

Nodes

Name	Dwellings	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
601	0	25.255	1200	341107.759	398428.398	2.255
602	0	25.210	1200	341107.714	398419.052	2.327
603	0	24.687	1200	341107.593	398376.531	2.087
604	0	24.671	1200	341107.601	398321.726	2.436
605	0	24.232	1200	341107.583	398265.929	2.369
606	0	24.023	1200	341107.199	398249.217	2.271
607	0	23.820	1200	341095.573	398245.202	2.150
608	0	23.661	1200	341084.247	398247.674	2.068
609	0	23.267	1200	341033.422	398265.322	2.444
610	0	22.651	1200	340952.389	398292.682	2.398
611	0	26.081	1200	340940.483	398502.169	1.350
612	0	26.050	1200	340957.508	398495.831	1.546
613	0	25.411	1200	340983.393	398485.934	1.350
614	0	24.250	1200	340958.242	398420.514	1.350
615	0	24.393	1200	341058.294	398379.975	1.350
616	0	24.000	1200	341028.443	398390.186	1.351
617	0	24.419	1200	341025.301	398424.680	1.350
618	0	23.816	1200	341014.627	398395.010	1.350
619	0	24.015	1200	340962.599	398412.922	1.916
620	0	24.109	1200	340958.557	398412.947	3.232
621	0	23.791	1200	340957.906	398393.519	3.044
622	0	23.347	1200	340948.745	398364.995	2.800
623	0	24.200	1200	341017.701	398334.952	1.350
624	0	24.087	1200	341008.964	398337.563	1.351
625	0	23.850	1200	340990.502	398339.687	1.350
626	0	23.296	1200	340934.016	398357.118	2.860
627	0	23.194	1200	340929.034	398342.427	2.861
628	0	23.238	1200	340919.686	398308.767	3.138
629	0	22.178	1200	340938.238	398286.893	2.269
630	0	22.012	1200	340932.793	398279.604	2.164
631	0	21.747	1200	340921.101	398245.508	2.139
632	0	21.732	1200	340909.628	398210.058	2.372
633	0	21.909	1200	340896.404	398164.984	2.862
634	0	22.002	1200	340891.089	398157.322	3.017
635	0	21.905	1200	340883.225	398149.295	2.995
636	0	21.703	1200	340880.243	398143.479	2.837
637	0	21.470	1200	340878.833	398137.587	2.644
638		19.193	1200	340879.131	398091.073	1.348

Links (Input)

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	601	602	9.346	1.500	23.000	22.883	0.117	80.0	150
1.001	602	603	42.521	1.500	22.883	22.600	0.283	150.0	150
1.002	603	604	54.805	1.500	22.600	22.235	0.365	150.0	150
1.003	604	605	55.797	1.500	22.235	21.863	0.372	150.0	150
1.004	605	606	16.716	1.500	21.863	21.752	0.111	150.0	150
1.005	606	607	12.300	1.500	21.752	21.670	0.082	150.0	150
1.006	607	608	11.593	1.500	21.670	21.593	0.077	150.0	150
1.007	608	609	53.802	1.500	21.593	20.823	0.770	69.9	150
1.008	609	610	85.527	1.500	20.823	20.253	0.570	150.0	150

Links (Input)

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)
1.009	610	629	15.289	1.500	20.253	19.909	0.344	44.4	150
2.000	611	612	18.166	1.500	24.731	24.504	0.227	80.0	150
2.001	612	613	27.713	1.500	24.504	24.061	0.443	62.6	150
2.002	613	614	70.088	1.500	24.061	22.900	1.161	60.4	150
2.003	614	620	7.574	1.500	22.900	22.759	0.141	53.7	150
3.000	615	616	31.549	1.500	23.043	22.649	0.394	80.0	150
3.001	616	618	14.634	1.500	22.649	22.466	0.183	80.0	150
4.000	617	618	31.532	1.500	23.069	22.466	0.603	52.3	150
3.002	618	619	55.025	1.500	22.466	22.099	0.367	150.0	150
3.003	619	620	4.042	1.500	22.099	22.072	0.027	150.0	150
2.004	620	621	19.439	1.500	20.877	20.747	0.130	150.0	150
2.005	621	622	29.959	1.500	20.747	20.547	0.200	150.0	150
2.006	622	626	16.703	1.500	20.547	20.436	0.111	150.0	150
5.000	623	624	9.119	1.500	22.850	22.736	0.114	80.0	150
5.001	624	625	18.584	1.500	22.736	22.500	0.236	78.7	150
5.002	625	626	59.114	1.500	22.500	22.106	0.394	150.0	150
2.007	626	627	15.513	1.500	20.436	20.333	0.103	150.0	150
2.008	627	628	34.934	1.500	20.333	20.100	0.233	150.0	150
2.009	628	629	28.682	1.500	20.100	19.909	0.191	150.0	150
1.010	629	630	9.098	1.500	19.909	19.848	0.061	150.0	150
1.011	630	631	36.045	1.500	19.848	19.608	0.240	150.0	150
1.012	631	632	37.260	1.500	19.608	19.360	0.248	150.0	150
1.013	632	633	46.974	1.500	19.360	19.047	0.313	150.0	150
1.014	633	634	9.325	1.500	19.047	18.985	0.062	150.0	150
1.015	634	635	11.237	1.500	18.985	18.910	0.075	150.0	150
1.016	635	636	6.536	1.500	18.910	18.866	0.044	150.0	150
1.017	636	637	6.058	1.500	18.866	18.826	0.040	150.0	150
1.018	637	638	46.515	1.500	18.826	17.845	0.981	47.4	150

