

Foul Calculation Settings

Flow per unit per day (l/day): 4000.0

Self Cleansing Velocity (m/s): 0.75

Foul Calculations for Outfall: F14

Manhole Schedule

Manhole	Units	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
SVP12A	0.0	0.180	Type E	5.800	5.000	0.700	488771.159	98416.639
DC12C	0.0	0.180	Type E	5.800	5.000	0.700	488777.115	98418.134
PF25	0.0	0.450	450	5.758	4.800	0.858	488778.554	98417.900
SVP10A	0.0	0.180	Type E	5.800	5.000	0.700	488777.808	98430.615
DC10C	0.0	0.180	Type E	5.800	5.000	0.700	488780.107	98429.018
PF66	0.0	0.450	450	5.733	4.800	0.833	488781.118	98428.703
SVP10B	0.0	0.180	Type E	5.800	5.000	0.700	488779.811	98427.315
PF24	0.0	0.450	450	5.776	4.675	1.001	488781.211	98427.053
SVP13A	0.0	0.180	Type E	5.950	5.150	0.700	488803.263	98407.142
DC13A	0.0	0.180	Type E	5.950	5.150	0.700	488799.086	98411.617
PF88	0.0	0.450	450	5.907	4.950	0.857	488797.849	98412.348
SVP15A	0.0	0.180	Type E	5.950	5.150	0.700	488805.312	98422.460
DC15A	0.0	0.180	Type E	5.950	5.150	0.700	488802.515	98422.373
PF129	0.0	0.450	450	5.897	5.000	0.797	488801.097	98422.732
SVP15B	0.0	0.180	Type E	5.950	5.150	0.700	488801.834	98420.785
PF87	0.0	0.450	450	5.920	4.800	1.020	488800.548	98421.325
F55	6.0	1.350	Type C	5.628	4.525	1.003	488792.647	98424.490
SVP9A	0.0	0.180	Type E	5.715	4.925	0.690	488778.325	98432.591
DC9A	0.0	0.180	Type E	5.715	4.925	0.690	488781.122	98432.679
SVP9B	0.0	0.180	Type E	5.715	4.925	0.690	488781.802	98434.268
PF46	0.0	0.450	450	5.709	4.800	0.809	488783.256	98433.922
SVP8A	0.0	0.180	Type E	5.715	4.925	0.690	488781.213	98442.343
DC8A	0.0	0.180	Type E	5.715	4.925	0.690	488783.511	98440.746
PF44	0.0	0.450	450	5.643	4.800	0.743	488785.111	98440.114
SVP8B	0.0	0.180	Type E	5.715	4.925	0.690	488783.216	98439.042
PF45	0.0	0.450	450	5.679	4.700	0.879	488784.698	98438.662
SVP16A	0.0	0.180	Type E	5.850	5.050	0.700	488805.954	98424.391
DC16B	0.0	0.180	Type E	5.850	5.050	0.700	488803.657	98425.989
PF75	0.0	0.450	450	5.855	4.900	0.855	488802.090	98426.555
SVP17A	0.0	0.180	Type E	5.850	5.050	0.700	488808.849	98434.140
DC17A	0.0	0.180	Type E	5.850	5.050	0.700	488806.052	98434.054
PF68	0.0	0.450	450	5.792	4.900	0.792	488804.378	98434.363
SVP17B	0.0	0.180	Type E	5.850	5.050	0.700	488805.371	98432.465
PF67	0.0	0.450	450	5.822	4.800	0.922	488804.000	98432.997
F71	6.0	1.350	Type C	5.502	4.350	1.052	488796.141	98436.201
SVP5A	0.0	0.180	Type E	5.725	4.925	0.700	488751.602	98449.796
DC5A	0.0	0.180	Type E	5.725	4.925	0.700	488753.421	98449.643
PF7	0.0	0.450	450	5.370	4.750	0.520	488755.277	98455.578
SVP6B	0.0	0.180	Type E	5.725	4.925	0.700	488761.811	98450.394
DC6B	0.0	0.180	Type E	5.725	4.925	0.700	488762.252	98451.870
PF10	0.0	0.450	450	5.677	4.750	0.827	488762.358	98453.126
F38	2.0	0.675	Type E	5.400	4.620	0.680	488764.067	98456.653
F39	0.0	0.675	Type E	5.470	4.305	1.065	488788.113	98449.106
F40	2.0	1.350	Type C	5.235	4.100	0.985	488800.400	98450.405
F73	3.0	1.350	Type C	5.254	3.946	1.158	488818.206	98446.441
DC19A	0.0	0.180	Type E	5.700	4.900	0.700	488833.219	98429.750
DC19C	0.0	0.180	Type E	5.700	4.900	0.700	488831.993	98430.625
PF90	0.0	0.450	450	5.693	4.700	0.893	488832.780	98434.950
PF96	0.0	0.450	450	5.656	4.600	0.956	488833.097	98436.608
PF95	0.0	0.450	450	5.668	4.500	1.068	488838.708	98435.399
F41	2.0	1.200	Type B	5.421	3.731	1.540	488843.171	98442.233
SVP22A	0.0	0.180	Type E	5.700	4.900	0.700	488850.258	98431.250
DC22C	0.0	0.180	Type E	5.700	4.900	0.700	488851.601	98433.705
SVP22B	0.0	0.180	Type E	5.700	4.900	0.700	488853.326	98433.594
PF99	0.0	0.450	450	5.656	4.700	0.856	488853.622	98435.503
PF104	0.0	0.450	450	5.649	4.600	0.949	488858.707	98434.539

Manhole Schedule

Manhole	Units	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
F42	2.0	1.200	Type B	5.543	3.592	1.801	488861.540	98439.505
SVP24A	0.0	0.180	Type E	5.850	5.050	0.700	488866.917	98429.028
DC24A	0.0	0.180	Type E	5.850	5.050	0.700	488867.980	98431.617
SVP24B	0.0	0.180	Type E	5.850	5.050	0.700	488869.707	98431.697
PF108	0.0	0.450	450	5.781	4.900	0.781	488869.740	98433.634
PF109	0.0	0.450	450	5.797	4.800	0.897	488874.916	98433.240
F43	3.0	1.200	Type B	5.643	3.473	2.020	488877.319	98438.355
DC26A	0.0	0.180	Type E	6.000	5.200	0.700	488883.859	98429.353
DC26B	0.0	0.180	Type E	6.000	5.200	0.700	488884.001	98430.886
PF125	0.0	0.450	450	5.970	5.100	0.770	488884.417	98431.972
SVP26A	0.0	0.180	Type E	6.000	5.200	0.700	488885.797	98430.762
DC26C	0.0	0.180	Type E	6.000	5.200	0.700	488887.495	98430.443
PF117	0.0	0.450	450	5.933	5.000	0.833	488887.658	98432.537
PF118	0.0	0.450	450	5.961	4.800	1.061	488895.106	98432.037
F44	0.0	1.200	Type B	5.782	3.310	2.321	488898.910	98438.164
F45	0.0	1.200	Type B	5.974	3.072	2.752	488930.497	98440.251
F72	4.0	1.200	Type B	5.969	3.033	2.785	488935.387	98437.450
SVP29A	0.0	0.180	Type E	6.150	5.350	0.700	488908.501	98427.130
PF139	0.0	0.450	450	6.032	5.200	0.732	488910.084	98432.519
DC32B	0.0	0.180	Type E	6.150	5.350	0.700	488923.026	98425.322
DC32A	0.0	0.180	Type E	6.150	5.350	0.700	488923.857	98424.531
SVP32A	0.0	0.180	Type E	6.150	5.350	0.700	488925.756	98426.544
PF146	0.0	0.450	450	6.104	5.200	0.804	488926.856	98426.605
PF144	0.0	0.450	450	6.014	4.900	1.014	488927.730	98431.173
PF526	0.0	0.450	450	6.050	4.750	1.200	488933.762	98432.005
F46	0.0	1.200	Type B	5.961	2.994	2.818	488936.821	98431.924
F47	0.0	1.200	Type B	5.599	2.663	2.786	488929.980	98388.474
SVP41A	0.0	0.180	Type E	6.175	5.175	0.900	488860.412	98396.722
DC41A	0.0	0.180	Type E	6.175	5.175	0.900	488861.006	98393.987
PF217	0.0	0.450	450	6.127	5.050	0.977	488860.806	98391.988
SVP40A	0.0	0.180	Type E	6.175	5.175	0.900	488870.526	98395.652
DC40A	0.0	0.180	Type E	6.175	5.175	0.900	488869.372	98393.102
PF214	0.0	0.450	450	6.114	4.950	1.064	488867.641	98391.207
F68	4.0	1.200	Type B	5.955	4.300	1.555	488867.258	98387.665
SVP39A	0.0	0.180	Type E	6.000	5.200	0.700	488876.807	98395.094
PF210	0.0	0.450	450	5.993	4.800	1.093	488877.209	98390.315
SVP38A	0.0	0.180	Type E	6.000	5.200	0.700	488886.921	98394.023
DC38A	0.0	0.180	Type E	6.000	5.200	0.700	488885.768	98391.474
PF208	0.0	0.450	450	5.929	4.700	1.129	488885.867	98389.453
F69	2.0	1.200	Type B	5.832	4.100	1.632	488885.602	98385.821
DC53O	0.0	0.180	Type E	5.950	5.100	0.750	488906.400	98351.809
PF271	0.0	0.450	450	5.795	4.900	0.795	488901.791	98354.552
DC53I	0.0	0.180	Type E	5.950	5.100	0.750	488906.702	98362.683
PF248	0.0	0.450	450	5.838	4.775	0.963	488900.326	98363.293
PF237	0.0	0.450	450	5.837	4.650	1.087	488894.442	98368.024
PF238	0.0	0.450	450	5.800	4.500	1.200	488895.464	98377.934
SVP53C	0.0	0.180	Type E	5.950	5.100	0.750	488916.527	98374.472
PF240	0.0	0.450	450	5.752	4.900	0.752	488915.860	98375.664
PF239	0.0	1.200	Type E	5.928	4.400	1.428	488901.755	98378.187
SVP37A	0.0	0.180	Type E	5.850	5.050	0.700	488893.194	98393.361
PF212	0.0	0.450	450	5.841	4.800	0.941	488893.587	98388.579
SVP36A	0.0	0.180	Type E	5.850	5.050	0.700	488903.307	98392.291
DC36A	0.0	0.180	Type E	5.850	5.050	0.700	488902.154	98389.741
PF206	0.0	0.450	Unknown	5.775	4.450	1.225	488902.383	98387.625
F70	3.0	1.200	Type B	5.682	3.700	1.882	488902.358	98384.078
DC33A	0.0	0.180	Type E	5.700	4.900	0.700	488916.881	98396.911
PF166	0.0	0.450	450	5.541	4.800	0.641	488917.910	98397.970
PF167	0.0	0.450	450	5.785	4.700	0.985	488922.854	98397.455
DC35B	0.0	0.180	Type E	5.700	4.900	0.700	488909.834	98390.253
DC35A	0.0	0.180	Type E	5.700	4.900	0.700	488909.704	98388.717
PF160	0.0	0.450	450	5.695	4.600	0.995	488909.851	98386.806
PF164	0.0	0.450	Unknown	5.612	4.300	1.212	488921.744	98385.518
F48	10.0	1.200	Type B	5.554	2.586	2.818	488921.936	98382.068
F49	0.0	1.200	Type A	5.680	2.340	3.190	488917.875	98349.589
F50	2.0	1.200	Type A	5.785	2.238	3.397	488906.619	98342.141
SVP65A	0.0	0.180	Type E	5.900	5.100	0.700	488884.345	98330.701
DC65C	0.0	0.180	Type E	5.900	5.100	0.700	488886.218	98327.819
PF713	0.0	0.450	450	5.872	4.900	0.872	488887.583	98327.406

