

Design Settings

Frequency of use (kDU)	2.00	Additional Flow (%)	0	Preferred Cover Depth (m)	1.200
Flow per dwelling per day (l/day)	4000	Minimum Velocity (m/s)	1.00	Include Intermediate Ground	✓
Domestic Flow (l/s/ha)	0.0	Connection Type	Level Soffits		
Industrial Flow (l/s/ha)	0.0	Minimum Backdrop Height (m)	0.200		

Nodes

Name	Dwellings	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)	Invert Level (m)
1	9	7.630	1200	498881.565	103848.006	1.355	6.275
2	0	7.610	1200	498843.910	103855.353	1.620	5.990
3	6	7.655	1200	498834.456	103854.621	1.735	5.920
4	0	7.760	1200	498824.975	103848.887	1.925	5.835
5	4	7.840	1200	498817.201	103833.493	2.120	5.720
20	10	8.100	1200	498847.431	103795.895	1.960	6.140
21	0	7.760	1200	498822.304	103800.162	1.810	5.950
6	2	7.610	1200	498812.803	103800.685	2.150	5.460
7	0	7.820	1200	498810.176	103764.732	2.620	5.200
8	4	8.000	1200	498815.717	103755.385	2.880	5.120
9	0	8.185	1200	498825.369	103746.182	3.165	5.020
22	14	7.880	1200	498867.480	103727.186	1.930	5.950
23	0	8.310	1200	498845.265	103732.618	2.700	5.610
10	0	8.400	1200	498830.605	103731.842	3.495	4.905
11	0	8.360	1200	498814.984	103724.964	3.585	4.775
12	0	7.920	1200	498799.220	103691.193	3.400	4.520
24	10	7.820	1200	498826.621	103666.063	2.420	5.400
13	6	7.670	1200	498795.264	103670.446	3.315	4.355
14	0	7.445	1200	498791.232	103649.232	3.245	4.200
15	6	7.510	1200	498791.228	103630.262	3.470	4.040
16	0	7.550	1200	498787.266	103613.649	3.640	3.910
17	0	7.460	1200	498790.269	103605.669	3.615	3.845
25	8	7.185	1200	498819.260	103597.256	1.685	5.500
18	0	7.360	1200	498798.715	103597.613	3.605	3.755
37	8	8.520	1200	498896.257	103489.348	1.550	6.970

Nodes

Name	Dwellings	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)	Invert Level (m)
38	0	8.170	1200	498866.145	103482.216	1.640	6.530
39	0	8.145	1200	498839.569	103475.293	1.800	6.345
40	10	7.705	1200	498813.674	103473.096	1.535	6.170
26	16	8.170	1200	498815.840	103415.510	1.365	6.805
27	0	8.305	1200	498807.709	103422.717	1.585	6.720
28	0	8.355	1200	498800.860	103433.450	1.740	6.615
29	0	7.890	1200	498793.229	103462.779	1.500	6.390
30	3	7.680	1200	498801.954	103472.925	1.590	6.090
31	1	7.380	1200	498792.322	103491.004	1.445	5.935
32	0	7.320	1200	498788.576	103503.663	1.485	5.835
33	2	7.375	1200	498788.214	103513.887	1.615	5.760
41	18	7.835	1200	498820.902	103534.517	2.035	5.800
42	1	7.630	1200	498794.983	103530.403	2.020	5.610
34	0	7.565	1200	498788.916	103534.861	2.010	5.555
35	2	7.555	1200	498788.282	103550.580	2.115	5.440
36	0	7.270	1200	498792.912	103577.256	2.030	5.240
19	8	7.275	1200	498796.474	103590.357	3.580	3.695
FWPS		7.665	1200	498792.092	103591.563	4.060	3.605