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	9.346	80.0	150	Circular_Default Sewer Type	25.255	23.000	2.105	25.210	22.883	2.177
1.001	42.521	150.0	150	Circular_Default Sewer Type	25.210	22.883	2.177	24.687	22.600	1.937
1.002	54.805	150.0	150	Circular_Default Sewer Type	24.687	22.600	1.937	24.671	22.235	2.286
1.003	55.797	150.0	150	Circular_Default Sewer Type	24.671	22.235	2.286	24.232	21.863	2.219
1.004	16.716	150.0	150	Circular_Default Sewer Type	24.232	21.863	2.219	24.023	21.752	2.121
1.005	12.300	150.0	150	Circular_Default Sewer Type	24.023	21.752	2.121	23.820	21.670	2.000
1.006	11.593	150.0	150	Circular_Default Sewer Type	23.820	21.670	2.000	23.661	21.593	1.918
1.007	53.802	69.9	150	Circular_Default Sewer Type	23.661	21.593	1.918	23.267	20.823	2.294

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.000	601	1200	Manhole	Adoptable	602	1200	Manhole	Adoptable
1.001	602	1200	Manhole	Adoptable	603	1200	Manhole	Adoptable
1.002	603	1200	Manhole	Adoptable	604	1200	Manhole	Adoptable
1.003	604	1200	Manhole	Adoptable	605	1200	Manhole	Adoptable
1.004	605	1200	Manhole	Adoptable	606	1200	Manhole	Adoptable
1.005	606	1200	Manhole	Adoptable	607	1200	Manhole	Adoptable
1.006	607	1200	Manhole	Adoptable	608	1200	Manhole	Adoptable
1.007	608	1200	Manhole	Adoptable	609	1200	Manhole	Adoptable

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)
1.008	85.527	150.0	150	Circular_Default Sewer Type	23.267	20.823	2.294	22.651	20.253	2.248
1.009	15.289	44.4	150	Circular_Default Sewer Type	22.651	20.253	2.248	22.178	19.909	2.119
2.000	18.166	80.0	150	Circular_Default Sewer Type	26.081	24.731	1.200	26.050	24.504	1.396
2.001	27.713	62.6	150	Circular_Default Sewer Type	26.050	24.504	1.396	25.411	24.061	1.200
2.002	70.088	60.4	150	Circular_Default Sewer Type	25.411	24.061	1.200	24.250	22.900	1.200
2.003	7.574	53.7	150	Circular_Default Sewer Type	24.250	22.900	1.200	24.109	22.759	1.200
3.000	31.549	80.0	150	Circular_Default Sewer Type	24.393	23.043	1.200	24.000	22.649	1.201
3.001	14.634	80.0	150	Circular_Default Sewer Type	24.000	22.649	1.201	23.816	22.466	1.200
4.000	31.532	52.3	150	Circular_Default Sewer Type	24.419	23.069	1.200	23.816	22.466	1.200
3.002	55.025	150.0	150	Circular_Default Sewer Type	23.816	22.466	1.200	24.015	22.099	1.766
3.003	4.042	150.0	150	Circular_Default Sewer Type	24.015	22.099	1.766	24.109	22.072	1.887
2.004	19.439	150.0	150	Circular_Default Sewer Type	24.109	20.877	3.082	23.791	20.747	2.894
2.005	29.959	150.0	150	Circular_Default Sewer Type	23.791	20.747	2.894	23.347	20.547	2.650
2.006	16.703	150.0	150	Circular_Default Sewer Type	23.347	20.547	2.650	23.296	20.436	2.710
5.000	9.119	80.0	150	Circular_Default Sewer Type	24.200	22.850	1.200	24.087	22.736	1.201
5.001	18.584	78.7	150	Circular_Default Sewer Type	24.087	22.736	1.201	23.850	22.500	1.200
5.002	59.114	150.0	150	Circular_Default Sewer Type	23.850	22.500	1.200	23.296	22.106	1.040
2.007	15.513	150.0	150	Circular_Default Sewer Type	23.296	20.436	2.710	23.194	20.333	2.711
2.008	34.934	150.0	150	Circular_Default Sewer Type	23.194	20.333	2.711	23.238	20.100	2.988
2.009	28.682	150.0	150	Circular_Default Sewer Type	23.238	20.100	2.988	22.178	19.909	2.119
1.010	9.098	150.0	150	Circular_Default Sewer Type	22.178	19.909	2.119	22.012	19.848	2.014
1.011	36.045	150.0	150	Circular_Default Sewer Type	22.012	19.848	2.014	21.747	19.608	1.989
1.012	37.260	150.0	150	Circular_Default Sewer Type	21.747	19.608	1.989	21.732	19.360	2.222
1.013	46.974	150.0	150	Circular_Default Sewer Type	21.732	19.360	2.222	21.909	19.047	2.712
1.014	9.325	150.0	150	Circular_Default Sewer Type	21.909	19.047	2.712	22.002	18.985	2.867