Manhole Schedule

Manhole	Units	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
F51	0.0	1.200	Type A	5.805	2.064	3.591	488889.774	98326.235
SVP67A	0.0	0.180	Type E	5.925	5.100	0.725	488867.786	98312.109
DC66A	0.0	0.180	Type E	5.925	5.100	0.725	488870.938	98314.817
PF724	0.0	0.450	450	5.825	4.900	0.825	488873.676	98308.995
F52	3.0	1.200	Type A	5.604	1.865	3.589	488875.416	98304.000
SVP113A	0.0	0.180	Type E	5.530	4.700	0.730	488762.113	98355.783
DC113C	0.0	0.180	Type E	5.530	4.700	0.730	488762.729	98359.407
PF561	0.0	0.450	450	5.650	4.500	1.050	488761.469	98362.197
SVP116A	0.0	0.180	Type E	5.530	4.700	0.730	488774.187	98361.244
DC116C	0.0	0.180	Type E	5.530	4.700	0.730	488773.538	98364.619
PF579	0.0	0.450	450	5.521	4.526	0.895	488771.961	98365.422
F56	4.0	1.350	Type C	5.439	3.950	1.389	488771.066	98367.866
DC118A	0.0	0.180	Type E	5.525	4.700	0.725	488798.488	98374.859
DC118B	0.0	0.180	Type E	5.525	4.700	0.725	488799.117	98376.224
PF559	0.0	0.450	450	5.521	4.500	0.921	488796.049	98380.311
DC117A	0.0	0.180	Type E	5.525	4.700	0.725	488795.031	98371.926
DC117B	0.0	0.180	Type E	5.525	4.700	0.725	488795.689	98373.300
PF553	0.0	0.450	450	5.531	4.400	1.031	488792.151	98378.048
F57	4.0	1.200	Type B	5.465	3.650	1.715	488790.585	98380.159
DC119A	0.0	0.180	Type E	5.525	4.700	0.725	488804.962	98380.414
DC119B	0.0	0.180	Type E	5.525	4.700	0.725	488803.527	98379.979
PF547	0.0	0.450	450	5.493	4.500	0.893	488799.950	98383.668
DC120B	0.0	0.180	Type E	5.525	4.700	0.725	488805.950	98382.005
DC120C	0.0	0.180	Type E	5.525	4.700	0.725	488803.707	98384.767
PF541	0.0	0.450	450	5.452	4.200	1.152	488801.883	98385.918
F58	0.0	1.200	Type B	5.385	3.491	1.794	488800.184	98387.831
F59	2.0	1.200	Type B	5.391	3.330	1.961	488805.051	98399.047
SVP46A	0.0	0.180	Type E	5.700	4.900	0.700	488820.077	98400.521
DC46A	0.0	0.180	Type E	5.700	4.900	0.700	488820.162	98397.723
SVP46B	0.0	0.180	Type E	5.700	4.900	0.700	488821.751	98397.042
PF171	0.0	0.450	450	5.684	4.700	0.884	488821.422	98396.088
SVP45A	0.0	0.180	Type E	5.700	4.900	0.700	488829.826	98397.625
DC45A	0.0	0.180	Type E	5.700	4.900	0.700	488828.227	98395.328
SVP45B	0.0	0.180	Type E	5.700	4.900	0.700	488826.524	98395.625
PF175	0.0	0.450	450	5.634	4.700	0.834	488826.656	98394.511
PF184	0.0	0.450	450	5.727	4.600	1.027	488825.941	98393.409
F60	3.0	1.200	Type B	5.538	3.169	2.220	488824.577	98390.212
DC44A	0.0	0.180	Type E	6.000	5.200	0.700	488837.005	98398.309
DC44B	0.0	0.180	Type E	6.000	5.200	0.700	488836.595	98396.816
PF186	0.0	0.450	450	5.953	5.100	0.753	488836.339	98395.103
DC42A	0.0	0.180	Type E	6.000	5.200	0.700	488851.087	98394.099
DC42B	0.0	0.180	Type E	6.000	5.200	0.700	488850.613	98392.634
PF192	0.0	0.450	450	5.990	5.100	0.790	488850.045	98391.731
PF204	0.0	0.450	450	5.985	4.900	0.985	488848.133	98390.684
F61	0.0	1.200	Type B	5.690	2.992	2.548	488845.318	98379.047
SVP47B	0.0	0.180	Type E	6.075	5.200	0.775	488861.049	98373.130
DC47B	0.0	0.180	Type E	6.075	5.200	0.775	488859.942	98373.495
PF657	0.0	0.450	450	5.990	4.900	0.990	488855.929	98373.446
F62	9.0	1.200	Type B	5.638	2.888	2.599	488849.622	98365.942
DC104B	0.0	0.180	Type E	5.650	4.850	0.700	488834.872	98360.895
DC104C	0.0	0.180	Type E	5.650	4.850	0.700	488836.406	98359.831
PF590	0.0	0.450	450	5.644	4.650	0.894	488837.617	98358.765
F63	2.0	1.200	Type B	5.581	2.786	2.645	488843.808	98353.655
SVP92A	0.0	0.180	Type E	6.500	5.700	0.700	488780.849	98298.362
DC92A	0.0	0.180	Type E	6.500	5.700	0.700	488782.282	98299.413
PF685	0.0	0.450	450	6.477	5.500	0.877	488780.410	98305.631
DC93B	0.0	0.180	Type E	6.500	5.700	0.700	488788.152	98305.453
SVP93A	0.0	0.180	Type E	6.500	5.700	0.700	488785.864	98306.163
DC93A	0.0	0.180	Type E	6.500	5.700	0.700	488787.524	98306.860
PF678	0.0	0.450	450	6.500	5.500	0.900	488786.653	98308.140
F66	3.0	1.350	Type C	6.294	4.994	1.200	488786.000	98313.273
DC107B	0.0	0.180	Type E	6.150	5.350	0.700	488803.278	98338.805
DC107A	0.0	0.180	Type E	6.150	5.350	0.700	488804.781	98338.908
PF607	0.0	0.450	450	6.108	5.100	0.908	488807.707	98334.299
DC109B	0.0	0.180	Type E	6.150	5.350	0.700	488798.819	98336.491
DC109A	0.0	0.180	Type E	6.150	5.350	0.700	488797.871	98335.333
PF622	0.0	0.450	450	6.140	5.140	0.900	488799.958	98330.812
SVP109A	0.0	0.180	Type E	6.150	5.350	0.700	488799.101	98335.972

Manhole Schedule

Manhole	Units	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
DC109C	0.0	0.180	Type E	6.150	5.350	0.700	488799.749	98332.608
PF619	0.0	0.450	450	6.137	5.137	0.900	488801.362	98331.577
PF623	0.0	0.450	450	6.117	5.000	1.017	488802.449	98329.706
SVP95A	0.0	0.180	Type E	6.225	5.425	0.700	488802.222	98311.199
DC95B	0.0	0.180	Type E	6.225	5.425	0.700	488801.845	98313.972
PF645	0.0	0.450	450	6.221	5.100	1.021	488801.130	98315.580
SVP96A	0.0	0.180	Type E	6.225	5.425	0.700	488811.359	98315.666
DC96B	0.0	0.180	Type E	6.225	5.425	0.700	488809.403	98317.667
PF648	0.0	0.450	450	6.131	5.100	0.931	488809.482	98319.255
PF637	0.0	0.450	450	6.218	4.925	1.193	488807.332	98319.595
F67	10.0	1.350	Type C	6.033	4.600	1.333	488806.154	98323.474
SVP106A	0.0	0.180	Type E	5.850	5.050	0.700	488813.470	98343.831
DC106A	0.0	0.180	Type E	5.850	5.050	0.700	488815.703	98342.144
PF600	0.0	0.450	450	5.843	4.850	0.893	488818.615	98340.941
SVP105A	0.0	0.180	Type E	5.850	5.050	0.700	488821.839	98349.610
SVP105B	0.0	0.180	Type E	5.850	5.050	0.700	488821.327	98345.784
DC105A	0.0	0.180	Type E	5.850	5.050	0.700	488822.626	98346.924
PF624	0.0	0.450	450	5.738	4.850	0.788	488824.384	98346.025
PF593	0.0	0.450	450	5.750	4.700	0.950	488825.188	98344.903
F64	5.0	1.200	Type B	5.689	2.660	2.879	488833.956	98340.322
F65	2.0	1.200	Type A	5.726	2.450	3.126	488846.925	98320.630
DC68A	0.0	0.180	Type E	5.925	5.100	0.725	488863.842	98311.730
DC68C	0.0	0.180	Type E	5.925	5.100	0.725	488862.430	98310.553
PF729	0.0	0.450	450	5.911	5.000	0.811	488860.966	98309.837
F74	0.0	1.200	Type A	5.881	2.097	3.634	488852.978	98310.351
DC69B	0.0	0.180	Type E	6.000	5.200	0.700	488845.417	98299.287
DC69A	0.0	0.180	Type E	6.000	5.200	0.700	488845.587	98300.422
PF731	0.0	0.450	450	5.950	5.000	0.850	488849.741	98301.088
F53	0.0	1.200	Type A	5.958	1.592	4.141	488857.548	98298.439
F75	0.0	1.200	Type A	5.947	1.566	4.156	488856.277	98292.322
DC72A	0.0	0.180	Type E	6.000	5.200	0.700	488837.637	98292.085
DC72B	0.0	0.180	Type E	6.000	5.200	0.700	488837.017	98290.712
PF751	0.0	0.450	450	5.980	5.000	0.880	488840.207	98286.701
DC70A	0.0	0.180	Type E	6.000	5.200	0.700	488844.337	98298.147
DC70B	0.0	0.180	Type E	6.000	5.200	0.700	488843.717	98296.774
PF739	0.0	0.450	450	5.987	5.000	0.887	488846.750	98292.917
PF752	0.0	0.450	Unknown	5.969	4.650	1.219	488849.019	98289.752
F35	4.0	1.200	Type A	5.885	1.536	4.124	488851.974	98286.761
DC73A	0.0	0.180	Type E	6.050	5.200	0.750	488826.430	98283.759
DC73C	0.0	0.180	Type E	6.050	5.200	0.750	488827.915	98284.008
PF757	0.0	0.450	450	6.031	5.000	0.931	488831.265	98279.763
DC76A	0.0	0.180	Type E	6.050	5.200	0.750	488818.442	98278.552
DC76C	0.0	0.180	Type E	6.050	5.200	0.750	488817.614	98277.293
PF775	0.0	0.450	450	6.034	5.000	0.934	488820.146	98272.378
DC75A	0.0	0.180	Type E	6.050	5.200	0.750	488822.226	98281.019
DC75C	0.0	0.180	Type E	6.050	5.200	0.750	488821.399	98279.760
PF769	0.0	0.450	450	6.034	5.000	0.934	488824.126	98275.052
PF777	0.0	0.450	Unknown	5.938	4.600	1.238	488826.425	98271.818
F36	8.0	1.200	Type A	5.725	1.396	4.104	488828.174	98266.140
DC77B	0.0	0.180	Type E	6.150	5.350	0.700	488806.518	98272.055
DC77A	0.0	0.180	Type E	6.150	5.350	0.700	488808.025	98272.049
PF782	0.0	0.450	450	6.126	5.150	0.876	488810.756	98266.747
DC80B	0.0	0.180	Type E	6.150	5.350	0.700	488795.633	98268.284
SVP80A	0.0	0.180	Type E	6.150	5.350	0.700	488794.883	98265.620
PF800	0.0	0.450	450	6.077	5.200	0.777	488797.224	98261.596
PF802	0.0	0.450	450	6.135	4.900	1.135	488797.520	98260.586
F37	0.0	1.200	Type A	5.928	1.253	4.450	488799.752	98252.282
DC87A	0.0	0.180	Type E	6.200	5.400	0.700	488760.699	98270.000
DC87B	0.0	0.180	Type E	6.200	5.400	0.700	488762.704	98270.725
PF359	0.0	0.450	450	6.177	5.000	1.077	488763.807	98270.823
F34	7.0	1.200	Type B	6.177	4.500	1.527	488765.965	98269.437
F33	0.0	1.200	Type A	5.598	1.130	4.243	488780.119	98232.192
SVP125A	0.0	0.180	Type E	6.000	5.200	0.700	488745.307	98334.065
PF507	0.0	0.450	450	5.932	5.000	0.832	488750.577	98336.075
PF511	0.0	0.450	450	5.951	4.900	0.951	488749.480	98342.553
F25	5.0	1.350	Type C	5.757	4.500	1.107	488754.497	98344.646
DC127B	0.0	0.180	Type E	5.675	4.875	0.700	488740.987	98358.064
DC127A	0.0	0.180	Type E	5.675	4.875	0.700	488741.721	98356.748

Manhole Schedule

Manhole	Units	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
PF496	0.0	0.450	450	5.680	4.700	0.880	488746.427	98356.885
SVP127A	0.0	0.180	Type E	5.675	4.875	0.700	488741.587	98358.122
DC127C	0.0	0.180	Type E	5.675	4.875	0.700	488744.962	98357.472
PF477	0.0	0.450	450	5.683	4.700	0.883	488746.438	98358.283
PF481	0.0	0.450	450	5.693	4.600	0.993	488747.485	98358.568
SVP129A	0.0	0.180	Type E	5.675	4.875	0.700	488741.020	98363.930
DC129C	0.0	0.180	Type E	5.675	4.875	0.700	488744.206	98365.220
PF490	0.0	0.450	450	5.660	4.700	0.860	488745.778	98364.702
PF495	0.0	0.450	450	5.642	4.400	1.142	488746.822	98364.774
F26	0.0	1.350	Type C	5.475	4.200	1.125	488750.806	98366.740
SVP130A	0.0	0.180	Type E	5.775	4.975	0.700	488735.728	98386.638
FG130	0.0	0.180	Type E	5.775	4.975	0.700	488736.961	98385.733
PF464	0.0	0.450	450	5.739	4.800	0.839	488739.859	98385.765
DC130A	0.0	0.180	Type E	5.775	4.975	0.700	488740.068	98381.015
PF460	0.0	0.450	450	5.636	4.600	0.936	488741.851	98381.546
F30	4.0	1.350	Type C	5.448	4.000	1.298	488746.541	98382.943
DC1-4A	0.0	0.180	Type E	6.050	5.250	0.700	488735.377	98427.917
DC1-4B	0.0	0.180	Type E	6.050	5.250	0.700	488735.960	98427.967
SVP1-4A	0.0	0.180	Type E	6.050	5.250	0.700	488736.589	98428.021
PF149	0.0	0.450	450	5.876	4.900	0.876	488736.514	98428.916
PF150	0.0	0.450	450	5.956	4.800	1.056	488741.165	98429.274
SVP1-4B	0.0	0.180	Type E	6.050	5.250	0.700	488741.454	98420.423
F31	4.0	0.450	450	6.000	4.700	1.200	488743.598	98420.289
DC1-4C	0.0	0.180	Type E	6.050	5.250	0.700	488731.857	98421.605
SVP1-4C	0.0	0.180	Type E	6.050	5.250	0.700	488731.819	98420.132
PF35	0.0	0.450	450	5.861	4.900	0.861	488729.431	98419.935
PF36	0.0	0.450	450	5.972	4.800	1.072	488730.411	98413.053
F32	4.0	1.200	Unknown	5.907	4.300	1.457	488744.811	98406.935
F27	0.0	1.200	Type B	5.586	3.825	1.611	488740.027	98398.014
F28	5.0	1.200	Type B	5.454	3.350	1.954	488692.963	98391.644
SVP137A	0.0	0.180	Type E	5.550	4.750	0.700	488706.935	98370.289
DC137C	0.0	0.180	Type E	5.550	4.750	0.700	488703.765	98368.959
PF439	0.0	0.450	450	5.495	4.600	0.795	488701.649	98368.706
SVP138A	0.0	0.180	Type E	5.550	4.750	0.700	488707.870	98361.805
DC138C	0.0	0.180	Type E	5.550	4.750	0.700	488704.486	98362.413
PF445	0.0	0.450	450	5.495	4.600	0.795	488702.936	98362.242
PF450	0.0	0.450	450	5.539	4.500	0.939	488700.843	98363.365
F29	3.0	1.200	Type B	5.398	3.000	2.248	488697.437	98362.555
DC139A	0.0	0.180	Type E	5.800	5.000	0.700	488707.783	98352.814
PF423	0.0	0.450	450	5.729	4.800	0.829	488701.581	98352.208
DC141A	0.0	0.180	Type E	5.800	5.000	0.700	488709.174	98345.708
DC141B	0.0	0.180	Type E	5.800	5.000	0.700	488708.727	98344.270
PF425	0.0	0.450	450	5.780	4.800	0.880	488703.277	98343.196
SVP140B	0.0	0.180	Type E	5.800	5.000	0.700	488707.886	98346.063
SVP140A	0.0	0.180	Type E	5.800	5.000	0.700	488704.760	98348.335
DC140C	0.0	0.180	Type E	5.800	5.000	0.700	488705.148	98346.650
PF434	0.0	0.450	450	5.782	4.800	0.882	488703.348	98346.498
PF437	0.0	0.450	450	5.759	4.500	1.159	488701.649	98346.291
F17	185.0	1.200	Type A	5.672	2.425	3.022	488685.367	98351.337
F19	2.0	1.200	Type A	5.578	2.325	3.028	488695.075	98343.656
SVP142A	0.0	0.180	Type E	5.925	5.125	0.700	488711.060	98332.041
SVP142B	0.0	0.180	Type E	5.925	5.125	0.700	488708.282	98329.360
DC142A	0.0	0.180	Type E	5.925	5.125	0.700	488708.459	98331.055
PF406	0.0	0.450	450	5.842	4.900	0.842	488706.632	98331.120
F20	0.0	1.200	Type A	5.704	2.200	3.279	488699.682	98328.408
DC112C	0.0	0.180	Type E	6.375	5.600	0.675	488771.390	98327.857
DC112A	0.0	0.180	Type E	6.375	5.600	0.675	488770.305	98328.902
PF513	0.0	0.450	450	6.362	5.400	0.862	488765.914	98327.642
F22	5.0	1.350	Type C	6.034	4.650	1.234	488760.095	98324.389
F23	8.0	1.200	Type B	6.313	4.300	1.863	488766.153	98307.295
SVP121C	0.0	0.180	Type E	6.375	5.600	0.675	488746.699	98315.768
SVP121D	0.0	0.180	Type E	6.375	5.600	0.675	488752.735	98317.913
DC121D	0.0	0.180	Type E	6.375	5.600	0.675	488753.356	98315.614
PF395	0.0	0.450	450	6.230	5.400	0.730	488755.109	98316.166
PF396	0.0	0.450	450	6.337	5.200	1.037	488757.397	98308.957
FYG121	0.0	0.180	Type E	6.086	5.514	0.472	488731.729	98315.599
PF804	0.0	0.450	450	6.273	5.250	0.923	488740.508	98312.755
PF397	0.0	0.450	450	6.300	5.000	1.200	488743.947	98303.852