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	2	38.365	1.500	6.275	5.990	0.285	134.6	150
1.001	2	3	9.482	1.500	5.990	5.920	0.070	135.5	150
1.002	3	4	11.080	1.500	5.920	5.835	0.085	130.4	150
1.003	4	5	17.246	1.500	5.835	5.720	0.115	150.0	150
1.004	5	6	33.101	1.500	5.720	5.460	0.260	127.3	150
2.000	20	21	25.487	1.500	6.140	5.950	0.190	134.1	150
2.001	21	6	9.515	1.500	5.950	5.880	0.070	135.9	150
1.005	6	7	36.049	1.500	5.460	5.200	0.260	138.6	150
1.006	7	8	10.866	1.500	5.200	5.120	0.080	135.8	150
1.007	8	9	13.336	1.500	5.120	5.020	0.100	133.4	150
1.008	9	10	15.266	1.500	5.020	4.905	0.115	132.7	150
3.000	22	23	22.869	1.500	5.950	5.660	0.290	78.9	150
3.001	23	10	14.681	1.500	5.610	5.500	0.110	133.5	150
1.009	10	11	17.068	1.500	4.905	4.775	0.130	131.3	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	0.238	0.754	13.3	0.4	1.205	1.470	0.000		9	0.0	0.0	0.333
1.001	0.237	0.752	13.3	0.4	1.470	1.585	0.000		9	0.0	0.0	0.332
1.002	0.277	0.766	13.5	0.7	1.585	1.775	0.000		15	0.0	0.0	0.394
1.003	0.265	0.714	12.6	0.7	1.775	1.970	0.000		15	0.0	0.0	0.379
1.004	0.304	0.776	13.7	0.9	1.970	2.000	0.000		19	0.0	0.0	0.430
2.000	0.239	0.755	13.3	0.5	1.810	1.660	0.000		10	0.0	0.0	0.348
2.001	0.237	0.750	13.3	0.5	1.660	1.580	0.000		10	0.0	0.0	0.345
1.005	0.342	0.743	13.1	1.4	2.000	2.470	0.000		31	0.0	0.0	0.484
1.006	0.346	0.751	13.3	1.4	2.470	2.730	0.000		31	0.0	0.0	0.489
1.007	0.363	0.758	13.4	1.6	2.730	3.015	0.000		35	0.0	0.0	0.509
1.008	0.363	0.759	13.4	1.6	3.015	3.345	0.000		35	0.0	0.0	0.510
3.000	0.324	0.987	17.4	0.6	1.780	2.500	0.000		14	0.0	0.0	0.464
3.001	0.273	0.757	13.4	0.6	2.550	2.750	0.000		14	0.0	0.0	0.382
1.009	0.405	0.764	13.5	2.3	3.345	3.435	0.000		49	0.0	0.0	0.566

Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)
1.010	11	12	37.269	1.500	4.775	4.520	0.255	146.2	150
1.011	12	13	21.121	1.500	4.520	4.355	0.165	128.0	150
4.000	24	13	31.662	1.500	5.400	5.165	0.235	134.7	150
1.012	13	14	21.594	1.500	4.355	4.200	0.155	139.3	150
1.013	14	15	18.970	1.500	4.200	4.040	0.160	118.6	150
1.014	15	16	17.079	1.500	4.040	3.910	0.130	131.4	150
1.015	16	17	8.526	1.500	3.910	3.845	0.065	131.2	150
1.016	17	18	11.672	1.500	3.845	3.755	0.090	129.7	150
5.000	25	18	20.548	1.500	5.500	5.340	0.160	128.4	150
1.017	18	19	7.594	1.500	3.755	3.695	0.060	126.6	150
6.000	37	38	30.945	1.500	6.970	6.580	0.390	79.3	100
6.001	38	39	27.463	1.500	6.530	6.345	0.185	148.4	150
6.002	39	40	25.988	1.500	6.345	6.170	0.175	148.5	150
6.003	40	30	11.721	1.500	6.170	6.090	0.080	146.5	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)
1.010	0.390	0.723	12.8	2.3	3.435	3.250	0.000	49	0.0	0.0	43	0.545
1.011	0.410	0.773	13.7	2.3	3.250	3.165	0.000	49	0.0	0.0	41	0.569
4.000	0.238	0.754	13.3	0.5	2.270	2.355	0.000	10	0.0	0.0	20	0.347
1.012	0.434	0.741	13.1	3.0	3.165	3.095	0.000	65	0.0	0.0	49	0.600
1.013	0.459	0.804	14.2	3.0	3.095	3.320	0.000	65	0.0	0.0	47	0.637
1.014	0.453	0.763	13.5	3.3	3.320	3.490	0.000	71	0.0	0.0	51	0.630
1.015	0.453	0.764	13.5	3.3	3.490	3.465	0.000	71	0.0	0.0	51	0.630
1.016	0.456	0.768	13.6	3.3	3.465	3.455	0.000	71	0.0	0.0	50	0.630
5.000	0.226	0.772	13.6	0.4	1.535	1.870	0.000	8	0.0	0.0	17	0.326
1.017	0.473	0.778	13.7	3.7	3.455	3.430	0.000	79	0.0	0.0	53	0.657
6.000	0.290	0.747	5.9	0.4	1.450	1.490	0.000	8	0.0	0.0	18	0.412
6.001	0.218	0.718	12.7	0.4	1.490	1.650	0.000	8	0.0	0.0	18	0.310
6.002	0.218	0.718	12.7	0.4	1.650	1.385	0.000	8	0.0	0.0	18	0.310
6.003	0.283	0.723	12.8	0.8	1.385	1.440	0.000	18	0.0	0.0	26	0.401

Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)
7.000	26	27	10.865	1.500	6.805	6.720	0.085	127.8	150
7.001	27	28	12.732	1.500	6.720	6.615	0.105	121.3	150
7.002	28	29	30.305	1.500	6.615	6.390	0.225	134.7	150
7.003	29	30	13.382	1.500	6.390	6.090	0.300	44.6	150
6.004	30	31	20.485	1.500	6.090	5.935	0.155	132.2	150
6.005	31	32	13.202	1.500	5.935	5.835	0.100	132.0	150
6.006	32	33	10.230	1.500	5.835	5.760	0.075	136.4	150
6.007	33	34	20.986	1.500	5.760	5.555	0.205	102.4	150
8.000	41	42	26.243	1.500	5.800	5.610	0.190	138.1	150
8.001	42	34	7.529	1.500	5.610	5.555	0.055	136.9	150
6.008	34	35	15.732	1.500	5.555	5.440	0.115	136.8	150
6.009	35	36	27.075	1.500	5.440	5.240	0.200	135.4	150
6.010	36	19	13.577	1.500	5.240	5.140	0.100	135.8	150
1.018	19	FWPS	4.545	1.500	3.695	3.605	0.090	50.5	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)
7.000	0.288	0.774	13.7	0.7	1.215	1.435	0.000	16	0.0	0.0	24	0.404
7.001	0.295	0.795	14.0	0.7	1.435	1.590	0.000	16	0.0	0.0	24	0.415
7.002	0.280	0.754	13.3	0.7	1.590	1.350	0.000	16	0.0	0.0	24	0.400
7.003	0.418	1.314	23.2	0.7	1.350	1.440	0.000	16	0.0	0.0	18	0.582
6.004	0.371	0.761	13.4	1.7	1.440	1.295	0.000	37	0.0	0.0	36	0.516
6.005	0.371	0.761	13.5	1.8	1.295	1.335	0.000	38	0.0	0.0	37	0.522
6.006	0.372	0.749	13.2	1.8	1.335	1.465	0.000	38	0.0	0.0	37	0.518
6.007	0.415	0.865	15.3	1.9	1.465	1.860	0.000	40	0.0	0.0	35	0.582
8.000	0.292	0.744	13.2	0.8	1.885	1.870	0.000	18	0.0	0.0	26	0.413
8.001	0.293	0.748	13.2	0.9	1.870	1.860	0.000	19	0.0	0.0	27	0.421
6.008	0.421	0.748	13.2	2.7	1.860	1.965	0.000	59	0.0	0.0	47	0.589
6.009	0.429	0.752	13.3	2.8	1.965	1.880	0.000	61	0.0	0.0	47	0.596
6.010	0.428	0.751	13.3	2.8	1.880	1.985	0.000	61	0.0	0.0	47	0.595
1.018	0.796	1.234	21.8	6.9	3.430	3.910	0.000	148	0.0	0.0	58	1.091