

Design Settings

Frequency of use (kDU)	2.00	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)	0.200	
Domestic Flow (l/s/ha)	0.0	Minimum Velocity (m/s)	1.00	Preferred Cover Depth (m)	1.200	

Nodes

Name	Dwellings	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)	Invert Level (m)
111	3	8.590	1200	498930.118	103502.914	1.350	7.240
112	3	8.000	1200	498971.982	103508.404	1.350	6.650
113	7	7.955	1200	498997.526	103514.069	1.500	6.455
114	0	7.850	1200	499003.632	103511.957	1.445	6.405
115	2	7.505	1200	499045.264	103525.887	1.655	5.850
116	8	7.580	1200	499052.736	103536.575	1.820	5.760
117	8	7.630	1200	499060.667	103562.281	2.050	5.580
126	14	7.860	1200	498928.623	103597.584	1.410	6.450
127	6	8.150	1200	498983.427	103587.804	2.070	6.080
131	4	7.965	1200	498986.445	103561.218	1.350	6.615
132	0	8.110	1200	498984.990	103577.022	1.695	6.415
128	1	8.230	1200	498994.589	103584.610	2.230	6.000
129	0	8.305	1200	499007.897	103584.873	2.395	5.910
130	0	7.955	1200	499033.482	103578.625	2.220	5.735
118	6	7.495	1200	499063.772	103569.974	1.970	5.525
119	0	7.470	1200	499071.008	103568.364	1.995	5.475
120	0	7.515	1200	499078.332	103568.374	2.090	5.425
133	15	7.940	1200	499116.172	103526.652	2.295	5.645
134	0	7.985	1200	499107.890	103551.892	2.535	5.450
121	6	7.800	1200	499100.159	103574.355	2.525	5.275
122	0	7.730	1200	499094.050	103598.938	2.620	5.110
135	2	8.290	1200	499040.961	103629.552	1.350	6.940
136	6	8.285	1200	499052.039	103625.398	1.495	6.790
137	0	7.965	1200	499077.788	103621.097	2.015	5.950
123	3	7.885	1200	499092.573	103621.040	2.920	4.965
124	2	8.045	1200	499094.054	103641.025	3.215	4.830
125	10	8.150	1200	499094.887	103651.409	3.390	4.760
OUTFALL 5		8.163	1200	499102.946	103667.211	3.522	4.641

Nodes

Name	Dwellings	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)	Invert Level (m)
138	11	8.540	1200	498957.413	103442.177	1.350	7.190
139	5	8.150	1200	499009.555	103457.448	1.365	6.785
OUTFALL 6	1	8.191	1200	499028.373	103462.959	1.606	6.585
106	7	8.235	1200	498947.368	103749.902	1.350	6.885
107	3	7.770	1200	498944.635	103731.256	1.910	5.860
OUTFALL 3		7.493	1200	498942.565	103718.262	1.723	5.770
100	5	7.220	1200	498962.687	103861.820	1.870	5.350
101	0	7.535	1200	498959.364	103850.629	2.510	5.025
102	2	7.645	1200	498958.303	103842.466	3.165	4.480
OUTFALL 1		7.785	1200	498957.451	103834.090	3.391	4.394
109	14	7.785	1200	498994.484	103675.228	1.405	6.380
110	12	8.010	1200	498999.397	103698.600	2.530	5.480
108	3	8.160	1200	499003.317	103719.650	2.070	6.090
OUTFALL 4		8.099	1200	499002.142	103707.327	2.729	5.370
104	6	7.925	1200	499020.484	103780.407	1.775	6.150
105	7	7.700	1200	499031.626	103806.914	3.275	4.425
103	10	7.705	1200	499037.817	103820.622	3.465	4.240
OUTFALL 2		7.669	1200	499035.488	103814.950	3.843	3.826