Manhole Schedule

Manhole	Units	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
SVP88A	0.0	0.180	Type E	6.415	5.600	0.715	488737.916	98282.833
PF349	0.0	0.450	450	6.338	5.400	0.838	488736.600	98288.410
SVP91A	0.0	0.180	Type E	6.415	5.600	0.715	488755.571	98287.394
PF344	0.0	0.450	450	6.373	5.400	0.873	488751.457	98293.394
DC90A	0.0	0.180	Type E	6.415	5.600	0.715	488750.387	98286.734
DC90B	0.0	0.180	Type E	6.415	5.600	0.715	488748.883	98286.827
DC90C	0.0	0.180	Type E	6.415	5.600	0.715	488748.136	98290.064
PF356	0.0	0.450	450	6.383	5.400	0.883	488747.839	98291.138
SVP90A	0.0	0.180	Type E	6.415	5.600	0.715	488750.180	98287.300
PF357	0.0	0.450	450	6.366	5.400	0.866	488748.485	98291.318
PF342	0.0	1.200	Type E	6.403	5.000	1.303	488747.441	98292.257
F1	4.0	1.200	Type B	6.159	4.000	2.009	488744.837	98298.401
SVP147A	0.0	0.180	Type E	6.175	5.375	0.700	488729.230	98302.953
PF336	0.0	0.450	450	6.137	5.200	0.837	488730.562	98297.845
SVP144A	0.0	0.180	Type E	6.175	5.375	0.700	488711.026	98298.122
DC144B	0.0	0.180	Type E	6.175	5.375	0.700	488713.259	98299.291
DC144A	0.0	0.180	Type E	6.175	5.375	0.700	488714.769	98299.633
DC144C	0.0	0.180	Type E	6.175	5.375	0.700	488715.488	98296.147
PF323	0.0	0.450	450	6.074	5.200	0.774	488715.239	98294.620
PF337	0.0	0.450	450	6.063	4.900	1.063	488715.197	98293.698
F2	0.0	1.200	Type B	5.912	3.700	2.062	488715.347	98288.201
F3	5.0	1.200	Type A	5.741	1.775	3.666	488698.852	98282.866
SVP153C	0.0	0.180	Type E	5.750	4.950	0.700	488736.609	98231.536
DC153F	0.0	0.180	Type E	5.750	4.950	0.700	488735.303	98230.724
PF297	0.0	0.450	450	5.681	4.800	0.781	488732.464	98235.604
DC153D	0.0	0.180	Type E	5.750	4.950	0.700	488730.949	98230.458
DC153C	0.0	0.180	Type E	5.750	4.950	0.700	488727.345	98236.979
PF300	0.0	0.450	450	5.694	4.700	0.894	488730.218	98238.095
PF306	0.0	0.450	450	5.608	4.600	0.908	488726.997	98245.104
SVP151A	0.0	0.180	Type E	5.850	5.050	0.700	488719.254	98255.813
DC151C	0.0	0.180	Type E	5.850	5.050	0.700	488716.558	98253.678
PF285	0.0	0.450	450	5.725	4.900	0.725	488714.944	98253.624
SVP152A	0.0	0.180	Type E	5.850	5.050	0.700	488722.437	98247.893
PF308	0.0	0.450	450	5.781	4.600	1.081	488717.243	98246.219
PF307	0.0	0.450	450	5.695	4.400	1.195	488718.649	98241.615
F4	6.0	1.200	Type A	5.443	1.575	3.568	488707.046	98237.574
F15	65.0	1.200	Type B	5.232	2.125	2.882	488683.711	98193.058
F16	0.0	1.350	Type A	5.378	2.025	3.128	488686.357	98200.349
DC153G	0.0	0.180	Type E	5.750	4.950	0.700	488730.747	98229.480
SVP153D	0.0	0.180	Type E	5.750	4.950	0.700	488730.531	98229.958
PF313	0.0	0.450	450	5.726	4.700	0.926	488722.363	98226.097
DC153I	0.0	0.180	Type E	5.750	4.950	0.700	488727.768	98222.232
PF318	0.0	0.450	450	5.661	4.500	1.061	488724.210	98220.773
F5	0.0	1.200	Type A	5.303	1.250	3.753	488715.568	98213.625
F21	0.0	1.200	Type A	5.423	0.763	4.360	488722.038	98201.646
F6	0.0	1.200	Type A	5.403	0.675	4.428	488726.886	98194.477
F7	0.0	1.200	Type A	5.505	0.530	4.675	488737.900	98184.497
F9	192.0	1.350	Type A	5.214	0.800	4.114	488702.309	98053.120
F10	90.0	1.350	Type B	6.252	4.000	2.102	488869.626	98145.717
F11	0.0	1.200	Type B	6.259	3.700	2.409	488866.041	98137.476
F12	0.0	1.200	Type B	6.247	3.400	2.697	488830.163	98152.121
F13	0.0	1.200	Type A	5.654	0.300	5.054	488757.726	98175.813
F14	0.0	1.200	Type A	5.865	0.200	5.365	488760.701	98185.046

Pipe Schedule

Pipe Number	US Manhole	US IL (m)	DS Manhole	DS IL (m)	Shape	Dimension (m)	Length (m)	Gradient (1:x)	Roughness (mm)	US Depth To Soffit (m)	DS Depth To Soffit (m)
1.000	SVP12A	5.000	PF25	4.800	Circ	0.1mØ	7.502	37.5	1.500	0.700	0.858
2.000	DC12C	5.000	PF25	4.800	Circ	0.1mØ	1.458	7.3	1.500	0.700	0.858
1.001	PF25	4.800	PF24	4.675	Circ	0.1mØ	9.530	76.2	1.500	0.858	1.001
3.000	SVP10A	5.000	PF66	4.800	Circ	0.1mØ	3.822	19.1	1.500	0.700	0.833
4.000	DC10C	5.000	PF66	4.800	Circ	0.1mØ	1.059	5.3	1.500	0.700	0.833
3.001	PF66	4.800	PF24	4.675	Circ	0.1mØ	1.653	13.2	1.500	0.833	1.001
5.000	SVP10B	5.000	PF24	4.675	Circ	0.1mØ	1.424	4.4	1.500	0.700	1.001
1.002	PF24	4.675	F55	4.525	Circ	0.1mØ	11.719	78.1	1.500	1.001	1.003

Pipe Schedule

Pipe Number	US Manhole	US IL (m)	DS Manhole	DS IL (m)	Shape	Dimension (m)	Length (m)	Gradient (1:x)	Roughness (mm)	US Depth To Soffit (m)	DS Depth To Soffit (m)
6.000	SVP13A	5.150	PF88	4.950	Circ	0.1mØ	7.511	37.6	1.500	0.700	0.857
7.000	DC13A	5.150	PF88	4.950	Circ	0.1mØ	1.437	7.2	1.500	0.700	0.857
6.001	PF88	4.950	PF87	4.800	Circ	0.1mØ	9.374	62.5	1.500	0.857	1.020
8.000	SVP15A	5.150	SVP129	5.000	Circ	0.1mØ	4.224	28.2	1.500	0.700	0.797
9.000	DC15A	5.150	PF129	5.000	Circ	0.1mØ	1.463	9.8	1.500	0.700	0.797
8.001	PF129	5.000	PF87	4.800	Circ	0.1mØ	1.510	7.6	1.500	0.797	1.020
10.000	SVP15B	5.150	PF87	4.800	Circ	0.1mØ	1.395	4.0	1.500	0.700	1.020
6.002	PF87	4.800	F55	4.525	Circ	0.1mØ	8.512	31.0	1.500	1.020	1.003
1.003	F55	4.525	F71	4.350	Circ	0.1mØ	12.221	69.8	1.500	1.003	1.052
11.000	SVP9A	4.925	PF46	4.800	Circ	0.1mØ	5.107	40.9	1.500	0.690	0.809
12.000	DC9A	4.925	PF46	4.800	Circ	0.1mØ	2.470	19.8	1.500	0.690	0.809
13.000	SVP9B	4.925	PF46	4.800	Circ	0.1mØ	1.495	12.0	1.500	0.690	0.809
11.001	PF46	4.800	PF45	4.700	Circ	0.1mØ	4.954	49.5	1.500	0.809	0.879
14.000	SVP8A	4.925	PF44	4.800	Circ	0.1mØ	4.490	35.9	1.500	0.690	0.743
15.000	DC8A	4.925	PF44	4.800	Circ	0.1mØ	1.720	13.8	1.500	0.690	0.743
14.001	PF44	4.800	PF45	4.700	Circ	0.1mØ	1.510	15.1	1.500	0.743	0.879
16.000	SVP8B	4.925	PF45	4.700	Circ	0.1mØ	1.530	6.8	1.500	0.690	0.879
11.002	PF45	4.700	F71	4.350	Circ	0.1mØ	11.704	33.4	1.500	0.879	1.052
17.000	SVP16A	5.050	PF75	4.900	Circ	0.1mØ	4.429	29.5	1.500	0.700	0.855
18.000	DC16B	5.050	PF75	4.900	Circ	0.1mØ	1.666	11.1	1.500	0.700	0.855
17.001	PF75	4.900	PF67	4.800	Circ	0.1mØ	6.719	67.2	1.500	0.855	0.922
19.000	SVP17A	5.050	PF68	4.900	Circ	0.1mØ	4.476	29.8	1.500	0.700	0.792
20.000	DC17A	5.050	PF68	4.900	Circ	0.1mØ	1.702	11.3	1.500	0.700	0.792
19.001	PF68	4.900	PF67	4.800	Circ	0.1mØ	1.417	14.2	1.500	0.792	0.922
21.000	SVP17B	5.050	PF67	4.800	Circ	0.1mØ	1.471	5.9	1.500	0.700	0.922
17.002	PF67	4.800	F71	4.350	Circ	0.1mØ	8.487	18.9	1.500	0.922	1.052
1.004	F71	4.350	F40	4.150	Circ	0.1mØ	14.829	74.1	1.500	1.052	0.985
22.000	SVP5A	4.925	PF7	4.750	Circ	0.1mØ	6.851	39.1	1.500	0.700	0.520
23.000	DC5A	4.925	PF7	4.750	Circ	0.1mØ	6.218	35.5	1.500	0.700	0.520
22.001	PF7	4.750	F38	4.620	Circ	0.1mØ	8.855	68.1	1.500	0.520	0.680
24.000	SVP6B	4.925	PF10	4.750	Circ	0.1mØ	2.787	15.9	1.500	0.700	0.827
25.000	DC6B	4.925	PF10	4.750	Circ	0.1mØ	1.261	7.2	1.500	0.700	0.827
24.001	PF10	4.750	F38	4.620	Circ	0.1mØ	3.919	30.1	1.500	0.827	0.680
22.002	F38	4.620	F39	4.305	Circ	0.1mØ	25.203	80.0	1.500	0.680	1.065
22.003	F39	4.305	F40	4.150	Circ	0.1mØ	12.356	79.7	1.500	1.065	0.985
1.005	F40	4.100	F73	3.946	Circ	0.15mØ	18.242	118.2	1.500	0.985	1.158
1.006	F73	3.946	F41	3.731	Circ	0.15mØ	25.317	118.2	1.500	1.158	1.540
26.000	DC19A	4.900	PF90	4.700	Circ	0.1mØ	5.219	26.1	1.500	0.700	0.893
27.000	DC19C	4.900	PF90	4.700	Circ	0.1mØ	4.397	22.0	1.500	0.700	0.893
26.001	PF90	4.700	PF96	4.600	Circ	0.1mØ	1.688	16.9	1.500	0.893	0.956
26.002	PF96	4.600	PF95	4.500	Circ	0.1mØ	5.740	57.4	1.500	0.956	1.068
26.003	PF95	4.500	F41	3.781	Circ	0.1mØ	8.162	11.4	1.500	1.068	1.540
1.007	F41	3.731	F42	3.592	Circ	0.15mØ	18.571	133.0	1.500	1.540	1.801
28.000	SVP22A	4.900	PF99	4.700	Circ	0.1mØ	5.422	27.1	1.500	0.700	0.856
29.000	DC22C	4.900	PF99	4.700	Circ	0.1mØ	2.705	13.5	1.500	0.700	0.856
30.000	SVP22B	4.900	PF99	4.700	Circ	0.1mØ	1.932	9.7	1.500	0.700	0.856
28.001	PF99	4.700	PF104	4.600	Circ	0.1mØ	5.175	51.7	1.500	0.856	0.949
28.002	PF104	4.600	F42	3.642	Circ	0.1mØ	5.717	6.0	1.500	0.949	1.801
1.008	F42	3.592	F43	3.473	Circ	0.15mØ	15.820	133.0	1.500	1.801	2.020
31.000	SVP24A	5.050	PF108	4.900	Circ	0.1mØ	5.402	36.0	1.500	0.700	0.781
32.000	DC24A	5.050	PF108	4.900	Circ	0.1mØ	2.676	17.8	1.500	0.700	0.781
33.000	SVP24B	5.050	PF108	4.900	Circ	0.1mØ	1.937	12.9	1.500	0.700	0.781
31.001	PF108	4.900	PF109	4.800	Circ	0.1mØ	5.191	51.9	1.500	0.781	0.897
31.002	PF109	4.800	F43	3.523	Circ	0.1mØ	5.652	4.4	1.500	0.897	2.020
1.009	F43	3.473	F44	3.310	Circ	0.15mØ	21.592	133.0	1.500	2.020	2.321
34.000	DC26A	5.200	PF125	5.100	Circ	0.1mØ	2.678	26.8	1.500	0.700	0.770
35.000	DC26B	5.200	PF125	5.100	Circ	0.1mØ	1.162	11.6	1.500	0.700	0.770
34.001	PF125	5.100	PF117	5.000	Circ	0.1mØ	3.290	32.9	1.500	0.770	0.833
36.000	SVP26A	5.200	PF117	5.000	Circ	0.1mØ	2.572	12.9	1.500	0.700	0.833
37.000	DC26C	5.200	PF117	5.000	Circ	0.1mØ	2.100	10.5	1.500	0.700	0.833
34.002	PF117	5.000	PF118	4.800	Circ	0.1mØ	7.465	37.3	1.500	0.833	1.061
34.003	PF118	4.800	F44	3.360	Circ	0.1mØ	7.212	5.0	1.500	1.061	2.321
1.010	F44	3.310	F45	3.072	Circ	0.15mØ	31.656	133.0	1.500	2.321	2.752
1.011	F45	3.072	F72	3.033	Circ	0.15mØ	5.635	144.3	1.500	2.752	2.785
1.012	F72	3.033	F46	2.994	Circ	0.15mØ	5.709	144.3	1.500	2.785	2.818
38.000	SVP29A	5.350	PF139	5.200	Circ	0.1mØ	5.617	37.4	1.500	0.700	0.732
38.001	PF139	5.200	PF144	4.900	Circ	0.1mØ	17.698	59.0	1.500	0.732	1.014
39.000	DC32B	5.350	PF146	5.200	Circ	0.1mØ	4.039	26.9	1.500	0.700	0.804