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.008	609	1200	Manhole	Adoptable	610	1200	Manhole	Adoptable
1.009	610	1200	Manhole	Adoptable	629	1200	Manhole	Adoptable
2.000	611	1200	Manhole	Adoptable	612	1200	Manhole	Adoptable
2.001	612	1200	Manhole	Adoptable	613	1200	Manhole	Adoptable
2.002	613	1200	Manhole	Adoptable	614	1200	Manhole	Adoptable
2.003	614	1200	Manhole	Adoptable	620	1200	Manhole	Adoptable
3.000	615	1200	Manhole	Adoptable	616	1200	Manhole	Adoptable
3.001	616	1200	Manhole	Adoptable	618	1200	Manhole	Adoptable
4.000	617	1200	Manhole	Adoptable	618	1200	Manhole	Adoptable
3.002	618	1200	Manhole	Adoptable	619	1200	Manhole	Adoptable
3.003	619	1200	Manhole	Adoptable	620	1200	Manhole	Adoptable
2.004	620	1200	Manhole	Adoptable	621	1200	Manhole	Adoptable
2.005	621	1200	Manhole	Adoptable	622	1200	Manhole	Adoptable
2.006	622	1200	Manhole	Adoptable	626	1200	Manhole	Adoptable
5.000	623	1200	Manhole	Adoptable	624	1200	Manhole	Adoptable
5.001	624	1200	Manhole	Adoptable	625	1200	Manhole	Adoptable
5.002	625	1200	Manhole	Adoptable	626	1200	Manhole	Adoptable
2.007	626	1200	Manhole	Adoptable	627	1200	Manhole	Adoptable
2.008	627	1200	Manhole	Adoptable	628	1200	Manhole	Adoptable
2.009	628	1200	Manhole	Adoptable	629	1200	Manhole	Adoptable
1.010	629	1200	Manhole	Adoptable	630	1200	Manhole	Adoptable
1.011	630	1200	Manhole	Adoptable	631	1200	Manhole	Adoptable
1.012	631	1200	Manhole	Adoptable	632	1200	Manhole	Adoptable
1.013	632	1200	Manhole	Adoptable	633	1200	Manhole	Adoptable
1.014	633	1200	Manhole	Adoptable	634	1200	Manhole	Adoptable

Pipeline Schedule

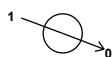
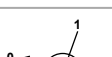
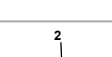
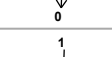
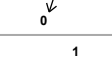
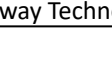
Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
1.015	11.237	150.0	150	Circular_Default Sewer Type	22.002	18.985	2.867	21.905	18.910	2.845
1.016	6.536	150.0	150	Circular_Default Sewer Type	21.905	18.910	2.845	21.703	18.866	2.687
1.017	6.058	150.0	150	Circular_Default Sewer Type	21.703	18.866	2.687	21.470	18.826	2.494
1.018	46.515	47.4	150	Circular_Default Sewer Type	21.470	18.826	2.494	19.193	17.845	1.198

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.015	634	1200	Manhole	Adoptable	635	1200	Manhole	Adoptable
1.016	635	1200	Manhole	Adoptable	636	1200	Manhole	Adoptable
1.017	636	1200	Manhole	Adoptable	637	1200	Manhole	Adoptable
1.018	637	1200	Manhole	Adoptable	638	1200	Manhole	Adoptable