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	111	112	42.222	1.500	7.240	6.650	0.590	71.6	150
1.001	112	113	26.165	1.500	6.650	6.455	0.195	134.2	150
1.002	113	114	6.461	1.500	6.455	6.405	0.050	129.2	150
1.003	114	115	43.901	1.500	6.405	5.850	0.555	79.1	150
1.004	115	116	13.041	1.500	5.850	5.760	0.090	144.9	150
1.005	116	117	26.902	1.500	5.760	5.580	0.180	149.5	150
1.006	117	118	8.296	1.500	5.580	5.525	0.055	150.8	150
2.000	126	127	55.670	1.500	6.450	6.080	0.370	150.5	150
2.001	127	128	11.610	1.500	6.080	6.000	0.080	145.1	150
3.000	131	132	15.871	1.500	6.615	6.415	0.200	79.4	150
3.001	132	128	12.236	1.500	6.415	6.000	0.415	29.5	150
2.002	128	129	13.311	1.500	6.000	5.910	0.090	147.9	150
2.003	129	130	26.337	1.500	5.910	5.735	0.175	150.5	150
2.004	130	118	31.501	1.500	5.735	5.525	0.210	150.0	150
1.007	118	119	7.413	1.500	5.525	5.475	0.050	148.3	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	0.207	1.036	18.3	0.1	1.200	1.200	0.000	3	0.0	0.0	10	0.291
1.001	0.202	0.755	13.3	0.3	1.200	1.350	0.000	6	0.0	0.0	16	0.296
1.002	0.269	0.770	13.6	0.6	1.350	1.295	0.000	13	0.0	0.0	22	0.382
1.003	0.312	0.985	17.4	0.6	1.295	1.505	0.000	13	0.0	0.0	20	0.454
1.004	0.270	0.727	12.8	0.7	1.505	1.670	0.000	15	0.0	0.0	24	0.379
1.005	0.309	0.715	12.6	1.1	1.670	1.900	0.000	23	0.0	0.0	30	0.430
1.006	0.334	0.712	12.6	1.4	1.900	1.820	0.000	31	0.0	0.0	34	0.469
2.000	0.257	0.713	12.6	0.6	1.260	1.920	0.000	14	0.0	0.0	23	0.366
2.001	0.292	0.726	12.8	0.9	1.920	2.080	0.000	20	0.0	0.0	27	0.414
3.000	0.211	0.984	17.4	0.2	1.200	1.545	0.000	4	0.0	0.0	11	0.312
3.001	0.301	1.617	28.6	0.2	1.545	2.080	0.000	4	0.0	0.0	9	0.436
2.002	0.318	0.719	12.7	1.2	2.080	2.245	0.000	25	0.0	0.0	31	0.443
2.003	0.315	0.713	12.6	1.2	2.245	2.070	0.000	25	0.0	0.0	31	0.439
2.004	0.315	0.714	12.6	1.2	2.070	1.820	0.000	25	0.0	0.0	31	0.440
1.007	0.415	0.718	12.7	2.9	1.820	1.845	0.000	62	0.0	0.0	48	0.577

Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)
1.008	119	120	7.324	1.500	5.475	5.425	0.050	146.5	150
1.009	120	121	22.632	1.500	5.425	5.275	0.150	150.9	150
4.000	133	134	26.564	1.500	5.645	5.450	0.195	136.2	150
4.001	134	121	23.756	1.500	5.450	5.275	0.175	135.7	150
1.010	121	122	25.331	1.500	5.275	5.110	0.165	153.5	150
1.011	122	123	22.151	1.500	5.110	4.965	0.145	152.8	150
5.000	135	136	11.831	1.500	6.940	6.790	0.150	78.9	150
5.001	136	137	26.106	1.500	6.790	5.950	0.840	31.1	150
5.002	137	123	14.785	1.500	5.950	4.965	0.985	15.0	150
1.012	123	124	20.040	1.500	4.965	4.830	0.135	148.4	150
1.013	124	125	10.417	1.500	4.830	4.760	0.070	148.8	150
1.014	125	OUTFALL 5	17.738	1.500	4.760	4.641	0.119	149.1	150
6.000	138	139	54.332	1.500	7.190	6.785	0.405	134.2	150
6.001	139	OUTFALL 6	19.608	1.500	6.785	6.585	0.200	98.0	150
7.000	106	107	18.845	1.500	6.885	5.860	1.025	18.4	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)
1.008	0.418	0.723	12.8	2.9	1.845	1.940	0.000	62	0.0	0.0	48	0.581
1.009	0.417	0.712	12.6	2.9	1.940	2.375	0.000	62	0.0	0.0	49	0.576
4.000	0.278	0.750	13.2	0.7	2.145	2.385	0.000	15	0.0	0.0	24	0.391
4.001	0.279	0.751	13.3	0.7	2.385	2.375	0.000	15	0.0	0.0	24	0.392
1.010	0.450	0.706	12.5	3.8	2.375	2.470	0.000	83	0.0	0.0	57	0.620
1.011	0.451	0.708	12.5	3.8	2.470	2.770	0.000	83	0.0	0.0	57	0.622
5.000	0.167	0.987	17.4	0.1	1.200	1.345	0.000	2	0.0	0.0	8	0.252
5.001	0.362	1.575	27.8	0.4	1.345	1.865	0.000	8	0.0	0.0	13	0.537
5.002	0.458	2.269	40.1	0.4	1.865	2.770	0.000	8	0.0	0.0	10	0.670
1.012	0.472	0.718	12.7	4.4	2.770	3.065	0.000	94	0.0	0.0	61	0.650
1.013	0.477	0.717	12.7	4.4	3.065	3.240	0.000	96	0.0	0.0	61	0.652
1.014	0.491	0.716	12.7	4.9	3.240	3.372	0.000	106	0.0	0.0	65	0.670
6.000	0.247	0.755	13.3	0.5	1.200	1.215	0.000	11	0.0	0.0	20	0.355
6.001	0.310	0.884	15.6	0.7	1.215	1.456	0.000	16	0.0	0.0	23	0.447
7.000	0.414	2.049	36.2	0.3	1.200	1.760	0.000	7	0.0	0.0	10	0.605

Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)
7.001	107	OUTFALL 3	13.158	1.500	5.860	5.770	0.090	146.2	150
8.000	100	101	11.674	1.500	5.350	5.025	0.325	35.9	150
8.001	101	102	8.232	1.500	5.025	4.480	0.545	15.1	150
8.002	102	OUTFALL 1	8.419	1.500	4.480	4.394	0.086	97.9	150
9.000	109	110	23.883	1.500	6.380	5.480	0.900	26.5	150
9.001	110	OUTFALL 4	9.149	1.500	5.480	5.370	0.110	83.2	150
10.000	108	OUTFALL 4	12.379	1.500	6.090	5.930	0.160	77.4	150
11.000	104	105	28.754	1.500	6.150	4.425	1.725	16.7	150
11.001	105	OUTFALL 2	8.916	1.500	4.425	3.826	0.599	14.9	150
12.000	103	OUTFALL 2	6.132	1.500	4.240	3.831	0.409	15.0	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)
7.001	0.237	0.723	12.8	0.5	1.760	1.573	0.000	10	0.0	0.0	20	0.333
8.000	0.294	1.465	25.9	0.2	1.720	2.360	0.000	5	0.0	0.0	10	0.431
8.001	0.388	2.262	40.0	0.2	2.360	3.015	0.000	5	0.0	0.0	8	0.582
8.002	0.237	0.885	15.6	0.3	3.015	3.241	0.000	7	0.0	0.0	16	0.348
9.000	0.460	1.705	30.1	0.6	1.255	2.380	0.000	14	0.0	0.0	16	0.673
9.001	0.388	0.961	17.0	1.2	2.380	2.579	0.000	26	0.0	0.0	27	0.549
10.000	0.199	0.996	17.6	0.1	1.920	2.019	0.000	3	0.0	0.0	10	0.280
11.000	0.402	2.153	38.0	0.3	1.625	3.125	0.000	6	0.0	0.0	10	0.609
11.001	0.556	2.278	40.3	0.6	3.125	3.693	0.000	13	0.0	0.0	13	0.804
12.000	0.523	2.270	40.1	0.5	3.315	3.688	0.000	10	0.0	0.0	11	0.724