Pipe Schedule

Pipe Number	US Manhole	US IL (m)	DS Manhole	DS IL (m)	Shape	Dimension (m)	Length (m)	Gradient (1:x)	Roughness (mm)	US Depth To Soffit (m)	DS Depth To Soffit (m)
40.000	DC32A	5.350	PF146	5.200	Circ	0.1mØ	3.646	24.3	1.500	0.700	0.804
41.000	SVP32A	5.350	PF146	5.200	Circ	0.1mØ	1.102	7.3	1.500	0.700	0.804
39.001	PF146	5.200	PF144	4.900	Circ	0.1mØ	4.651	15.5	1.500	0.804	1.014
38.002	PF144	4.900	PF526	4.750	Circ	0.1mØ	6.089	40.6	1.500	1.014	1.200
38.003	PF526	4.750	F46	4.490	Circ	0.1mØ	3.060	11.8	1.500	1.200	1.371
1.013	F46	2.994	F47	2.663	Circ	0.15mØ	43.985	133.0	1.500	2.818	2.786
1.014	F47	2.663	F48	2.586	Circ	0.15mØ	10.283	133.0	1.500	2.786	2.818
42.000	SVP41A	5.175	PF217	5.050	Circ	0.1mØ	4.750	38.0	1.500	0.900	0.977
43.000	DC41A	5.175	PF217	5.050	Circ	0.1mØ	2.009	16.1	1.500	0.900	0.977
42.001	PF217	5.050	PF214	4.950	Circ	0.1mØ	6.880	68.8	1.500	0.977	1.064
44.000	SVP40A	5.175	PF214	4.950	Circ	0.1mØ	5.299	23.5	1.500	0.900	1.064
45.000	DC40A	5.175	PF214	4.950	Circ	0.1mØ	2.567	11.4	1.500	0.900	1.064
42.002	PF214	4.950	F68	4.300	Circ	0.1mØ	3.562	5.5	1.500	1.064	1.555
42.003	F68	4.300	F69	4.100	Circ	0.1mØ	18.437	92.2	1.500	1.555	1.632
46.000	SVP39A	5.200	PF210	4.800	Circ	0.1mØ	4.796	12.0	1.500	0.700	1.093
46.001	PF210	4.800	PF208	4.700	Circ	0.1mØ	8.700	87.0	1.500	1.093	1.129
47.000	SVP38A	5.200	PF208	4.700	Circ	0.1mØ	4.691	9.4	1.500	0.700	1.129
48.000	DC38A	5.200	PF208	4.700	Circ	0.1mØ	2.023	4.0	1.500	0.700	1.129
46.002	PF208	4.700	F69	4.100	Circ	0.1mØ	3.642	6.1	1.500	1.129	1.632
42.004	F69	4.100	F70	3.700	Circ	0.1mØ	16.846	42.1	1.500	1.632	1.882
49.000	DC53O	5.100	PF271	4.900	Circ	0.1mØ	5.363	26.8	1.500	0.750	0.795
49.001	PF271	4.900	PF248	4.775	Circ	0.1mØ	8.864	70.9	1.500	0.795	0.963
50.000	DC53I	5.100	PF248	4.775	Circ	0.1mØ	6.405	19.7	1.500	0.750	0.963
49.002	PF248	4.775	PF237	4.650	Circ	0.1mØ	7.550	60.4	1.500	0.963	1.087
49.003	PF237	4.650	PF238	4.500	Circ	0.1mØ	9.962	66.4	1.500	1.087	1.200
49.004	PF238	4.500	PF239	4.400	Circ	0.1mØ	6.296	63.0	1.500	1.200	1.428
51.000	SVP53C	5.100	PF240	4.900	Circ	0.1mØ	1.366	6.8	1.500	0.750	0.752
51.001	PF240	4.900	PF239	4.400	Circ	0.1mØ	14.328	28.7	1.500	0.752	1.428
49.005	PF239	4.400	F70	3.700	Circ	0.1mØ	5.922	8.5	1.500	1.428	1.882
52.000	SVP37A	5.050	PF212	4.800	Circ	0.1mØ	4.798	19.2	1.500	0.700	0.941
52.001	PF212	4.800	PF206	4.450	Circ	0.1mØ	8.848	25.3	1.500	0.941	1.225
53.000	SVP36A	5.050	PF206	4.450	Circ	0.1mØ	4.756	7.9	1.500	0.700	1.225
54.000	DC36A	5.050	PF206	4.450	Circ	0.1mØ	2.128	3.5	1.500	0.700	1.225
52.002	PF206	4.450	F70	3.700	Circ	0.1mØ	3.547	4.7	1.500	1.225	1.882
42.005	F70	3.700	F48	2.636	Circ	0.1mØ	19.681	18.5	1.500	1.882	2.818
55.000	DC33A	4.900	PF166	4.800	Circ	0.1mØ	1.477	14.8	1.500	0.700	0.641
55.001	PF166	4.800	PF167	4.700	Circ	0.1mØ	4.971	49.7	1.500	0.641	0.985
55.002	PF167	4.700	PF164	4.300	Circ	0.1mØ	11.989	30.0	1.500	0.985	1.212
56.000	DC35B	4.900	PF160	4.600	Circ	0.1mØ	3.447	11.5	1.500	0.700	0.995
57.000	DC35A	4.900	PF160	4.600	Circ	0.1mØ	1.917	6.4	1.500	0.700	0.995
56.001	PF160	4.600	PF164	4.300	Circ	0.1mØ	11.963	39.9	1.500	0.995	1.212
55.003	PF164	4.300	F48	4.080	Circ	0.1mØ	3.455	15.7	1.500	1.212	1.374
1.015	F48	2.586	F49	2.340	Circ	0.15mØ	32.731	133.0	1.500	2.818	3.190
1.016	F49	2.340	F50	2.238	Circ	0.15mØ	13.497	133.0	1.500	3.190	3.397
1.017	F50	2.238	F51	2.064	Circ	0.15mØ	23.168	133.0	1.500	3.397	3.591
58.000	SVP65A	5.100	PF713	4.900	Circ	0.1mØ	4.620	23.1	1.500	0.700	0.872
59.000	DC65C	5.100	PF713	4.900	Circ	0.1mØ	1.426	7.1	1.500	0.700	0.872
58.001	PF713	4.900	F51	3.610	Circ	0.1mØ	2.484	1.9	1.500	0.872	2.095
1.018	F51	2.064	F52	1.865	Circ	0.15mØ	26.468	133.0	1.500	3.591	3.589
60.000	SVP67A	5.100	PF724	4.900	Circ	0.1mØ	6.663	33.3	1.500	0.725	0.825
61.000	DC66A	5.100	PF724	4.900	Circ	0.1mØ	6.433	32.2	1.500	0.725	0.825
60.001	PF724	4.900	F52	3.360	Circ	0.1mØ	5.290	3.4	1.500	0.825	2.144
1.019	F52	1.865	F53	1.721	Circ	0.15mØ	18.713	129.8	1.500	3.589	4.087
62.000	SVP113A	4.700	PF561	4.500	Circ	0.1mØ	6.446	32.2	1.500	0.730	1.050
63.000	DC113C	4.700	PF561	4.500	Circ	0.1mØ	3.061	15.3	1.500	0.730	1.050
62.001	PF561	4.500	F56	3.950	Circ	0.1mØ	11.146	20.3	1.500	1.050	1.389
64.000	SVP116A	4.700	PF579	4.526	Circ	0.1mØ	4.735	27.2	1.500	0.730	0.895
65.000	DC116C	4.700	PF579	4.526	Circ	0.1mØ	1.770	10.2	1.500	0.730	0.895
64.001	PF579	4.526	F56	3.950	Circ	0.1mØ	2.602	4.5	1.500	0.895	1.389
62.002	F56	3.950	F57	3.650	Circ	0.1mØ	23.067	77.0	1.500	1.389	1.715
66.000	DC118A	4.700	PF559	4.500	Circ	0.1mØ	5.973	29.9	1.500	0.725	0.921
67.000	DC118B	4.700	PF559	4.500	Circ	0.1mØ	5.110	25.6	1.500	0.725	0.921
66.001	PF559	4.500	PF553	4.400	Circ	0.1mØ	4.506	45.1	1.500	0.921	1.031
68.000	DC117A	4.700	PF553	4.400	Circ	0.1mØ	6.766	22.6	1.500	0.725	1.031
69.000	DC117B	4.700	PF553	4.400	Circ	0.1mØ	5.921	19.7	1.500	0.725	1.031
66.002	PF553	4.400	F57	3.650	Circ	0.1mØ	2.628	3.5	1.500	1.031	1.715
62.003	F57	3.650	F58	3.491	Circ	0.1mØ	12.289	77.0	1.500	1.715	1.794
70.000	DC119A	4.700	PF547	4.500	Circ	0.1mØ	5.976	29.9	1.500	0.725	0.893