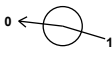
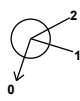
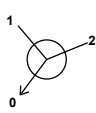
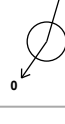
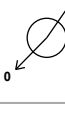
Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
601	341107.759	398428.398	25.255	2.255	1200				
602	341107.714	398419.052	25.210	2.327	1200		0 1.000	23.000	150
603	341107.593	398376.531	24.687	2.087	1200		0 1.001	22.883	150
604	341107.601	398321.726	24.671	2.436	1200		0 1.002	22.600	150
605	341107.583	398265.929	24.232	2.369	1200		0 1.003	22.235	150
606	341107.199	398249.217	24.023	2.271	1200		0 1.004	21.863	150
607	341095.573	398245.202	23.820	2.150	1200		0 1.005	21.752	150
608	341084.247	398247.674	23.661	2.068	1200		0 1.006	21.670	150
609	341033.422	398265.322	23.267	2.444	1200		0 1.007	21.593	150
							0 1.008	20.823	150

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
610	340952.389	398292.682	22.651	2.398	1200	 1	1.008	20.253	150
611	340940.483	398502.169	26.081	1.350	1200	 0	1.009	20.253	150
612	340957.508	398495.831	26.050	1.546	1200	 1	2.000	24.731	150
613	340983.393	398485.934	25.411	1.350	1200	 1	2.000	24.504	150
614	340958.242	398420.514	24.250	1.350	1200	 1	2.001	24.504	150
615	341058.294	398379.975	24.393	1.350	1200	 1	2.001	24.061	150
616	341028.443	398390.186	24.000	1.351	1200	 0	2.002	24.061	150
617	341025.301	398424.680	24.419	1.350	1200	 1	2.002	22.900	150
618	341014.627	398395.010	23.816	1.350	1200	 0	2.003	22.900	150
619	340962.599	398412.922	24.015	1.916	1200	 0	3.000	23.043	150
620	340958.557	398412.947	24.109	3.232	1200	 1	3.000	22.649	150
621	340957.906	398393.519	23.791	3.044	1200	 0	3.001	22.649	150
622	340948.745	398364.995	23.347	2.800	1200	 0	4.000	23.069	150
						 1	4.000	22.466	150
						 2	3.001	22.466	150
						 0	3.002	22.466	150
						 1	3.002	22.099	150
						 0	3.003	22.099	150
						 1	3.003	22.072	150
						 2	2.003	22.759	150
						 0	2.004	20.877	150
						 1	2.004	20.747	150
						 0	2.005	20.747	150
						 1	2.005	20.547	150
						 0	2.006	20.547	150

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
623	341017.701	398334.952	24.200	1.350	1200				
						0	5.000	22.850	150
624	341008.964	398337.563	24.087	1.351	1200		1	5.000	22.736
						0	5.001	22.736	150
625	340990.502	398339.687	23.850	1.350	1200		1	5.001	22.500
						0	5.002	22.500	150
626	340934.016	398357.118	23.296	2.860	1200		1	5.002	22.106
						2	2.006	20.436	150
						0	2.007	20.436	150
627	340929.034	398342.427	23.194	2.861	1200		1	2.007	20.333
						0	2.008	20.333	150
628	340919.686	398308.767	23.238	3.138	1200		1	2.008	20.100
						0	2.009	20.100	150
629	340938.238	398286.893	22.178	2.269	1200		1	2.009	19.909
						2	1.009	19.909	150
						0	1.010	19.909	150
630	340932.793	398279.604	22.012	2.164	1200		1	1.010	19.848
						0	1.011	19.848	150
631	340921.101	398245.508	21.747	2.139	1200		1	1.011	19.608
						0	1.012	19.608	150
632	340909.628	398210.058	21.732	2.372	1200		1	1.012	19.360
						0	1.013	19.360	150
633	340896.404	398164.984	21.909	2.862	1200		1	1.013	19.047
						0	1.014	19.047	150
634	340891.089	398157.322	22.002	3.017	1200		1	1.014	18.985
						0	1.015	18.985	150
635	340883.225	398149.295	21.905	2.995	1200		1	1.015	18.910
						0	1.016	18.910	150

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
636	340880.243	398143.479	21.703	2.837	1200		1	1.016	18.866	150
							0	1.017	18.866	150
637	340878.833	398137.587	21.470	2.644	1200		1	1.017	18.826	150
							0	1.018	18.826	150
638	340879.131	398091.073	19.193	1.348	1200		1	1.018	17.845	150