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)
PF1175	0.0	0.180	Type E	6.075	5.275	0.700	488682.013	97803.307
PF1178	0.0	0.180	Type E	6.075	5.275	0.700	488680.821	97804.284
PF1177	0.0	0.180	Type E	6.075	5.275	0.700	488679.580	97802.835
PF1176	0.0	0.450	450	6.046	5.150	0.796	488678.703	97803.558
PF1179	0.0	0.180	Type E	6.075	5.275	0.700	488680.277	97798.827
PF1181	0.0	0.180	Type E	6.075	5.275	0.700	488678.619	97801.407
PF1180	0.0	0.450	450	5.953	5.000	0.853	488677.007	97801.679
PF1168	0.0	0.180	Type E	6.000	5.200	0.700	488675.900	97796.908
PF1170	0.0	0.180	Type E	6.000	5.200	0.700	488674.708	97797.884
PF1169	0.0	0.450	450	5.885	4.975	0.810	488674.301	97799.033
F60	8.0	1.350	Type C	5.865	4.600	1.115	488667.124	97805.540
PF1112	0.0	0.180	Type E	5.775	4.975	0.700	488659.319	97777.087
PF1115	0.0	0.180	Type E	5.775	4.975	0.700	488657.502	97779.566
PF1114	0.0	0.180	Type E	5.775	4.975	0.700	488658.372	97781.052
PF1113	0.0	0.450	450	5.722	4.650	0.972	488657.012	97781.237
PF1034	0.0	0.180	Type E	5.927	5.200	0.627	488640.950	97791.762
PF1037	0.0	0.180	Type E	5.961	5.200	0.661	488642.053	97791.796
PF1036	0.0	0.180	Type E	5.848	5.200	0.548	488641.357	97787.436
PF1035	0.0	0.450	450	5.836	4.900	0.836	488641.999	97786.129
PF1111	0.0	0.180	Type E	5.700	4.900	0.700	488654.406	97775.470
PF1109	0.0	0.180	Type E	5.700	4.900	0.700	488653.126	97776.330
PF1110	0.0	0.450	450	5.636	4.600	0.936	488652.630	97777.198
F61	0.0	1.350	Type C	5.569	4.200	1.219	488647.257	97781.567
PF922	0.0	0.180	Type E	5.625	4.825	0.700	488667.474	97749.548
PF923	0.0	0.450	450	5.592	4.575	0.917	488669.080	97740.876
F22	1.0	1.350	Type C	5.348	4.050	1.198	488659.965	97736.386
F23	1.0	1.350	Type C	5.255	3.830	1.325	488647.284	97739.092
F62	3.0	1.200	Type B	5.220	3.475	1.595	488626.340	97751.100
PF950	0.0	0.180	Type E	5.475	4.675	0.700	488615.526	97772.916
PF948	0.0	0.180	Type E	5.475	4.675	0.700	488614.715	97773.178
PF951	0.0	0.180	Type E	5.475	4.675	0.700	488616.511	97767.355
PF949	0.0	0.450	450	5.373	4.425	0.848	488611.176	97764.367
PF958	0.0	0.180	Type E	5.527	4.825	0.602	488596.260	97779.435
PF956	0.0	0.180	Type E	5.490	4.825	0.565	488594.880	97779.680
PF959	0.0	0.180	Type E	5.610	4.825	0.685	488596.400	97775.264
PF957	0.0	0.450	450	5.543	4.500	0.943	488594.160	97775.538
PF1310	0.0	1.200	Type E	5.533	4.150	1.283	488592.459	97775.566
F24	1.0	1.200	Type B	5.410	3.098	2.162	488582.813	97776.055
PF967	0.0	0.180	Type E	5.775	4.975	0.700	488587.288	97790.811
PF966	0.0	0.180	Type E	5.775	4.975	0.700	488585.388	97790.002
PF964	0.0	0.180	Type E	5.775	4.975	0.700	488586.503	97785.640
PF965	0.0	0.450	450	5.714	4.750	0.864	488580.125	97785.894
PF968	0.0	0.180	Type E	5.775	4.975	0.700	488586.607	97791.826
PF971	0.0	0.180	Type E	5.775	4.975	0.700	488584.645	97791.659
PF973	0.0	0.180	Type E	5.775	4.975	0.700	488581.753	97792.634
PF970	0.0	0.180	Type E	5.775	4.975	0.700	488579.573	97789.334
PF972	0.0	0.450	450	5.727	4.750	0.877	488578.464	97789.469
PF969	0.0	0.450	450	5.738	4.600	1.038	488578.419	97788.552
F25	2.0	1.200	Type B	5.535	2.967	2.418	488571.825	97789.515
PF985	0.0	0.180	Type E	5.475	4.675	0.700	488582.513	97826.326
PF983	0.0	0.180	Type E	5.475	4.675	0.700	488578.742	97822.121
PF984	0.0	0.450	450	5.425	4.300	1.025	488573.447	97824.469
F26	1.0	1.200	Type B	5.175	2.645	2.380	488567.151	97832.065
PF994	0.0	0.180	Type E	5.325	4.525	0.700	488575.899	97850.131
PF992	0.0	0.180	Type E	5.325	4.525	0.700	488577.728	97852.576
PF995	0.0	0.180	Type E	5.325	4.525	0.700	488575.206	97855.658