Pipe Schedule

Pipe Number	US Manhole	US IL (m)	DS Manhole	DS IL (m)	Shape	Dimension (m)	Length (m)	Gradient (1:x)	Roughness (mm)	US Depth To Soffit (m)	DS Depth To Soffit (m)
71.000	DC119B	4.700	PF547	4.500	Circ	0.1mØ	5.138	25.7	1.500	0.725	0.893
70.001	PF547	4.500	PF541	4.200	Circ	0.1mØ	2.966	9.9	1.500	0.893	1.152
72.000	DC120B	4.700	PF541	4.200	Circ	0.1mØ	5.645	11.3	1.500	0.725	1.152
73.000	DC120C	4.700	PF541	4.200	Circ	0.1mØ	2.157	4.3	1.500	0.725	1.152
70.002	PF541	4.200	F58	3.491	Circ	0.1mØ	2.558	3.6	1.500	1.152	1.794
62.004	F58	3.491	F59	3.330	Circ	0.1mØ	12.226	76.0	1.500	1.794	1.961
62.005	F59	3.330	F60	3.169	Circ	0.15mØ	21.432	133.0	1.500	1.911	2.220
74.000	SVP46A	4.900	PF171	4.700	Circ	0.1mØ	4.632	23.2	1.500	0.700	0.884
75.000	DC46A	4.900	PF171	4.700	Circ	0.1mØ	2.064	10.3	1.500	0.700	0.884
76.000	SVP46B	4.900	PF171	4.700	Circ	0.1mØ	1.009	5.0	1.500	0.700	0.884
74.001	PF171	4.700	PF184	4.600	Circ	0.1mØ	5.254	52.5	1.500	0.884	1.027
77.000	SVP45A	4.900	PF175	4.700	Circ	0.1mØ	4.444	22.2	1.500	0.700	0.834
78.000	DC45A	4.900	PF175	4.700	Circ	0.1mØ	1.771	8.9	1.500	0.700	0.834
79.000	SVP45B	4.900	PF175	4.700	Circ	0.1mØ	1.122	5.6	1.500	0.700	0.834
77.001	PF175	4.700	PF184	4.600	Circ	0.1mØ	1.313	13.1	1.500	0.834	1.027
74.002	PF184	4.600	F60	3.219	Circ	0.1mØ	3.476	2.5	1.500	1.027	2.220
62.006	F60	3.169	F61	2.992	Circ	0.15mØ	23.555	133.0	1.500	2.220	2.548
80.000	DC44A	5.200	PF186	5.100	Circ	0.1mØ	3.274	32.7	1.500	0.700	0.753
81.000	DC44B	5.200	PF186	5.100	Circ	0.1mØ	1.732	17.3	1.500	0.700	0.753
80.001	PF186	5.100	PF204	4.900	Circ	0.1mØ	12.595	63.0	1.500	0.753	0.985
82.000	DC42A	5.200	PF192	5.100	Circ	0.1mØ	2.588	25.9	1.500	0.700	0.790
83.000	DC42B	5.200	PF192	5.100	Circ	0.1mØ	1.067	10.7	1.500	0.700	0.790
82.001	PF192	5.100	PF204	4.900	Circ	0.1mØ	2.180	10.9	1.500	0.790	0.985
80.002	PF204	4.900	F61	3.042	Circ	0.1mØ	11.973	6.4	1.500	0.985	2.548
62.007	F61	2.992	F62	2.888	Circ	0.15mØ	13.794	133.0	1.500	2.548	2.599
84.000	SVP47B	5.200	PF657	4.900	Circ	0.1mØ	5.129	17.1	1.500	0.775	0.990
85.000	DC47B	5.200	PF657	4.900	Circ	0.1mØ	4.013	13.4	1.500	0.775	0.990
84.001	PF657	4.900	F62	2.938	Circ	0.1mØ	9.802	5.0	1.500	0.990	2.599
62.008	F62	2.888	F63	2.786	Circ	0.15mØ	13.592	133.0	1.500	2.599	2.645
86.000	DC104B	4.850	PF590	4.650	Circ	0.1mØ	3.474	17.4	1.500	0.700	0.894
87.000	DC104C	4.850	PF590	4.650	Circ	0.1mØ	1.613	8.1	1.500	0.700	0.894
86.001	PF590	4.650	F63	2.836	Circ	0.1mØ	8.027	4.4	1.500	0.894	2.645
62.009	F63	2.786	F64	2.660	Circ	0.15mØ	16.579	131.7	1.500	2.645	2.879
88.000	SVP92A	5.700	PF685	5.500	Circ	0.1mØ	7.282	36.4	1.500	0.700	0.877
89.000	DC92A	5.700	PF685	5.500	Circ	0.1mØ	6.493	32.5	1.500	0.700	0.877
88.001	PF685	5.500	F66	4.994	Circ	0.1mØ	9.469	18.7	1.500	0.877	1.200
90.000	DC93B	5.700	PF678	5.500	Circ	0.1mØ	3.077	15.4	1.500	0.700	0.900
91.000	SVP93A	5.700	PF678	5.500	Circ	0.1mØ	2.128	10.6	1.500	0.700	0.900
92.000	DC93A	5.700	PF678	5.500	Circ	0.1mØ	1.548	7.7	1.500	0.700	0.900
90.001	PF678	5.500	F66	4.994	Circ	0.1mØ	5.175	10.2	1.500	0.900	1.200
88.002	F66	4.994	F67	4.600	Circ	0.1mØ	22.588	57.3	1.500	1.200	1.333
93.000	DC107B	5.350	PF607	5.100	Circ	0.1mØ	6.318	25.3	1.500	0.700	0.908
94.000	DC107A	5.350	PF607	5.100	Circ	0.1mØ	5.459	21.8	1.500	0.700	0.908
93.001	PF607	5.100	PF623	5.000	Circ	0.1mØ	6.982	69.8	1.500	0.908	1.017
95.000	DC109B	5.350	PF622	5.140	Circ	0.1mØ	5.793	27.6	1.500	0.700	0.900
96.000	DC109A	5.350	PF622	5.140	Circ	0.1mØ	4.980	23.7	1.500	0.700	0.900
95.001	PF622	5.140	PF623	5.000	Circ	0.1mØ	2.725	19.5	1.500	0.900	1.017
97.000	SVP109A	5.350	PF619	5.137	Circ	0.1mØ	4.942	23.1	1.500	0.700	0.900
98.000	DC109C	5.350	PF619	5.137	Circ	0.1mØ	1.914	9.0	1.500	0.700	0.900
97.001	PF619	5.137	PF623	5.000	Circ	0.1mØ	2.164	15.9	1.500	0.900	1.017
93.002	PF623	5.000	F67	4.600	Circ	0.1mØ	7.250	18.1	1.500	1.017	1.333
99.000	SVP95A	5.425	PF645	5.100	Circ	0.1mØ	4.514	13.9	1.500	0.700	1.021
100.000	DC95B	5.425	PF645	5.100	Circ	0.1mØ	1.759	5.4	1.500	0.700	1.021
99.001	PF645	5.100	PF637	4.925	Circ	0.1mØ	7.388	42.2	1.500	1.021	1.193
101.000	SVP96A	5.425	PF648	5.100	Circ	0.1mØ	4.051	12.5	1.500	0.700	0.931
102.000	DC96B	5.425	PF648	5.100	Circ	0.1mØ	1.591	4.9	1.500	0.700	0.931
101.001	PF648	5.100	PF637	4.925	Circ	0.1mØ	2.177	12.4	1.500	0.931	1.193
99.002	PF637	4.925	F67	4.600	Circ	0.1mØ	4.054	12.5	1.500	1.193	1.333
88.003	F67	4.600	F64	2.710	Circ	0.1mØ	32.509	17.2	1.500	1.333	2.879
103.000	SVP106A	5.050	PF600	4.850	Circ	0.1mØ	5.901	29.5	1.500	0.700	0.893
104.000	DC106A	5.050	PF600	4.850	Circ	0.1mØ	3.151	15.8	1.500	0.700	0.893
103.001	PF600	4.850	PF593	4.700	Circ	0.1mØ	7.675	51.2	1.500	0.893	0.950
105.000	SVP105A	5.050	PF624	4.850	Circ	0.1mØ	4.396	22.0	1.500	0.700	0.788
106.000	SVP105B	5.050	PF624	4.850	Circ	0.1mØ	3.066	15.3	1.500	0.700	0.788
107.000	DC105A	5.050	PF624	4.850	Circ	0.1mØ	1.975	9.9	1.500	0.700	0.788
105.001	PF624	4.850	PF593	4.700	Circ	0.1mØ	1.381	9.2	1.500	0.788	0.950
103.002	PF593	4.700	F64	2.710	Circ	0.1mØ	9.893	5.0	1.500	0.950	2.879
62.010	F64	2.660	F65	2.450	Circ	0.15mØ	23.579	112.3	1.500	2.879	3.126

Pipe Schedule

Pipe Number	US Manhole	US IL (m)	DS Manhole	DS IL (m)	Shape	Dimension (m)	Length (m)	Gradient (1:x)	Roughness (mm)	US Depth To Soffit (m)	DS Depth To Soffit (m)
62.011	F65	2.450	F74	2.097	Circ	0.15mØ	11.929	33.8	1.500	3.126	3.634
108.000	DC68A	5.100	PF729	5.000	Circ	0.1mØ	3.443	34.4	1.500	0.725	0.811
109.000	DC68C	5.100	PF729	5.000	Circ	0.1mØ	1.630	16.3	1.500	0.725	0.811
108.001	PF729	5.000	F74	2.147	Circ	0.1mØ	8.004	2.8	1.500	0.811	3.634
62.012	F74	2.097	F53	1.721	Circ	0.15mØ	12.758	33.9	1.500	3.634	4.087
110.000	DC69B	5.200	PF731	5.000	Circ	0.1mØ	4.683	23.4	1.500	0.700	0.850
111.000	DC69A	5.200	PF731	5.000	Circ	0.1mØ	4.207	21.0	1.500	0.700	0.850
110.001	PF731	5.000	F53	3.100	Circ	0.1mØ	8.244	4.3	1.500	0.850	2.758
1.020	F53	1.592	F75	1.566	Circ	0.225mØ	6.248	240.7	1.500	4.141	4.156
1.021	F75	1.566	F35	1.536	Circ	0.225mØ	7.032	232.8	1.500	4.156	4.124
112.000	DC72A	5.200	PF751	5.000	Circ	0.1mØ	5.966	29.8	1.500	0.700	0.880
113.000	DC72B	5.200	PF751	5.000	Circ	0.1mØ	5.124	25.6	1.500	0.700	0.880
112.001	PF751	5.000	PF752	4.650	Circ	0.1mØ	9.325	26.6	1.500	0.880	1.219
114.000	DC70A	5.200	PF739	5.000	Circ	0.1mØ	5.759	28.8	1.500	0.700	0.887
115.000	DC70B	5.200	PF739	5.000	Circ	0.1mØ	4.906	24.5	1.500	0.700	0.887
114.001	PF739	5.000	PF752	4.650	Circ	0.1mØ	3.895	11.1	1.500	0.887	1.219
112.002	PF752	4.650	F35	3.000	Circ	0.1mØ	4.205	2.5	1.500	1.219	2.785
1.022	F35	1.536	F36	1.396	Circ	0.225mØ	31.490	225.0	1.500	4.124	4.104
116.000	DC73A	5.200	PF757	5.000	Circ	0.1mØ	6.273	31.4	1.500	0.750	0.931
117.000	DC73C	5.200	PF757	5.000	Circ	0.1mØ	5.407	27.0	1.500	0.750	0.931
116.001	PF757	5.000	PF777	4.600	Circ	0.1mØ	9.303	23.3	1.500	0.931	1.238
118.000	DC76A	5.200	PF775	5.000	Circ	0.1mØ	6.405	32.0	1.500	0.750	0.934
119.000	DC76C	5.200	PF775	5.000	Circ	0.1mØ	5.529	27.6	1.500	0.750	0.934
118.001	PF775	5.000	PF777	4.600	Circ	0.1mØ	6.304	15.8	1.500	0.934	1.238
120.000	DC75A	5.200	PF769	5.000	Circ	0.1mØ	6.262	31.3	1.500	0.750	0.934
121.000	DC75C	5.200	PF769	5.000	Circ	0.1mØ	5.441	27.2	1.500	0.750	0.934
120.001	PF769	5.000	PF777	4.600	Circ	0.1mØ	3.968	9.9	1.500	0.934	1.238
116.002	PF777	4.600	F36	2.900	Circ	0.1mØ	5.941	3.5	1.500	1.238	2.725
1.023	F36	1.396	F37	1.253	Circ	0.225mØ	31.621	221.6	1.500	4.104	4.450
122.000	DC77B	5.350	PF782	5.150	Circ	0.1mØ	6.792	34.0	1.500	0.700	0.876
123.000	DC77A	5.350	PF782	5.150	Circ	0.1mØ	5.964	29.8	1.500	0.700	0.876
122.001	PF782	5.150	PF802	4.900	Circ	0.1mØ	14.599	58.4	1.500	0.876	1.135
124.000	DC80B	5.350	PF800	5.200	Circ	0.1mØ	6.875	45.8	1.500	0.700	0.777
125.000	SVP80A	5.350	PF800	5.200	Circ	0.1mØ	4.656	31.0	1.500	0.700	0.777
124.001	PF800	5.200	PF802	4.900	Circ	0.1mØ	1.053	3.5	1.500	0.777	1.135
122.002	PF802	4.900	F37	2.870	Circ	0.1mØ	8.598	4.2	1.500	1.135	2.958
1.024	F37	1.253	F33	1.130	Circ	0.225mØ	28.091	227.7	1.500	4.450	4.243
126.000	DC87A	5.400	PF359	5.000	Circ	0.1mØ	3.215	8.0	1.500	0.700	1.077
127.000	DC87B	5.400	PF359	5.000	Circ	0.1mØ	1.107	2.8	1.500	0.700	1.077
126.001	PF359	5.000	F34	4.550	Circ	0.1mØ	2.565	5.7	1.500	1.077	1.527
126.002	F34	4.500	F33	2.500	Circ	0.15mØ	39.845	19.9	1.500	1.527	2.948
1.025	F33	1.130	F21	0.838	Circ	0.225mØ	65.623	225.0	1.500	4.243	4.360
128.000	SVP125A	5.200	PF507	5.000	Circ	0.1mØ	5.640	28.2	1.500	0.700	0.832
128.001	PF507	5.000	PF511	4.900	Circ	0.1mØ	6.570	65.7	1.500	0.832	0.951
128.002	PF511	4.900	F25	4.550	Circ	0.1mØ	5.436	15.5	1.500	0.951	1.107
128.003	F25	4.500	F26	4.200	Circ	0.15mØ	22.400	74.7	1.500	1.107	1.125
129.000	DC127B	4.875	PF496	4.700	Circ	0.1mØ	5.566	31.8	1.500	0.700	0.880
130.000	DC127A	4.875	PF496	4.700	Circ	0.1mØ	4.708	26.9	1.500	0.700	0.880
129.001	PF496	4.700	PF481	4.600	Circ	0.1mØ	1.988	19.9	1.500	0.880	0.993
131.000	SVP127A	4.875	PF477	4.700	Circ	0.1mØ	4.854	27.7	1.500	0.700	0.883
132.000	DC127C	4.875	PF477	4.700	Circ	0.1mØ	1.683	9.6	1.500	0.700	0.883
131.001	PF477	4.700	PF481	4.600	Circ	0.1mØ	1.086	10.9	1.500	0.883	0.993
129.002	PF481	4.600	PF495	4.400	Circ	0.1mØ	6.242	31.2	1.500	0.993	1.142
133.000	SVP129A	4.875	PF490	4.700	Circ	0.1mØ	4.820	27.5	1.500	0.700	0.860
134.000	DC129C	4.875	PF490	4.700	Circ	0.1mØ	1.655	9.5	1.500	0.700	0.860
133.001	PF490	4.700	PF495	4.400	Circ	0.1mØ	1.047	3.5	1.500	0.860	1.142
129.003	PF495	4.400	F26	4.250	Circ	0.1mØ	4.443	29.6	1.500	1.142	1.125
128.004	F26	4.200	F30	4.000	Circ	0.15mØ	16.756	83.8	1.500	1.125	1.298
135.000	SVP130A	4.975	PF464	4.800	Circ	0.1mØ	4.222	24.1	1.500	0.700	0.839
136.000	FG130	4.975	PF464	4.800	Circ	0.1mØ	2.898	16.6	1.500	0.700	0.839
135.001	PF464	4.800	PF460	4.600	Circ	0.1mØ	4.666	23.3	1.500	0.839	0.936
137.000	DC130A	4.975	PF460	4.600	Circ	0.1mØ	1.860	5.0	1.500	0.700	0.936
135.002	PF460	4.600	F30	4.050	Circ	0.1mØ	4.894	8.9	1.500	0.936	1.298
128.005	F30	4.000	F27	3.825	Circ	0.15mØ	16.419	93.8	1.500	1.298	1.611
138.000	DC1-4A	5.250	PF149	4.900	Circ	0.1mØ	1.513	4.3	1.500	0.700	0.876
139.000	DC1-4B	5.250	PF149	4.900	Circ	0.1mØ	1.098	3.1	1.500	0.700	0.876
140.000	SVP1-4A	5.250	PF149	4.900	Circ	0.1mØ	0.897	2.6	1.500	0.700	0.876
138.001	PF149	4.900	PF150	4.800	Circ	0.1mØ	4.665	46.7	1.500	0.876	1.056

