Design Settings

Frequency of use (kDU)	0.50	Industrial Flow (l/s/ha)	0.0	Connection Type	Level Soffits	Include Intermediate Ground	✓
Flow per dwelling per day (l/day)	4000	Additional Flow (%)	0	Minimum Backdrop Height (m)	1.000		
Domestic Flow (l/s/ha)	0.0	Minimum Velocity (m/s)	0.75	Preferred Cover Depth (m)	0.750		

Nodes

Name	Dwellings	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
1		48.500	450	461.746	1707.964	0.850
2		48.200	450	448.790	1708.364	0.850
3		48.200	450	460.116	1712.362	1.151
4	0	48.200	450	456.983	1720.817	1.280
5		48.451	450	451.201	1719.545	1.643

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	1	3	4.690	1.500	47.650	47.049	0.601	7.8	100
2.000	2	3	12.011	1.500	47.350	47.050	0.300	40.0	100
1.001	3	4	9.017	1.500	47.049	46.920	0.129	70.0	100
1.002	4	5	5.920	1.500	46.920	46.808	0.112	52.9	100

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	2.393	18.8	0.0	0.750	1.051	0.000	0	0.0	0.0	0	0.000
2.000	0.000	1.054	8.3	0.0	0.750	1.050	0.000	0	0.0	0.0	0	0.000
1.001	0.000	0.796	6.2	0.0	1.051	1.180	0.000	0	0.0	0.0	0	0.000
1.002	0.000	0.916	7.2	0.0	1.180	1.543	0.000	0	0.0	0.0	0	0.000

Flow v12.0 Copyright © 1988-2026 Causeway Technologies Ltd

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	4.690	7.8	100	Circular_Default Sewer Type	48.500	47.650	0.750	48.200	47.049	1.051
2.000	12.011	40.0	100	Circular_Default Sewer Type	48.200	47.350	0.750	48.200	47.050	1.050
1.001	9.017	70.0	100	Circular_Default Sewer Type	48.200	47.049	1.051	48.200	46.920	1.180
1.002	5.920	52.9	100	Circular_Default Sewer Type	48.200	46.920	1.180	48.451	46.808	1.543

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.000	1	450	Manhole	Adoptable	3	450	Manhole	Adoptable
2.000	2	450	Manhole	Adoptable	3	450	Manhole	Adoptable
1.001	3	450	Manhole	Adoptable	4	450	Manhole	Adoptable
1.002	4	450	Manhole	Adoptable	5	450	Manhole	Adoptable

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
1	461.746	1707.964	48.500	0.850	450				
						0	1.000	47.650	100
2	448.790	1708.364	48.200	0.850	450				
						0	2.000	47.350	100
3	460.116	1712.362	48.200	1.151	450		1	2.000	47.050	100
							2	1.000	47.049	100
						0	1.001	47.049	100
4	456.983	1720.817	48.200	1.280	450		1	1.001	46.920	100
						0	1.002	46.920	100
5	451.201	1719.545	48.451	1.643	450		1	1.002	46.808	100

Flow v12.0 Copyright © 1988-2026 Causeway Technologies Ltd