Manhole Schedule

Manhole	Units	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
PF993	0.0	0.450	450	5.335	4.300	0.935	488575.469	97857.047
PF996	0.0	0.180	Type E	5.325	4.525	0.700	488575.519	97848.210
PF998	0.0	0.180	Type E	5.325	4.525	0.700	488574.058	97849.919
PF997	0.0	0.450	450	5.284	4.220	0.964	488572.300	97856.752
PF999	0.0	0.180	Type E	5.325	4.325	0.900	488574.245	97847.862
PF1000	0.0	0.180	Type E	5.325	4.325	0.900	488569.614	97850.201
PF1311	0.0	0.450	450	5.203	4.075	1.028	488568.865	97856.386
F27	0.0	1.200	Type B	5.105	2.450	2.505	488564.361	97857.857
SVP178A	0.0	0.180	Type E	6.200	5.400	0.700	488684.265	98001.068
DC178A	0.0	0.180	Type E	6.200	5.400	0.700	488682.537	98000.654
PF428	0.0	0.180	Type E	6.200	5.500	0.600	488681.161	97995.792
PF423	0.0	0.450	450	6.147	5.200	0.847	488681.195	97994.485
SVP178B	0.0	0.180	Type E	6.200	5.400	0.700	488679.668	98001.071
DC178B	0.0	0.180	Type E	6.200	5.400	0.700	488681.505	98000.047
PF424	0.0	0.450	450	6.179	5.100	0.979	488679.702	97994.230
DC179B	0.0	0.180	Type E	6.200	5.400	0.700	488674.745	97997.346
SVP179B	0.0	0.180	Type E	6.200	5.400	0.700	488676.557	97995.821
DC179C	0.0	0.180	Type E	6.200	5.400	0.700	488674.757	97995.846
PF438	0.0	0.450	450	6.163	5.200	0.863	488675.101	97994.846
PF425	0.0	0.450	450	6.196	4.985	1.111	488674.292	97994.225
SVP180A	0.0	0.180	Type E	6.375	5.575	0.700	488662.601	98003.759
DC180A	0.0	0.180	Type E	6.375	5.575	0.700	488661.438	98002.603
DC180C	0.0	0.180	Type E	6.375	5.575	0.700	488660.779	97995.539
DC180B	0.0	0.180	Type E	6.375	5.575	0.700	488661.353	97996.745
SVP180B	0.0	0.180	Type E	6.375	5.575	0.700	488664.978	97996.708
PF443	0.0	0.450	450	6.235	5.300	0.835	488666.439	97996.135
PF440	0.0	0.450	450	6.264	5.250	0.914	488667.477	97995.861
F77	5.0	1.350	Type C	6.189	4.889	1.200	488674.288	97986.843
SVP181A	0.0	0.180	Type E	6.450	5.650	0.700	488656.026	97986.046
DC181C	0.0	0.180	Type E	6.450	5.650	0.700	488657.026	97984.413
PF448	0.0	0.450	450	6.429	5.400	0.929	488660.713	97982.453
F70	4.0	1.350	Type C	6.211	4.735	1.376	488664.370	97979.553
DC185B	0.0	0.180	Type E	6.225	5.425	0.700	488641.780	97958.901
DC185A	0.0	0.180	Type E	6.225	5.425	0.700	488641.953	97957.419
PF470	0.0	0.450	450	6.183	5.200	0.883	488646.636	97955.708
F71	4.0	1.200	Type B	6.060	4.260	1.650	488651.083	97950.879
PF491	0.0	0.180	Type E	6.050	5.250	0.700	488634.362	97923.895
PF493	0.0	0.180	Type E	6.050	5.250	0.700	488636.409	97922.602
PF492	0.0	0.450	450	6.025	5.000	0.925	488640.396	97921.708
F72	2.0	1.200	Type B	5.855	4.027	1.678	488644.019	97920.704
PF503	0.0	0.180	Type E	5.925	5.125	0.700	488632.598	97906.448
PF505	0.0	0.180	Type E	5.925	5.125	0.700	488634.807	97905.683
PF504	0.0	0.450	450	5.912	4.850	0.962	488639.031	97905.995
F73	0.0	1.200	Type B	5.754	3.865	1.739	488642.950	97905.056
SVP248B	0.0	0.180	Type E	6.000	5.200	0.700	488716.657	97890.706
DC248B	0.0	0.180	Type E	6.000	5.200	0.700	488715.048	97895.008
DC248C	0.0	0.180	Type E	6.000	5.200	0.700	488712.841	97899.051
PF1042	0.0	0.450	450	5.875	4.900	0.875	488711.477	97899.803
SVP249A	0.0	0.180	Type E	6.075	5.275	0.700	488709.421	97894.270
DC249A	0.0	0.180	Type E	6.075	5.275	0.700	488707.094	97896.223
PF1047	0.0	0.450	450	5.965	5.000	0.865	488707.083	97897.694
F75	6.0	1.350	Type C	5.870	4.450	1.320	488703.344	97902.783
SVP251A	0.0	0.180	Type E	5.850	5.050	0.700	488691.557	97884.488
DC251A	0.0	0.180	Type E	5.850	5.050	0.700	488689.458	97886.342
SVP251B	0.0	0.180	Type E	5.850	5.050	0.700	488687.873	97885.654
PF1126	0.0	0.450	450	5.835	4.900	0.835	488687.399	97886.722
SVP252A	0.0	0.180	Type E	5.850	5.050	0.700	488682.751	97879.377
DC252A	0.0	0.180	Type E	5.850	5.050	0.700	488682.182	97882.119
PF1127	0.0	0.450	450	5.776	4.700	0.976	488681.537	97883.306
PF1140	0.0	0.180	Type E	5.700	4.900	0.700	488679.398	97877.225
PF1142	0.0	0.180	Type E	5.700	4.900	0.700	488675.663	97878.755
PF1143	0.0	0.180	Type E	5.700	4.900	0.700	488677.215	97879.378
PF1141	0.0	0.450	450	5.652	4.600	0.952	488676.868	97880.516
F76	2.0	1.200	Type B	5.652	4.000	1.552	488674.299	97884.930
SVP254A	0.0	0.180	Type E	5.775	4.975	0.700	488671.705	97872.884
DC254A	0.0	0.180	Type E	5.775	4.975	0.700	488669.557	97875.057
SVP254B	0.0	0.180	Type E	5.775	4.975	0.700	488667.926	97874.390
PF1148	0.0	0.450	450	5.715	4.800	0.815	488667.827	97875.515

Manhole Schedule

Manhole	Units	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
PF1154	0.0	0.180	Type E	5.700	4.900	0.700	488663.958	97868.589
PF1156	0.0	0.180	Type E	5.700	4.900	0.700	488660.178	97870.094
PF1157	0.0	0.180	Type E	5.700	4.900	0.700	488661.774	97870.742
PF1155	0.0	0.450	450	5.612	4.700	0.812	488661.390	97871.855
F90	0.0	1.200	Type B	5.541	3.745	1.696	488658.245	97876.583
F74	2.0	1.200	Type B	5.445	3.500	1.795	488644.270	97870.149
DC227B	0.0	0.180	Type E	5.925	5.125	0.700	488629.054	97799.139
DC227C	0.0	0.180	Type E	5.925	5.125	0.700	488629.850	97798.789
DC227A	0.0	0.180	Type E	5.925	5.125	0.700	488628.516	97804.751
PF1029	0.0	0.450	450	5.865	4.850	0.915	488633.270	97807.553
DC227E	0.0	0.180	Type E	5.925	5.125	0.700	488636.295	97799.990
DC227D	0.0	0.180	Type E	5.925	5.125	0.700	488634.887	97800.347
DC227F	0.0	0.180	Type E	5.925	5.125	0.700	488635.114	97804.549
PF1033	0.0	0.450	450	5.887	4.850	0.937	488636.133	97805.071
F65	2.0	1.350	Type C	5.830	4.500	1.230	488635.013	97811.492
SVP228A	0.0	0.180	Type E	5.850	5.050	0.700	488612.269	97809.417
DC228A	0.0	0.180	Type E	5.850	5.050	0.700	488613.524	97808.488
SVP228B	0.0	0.180	Type E	5.850	5.050	0.700	488617.428	97810.552
PF1023	0.0	0.450	450	5.730	4.800	0.830	488618.203	97814.063
F66	2.0	1.350	Type C	5.777	4.200	1.477	488625.211	97819.231
PF1085	0.0	0.180	Type E	5.850	5.050	0.700	488653.696	97824.705
PF1087	0.0	0.180	Type E	5.850	5.050	0.700	488650.378	97823.805
PF1086	0.0	0.450	450	5.807	4.900	0.807	488649.287	97823.183
PF1088	0.0	0.180	Type E	5.850	5.050	0.700	488654.209	97825.021
PF1090	0.0	0.180	Type E	5.850	5.050	0.700	488652.972	97825.880
PF1089	0.0	0.450	450	5.819	4.850	0.869	488648.717	97824.042
PF1082	0.0	0.180	Type E	5.850	5.050	0.700	488649.731	97832.287
PF1084	0.0	0.180	Type E	5.850	5.050	0.700	488649.943	97830.796
PF1083	0.0	0.450	450	5.808	4.700	1.008	488646.377	97827.801
F86	4.0	1.350	Type C	5.752	4.400	1.251	488644.178	97827.207
F87	2.0	1.350	Type C	5.594	4.000	1.494	488633.312	97848.105
PF1008	0.0	0.180	Type E	5.700	4.900	0.700	488601.649	97843.210
PF1010	0.0	0.180	Type E	5.700	4.900	0.700	488602.027	97841.716
PF1011	0.0	0.180	Type E	5.700	4.900	0.700	488606.351	97840.820
PF1009	0.0	0.450	450	5.545	4.500	0.945	488609.688	97843.140
F67	1.0	1.200	Type B	5.600	3.600	1.850	488616.404	97846.385
PF526	0.0	0.180	Type E	5.700	4.900	0.700	488615.077	97880.063
PF524	0.0	0.180	Type E	5.700	4.900	0.700	488613.781	97879.415
PF527	0.0	0.180	Type E	5.700	4.900	0.700	488617.721	97876.834
PF525	0.0	0.450	450	5.626	4.550	0.976	488615.884	97875.087
F68	1.0	1.200	Type B	5.415	3.250	2.015	488614.150	97868.423
PF1324	0.0	0.180	Type E	5.775	4.975	0.700	488602.089	97882.976
PF1327	0.0	0.180	Type E	5.775	4.975	0.700	488601.867	97878.227
PF1328	0.0	0.180	Type E	5.775	4.975	0.700	488604.332	97878.102
PF1326	0.0	0.180	Type E	5.775	4.975	0.700	488601.914	97876.603
PF1325	0.0	0.450	450	5.713	4.700	0.913	488604.024	97873.163
F69	0.0	1.200	Type B	5.573	2.600	2.823	488597.345	97866.754
F28	2.0	1.200	Type A	5.697	2.140	3.332	488591.770	97871.889
PF1332	0.0	0.180	Type E	5.699	4.915	0.684	488607.635	97927.415
PF1333	0.0	0.450	450	5.679	4.865	0.714	488608.905	97928.338
PF542	0.0	0.180	Type E	5.850	5.050	0.700	488605.605	97930.645
PF540	0.0	0.180	Type E	5.850	5.050	0.700	488600.472	97927.760
PF541	0.0	0.450	450	5.791	4.615	1.076	488598.791	97928.533
PF533	0.0	0.180	Type E	5.925	5.125	0.700	488602.272	97910.891
PF531	0.0	0.180	Type E	5.925	5.125	0.700	488602.809	97910.042
PF1329	0.0	0.180	Type E	5.774	5.125	0.549	488606.244	97912.668
PF1330	0.0	0.450	450	5.760	4.850	0.810	488607.064	97912.622
PF1331	0.0	0.450	450	5.756	4.750	0.906	488607.296	97916.960
PF534	0.0	0.180	Type E	5.925	5.125	0.700	488604.215	97915.943
PF536	0.0	0.180	Type E	5.925	5.125	0.700	488599.079	97913.004
PF535	0.0	0.450	450	5.830	4.900	0.830	488597.504	97915.530
PF1270	0.0	0.450	Unknown	5.816	4.475	1.241	488597.244	97917.753
F29	2.0	1.200	Type A	5.640	1.935	3.480	488592.335	97918.058
PF550	0.0	0.180	Type E	5.700	4.900	0.700	488608.124	97941.248
PF547	0.0	0.180	Type E	5.700	4.900	0.700	488608.038	97942.131
PF549	0.0	0.180	Type E	5.700	4.900	0.700	488603.500	97938.032
PF548	0.0	0.450	450	5.657	4.650	0.907	488599.035	97941.212
PF551	0.0	0.180	Type E	5.625	4.825	0.700	488605.373	97956.240