Pipe Schedule

Pipe Number	US Manhole	US IL (m)	DS Manhole	DS IL (m)	Shape	Dimension (m)	Length (m)	Gradient (1:x)	Roughness (mm)	US Depth To Soffit (m)	DS Depth To Soffit (m)
138.002	PF150	4.800	F31	4.700	Circ	0.1mØ	9.308	93.1	1.500	1.056	1.200
141.000	SVP1-4B	5.250	F31	4.700	Circ	0.1mØ	2.148	3.9	1.500	0.700	1.200
138.003	F31	4.700	F32	4.350	Circ	0.1mØ	13.409	38.3	1.500	1.200	1.457
142.000	DC1-4C	5.250	PF35	4.900	Circ	0.1mØ	2.946	8.4	1.500	0.700	0.861
143.000	SVP1-4C	5.250	PF35	4.900	Circ	0.1mØ	2.396	6.8	1.500	0.700	0.861
142.001	PF35	4.900	PF36	4.800	Circ	0.1mØ	6.952	69.5	1.500	0.861	1.072
142.002	PF36	4.800	F32	4.350	Circ	0.1mØ	15.645	34.8	1.500	1.072	1.457
138.004	F32	4.300	F27	4.097	Circ	0.15mØ	10.123	50.0	1.500	1.457	1.339
128.006	F27	3.825	F28	3.350	Circ	0.15mØ	47.493	100.0	1.500	1.611	1.954
128.007	F28	3.350	F29	3.000	Circ	0.15mØ	29.431	84.1	1.500	1.954	2.248
144.000	SVP137A	4.750	PF439	4.600	Circ	0.1mØ	5.518	36.8	1.500	0.700	0.795
145.000	DC137C	4.750	PF439	4.600	Circ	0.1mØ	2.131	14.2	1.500	0.700	0.795
144.001	PF439	4.600	PF450	4.500	Circ	0.1mØ	5.401	54.0	1.500	0.795	0.939
146.000	SVP138A	4.750	PF445	4.600	Circ	0.1mØ	4.953	33.0	1.500	0.700	0.795
147.000	DC138C	4.750	PF445	4.600	Circ	0.1mØ	1.559	10.4	1.500	0.700	0.795
146.001	PF445	4.600	PF450	4.500	Circ	0.1mØ	2.376	23.8	1.500	0.795	0.939
144.002	PF450	4.500	F29	3.050	Circ	0.1mØ	3.501	2.4	1.500	0.939	2.248
128.008	F29	3.000	F19	2.400	Circ	0.15mØ	19.046	31.7	1.500	2.248	3.028
148.000	DC139A	5.000	PF423	4.800	Circ	0.1mØ	6.232	31.2	1.500	0.700	0.829
148.001	PF423	4.800	PF437	4.500	Circ	0.1mØ	5.917	19.7	1.500	0.829	1.159
149.000	DC141A	5.000	PF425	4.800	Circ	0.1mØ	6.410	32.1	1.500	0.700	0.880
150.000	DC141B	5.000	PF425	4.800	Circ	0.1mØ	5.555	27.8	1.500	0.700	0.880
149.001	PF425	4.800	PF437	4.500	Circ	0.1mØ	3.497	11.7	1.500	0.880	1.159
151.000	SVP140B	5.000	PF434	4.800	Circ	0.1mØ	4.559	22.8	1.500	0.700	0.882
152.000	SVP140A	5.000	PF434	4.800	Circ	0.1mØ	2.317	11.6	1.500	0.700	0.882
153.000	DC140C	5.000	PF434	4.800	Circ	0.1mØ	1.806	9.0	1.500	0.700	0.882
151.001	PF434	4.800	PF437	4.500	Circ	0.1mØ	1.711	5.7	1.500	0.882	1.159
148.002	PF437	4.500	F19	3.825	Circ	0.1mØ	7.083	10.5	1.500	1.159	1.653
154.000	F17	2.425	F19	2.325	Circ	0.225mØ	12.380	123.8	1.500	3.022	3.028
128.009	F19	2.325	F20	2.200	Circ	0.225mØ	15.929	127.4	1.500	3.028	3.279
155.000	SVP142A	5.125	PF406	4.900	Circ	0.1mØ	4.522	20.1	1.500	0.700	0.842
156.000	SVP142B	5.125	PF406	4.900	Circ	0.1mØ	2.413	10.7	1.500	0.700	0.842
157.000	DC142A	5.125	PF406	4.900	Circ	0.1mØ	1.828	8.1	1.500	0.700	0.842
155.001	PF406	4.900	F20	3.500	Circ	0.1mØ	7.461	5.3	1.500	0.842	2.104
128.010	F20	2.200	F3	1.850	Circ	0.225mØ	45.550	130.1	1.500	3.279	3.666
158.000	DC112C	5.600	PF513	5.400	Circ	0.1mØ	5.481	27.4	1.500	0.675	0.862
159.000	DC112A	5.600	PF513	5.400	Circ	0.1mØ	4.569	22.8	1.500	0.675	0.862
158.001	PF513	5.400	F22	4.700	Circ	0.1mØ	6.667	9.5	1.500	0.862	1.234
158.002	F22	4.650	F23	4.300	Circ	0.15mØ	18.136	51.8	1.500	1.234	1.863
158.003	F23	4.300	F1	4.000	Circ	0.15mØ	23.097	77.0	1.500	1.863	2.009
160.000	SVP121C	5.600	PF395	5.400	Circ	0.1mØ	8.420	42.1	1.500	0.675	0.730
161.000	SVP121D	5.600	PF395	5.400	Circ	0.1mØ	2.947	14.7	1.500	0.675	0.730
162.000	DC121D	5.600	PF395	5.400	Circ	0.1mØ	1.838	9.2	1.500	0.675	0.730
160.001	PF395	5.400	PF396	5.200	Circ	0.1mØ	7.563	37.8	1.500	0.730	1.037
160.002	PF396	5.200	PF397	5.000	Circ	0.1mØ	14.386	71.9	1.500	1.037	1.200
163.000	FYG121	5.514	PF804	5.250	Circ	0.1mØ	9.229	34.9	1.500	0.472	0.923
163.001	PF804	5.250	PF397	5.000	Circ	0.1mØ	9.544	38.2	1.500	0.923	1.200
160.003	PF397	5.000	F1	4.050	Circ	0.1mØ	5.524	5.8	1.500	1.200	2.009
164.000	SVP88A	5.600	PF349	5.400	Circ	0.1mØ	5.730	28.7	1.500	0.715	0.838
164.001	PF349	5.400	PF342	5.000	Circ	0.1mØ	11.504	28.8	1.500	0.838	1.303
165.000	SVP91A	5.600	PF344	5.400	Circ	0.1mØ	7.275	36.4	1.500	0.715	0.873
165.001	PF344	5.400	PF342	5.000	Circ	0.1mØ	4.174	10.4	1.500	0.873	1.303
166.000	DC90A	5.600	PF356	5.400	Circ	0.1mØ	5.088	25.4	1.500	0.715	0.883
167.000	DC90B	5.600	PF356	5.400	Circ	0.1mØ	4.435	22.2	1.500	0.715	0.883
168.000	DC90C	5.600	PF356	5.400	Circ	0.1mØ	1.114	5.6	1.500	0.715	0.883
166.001	PF356	5.400	PF342	5.000	Circ	0.1mØ	1.188	3.0	1.500	0.883	1.303
169.000	SVP90A	5.600	PF357	5.400	Circ	0.1mØ	4.361	21.8	1.500	0.715	0.866
169.001	PF357	5.400	PF342	5.000	Circ	0.1mØ	1.404	3.5	1.500	0.866	1.303
164.002	PF342	5.000	F1	4.050	Circ	0.1mØ	6.673	7.0	1.500	1.303	2.009
158.004	F1	4.000	F2	3.700	Circ	0.15mØ	31.204	104.0	1.500	2.009	2.062
170.000	SVP147A	5.375	PF336	5.200	Circ	0.1mØ	5.278	30.2	1.500	0.700	0.837
170.001	PF336	5.200	PF337	4.900	Circ	0.1mØ	15.915	53.1	1.500	0.837	1.063
171.000	SVP144A	5.375	PF323	5.200	Circ	0.1mØ	5.478	31.3	1.500	0.700	0.774
172.000	DC144B	5.375	PF323	5.200	Circ	0.1mØ	5.073	29.0	1.500	0.700	0.774
173.000	DC144A	5.375	PF323	5.200	Circ	0.1mØ	5.034	28.8	1.500	0.700	0.774
174.000	DC144C	5.375	PF323	5.200	Circ	0.1mØ	1.547	8.8	1.500	0.700	0.774
171.001	PF323	5.200	PF337	4.900	Circ	0.1mØ	0.923	3.1	1.500	0.774	1.063
170.002	PF337	4.900	F2	3.750	Circ	0.1mØ	5.499	4.8	1.500	1.063	2.062

Pipe Schedule

Pipe Number	US Manhole	US IL (m)	DS Manhole	DS IL (m)	Shape	Dimension (m)	Length (m)	Gradient (1:x)	Roughness (mm)	US Depth To Soffit (m)	DS Depth To Soffit (m)
158.005	F2	3.700	F3	1.925	Circ	0.15mØ	17.336	9.8	1.500	2.062	3.666
128.011	F3	1.775	F4	1.575	Circ	0.3mØ	46.027	230.1	1.500	3.666	3.568
175.000	SVP153C	4.950	PF297	4.800	Circ	0.1mØ	5.807	38.7	1.500	0.700	0.781
176.000	DC153F	4.950	PF297	4.800	Circ	0.1mØ	5.646	37.6	1.500	0.700	0.781
175.001	PF297	4.800	PF300	4.700	Circ	0.1mØ	3.354	33.5	1.500	0.781	0.894
177.000	DC153D	4.950	PF300	4.700	Circ	0.1mØ	7.671	30.7	1.500	0.700	0.894
178.000	DC153C	4.950	PF300	4.700	Circ	0.1mØ	3.082	12.3	1.500	0.700	0.894
175.002	PF300	4.700	PF306	4.600	Circ	0.1mØ	7.714	77.1	1.500	0.894	0.908
175.003	PF306	4.600	PF307	4.400	Circ	0.1mØ	9.047	45.2	1.500	0.908	1.195
179.000	SVP151A	5.050	PF285	4.900	Circ	0.1mØ	4.834	32.2	1.500	0.700	0.725
180.000	DC151C	5.050	PF285	4.900	Circ	0.1mØ	1.615	10.8	1.500	0.700	0.725
179.001	PF285	4.900	PF308	4.600	Circ	0.1mØ	7.753	25.8	1.500	0.725	1.081
181.000	SVP152A	5.050	PF308	4.600	Circ	0.1mØ	5.457	12.1	1.500	0.700	1.081
179.002	PF308	4.600	PF307	4.400	Circ	0.1mØ	4.814	24.1	1.500	1.081	1.195
175.004	PF307	4.400	F4	1.775	Circ	0.1mØ	12.287	4.7	1.500	1.195	3.568
128.012	F4	1.575	F5	1.250	Circ	0.3mØ	25.420	78.2	1.500	3.568	3.753
182.000	F15	2.125	F16	2.025	Circ	0.225mØ	7.756	77.6	1.500	2.882	3.128
182.001	F16	2.025	F5	1.325	Circ	0.225mØ	32.086	45.8	1.500	3.128	3.753
183.000	DC153G	4.950	PF313	4.700	Circ	0.1mØ	9.042	36.2	1.500	0.700	0.926
184.000	SVP153D	4.950	PF313	4.700	Circ	0.1mØ	9.035	36.1	1.500	0.700	0.926
183.001	PF313	4.700	PF318	4.500	Circ	0.1mØ	5.635	28.2	1.500	0.926	1.061
185.000	DC153I	4.950	PF318	4.500	Circ	0.1mØ	3.846	8.5	1.500	0.700	1.061
183.002	PF318	4.500	F5	1.450	Circ	0.1mØ	11.215	3.7	1.500	1.061	3.753
128.013	F5	1.250	F21	0.763	Circ	0.3mØ	13.615	28.0	1.500	3.753	4.360
1.026	F21	0.763	F6	0.675	Circ	0.3mØ	8.654	98.0	1.500	4.360	4.428
1.027	F6	0.675	F7	0.530	Circ	0.3mØ	14.863	102.5	1.500	4.428	4.675
1.028	F7	0.530	F13	0.300	Circ	0.3mØ	21.644	94.1	1.500	4.675	5.054
186.000	F9	0.800	F13	0.300	Circ	0.3mØ	134.628	269.3	1.500	4.114	5.054
187.000	F10	4.000	F11	3.700	Circ	0.15mØ	8.987	30.0	1.500	2.102	2.409
187.001	F11	3.700	F12	3.400	Circ	0.15mØ	38.752	129.2	1.500	2.409	2.697
187.002	F12	3.400	F13	2.129	Circ	0.15mØ	76.213	60.0	1.500	2.697	3.375
1.029	F13	0.300	F14	0.200	Circ	0.3mØ	9.701	97.0	1.500	5.054	5.365

