1.668	29.5	0.0	1.550	1.350	0.000	0	0.0	0.0	0	0.000
1.001	0.000	1.724	30.5	0.0	1.350	1.350	0.000	0	0.0	0.0	0	0.000
1.002	0.000	0.966	17.1	0.0	1.350	2.080	0.000	0	0.0	0.0	0	0.000
1.003	0.000	0.907	16.0	0.0	2.080	2.800	0.000	0	0.0	0.0	0	0.000
1.004	0.000	1.253	22.1	0.0	2.800	2.500	0.000	0	0.0	0.0	0	0.000
1.005	0.000	1.840	32.5	0.0	2.500	2.402	0.000	0	0.0	0.0	0	0.000
1.006	0.000	2.087	36.9	0.0	2.402	2.388	0.000	0	0.0	0.0	0	0.000
1.007	0.000	2.203	38.9	0.0	2.388	2.750	0.000	0	0.0	0.0	0	0.000
1.008	0.000	1.329	23.5	0.0	2.750	2.200	0.000	0	0.0	0.0	0	0.000
1.009	0.000	0.801	14.2	0.0	2.300	1.132	0.000	0	0.0	0.0	0	0.000
1.010	0.000	1.761	124.5	0.0	1.132	1.630	0.000	0	0.0	0.0	0	0.000

Simulation Settings

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

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	1.95
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 (m^3)	

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Results for Foul Event Critical Storm Duration. Lowest mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
Foul Event	1	1	84.200	0.000	0.0	0.0000	0.0000	OK
Foul Event	2	1	83.300	0.000	0.0	0.0000	0.0000	OK
Foul Event	3	1	82.400	0.000	0.0	0.0000	0.0000	OK
Foul Event	4	1	82.200	0.000	0.0	0.0000	0.0000	OK
Foul Event	5	1	81.950	0.000	0.0	0.0000	0.0000	OK
Foul Event	6	1	81.500	0.000	0.0	0.0000	0.0000	OK
Foul Event	7	1	79.900	0.000	0.0	0.0000	0.0000	OK
Foul Event	8	1	79.212	0.000	0.0	0.0000	0.0000	OK
Foul Event	9	1	77.929	0.000	0.0	0.0000	0.0000	OK
Foul Event	10	1	77.200	0.000	0.0	0.0000	0.0000	OK
Foul Event	11	1	76.990	0.000	0.0	0.0000	0.0000	OK
Foul Event	12	1	76.580	0.000	0.0	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)
Foul Event	1	1.000	2	0.0	0.000	0.000	0.0000	
Foul Event	2	1.001	3	0.0	0.000	0.000	0.0000	
Foul Event	3	1.002	4	0.0	0.000	0.000	0.0000	
Foul Event	4	1.003	5	0.0	0.000	0.000	0.0000	
Foul Event	5	1.004	6	0.0	0.000	0.000	0.0000	
Foul Event	6	1.005	7	0.0	0.000	0.000	0.0000	
Foul Event	7	1.006	8	0.0	0.000	0.000	0.0000	
Foul Event	8	1.007	9	0.0	0.000	0.000	0.0000	
Foul Event	9	1.008	10	0.0	0.000	0.000	0.0000	
Foul Event	10	1.009	11	0.0	0.000	0.000	0.0000	
Foul Event	11	1.010	12	0.0	0.000	0.000	0.0000	0.0

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