Manhole Schedule

Manhole	Units	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
PF553	0.0	0.180	Type E	5.625	4.825	0.700	488602.343	97955.801
PF557	0.0	0.180	Type E	5.625	4.825	0.700	488601.927	97954.122
PF552	0.0	0.450	450	5.579	4.675	0.804	488600.828	97954.811
PF556	0.0	0.180	Type E	5.625	4.825	0.700	488603.184	97951.958
PF554	0.0	0.180	Type E	5.625	4.825	0.700	488601.632	97952.241
PF555	0.0	0.450	450	5.571	4.650	0.821	488599.910	97951.948
F95	2.0	1.200	Type A	5.381	1.782	3.374	488595.807	97952.822
PF560	0.0	0.180	Type E	5.550	4.750	0.700	488604.371	97960.720
PF558	0.0	0.180	Type E	5.550	4.750	0.700	488602.851	97960.972
PF564	0.0	0.180	Type E	5.550	4.750	0.700	488603.122	97962.861
PF559	0.0	0.450	450	5.515	4.600	0.815	488602.065	97963.221
PF561	0.0	0.180	Type E	5.550	4.750	0.700	488606.596	97964.978
PF563	0.0	0.180	Type E	5.550	4.750	0.700	488603.563	97964.525
PF562	0.0	0.450	450	5.461	4.500	0.861	488601.919	97965.712
F30	3.0	1.200	Type A	5.266	1.714	3.327	488597.866	97968.195
PF1337	0.0	0.180	Type E	5.475	4.675	0.700	488609.825	97971.110
PF1336	0.0	0.180	Type E	5.475	4.675	0.700	488609.559	97972.373
PF566	0.0	0.450	450	5.457	4.475	0.882	488602.559	97970.337
PF573	0.0	0.180	Type E	5.400	4.600	0.700	488613.480	97988.749
PF575	0.0	0.180	Type E	5.400	4.600	0.700	488610.426	97989.129
PF579	0.0	0.180	Type E	5.400	4.600	0.700	488609.541	97987.655
PF574	0.0	0.450	450	5.353	4.450	0.803	488608.610	97988.525
PF578	0.0	0.180	Type E	5.400	4.600	0.700	488610.159	97985.272
PF576	0.0	0.180	Type E	5.400	4.600	0.700	488608.711	97985.932
PF577	0.0	0.450	450	5.256	4.350	0.806	488608.087	97984.596
PF1269	0.0	0.450	450	5.328	4.250	0.978	488604.697	97983.383
F31	3.0	1.200	Type A	5.139	1.639	3.275	488600.757	97985.050
PF592	0.0	0.180	Type E	5.455	4.655	0.700	488627.729	98008.557
PF590	0.0	0.180	Type E	5.455	4.655	0.700	488626.645	98007.847
PF591	0.0	0.450	450	5.434	4.475	0.859	488622.394	98012.887
PF589	0.0	0.180	Type E	5.455	4.655	0.700	488626.296	98008.096
PF587	0.0	0.180	Type E	5.455	4.655	0.700	488624.367	98008.449
PF588	0.0	0.450	450	5.429	4.425	0.904	488621.097	98011.223
PF595	0.0	0.180	Type E	5.455	4.655	0.700	488624.658	98005.972
PF593	0.0	0.180	Type E	5.455	4.655	0.700	488623.804	98007.718
PF594	0.0	0.450	450	5.423	4.375	0.948	488619.799	98009.559
PF598	0.0	0.180	Type E	5.455	4.655	0.700	488624.610	98004.495
PF596	0.0	0.180	Type E	5.455	4.655	0.700	488624.984	98005.694
PF597	0.0	0.450	450	5.417	4.350	0.967	488618.961	98008.464
PF582	0.0	0.180	Type E	5.325	4.525	0.700	488614.310	97994.029
PF580	0.0	0.180	Type E	5.325	4.525	0.700	488613.000	97994.840
PF581	0.0	0.450	450	5.216	4.325	0.791	488611.757	97994.909
PF583	0.0	0.180	Type E	5.325	4.525	0.700	488617.985	97997.124
PF585	0.0	0.180	Type E	5.325	4.525	0.700	488615.007	97997.857
PF586	0.0	0.180	Type E	5.325	4.525	0.700	488613.968	97996.484
PF584	0.0	0.450	450	5.265	4.300	0.865	488613.383	97997.752
PF1271	0.0	0.450	Unknown	5.274	3.950	1.224	488612.107	97999.698
F32	3.0	1.200	Type A	5.072	1.555	3.292	488608.196	98003.250
PF601	0.0	0.180	Type E	5.550	4.750	0.700	488631.732	98018.052
PF599	0.0	0.180	Type E	5.550	4.750	0.700	488630.625	98019.102
PF600	0.0	0.450	450	5.449	4.550	0.799	488629.146	98019.677
PF617	0.0	0.180	Type E	5.625	4.825	0.700	488641.482	98024.538
PF615	0.0	0.180	Type E	5.625	4.825	0.700	488641.968	98025.722
PF616	0.0	0.450	450	5.596	4.300	1.196	488635.836	98028.803
PF609	0.0	0.180	Type E	5.625	4.825	0.700	488643.316	98028.043
PF611	0.0	0.180	Type E	5.625	4.825	0.700	488641.478	98028.524
PF610	0.0	0.450	450	5.613	4.525	0.988	488638.624	98031.629
F33	2.0	1.200	Type A	5.353	1.360	3.768	488635.259	98037.517
PF412	0.0	0.180	Type E	5.850	5.050	0.700	488655.502	98035.568
PF413	0.0	0.180	Type E	5.850	5.050	0.700	488655.728	98038.787
PF410	0.0	0.450	450	5.746	4.900	0.746	488655.531	98040.568
PF420	0.0	0.180	Type E	5.850	5.050	0.700	488664.049	98035.956
PF422	0.0	0.180	Type E	5.850	5.050	0.700	488662.608	98036.395
PF421	0.0	0.450	450	5.830	4.850	0.880	488661.085	98040.496
PF417	0.0	0.180	Type E	5.850	5.050	0.700	488663.979	98036.555
PF418	0.0	0.180	Type E	5.850	5.050	0.700	488662.277	98039.479
PF411	0.0	0.450	450	5.783	4.900	0.783	488662.132	98040.602
PF419	0.0	0.450	450	5.825	4.800	0.925	488660.857	98041.137