Foul Calculation Results

Pipe Number	Accumulated Units	Flow Capacity (l/s)	Velocity @ Capacity (m/s)	Actual Flow, Q (l/s)	Actual Velocity (m/s)	Actual Depth (mm)	Velocity @ 1/3rd Q (m/s)
1.000	0.0	8.55	1.09	0.00	0.00	100	0.00
2.000	0.0	19.45	2.48	0.00	0.00	100	0.00
1.001	0.0	5.98	0.76	0.00	0.00	100	0.00
3.000	0.0	12.00	1.53	0.00	0.00	100	0.00
4.000	0.0	22.83	2.91	0.00	0.00	100	0.00
3.001	0.0	14.43	1.84	0.00	0.00	100	0.00
5.000	0.0	25.10	3.20	0.00	0.00	100	0.00
1.002	0.0	5.91	0.75	0.00	0.00	100	0.00
6.000	0.0	8.54	1.09	0.00	0.00	100	0.00
7.000	0.0	19.59	2.49	0.00	0.00	100	0.00
6.001	0.0	6.61	0.84	0.00	0.00	100	0.00
8.000	0.0	9.87	1.26	0.00	0.00	100	0.00
9.000	0.0	16.81	2.14	0.00	0.00	100	0.00
8.001	0.0	19.11	2.43	0.00	0.00	100	0.00
10.000	0.0	26.33	3.35	0.00	0.00	100	0.00
6.002	0.0	9.42	1.20	0.00	0.00	100	0.00
1.003	6.0	6.25	0.80	0.28	0.39	15	0.27
11.000	0.0	8.19	1.04	0.00	0.00	100	0.00
12.000	0.0	11.80	1.50	0.00	0.00	100	0.00
13.000	0.0	15.18	1.93	0.00	0.00	100	0.00
11.001	0.0	7.43	0.95	0.00	0.00	100	0.00
14.000	0.0	8.74	1.11	0.00	0.00	100	0.00
15.000	0.0	14.15	1.80	0.00	0.00	100	0.00
14.001	0.0	13.50	1.72	0.00	0.00	100	0.00
16.000	0.0	20.14	2.56	0.00	0.00	100	0.00
11.002	0.0	9.06	1.15	0.00	0.00	100	0.00
17.000	0.0	9.64	1.23	0.00	0.00	100	0.00
18.000	0.0	15.75	2.01	0.00	0.00	100	0.00
17.001	0.0	6.38	0.81	0.00	0.00	100	0.00

Foul Calculation Results

Pipe Number	Accumulated Units	Flow Capacity (l/s)	Velocity @ Capacity (m/s)	Actual Flow, Q (l/s)	Actual Velocity (m/s)	Actual Depth (mm)	Velocity @ 1/3rd Q (m/s)
19.000	0.0	9.59	1.22	0.00	0.00	100	0.00
20.000	0.0	15.58	1.98	0.00	0.00	100	0.00
19.001	0.0	13.94	1.77	0.00	0.00	100	0.00
21.000	0.0	21.66	2.76	0.00	0.00	100	0.00
17.002	0.0	12.08	1.54	0.00	0.00	100	0.00
1.004	12.0	6.07	0.77	0.56	0.47	21	0.33
22.000	0.0	8.37	1.07	0.00	0.00	100	0.00
23.000	0.0	8.78	1.12	0.00	0.00	100	0.00
22.001	0.0	6.33	0.81	0.00	0.00	100	0.00
24.000	0.0	13.15	1.67	0.00	0.00	100	0.00
25.000	0.0	19.56	2.49	0.00	0.00	100	0.00
24.001	0.0	9.54	1.21	0.00	0.00	100	0.00
22.002	2.0	5.84	0.74	0.09	0.26	9	0.18
22.003	2.0	5.85	0.74	0.09	0.26	9	0.18
1.005	16.0	14.22	0.80	0.74	0.42	24	0.29
1.006	19.0	14.22	0.80	0.88	0.44	26	0.31
26.000	0.0	10.26	1.31	0.00	0.00	100	0.00
27.000	0.0	11.18	1.42	0.00	0.00	100	0.00
26.001	0.0	12.77	1.63	0.00	0.00	100	0.00
26.002	0.0	6.90	0.88	0.00	0.00	100	0.00
26.003	0.0	15.57	1.98	0.00	0.00	100	0.00
1.007	21.0	13.40	0.76	0.97	0.44	28	0.31
28.000	0.0	10.06	1.28	0.00	0.00	100	0.00
29.000	0.0	14.27	1.82	0.00	0.00	100	0.00
30.000	0.0	16.89	2.15	0.00	0.00	100	0.00
28.001	0.0	7.27	0.93	0.00	0.00	100	0.00
28.002	0.0	21.51	2.74	0.00	0.00	100	0.00
1.008	23.0	13.40	0.76	1.06	0.45	29	0.32
31.000	0.0	8.73	1.11	0.00	0.00	100	0.00
32.000	0.0	12.42	1.58	0.00	0.00	100	0.00
33.000	0.0	14.60	1.86	0.00	0.00	100	0.00
31.001	0.0	7.26	0.92	0.00	0.00	100	0.00
31.002	0.0	24.98	3.18	0.00	0.00	100	0.00
1.009	26.0	13.40	0.76	1.20	0.47	31	0.33
34.000	0.0	10.13	1.29	0.00	0.00	100	0.00
35.000	0.0	15.40	1.96	0.00	0.00	100	0.00
34.001	0.0	9.13	1.16	0.00	0.00	100	0.00
36.000	0.0	14.63	1.86	0.00	0.00	100	0.00
37.000	0.0	16.20	2.06	0.00	0.00	100	0.00
34.002	0.0	8.57	1.09	0.00	0.00	100	0.00
34.003	0.0	23.47	2.99	0.00	0.00	100	0.00
1.010	26.0	13.40	0.76	1.20	0.47	31	0.33
1.011	26.0	12.86	0.73	1.20	0.45	31	0.32
1.012	30.0	12.86	0.73	1.39	0.47	33	0.34
38.000	0.0	8.56	1.09	0.00	0.00	100	0.00
38.001	0.0	6.81	0.87	0.00	0.00	100	0.00
39.000	0.0	10.10	1.29	0.00	0.00	100	0.00
40.000	0.0	10.63	1.35	0.00	0.00	100	0.00
41.000	0.0	19.38	2.47	0.00	0.00	100	0.00
39.001	0.0	13.32	1.70	0.00	0.00	100	0.00
38.002	0.0	8.22	1.05	0.00	0.00	100	0.00
38.003	0.0	15.30	1.95	0.00	0.00	100	0.00
1.013	30.0	13.40	0.76	1.39	0.49	35	0.35
1.014	30.0	13.40	0.76	1.39	0.49	35	0.35
42.000	0.0	8.49	1.08	0.00	0.00	100	0.00
43.000	0.0	13.08	1.67	0.00	0.00	100	0.00
42.001	0.0	6.30	0.80	0.00	0.00	100	0.00
44.000	0.0	10.80	1.38	0.00	0.00	100	0.00
45.000	0.0	15.54	1.98	0.00	0.00	100	0.00
42.002	0.0	22.44	2.86	0.00	0.00	100	0.00
42.003	4.0	5.44	0.69	0.19	0.31	13	0.22
46.000	0.0	15.16	1.93	0.00	0.00	100	0.00
46.001	0.0	5.60	0.71	0.00	0.00	100	0.00
47.000	0.0	17.14	2.18	0.00	0.00	100	0.00
48.000	0.0	26.13	3.33	0.00	0.00	100	0.00
46.002	0.0	21.32	2.71	0.00	0.00	100	0.00
42.004	6.0	8.07	1.03	0.28	0.46	13	0.32
49.000	0.0	10.12	1.29	0.00	0.00	100	0.00

Foul Calculation Results

Pipe Number	Accumulated Units	Flow Capacity (l/s)	Velocity @ Capacity (m/s)	Actual Flow, Q (l/s)	Actual Velocity (m/s)	Actual Depth (mm)	Velocity @ 1/3rd Q (m/s)
49.001	0.0	6.20	0.79	0.00	0.00	100	0.00
50.000	0.0	11.81	1.50	0.00	0.00	100	0.00
49.002	0.0	6.73	0.86	0.00	0.00	100	0.00
49.003	0.0	6.41	0.82	0.00	0.00	100	0.00
49.004	0.0	6.59	0.84	0.00	0.00	100	0.00
51.000	0.0	20.10	2.56	0.00	0.00	100	0.00
51.001	0.0	9.79	1.25	0.00	0.00	100	0.00
49.005	0.0	18.05	2.30	0.00	0.00	100	0.00
52.000	0.0	11.97	1.52	0.00	0.00	100	0.00
52.001	0.0	10.42	1.33	0.00	0.00	100	0.00
53.000	0.0	18.65	2.37	0.00	0.00	100	0.00
54.000	0.0	27.91	3.55	0.00	0.00	100	0.00
52.002	0.0	24.16	3.08	0.00	0.00	100	0.00
42.005	9.0	12.19	1.55	0.42	0.70	13	0.49
55.000	0.0	13.65	1.74	0.00	0.00	100	0.00
55.001	0.0	7.42	0.94	0.00	0.00	100	0.00
55.002	0.0	9.57	1.22	0.00	0.00	100	0.00
56.000	0.0	15.48	1.97	0.00	0.00	100	0.00
57.000	0.0	20.78	2.65	0.00	0.00	100	0.00
56.001	0.0	8.29	1.06	0.00	0.00	100	0.00
55.003	0.0	13.24	1.69	0.00	0.00	100	0.00
1.015	49.0	13.40	0.76	2.27	0.56	42	0.40
1.016	49.0	13.40	0.76	2.27	0.56	42	0.40
1.017	51.0	13.40	0.76	2.36	0.57	42	0.41
58.000	0.0	10.91	1.39	0.00	0.00	100	0.00
59.000	0.0	19.67	2.50	0.00	0.00	100	0.00
58.001	0.0	37.89	4.82	0.00	0.00	100	0.00
1.018	51.0	13.40	0.76	2.36	0.57	42	0.41
60.000	0.0	9.07	1.16	0.00	0.00	100	0.00
61.000	0.0	9.24	1.18	0.00	0.00	100	0.00
60.001	0.0	28.36	3.61	0.00	0.00	100	0.00
1.019	54.0	13.57	0.77	2.50	0.58	44	0.42
62.000	0.0	9.23	1.17	0.00	0.00	100	0.00
63.000	0.0	13.41	1.71	0.00	0.00	100	0.00
62.001	0.0	11.65	1.48	0.00	0.00	100	0.00
64.000	0.0	10.04	1.28	0.00	0.00	100	0.00
65.000	0.0	16.46	2.10	0.00	0.00	100	0.00
64.001	0.0	24.72	3.15	0.00	0.00	100	0.00
62.002	4.0	5.95	0.76	0.19	0.33	12	0.23
66.000	0.0	9.59	1.22	0.00	0.00	100	0.00
67.000	0.0	10.37	1.32	0.00	0.00	100	0.00
66.001	0.0	7.80	0.99	0.00	0.00	100	0.00
68.000	0.0	11.04	1.41	0.00	0.00	100	0.00
69.000	0.0	11.80	1.50	0.00	0.00	100	0.00
66.002	0.0	28.07	3.57	0.00	0.00	100	0.00
62.003	8.0	5.95	0.76	0.37	0.41	18	0.29
70.000	0.0	9.58	1.22	0.00	0.00	100	0.00
71.000	0.0	10.34	1.32	0.00	0.00	100	0.00
70.001	0.0	16.70	2.13	0.00	0.00	100	0.00
72.000	0.0	15.62	1.99	0.00	0.00	100	0.00
73.000	0.0	25.30	3.22	0.00	0.00	100	0.00
70.002	0.0	27.67	3.52	0.00	0.00	100	0.00
62.004	8.0	5.99	0.76	0.37	0.41	17	0.29
62.005	10.0	13.40	0.76	0.46	0.35	19	0.24
74.000	0.0	10.89	1.39	0.00	0.00	100	0.00
75.000	0.0	16.34	2.08	0.00	0.00	100	0.00
76.000	0.0	23.39	2.98	0.00	0.00	100	0.00
74.001	0.0	7.22	0.92	0.00	0.00	100	0.00
77.000	0.0	11.12	1.42	0.00	0.00	100	0.00
78.000	0.0	17.65	2.25	0.00	0.00	100	0.00
79.000	0.0	22.18	2.82	0.00	0.00	100	0.00
77.001	0.0	14.48	1.84	0.00	0.00	100	0.00
74.002	0.0	33.14	4.22	0.00	0.00	100	0.00
62.006	13.0	13.40	0.76	0.60	0.38	22	0.26
80.000	0.0	9.15	1.17	0.00	0.00	100	0.00
81.000	0.0	12.60	1.60	0.00	0.00	100	0.00
80.001	0.0	6.59	0.84	0.00	0.00	100	0.00
82.000	0.0	10.30	1.31	0.00	0.00	100	0.00

Foul Calculation Results

Pipe Number	Accumulated Units	Flow Capacity (l/s)	Velocity @ Capacity (m/s)	Actual Flow, Q (l/s)	Actual Velocity (m/s)	Actual Depth (mm)	Velocity @ 1/3rd Q (m/s)
83.000	0.0	16.07	2.05	0.00	0.00	100	0.00
82.001	0.0	15.90	2.02	0.00	0.00	100	0.00
80.002	0.0	20.69	2.63	0.00	0.00	100	0.00
62.007	13.0	13.40	0.76	0.60	0.38	22	0.26
84.000	0.0	12.68	1.62	0.00	0.00	100	0.00
85.000	0.0	14.35	1.83	0.00	0.00	100	0.00
84.001	0.0	23.51	2.99	0.00	0.00	100	0.00
62.008	22.0	13.40	0.76	1.02	0.44	28	0.31
86.000	0.0	12.58	1.60	0.00	0.00	100	0.00
87.000	0.0	18.49	2.35	0.00	0.00	100	0.00
86.001	0.0	24.98	3.18	0.00	0.00	100	0.00
62.009	24.0	13.46	0.76	1.11	0.46	29	0.32
88.000	0.0	8.68	1.10	0.00	0.00	100	0.00
89.000	0.0	9.19	1.17	0.00	0.00	100	0.00
88.001	0.0	12.12	1.54	0.00	0.00	100	0.00
90.000	0.0	13.38	1.70	0.00	0.00	100	0.00
91.000	0.0	16.09	2.05	0.00	0.00	100	0.00
92.000	0.0	18.87	2.40	0.00	0.00	100	0.00
90.001	0.0	16.41	2.09	0.00	0.00	100	0.00
88.002	3.0	6.91	0.88	0.14	0.33	10	0.23
93.000	0.0	10.42	1.33	0.00	0.00	100	0.00
94.000	0.0	11.22	1.43	0.00	0.00	100	0.00
93.001	0.0	6.25	0.80	0.00	0.00	100	0.00
95.000	0.0	9.98	1.27	0.00	0.00	100	0.00
96.000	0.0	10.76	1.37	0.00	0.00	100	0.00
95.001	0.0	11.89	1.51	0.00	0.00	100	0.00
97.000	0.0	10.90	1.39	0.00	0.00	100	0.00
98.000	0.0	17.53	2.23	0.00	0.00	100	0.00
97.001	0.0	13.17	1.68	0.00	0.00	100	0.00
93.002	0.0	12.32	1.57	0.00	0.00	100	0.00
99.000	0.0	14.08	1.79	0.00	0.00	100	0.00
100.000	0.0	22.58	2.88	0.00	0.00	100	0.00
99.001	0.0	8.06	1.03	0.00	0.00	100	0.00
101.000	0.0	14.86	1.89	0.00	0.00	100	0.00
102.000	0.0	23.75	3.02	0.00	0.00	100	0.00
101.001	0.0	14.88	1.89	0.00	0.00	100	0.00
99.002	0.0	14.86	1.89	0.00	0.00	100	0.00
88.003	13.0	12.65	1.61	0.60	0.81	15	0.57
103.000	0.0	9.64	1.23	0.00	0.00	100	0.00
104.000	0.0	13.22	1.68	0.00	0.00	100	0.00
103.001	0.0	7.31	0.93	0.00	0.00	100	0.00
105.000	0.0	11.18	1.42	0.00	0.00	100	0.00
106.000	0.0	13.40	1.71	0.00	0.00	100	0.00
107.000	0.0	16.71	2.13	0.00	0.00	100	0.00
105.001	0.0	17.31	2.20	0.00	0.00	100	0.00
103.002	0.0	23.57	3.00	0.00	0.00	100	0.00
62.010	42.0	14.59	0.83	1.94	0.57	37	0.41
62.011	44.0	26.68	1.51	2.04	0.88	28	0.63
108.000	0.0	8.92	1.14	0.00	0.00	100	0.00
109.000	0.0	12.99	1.65	0.00	0.00	100	0.00
108.001	0.0	31.38	4.00	0.00	0.00	100	0.00
62.012	44.0	26.65	1.51	2.04	0.88	28	0.63
110.000	0.0	10.83	1.38	0.00	0.00	100	0.00
111.000	0.0	11.43	1.46	0.00	0.00	100	0.00
110.001	0.0	25.23	3.21	0.00	0.00	100	0.00
1.020	98.0	29.32	0.74	4.54	0.53	60	0.38
1.021	98.0	29.82	0.75	4.54	0.54	59	0.39
112.000	0.0	9.59	1.22	0.00	0.00	100	0.00
113.000	0.0	10.35	1.32	0.00	0.00	100	0.00
112.001	0.0	10.15	1.29	0.00	0.00	100	0.00
114.000	0.0	9.76	1.24	0.00	0.00	100	0.00
115.000	0.0	10.58	1.35	0.00	0.00	100	0.00
114.001	0.0	15.74	2.00	0.00	0.00	100	0.00
112.002	0.0	32.93	4.19	0.00	0.00	100	0.00
1.022	102.0	30.34	0.76	4.72	0.55	60	0.40
116.000	0.0	9.35	1.19	0.00	0.00	100	0.00
117.000	0.0	10.08	1.28	0.00	0.00	100	0.00
116.001	0.0	10.87	1.38	0.00	0.00	100	0.00

Foul Calculation Results

Pipe Number	Accumulated Units	Flow Capacity (l/s)	Velocity @ Capacity (m/s)	Actual Flow, Q (l/s)	Actual Velocity (m/s)	Actual Depth (mm)	Velocity @ 1/3rd Q (m/s)
118.000	0.0	9.26	1.18	0.00	0.00	100	0.00
119.000	0.0	9.97	1.27	0.00	0.00	100	0.00
118.001	0.0	13.21	1.68	0.00	0.00	100	0.00
120.000	0.0	9.36	1.19	0.00	0.00	100	0.00
121.000	0.0	10.05	1.28	0.00	0.00	100	0.00
120.001	0.0	16.67	2.12	0.00	0.00	100	0.00
116.002	0.0	28.11	3.58	0.00	0.00	100	0.00
1.023	110.0	30.57	0.77	5.09	0.57	62	0.41
122.000	0.0	8.99	1.14	0.00	0.00	100	0.00
123.000	0.0	9.59	1.22	0.00	0.00	100	0.00
122.001	0.0	6.84	0.87	0.00	0.00	100	0.00
124.000	0.0	7.73	0.98	0.00	0.00	100	0.00
125.000	0.0	9.40	1.20	0.00	0.00	100	0.00
124.001	0.0	28.05	3.57	0.00	0.00	100	0.00
122.002	0.0	25.53	3.25	0.00	0.00	100	0.00
1.024	110.0	30.16	0.76	5.09	0.56	63	0.41
126.000	0.0	18.52	2.36	0.00	0.00	100	0.00
127.000	0.0	31.60	4.02	0.00	0.00	100	0.00
126.001	0.0	22.00	2.80	0.00	0.00	100	0.00
126.002	7.0	34.79	1.97	0.32	0.59	11	0.41
1.025	117.0	30.34	0.76	5.42	0.58	64	0.42
128.000	0.0	9.87	1.26	0.00	0.00	100	0.00
128.001	0.0	6.45	0.82	0.00	0.00	100	0.00
128.002	0.0	13.31	1.69	0.00	0.00	100	0.00
128.003	5.0	17.92	1.01	0.23	0.34	12	0.23
129.000	0.0	9.29	1.18	0.00	0.00	100	0.00
130.000	0.0	10.10	1.29	0.00	0.00	100	0.00
129.001	0.0	11.76	1.50	0.00	0.00	100	0.00
131.000	0.0	9.95	1.27	0.00	0.00	100	0.00
132.000	0.0	16.93	2.16	0.00	0.00	100	0.00
131.001	0.0	15.93	2.03	0.00	0.00	100	0.00
129.002	0.0	9.38	1.19	0.00	0.00	100	0.00
133.000	0.0	9.98	1.27	0.00	0.00	100	0.00
134.000	0.0	17.07	2.17	0.00	0.00	100	0.00
133.001	0.0	28.14	3.58	0.00	0.00	100	0.00
129.003	0.0	9.63	1.23	0.00	0.00	100	0.00
128.004	5.0	16.91	0.96	0.23	0.32	13	0.23
135.000	0.0	10.67	1.36	0.00	0.00	100	0.00
136.000	0.0	12.89	1.64	0.00	0.00	100	0.00
135.001	0.0	10.85	1.38	0.00	0.00	100	0.00
137.000	0.0	23.59	3.00	0.00	0.00	100	0.00
135.002	0.0	17.60	2.24	0.00	0.00	100	0.00
128.005	9.0	15.97	0.90	0.42	0.38	17	0.26
138.000	0.0	25.28	3.22	0.00	0.00	100	0.00
139.000	0.0	29.67	3.78	0.00	0.00	100	0.00
140.000	0.0	32.83	4.18	0.00	0.00	100	0.00
138.001	0.0	7.66	0.98	0.00	0.00	100	0.00
138.002	0.0	5.41	0.69	0.00	0.00	100	0.00
141.000	0.0	26.59	3.39	0.00	0.00	100	0.00
138.003	4.0	8.46	1.08	0.19	0.42	10	0.29
142.000	0.0	18.10	2.30	0.00	0.00	100	0.00
143.000	0.0	20.07	2.56	0.00	0.00	100	0.00
142.001	0.0	6.27	0.80	0.00	0.00	100	0.00
142.002	0.0	8.88	1.13	0.00	0.00	100	0.00
138.004	8.0	21.92	1.24	0.37	0.45	14	0.31
128.006	17.0	15.47	0.88	0.79	0.45	23	0.32
128.007	22.0	16.88	0.96	1.02	0.52	25	0.37
144.000	0.0	8.63	1.10	0.00	0.00	100	0.00
145.000	0.0	13.92	1.77	0.00	0.00	100	0.00
144.001	0.0	7.12	0.91	0.00	0.00	100	0.00
146.000	0.0	9.11	1.16	0.00	0.00	100	0.00
147.000	0.0	16.28	2.07	0.00	0.00	100	0.00
146.001	0.0	10.75	1.37	0.00	0.00	100	0.00
144.002	0.0	33.84	4.31	0.00	0.00	100	0.00
128.008	25.0	27.54	1.56	1.16	0.76	21	0.53
148.000	0.0	9.38	1.19	0.00	0.00	100	0.00
148.001	0.0	11.81	1.50	0.00	0.00	100	0.00
149.000	0.0	9.25	1.18	0.00	0.00	100	0.00

Foul Calculation Results

Pipe Number	Accumulated Units	Flow Capacity (l/s)	Velocity @ Capacity (m/s)	Actual Flow, Q (l/s)	Actual Velocity (m/s)	Actual Depth (mm)	Velocity @ 1/3rd Q (m/s)
150.000	0.0	9.94	1.27	0.00	0.00	100	0.00
149.001	0.0	15.37	1.96	0.00	0.00	100	0.00
151.000	0.0	10.98	1.40	0.00	0.00	100	0.00
152.000	0.0	15.42	1.96	0.00	0.00	100	0.00
153.000	0.0	17.47	2.22	0.00	0.00	100	0.00
151.001	0.0	22.00	2.80	0.00	0.00	100	0.00
148.002	0.0	16.21	2.06	0.00	0.00	100	0.00
154.000	185.0	40.98	1.03	8.56	0.81	70	0.59
128.009	212.0	40.39	1.02	9.81	0.84	76	0.61
155.000	0.0	11.70	1.49	0.00	0.00	100	0.00
156.000	0.0	16.03	2.04	0.00	0.00	100	0.00
157.000	0.0	18.42	2.35	0.00	0.00	100	0.00
155.001	0.0	22.76	2.90	0.00	0.00	100	0.00
128.010	212.0	39.96	1.01	9.81	0.83	76	0.60
158.000	0.0	10.01	1.27	0.00	0.00	100	0.00
159.000	0.0	10.97	1.40	0.00	0.00	100	0.00
158.001	0.0	17.01	2.17	0.00	0.00	100	0.00
158.002	5.0	21.53	1.22	0.23	0.38	11	0.27
158.003	13.0	17.64	1.00	0.60	0.45	19	0.32
160.000	0.0	8.07	1.03	0.00	0.00	100	0.00
161.000	0.0	13.67	1.74	0.00	0.00	100	0.00
162.000	0.0	17.32	2.21	0.00	0.00	100	0.00
160.001	0.0	8.51	1.08	0.00	0.00	100	0.00
160.002	0.0	6.16	0.78	0.00	0.00	100	0.00
163.000	0.0	8.86	1.13	0.00	0.00	100	0.00
163.001	0.0	8.47	1.08	0.00	0.00	100	0.00
160.003	0.0	21.79	2.77	0.00	0.00	100	0.00
164.000	0.0	9.79	1.25	0.00	0.00	100	0.00
164.001	0.0	9.77	1.24	0.00	0.00	100	0.00
165.000	0.0	8.68	1.11	0.00	0.00	100	0.00
165.001	0.0	16.25	2.07	0.00	0.00	100	0.00
166.000	0.0	10.39	1.32	0.00	0.00	100	0.00
167.000	0.0	11.13	1.42	0.00	0.00	100	0.00
168.000	0.0	22.26	2.83	0.00	0.00	100	0.00
166.001	0.0	30.51	3.88	0.00	0.00	100	0.00
169.000	0.0	11.23	1.43	0.00	0.00	100	0.00
169.001	0.0	28.06	3.57	0.00	0.00	100	0.00
164.002	0.0	19.82	2.52	0.00	0.00	100	0.00
158.004	17.0	15.17	0.86	0.79	0.44	23	0.31
170.000	0.0	9.54	1.21	0.00	0.00	100	0.00
170.001	0.0	7.18	0.91	0.00	0.00	100	0.00
171.000	0.0	9.36	1.19	0.00	0.00	100	0.00
172.000	0.0	9.73	1.24	0.00	0.00	100	0.00
173.000	0.0	9.77	1.24	0.00	0.00	100	0.00
174.000	0.0	17.66	2.25	0.00	0.00	100	0.00
171.001	0.0	29.96	3.81	0.00	0.00	100	0.00
170.002	0.0	24.03	3.06	0.00	0.00	100	0.00
158.005	17.0	49.73	2.81	0.79	1.01	13	0.70
128.011	234.0	64.46	0.91	10.83	0.68	83	0.49
175.000	0.0	8.41	1.07	0.00	0.00	100	0.00
176.000	0.0	8.53	1.09	0.00	0.00	100	0.00
175.001	0.0	9.04	1.15	0.00	0.00	100	0.00
177.000	0.0	9.46	1.20	0.00	0.00	100	0.00
178.000	0.0	14.95	1.90	0.00	0.00	100	0.00
175.002	0.0	5.95	0.76	0.00	0.00	100	0.00
175.003	0.0	7.78	0.99	0.00	0.00	100	0.00
179.000	0.0	9.23	1.17	0.00	0.00	100	0.00
180.000	0.0	16.00	2.04	0.00	0.00	100	0.00
179.001	0.0	10.31	1.31	0.00	0.00	100	0.00
181.000	0.0	15.07	1.92	0.00	0.00	100	0.00
179.002	0.0	10.68	1.36	0.00	0.00	100	0.00
175.004	0.0	24.29	3.09	0.00	0.00	100	0.00
128.012	240.0	110.87	1.57	11.11	1.01	64	0.72
182.000	65.0	51.84	1.30	3.01	0.71	37	0.50
182.001	65.0	67.50	1.70	3.01	0.85	33	0.60
183.000	0.0	8.71	1.11	0.00	0.00	100	0.00
184.000	0.0	8.71	1.11	0.00	0.00	100	0.00
183.001	0.0	9.87	1.26	0.00	0.00	100	0.00

Foul Calculation Results

Pipe Number	Accumulated Units	Flow Capacity (l/s)	Velocity @ Capacity (m/s)	Actual Flow, Q (l/s)	Actual Velocity (m/s)	Actual Depth (mm)	Velocity @ 1/3rd Q (m/s)
185.000	0.0	17.96	2.29	0.00	0.00	100	0.00
183.002	0.0	27.41	3.49	0.00	0.00	100	0.00
128.013	305.0	185.68	2.63	14.12	1.55	56	1.11
1.026	422.0	99.00	1.40	19.54	1.09	90	0.79
1.027	422.0	96.80	1.37	19.54	1.07	91	0.78
1.028	422.0	101.04	1.43	19.54	1.11	89	0.80
186.000	192.0	59.56	0.84	8.89	0.61	78	0.44
187.000	90.0	28.35	1.60	4.17	1.14	39	0.82
187.001	90.0	13.60	0.77	4.17	0.68	57	0.49
187.002	90.0	20.01	1.13	4.17	0.89	47	0.64
1.029	704.0	99.51	1.41	32.59	1.26	118	0.92