Manhole Schedule

Manhole	Units	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
F34	2.0	1.200	Type A	5.556	1.237	4.095	488661.011	98048.585
PF650	0.0	0.180	Type E	5.850	5.050	0.700	488787.062	97940.224
PF652	0.0	0.180	Type E	5.850	5.050	0.700	488785.929	97941.130
PF651	0.0	0.450	450	5.851	4.900	0.851	488781.680	97939.193
PF661	0.0	0.180	Type E	5.850	5.050	0.700	488789.461	97935.753
PF659	0.0	0.180	Type E	5.850	5.050	0.700	488789.552	97934.223
PF660	0.0	0.450	450	5.844	4.900	0.844	488785.462	97931.776
PF665	0.0	0.450	450	5.837	4.750	0.987	488784.215	97930.498
F45	8.0	1.350	Type C	5.633	4.283	1.200	488781.904	97925.354
PF666	0.0	0.180	Type E	5.700	4.900	0.700	488793.631	97926.341
PF668	0.0	0.180	Type E	5.700	4.900	0.700	488791.700	97924.269
PF678	0.0	0.180	Type E	5.700	4.900	0.700	488792.309	97922.651
PF667	0.0	0.450	450	5.669	4.750	0.819	488790.959	97922.306
PF675	0.0	0.180	Type E	5.700	4.900	0.700	488798.389	97917.322
PF677	0.0	0.180	Type E	5.700	4.900	0.700	488795.651	97916.846
PF680	0.0	0.180	Type E	5.700	4.900	0.700	488794.606	97918.272
PF676	0.0	0.450	450	5.659	4.750	0.809	488793.760	97916.920
PF679	0.0	0.450	450	5.673	4.400	1.173	488792.824	97916.044
PF1259	0.0	0.180	Type E	5.625	4.825	0.700	488777.917	97912.451
PF1256	0.0	0.180	Type E	5.625	4.825	0.700	488779.187	97913.324
PF1257	0.0	0.450	450	5.615	4.675	0.840	488781.357	97912.636
PF1254	0.0	0.180	Type E	5.625	4.825	0.700	488780.240	97911.862
PF1258	0.0	0.180	Type E	5.625	4.825	0.700	488781.082	97910.354
PF1253	0.0	0.450	450	5.618	4.625	0.893	488782.397	97911.302
PF1249	0.0	0.180	Type E	5.625	4.825	0.700	488783.566	97907.245
PF1251	0.0	0.180	Type E	5.625	4.825	0.700	488782.402	97908.522
PF1250	0.0	0.450	450	5.610	4.500	1.010	488784.032	97909.159
F46	6.0	1.350	Type C	5.522	4.170	1.202	488789.278	97912.701
PF767	0.0	0.180	Type E	5.475	4.675	0.700	488789.808	97894.673
PF769	0.0	0.180	Type E	5.475	4.675	0.700	488792.504	97895.511
PF774	0.0	0.180	Type E	5.475	4.675	0.700	488793.704	97894.232
PF768	0.0	0.450	450	5.451	4.550	0.801	488795.047	97895.549
PF692	0.0	0.180	Type E	5.625	4.825	0.700	488813.347	97902.530
PF694	0.0	0.180	Type E	5.625	4.825	0.700	488809.169	97899.494
PF693	0.0	0.450	450	5.568	4.650	0.818	488808.363	97898.393
PF770	0.0	0.180	Type E	5.475	4.675	0.700	488795.833	97886.430
PF772	0.0	0.180	Type E	5.475	4.675	0.700	488797.433	97888.700
PF773	0.0	0.180	Type E	5.475	4.675	0.700	488796.594	97890.177
PF771	0.0	0.450	450	5.423	4.525	0.798	488797.903	97890.454
F92	5.0	1.350	Type C	5.354	3.880	1.324	488803.165	97894.334
PF748	0.0	0.180	Type E	5.300	4.500	0.700	488804.482	97875.438
PF750	0.0	0.180	Type E	5.300	4.500	0.700	488804.160	97876.916
PF749	0.0	0.450	450	5.303	4.350	0.853	488807.544	97879.575
PF745	0.0	0.180	Type E	5.300	4.500	0.700	488804.992	97875.823
PF747	0.0	0.180	Type E	5.300	4.500	0.700	488807.084	97878.498
PF746	0.0	0.450	450	5.299	4.300	0.899	488808.464	97878.490
PF755	0.0	0.180	Type E	5.300	4.500	0.700	488807.945	97871.763
PF757	0.0	0.180	Type E	5.300	4.500	0.700	488811.245	97872.896
PF756	0.0	0.450	450	5.284	4.350	0.834	488811.711	97874.197
F91	0.0	1.350	Type C	5.192	3.600	1.442	488816.497	97876.700
F47	2.0	1.200	Type B	5.045	3.300	1.595	488828.619	97860.666
PF713	0.0	0.180	Type E	5.250	4.450	0.700	488851.592	97876.632
PF715	0.0	0.180	Type E	5.250	4.450	0.700	488854.279	97872.545
PF714	0.0	0.450	450	5.249	4.200	0.949	488854.368	97871.247
F54	3.0	1.350	Type C	5.058	3.750	1.208	488855.339	97867.354
PF726	0.0	0.180	Type E	5.250	4.450	0.700	488838.628	97867.497
PF723	0.0	0.180	Type E	5.250	4.450	0.700	488840.200	97868.055
PF725	0.0	0.180	Type E	5.250	4.450	0.700	488843.379	97864.351
PF724	0.0	0.450	450	5.239	4.250	0.889	488843.725	97863.180
PF728	0.0	0.180	Type E	5.250	4.450	0.700	488841.338	97862.734
PF729	0.0	0.180	Type E	5.250	4.450	0.700	488840.044	97862.109
PF727	0.0	0.450	450	5.154	4.150	0.904	488840.864	97860.962
F55	0.0	1.350	Type C	4.980	3.400	1.480	488838.874	97855.708
PF738	0.0	0.180	Type E	5.175	4.375	0.700	488817.328	97860.217
PF736	0.0	0.180	Type E	5.175	4.375	0.700	488818.688	97861.086
PF737	0.0	0.450	450	5.154	4.250	0.804	488821.097	97860.700
F48	0.0	1.200	Type B	5.105	3.125	1.755	488826.955	97852.208
PF919	0.0	0.180	Type E	5.700	4.900	0.700	488683.337	97757.731

Manhole Schedule

Manhole	Units	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
PF921	0.0	0.180	Type E	5.700	4.900	0.700	488683.970	97756.782
PF920	0.0	0.450	450	5.615	4.650	0.865	488690.575	97752.071
F36	3.0	1.350	Type C	5.437	4.137	1.200	488694.345	97747.909
PF900	0.0	0.180	Type E	5.475	4.675	0.700	488706.295	97778.609
PF897	0.0	0.180	Type E	5.475	4.675	0.700	488705.554	97778.193
PF899	0.0	0.180	Type E	5.475	4.675	0.700	488706.664	97775.189
PF898	0.0	0.450	450	5.406	4.500	0.806	488707.955	97774.398
F37	3.0	1.350	Type C	5.163	3.765	1.298	488715.885	97773.781
PF868	0.0	0.180	Type E	5.100	4.300	0.700	488738.645	97813.070
PF870	0.0	0.180	Type E	5.100	4.300	0.700	488739.360	97812.142
PF871	0.0	0.180	Type E	5.100	4.300	0.700	488739.180	97809.570
PF869	0.0	0.450	450	4.996	4.000	0.896	488746.198	97807.554
F38	0.0	1.200	Type B	4.807	3.150	1.507	488749.454	97802.858
F39	10.0	1.200	Type B	4.605	2.775	1.605	488783.754	97823.486
PF1317	0.0	0.180	Type E	5.400	4.600	0.700	488739.952	97848.097
PF1318	0.0	0.180	Type E	5.400	4.600	0.700	488739.188	97849.480
PF1319	0.0	0.180	Type E	5.400	4.600	0.700	488741.855	97853.000
PF1262	0.0	0.450	450	5.273	4.300	0.873	488746.202	97852.727
PF813	0.0	0.180	Type E	5.525	4.725	0.700	488771.621	97862.098
PF815	0.0	0.180	Type E	5.525	4.725	0.700	488769.544	97859.346
PF814	0.0	0.450	450	5.479	4.500	0.879	488769.024	97857.825
PF801	0.0	0.180	Type E	5.525	4.725	0.700	488768.640	97866.172
PF803	0.0	0.180	Type E	5.525	4.725	0.700	488765.426	97865.046
PF802	0.0	0.450	450	5.514	4.550	0.864	488764.605	97863.887
F96	2.0	1.200	Type B	5.204	2.579	2.401	488758.218	97859.215
PF1295	0.0	0.180	Type E	6.150	5.350	0.700	488686.847	97840.159
PF1298	0.0	0.180	Type E	6.150	5.350	0.700	488687.194	97836.100
PF1297	0.0	0.180	Type E	6.150	5.350	0.700	488688.275	97837.426
PF1296	0.0	0.450	450	6.060	5.100	0.860	488689.425	97836.370
PF1307	0.0	0.180	Type E	6.150	5.350	0.700	488678.474	97829.628
PF1309	0.0	0.180	Type E	6.150	5.350	0.700	488679.562	97828.537
PF1308	0.0	0.450	450	6.039	5.100	0.839	488679.885	97827.121
PF1305	0.0	0.180	Type E	6.150	5.350	0.700	488680.651	97833.911
PF1306	0.0	0.180	Type E	6.150	5.350	0.700	488680.942	97829.853
PF1303	0.0	0.180	Type E	6.150	5.350	0.700	488682.042	97831.178
PF1304	0.0	0.450	450	6.074	5.100	0.874	488682.957	97830.188
PF1302	0.0	0.450	450	6.076	4.800	1.176	488685.227	97829.063
PF1190	0.0	0.180	Type E	6.075	5.275	0.700	488687.451	97808.454
PF1188	0.0	0.180	Type E	6.075	5.275	0.700	488686.076	97811.569
PF1189	0.0	0.450	450	5.978	5.150	0.728	488684.861	97812.290
PF1191	0.0	0.180	Type E	6.075	5.275	0.700	488687.881	97807.965
PF1193	0.0	0.180	Type E	6.075	5.275	0.700	488688.558	97809.362
PF1192	0.0	0.450	450	6.026	5.100	0.826	488685.884	97813.278
F101	8.0	1.200	Type B	5.825	4.150	1.525	488689.481	97824.709
PF1282	0.0	0.180	Type E	6.000	5.200	0.700	488698.548	97848.613
PF1280	0.0	0.180	Type E	6.000	5.200	0.700	488699.579	97846.008
PF1283	0.0	0.180	Type E	6.000	5.200	0.700	488698.392	97844.751
PF1281	0.0	0.450	450	5.969	5.000	0.869	488699.319	97843.787
PF1289	0.0	0.180	Type E	6.000	5.200	0.700	488694.994	97843.910
PF1287	0.0	0.180	Type E	6.000	5.200	0.700	488695.958	97842.708
PF1288	0.0	0.450	450	5.988	5.000	0.888	488696.474	97841.591
F63	7.0	1.200	Type B	5.676	3.870	1.656	488704.336	97837.597
PF1240	0.0	0.180	Type E	5.925	5.125	0.700	488701.936	97851.246
PF1238	0.0	0.180	Type E	5.925	5.125	0.700	488704.397	97849.417
PF1239	0.0	0.450	450	5.829	4.900	0.829	488704.841	97848.058
PF1227	0.0	0.180	Type E	5.850	5.050	0.700	488708.946	97856.625
PF1229	0.0	0.180	Type E	5.850	5.050	0.700	488711.447	97854.825
PF1228	0.0	0.450	450	5.767	4.800	0.867	488712.157	97853.328
PF1218	0.0	0.180	Type E	5.700	4.900	0.700	488722.367	97839.970
PF1220	0.0	0.180	Type E	5.700	4.900	0.700	488721.427	97841.191
PF1219	0.0	0.450	450	5.606	4.700	0.806	488720.355	97841.910
F64	0.0	1.200	Type B	5.548	3.650	1.748	488716.522	97847.325
PF797	0.0	0.180	Type E	5.700	4.900	0.700	488760.695	97878.022
PF795	0.0	0.180	Type E	5.700	4.900	0.700	488758.773	97877.744
PF796	0.0	0.450	450	5.688	4.750	0.838	488755.663	97875.152
PF800	0.0	0.180	Type E	5.700	4.900	0.700	488762.164	97877.516
PF798	0.0	0.180	Type E	5.700	4.900	0.700	488761.081	97878.292
PF799	0.0	0.450	450	5.679	4.700	0.879	488756.665	97873.692

Manhole Schedule

Manhole	Units	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
F40	4.0	1.200	Type B	5.368	2.520	2.623	488750.582	97869.900
PF775	0.0	0.180	Type E	5.925	5.125	0.700	488753.883	97895.423
PF777	0.0	0.180	Type E	5.925	5.125	0.700	488745.953	97891.701
PF776	0.0	0.450	450	5.884	4.870	0.914	488744.828	97890.687
PF843	0.0	0.180	Type E	5.775	4.975	0.700	488730.320	97874.350
PF846	0.0	0.180	Type E	5.775	4.975	0.700	488731.216	97878.110
PF845	0.0	0.180	Type E	5.775	4.975	0.700	488732.017	97876.578
PF844	0.0	0.450	450	5.704	4.650	0.904	488733.560	97877.404
F97	0.0	1.200	Type B	5.624	2.431	2.968	488738.884	97886.478
F41	0.0	1.200	Type A	5.947	2.308	3.414	488722.787	97909.291
PF621	0.0	0.180	Type E	6.075	5.275	0.700	488766.094	97926.724
PF623	0.0	0.180	Type E	6.075	5.275	0.700	488764.865	97925.757
PF646	0.0	0.450	450	5.928	5.025	0.803	488762.481	97926.805
PF618	0.0	0.180	Type E	6.075	5.275	0.700	488768.021	97933.591
PF620	0.0	0.180	Type E	6.075	5.275	0.700	488765.198	97931.034
PF1347	0.0	0.180	Type E	5.921	5.275	0.546	488763.377	97933.323
PF1265	0.0	0.450	450	5.916	5.000	0.816	488762.657	97933.029
PF626	0.0	0.450	450	6.018	4.890	1.028	488757.544	97935.326
PF1268	0.0	0.180	Type E	6.200	5.400	0.700	488750.223	97920.452
PF1266	0.0	0.180	Type E	6.200	5.400	0.700	488743.985	97924.218
PF1267	0.0	0.450	450	6.111	5.150	0.861	488743.353	97926.587
PF633	0.0	0.450	Unknown	6.134	4.650	1.384	488742.472	97926.880
PF640	0.0	0.180	Type E	6.300	5.500	0.700	488737.015	97912.411
F94	0.0	0.180	Type E	6.300	5.500	0.700	488731.173	97912.502
PF642	0.0	0.180	Type E	6.300	5.500	0.700	488732.066	97918.183
PF641	0.0	0.450	450	6.267	5.250	0.917	488730.239	97919.319
F93	3.0	1.200	Type B	6.088	4.400	1.538	488730.874	97925.841
F42	0.0	1.200	Type A	6.332	2.218	3.889	488715.470	97928.275
F43	0.0	1.200	Type A	5.940	2.077	3.638	488701.017	97956.944
F44	0.0	1.200	Type A	6.024	1.885	3.914	488688.952	97998.801
PF396	0.0	0.180	Type E	5.925	5.125	0.700	488674.279	98038.911
PF395	0.0	0.180	Type E	5.925	5.125	0.700	488674.349	98040.452
PF400	0.0	0.180	Type E	5.925	5.125	0.700	488676.150	98040.456
PF392	0.0	0.450	Type E	5.901	5.025	0.776	488676.262	98041.733
PF402	0.0	0.180	Type E	5.925	5.125	0.700	488681.095	98036.239
PF401	0.0	0.180	Type E	5.925	5.125	0.700	488680.742	98040.493
PF393	0.0	0.450	Type E	5.827	4.950	0.777	488681.058	98041.694
PF405	0.0	0.180	Type E	5.925	5.125	0.700	488679.260	98035.212
PF404	0.0	0.180	Type E	5.925	5.125	0.700	488682.078	98035.634
PF403	0.0	0.180	Type E	5.925	5.125	0.700	488683.857	98035.224
PF391	0.0	0.450	Type E	5.900	4.975	0.825	488684.760	98037.320
PF409	0.0	0.450	Type E	5.828	4.900	0.828	488684.791	98042.981
F35	0.0	1.200	Type A	5.760	1.035	4.425	488688.747	98048.315
DC350A	0.0	0.180	Type E	5.775	4.975	0.700	488880.139	97949.567
DC350B	0.0	0.180	Type E	5.775	4.975	0.700	488880.361	97948.077
PF155	0.0	0.450	450	5.759	4.650	1.009	488884.732	97946.287
SVP350A	0.0	0.180	Type E	5.775	4.975	0.700	488880.721	97949.410
DC350C	0.0	0.180	Type E	5.775	4.975	0.700	488883.649	97947.608
PF159	0.0	0.450	450	5.761	4.600	1.061	488884.978	97947.204
DC349A	0.0	0.180	Type E	5.775	4.975	0.700	488881.319	97953.928
DC349B	0.0	0.180	Type E	5.775	4.975	0.700	488881.540	97952.438
PF158	0.0	0.450	450	5.764	4.555	1.108	488885.905	97950.646
SVP349A	0.0	0.180	Type E	5.775	4.975	0.700	488881.900	97953.771
DC349C	0.0	0.180	Type E	5.775	4.975	0.700	488884.828	97951.969
PF157	0.0	0.450	450	5.771	4.543	1.128	488886.169	97951.622
SVP348A	0.0	0.180	Type E	5.775	4.975	0.700	488882.031	97954.253
DC348C	0.0	0.180	Type E	5.775	4.975	0.700	488885.468	97954.334
PF156	0.0	0.450	450	5.774	4.524	1.150	488886.559	97953.071
DC348B	0.0	0.180	Type E	5.775	4.975	0.700	488881.449	97954.411
DC348A	0.0	0.180	Type E	5.775	4.975	0.700	488882.391	97955.586
PF154	0.0	0.450	450	5.775	4.503	1.172	488886.988	97954.663
F100	8.0	1.350	Type C	5.583	4.225	1.208	488891.843	97954.086
F50	5.0	1.200	Type B	5.710	3.854	1.706	488905.312	98002.362
PF235	0.0	0.180	Type E	6.150	5.350	0.700	488870.424	98005.171
PF236	0.0	0.180	Type E	6.150	5.350	0.700	488871.918	98005.363
PF216	0.0	0.450	450	6.137	5.010	1.027	488873.949	98009.688
DC338C	0.0	0.180	Type E	6.150	5.350	0.700	488861.269	98007.839
DC338A	0.0	0.180	Type E	6.150	5.350	0.700	488860.113	98008.803

Manhole Schedule

Manhole	Units	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
PF215	0.0	0.450	450	6.136	4.840	1.196	488861.046	98013.447
F49	4.0	1.200	Type B	6.099	3.510	2.439	488860.712	98015.310
SVP334A	0.0	0.180	Type E	6.300	5.500	0.700	488821.847	98004.933
DC334A	0.0	0.180	Type E	6.300	5.500	0.700	488823.299	98006.039
PF239	0.0	0.450	450	6.198	5.300	0.798	488820.838	98011.711
SVP334B	0.0	0.180	Type E	6.300	5.500	0.700	488826.041	98006.815
DC334B	0.0	0.180	Type E	6.300	5.500	0.700	488823.946	98006.996
PF252	0.0	0.450	450	6.240	5.250	0.890	488823.343	98012.830
SVP335A	0.0	0.180	Type E	6.300	5.500	0.700	488825.511	98009.202
DC335A	0.0	0.180	Type E	6.300	5.500	0.700	488825.231	98011.989
PF241	0.0	0.450	450	6.262	5.210	0.952	488824.606	98013.380
SVP336B	0.0	0.180	Type E	6.300	5.500	0.700	488836.990	98014.356
DC336D	0.0	0.180	Type E	6.300	5.500	0.700	488835.095	98016.418
PF246	0.0	0.450	450	6.256	5.060	1.096	488834.978	98017.976
SVP337A	0.0	0.180	Type E	6.300	5.500	0.700	488838.421	98012.372
DC337A	0.0	0.180	Type E	6.300	5.500	0.700	488837.626	98017.800
PF247	0.0	0.450	450	6.229	5.030	1.099	488837.199	98018.959
F85	0.0	1.200	Type B	6.263	3.319	2.794	488836.022	98022.449
F99	0.0	1.200	Type B	6.198	3.150	2.898	488815.668	98013.299
SVP321B	0.0	0.180	Type E	5.475	4.675	0.700	488871.393	97915.494
DC321B	0.0	0.180	Type E	5.475	4.675	0.700	488874.135	97916.271
SVP321A	0.0	0.180	Type E	5.475	4.675	0.700	488875.586	97917.379
PF130	0.0	0.450	450	5.464	4.550	0.814	488876.599	97917.518
DC321A	0.0	0.180	Type E	5.475	4.675	0.700	488873.488	97915.314
PF131	0.0	0.450	450	5.448	4.500	0.848	488877.379	97915.853
PF136	0.0	0.450	450	5.339	4.440	0.799	488879.301	97911.572
SVP323A	0.0	0.180	Type E	5.475	4.675	0.700	488866.070	97913.103
DC323B	0.0	0.180	Type E	5.475	4.675	0.700	488863.669	97911.569
SVP323B	0.0	0.180	Type E	5.475	4.675	0.700	488861.877	97911.219
PF138	0.0	0.450	450	5.456	4.500	0.856	488860.975	97910.466
PF143	0.0	0.180	Type E	5.475	4.775	0.600	488864.813	97911.416
PF139	0.0	0.450	450	5.451	4.450	0.901	488861.655	97908.928
PF137	0.0	0.450	450	5.398	4.210	1.088	488863.744	97904.320
PF125	0.0	0.180	Type E	5.475	4.675	0.700	488845.976	97895.324
PF124	0.0	0.180	Type E	5.475	4.675	0.700	488850.188	97898.368
PF109	0.0	0.450	450	5.467	4.500	0.867	488851.374	97898.782
PF127	0.0	0.180	Type E	5.475	4.675	0.700	488852.129	97894.956
PF110	0.0	0.450	450	5.429	4.350	0.979	488853.207	97896.835
F88	0.0	0.450	450	5.381	4.180	1.101	488861.606	97903.410
PF105	0.0	0.180	Type E	5.700	4.900	0.700	488831.648	97919.194
PF1351	0.0	0.180	Type E	5.700	4.900	0.700	488835.151	97921.073
PF104	0.0	0.450	450	5.733	4.700	0.933	488836.550	97921.379
PF113	0.0	0.180	Type E	5.700	4.900	0.700	488836.615	97911.278
PF114	0.0	0.180	Type E	5.700	4.900	0.700	488839.831	97913.615
PF106	0.0	0.450	Type E	5.711	4.600	1.011	488840.239	97915.435
PF123	0.0	0.180	Type E	5.700	4.900	0.700	488840.180	97903.440
PF122	0.0	0.180	Type E	5.700	4.900	0.700	488839.783	97905.056
PF118	0.0	0.180	Type E	5.700	4.900	0.700	488845.936	97904.687
PF119	0.0	0.180	Type E	5.700	4.900	0.700	488845.360	97905.960
PF1334	0.0	0.450	450	5.659	4.750	0.809	488846.295	97906.738
PF121	0.0	0.180	Type E	5.700	4.900	0.700	488843.995	97908.099
PF107	0.0	0.450	450	5.634	4.650	0.884	488844.324	97909.652
F89	14.0	1.200	Type B	5.495	3.610	1.735	488854.629	97918.793
PF47	0.0	0.180	Type E	5.925	5.125	0.700	488823.702	97938.618
PF44	0.0	0.180	Type E	5.925	5.125	0.700	488823.682	97940.124
PF33	0.0	0.450	450	5.914	4.990	0.824	488828.045	97942.349
PF45	0.0	0.180	Type E	5.925	5.125	0.700	488824.251	97938.867
PF46	0.0	0.180	Type E	5.925	5.125	0.700	488826.852	97941.115
PF39	0.0	0.450	450	5.914	4.950	0.864	488828.695	97940.867
PF49	0.0	0.180	Type E	5.925	5.125	0.700	488825.566	97934.503
PF50	0.0	0.180	Type E	5.925	5.125	0.700	488825.545	97936.009
PF35	0.0	0.450	450	5.914	4.900	0.914	488829.912	97938.140
PF48	0.0	0.180	Type E	5.925	5.125	0.700	488826.115	97934.752
PF51	0.0	0.180	Type E	5.925	5.125	0.700	488828.716	97936.999
PF36	0.0	0.450	450	5.914	4.875	0.939	488830.553	97936.676
PF1348	0.0	0.180	Type E	5.925	5.125	0.700	488825.772	97934.048
PF53	0.0	0.180	Type E	5.925	5.125	0.700	488826.891	97933.039
PF38	0.0	0.450	450	5.914	4.850	0.964	488831.340	97934.956

Manhole Schedule

Manhole	Units	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
PF43	0.0	0.180	Type E	5.925	5.125	0.700	488827.636	97929.932
PF41	0.0	0.180	Type E	5.925	5.125	0.700	488828.734	97928.969
PF34	0.0	0.450	450	5.914	4.790	1.024	488833.226	97930.754
DC324B	0.0	0.180	Type E	5.625	4.825	0.700	488854.680	97935.541
DC324A	0.0	0.180	Type E	5.625	4.825	0.700	488854.697	97934.034
PF1	0.0	0.450	Type E	5.617	4.650	0.867	488850.625	97931.816
SVP324A	0.0	0.180	Type E	5.625	4.825	0.700	488854.131	97935.293
DC324C	0.0	0.180	Type E	5.625	4.825	0.700	488851.524	97933.052
PF2	0.0	0.450	450	5.623	4.600	0.923	488849.927	97933.403
PF1355	0.0	0.180	Type E	5.625	4.825	0.700	488853.925	97935.749
PF1354	0.0	0.180	Type E	5.625	4.825	0.700	488850.519	97935.285
PF1353	0.0	0.450	450	5.626	4.580	0.946	488849.519	97934.349
PF1358	0.0	0.180	Type E	5.625	4.825	0.700	488854.475	97935.997
PF1357	0.0	0.180	Type E	5.625	4.825	0.700	488853.359	97937.008
PF1356	0.0	0.450	450	5.630	4.555	0.975	488849.020	97935.505
PF6	0.0	0.180	Type E	5.625	4.825	0.700	488852.621	97940.116
PF8	0.0	0.180	Type E	5.625	4.825	0.700	488851.505	97941.128
PF7	0.0	0.450	450	5.631	4.650	0.881	488847.260	97939.644
PF3	0.0	0.180	Type E	5.625	4.825	0.700	488852.071	97939.869
PF5	0.0	0.180	Type E	5.625	4.825	0.700	488848.665	97939.405
PF4	0.0	0.450	450	5.637	4.500	1.037	488847.865	97938.182
F58	8.0	1.200	Type B	5.628	3.463	2.014	488846.489	97936.771
PF55	0.0	0.180	Type E	6.075	5.275	0.700	488813.926	97960.395
PF57	0.0	0.180	Type E	6.075	5.275	0.700	488813.905	97961.901
PF56	0.0	0.450	450	6.066	5.135	0.831	488818.054	97964.129
PF66	0.0	0.180	Type E	6.075	5.275	0.700	488814.475	97960.643
PF67	0.0	0.180	Type E	6.075	5.275	0.700	488817.076	97962.891
PF60	0.0	0.450	450	6.066	5.080	0.886	488818.730	97962.608
PF70	0.0	0.180	Type E	6.075	5.275	0.700	488815.790	97956.280
PF71	0.0	0.180	Type E	6.075	5.275	0.700	488815.769	97957.786
PF61	0.0	0.450	450	6.066	5.025	0.941	488819.877	97960.027
PF68	0.0	0.180	Type E	6.075	5.275	0.700	488816.339	97956.528
PF69	0.0	0.180	Type E	6.075	5.275	0.700	488818.940	97958.776
PF62	0.0	0.450	450	6.066	5.000	0.966	488820.542	97958.531
PF74	0.0	0.180	Type E	6.075	5.275	0.700	488817.115	97954.815
PF75	0.0	0.180	Type E	6.075	5.275	0.700	488819.950	97956.545
PF63	0.0	0.450	450	6.066	4.965	1.001	488821.410	97956.577
PF76	0.0	0.180	Type E	6.075	5.275	0.700	488818.409	97951.958
PF77	0.0	0.180	Type E	6.075	5.275	0.700	488821.814	97952.430
PF64	0.0	0.450	450	6.067	4.900	1.067	488822.921	97953.167
PF78	0.0	0.180	Type E	6.075	5.275	0.700	488817.860	97951.709
PF79	0.0	0.180	Type E	6.075	5.275	0.700	488818.979	97950.700
PF65	0.0	0.450	450	6.067	4.885	1.082	488823.330	97952.231
PF9	0.0	0.180	Type E	5.625	4.825	0.700	488849.316	97951.893
PF32	0.0	0.180	Type E	5.625	4.825	0.700	488848.431	97953.378
PF10	0.0	0.450	Type E	5.615	4.750	0.765	488847.510	97952.975
PF31	0.0	0.180	Type E	5.625	4.825	0.700	488849.082	97955.683
PF30	0.0	0.180	Type E	5.625	4.825	0.700	488847.691	97955.020
PF14	0.0	0.450	Type E	5.625	4.700	0.825	488846.681	97954.834
PF29	0.0	0.180	Type E	5.625	4.825	0.700	488847.126	97956.759
PF28	0.0	0.180	Type E	5.625	4.825	0.700	488846.241	97958.243
PF15	0.0	0.450	Type E	5.619	4.650	0.869	488845.334	97957.853
PF27	0.0	0.180	Type E	5.625	4.825	0.700	488846.892	97960.548
PF26	0.0	0.180	Type E	5.625	4.825	0.700	488845.502	97959.885
PF16	0.0	0.450	Type E	5.625	4.610	0.915	488844.461	97959.810
PF13	0.0	0.180	Type E	5.625	4.825	0.700	488842.514	97970.279
PF12	0.0	0.180	Type E	5.625	4.825	0.700	488841.123	97969.615
PF11	0.0	0.450	Type E	5.607	4.700	0.807	488840.398	97968.916
PF21	0.0	0.180	Type E	5.625	4.825	0.700	488841.863	97967.973
PF20	0.0	0.180	Type E	5.625	4.825	0.700	488842.748	97966.489
PF19	0.0	0.450	Type E	5.625	4.650	0.875	488841.683	97966.037
PF22	0.0	0.180	Type E	5.625	4.825	0.700	488844.703	97965.414
PF23	0.0	0.180	Type E	5.625	4.825	0.700	488843.313	97964.750
PF18	0.0	0.450	Type E	5.616	4.620	0.896	488842.584	97964.018
PF25	0.0	0.180	Type E	5.625	4.825	0.700	488844.052	97963.108
PF24	0.0	0.180	Type E	5.625	4.825	0.700	488844.937	97961.624
PF17	0.0	0.450	Type E	5.625	4.580	0.945	488843.858	97961.161
F57	3.0	1.200	Type B	5.686	3.291	2.245	488836.905	97958.012

Manhole Schedule

Manhole	Units	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
PF83	0.0	0.180	Type E	5.850	5.050	0.700	488834.107	97990.406
PF84	0.0	0.180	Type E	5.850	5.050	0.700	488832.716	97989.743
PF82	0.0	0.180	Type E	5.850	5.050	0.700	488833.455	97988.100
PF80	0.0	0.450	450	5.843	4.900	0.843	488832.037	97987.490
PF90	0.0	0.180	Type E	5.850	5.050	0.700	488837.129	97986.901
PF89	0.0	0.180	Type E	5.850	5.050	0.700	488834.342	97986.617
PF85	0.0	0.450	450	5.837	4.850	0.887	488833.049	97985.218
PF94	0.0	0.180	Type E	5.850	5.050	0.700	488836.296	97985.541
PF93	0.0	0.180	Type E	5.850	5.050	0.700	488835.645	97983.235
PF86	0.0	0.450	450	5.824	4.775	0.949	488834.221	97982.590
PF95	0.0	0.180	Type E	5.850	5.050	0.700	488839.318	97982.036
PF96	0.0	0.180	Type E	5.850	5.050	0.700	488836.532	97981.752
PF87	0.0	0.450	Type E	5.808	4.725	0.983	488835.220	97980.347
PF97	0.0	0.180	Type E	5.850	5.050	0.700	488839.519	97981.591
PF98	0.0	0.180	Type E	5.850	5.050	0.700	488837.458	97979.693
PF88	0.0	0.450	Type E	5.818	4.650	1.068	488835.822	97978.996
PF100	0.0	0.180	Type E	5.850	5.050	0.700	488840.138	97977.004
PF102	0.0	0.180	Type E	5.850	5.050	0.700	488837.981	97978.046
PF101	0.0	0.450	450	5.771	4.771	0.900	488837.479	97976.857
PF99	0.0	0.180	Type E	5.850	5.050	0.700	488838.720	97976.403
PF81	0.0	0.450	450	5.736	4.450	1.186	488837.270	97975.747
F56	0.0	1.200	Type B	5.791	3.170	2.471	488830.197	97972.563
F98	0.0	1.200	Type A	6.132	2.920	3.062	488817.141	98002.739
PF297	0.0	0.180	Type E	6.350	5.550	0.700	488779.179	98030.988
PF298	0.0	0.180	Type E	6.350	5.550	0.700	488780.285	98029.536
PF277	0.0	0.450	450	6.223	5.350	0.773	488785.956	98031.803
PF301	0.0	0.180	Type E	6.350	5.550	0.700	488781.242	98028.890
PF302	0.0	0.180	Type E	6.350	5.550	0.700	488785.264	98030.321
PF300	0.0	0.450	450	6.258	5.300	0.858	488786.702	98030.147
PF306	0.0	0.180	Type E	6.350	5.550	0.700	488786.469	98023.817
PF307	0.0	0.180	Type E	6.350	5.550	0.700	488787.860	98024.479
PF278	0.0	0.450	450	6.318	5.150	1.068	488789.260	98024.461
F83	5.0	1.350	Type C	6.339	5.043	1.146	488791.848	98023.928
F78	6.0	1.200	Type A	6.272	2.814	3.308	488804.075	97996.784
F79	5.0	1.200	Type A	6.283	2.425	3.708	488756.782	97974.052
SVP297A	0.0	0.180	Type E	6.075	5.275	0.700	488755.243	98003.088
DC297C	0.0	0.180	Type E	6.075	5.275	0.700	488751.797	98002.555
PF366	0.0	0.450	450	5.990	5.000	0.890	488750.589	98002.018
DC297A	0.0	0.180	Type E	6.075	5.275	0.700	488755.743	98003.321
DC297B	0.0	0.180	Type E	6.075	5.275	0.700	488754.592	98004.362
PF367	0.0	0.450	450	6.042	4.950	0.992	488750.001	98003.242
SVP298A	0.0	0.180	Type E	6.075	5.375	0.600	488751.587	98010.800
DC298C	0.0	0.180	Type E	6.075	5.275	0.700	488749.012	98008.523
PF364	0.0	0.450	450	5.980	5.000	0.880	488747.749	98007.926
DC298A	0.0	0.180	Type E	6.075	5.275	0.700	488752.133	98011.055
DC298B	0.0	0.180	Type E	6.075	5.275	0.700	488752.171	98009.549
PF365	0.0	0.450	450	6.037	4.900	1.037	488748.278	98006.828
F80	2.0	1.200	Type A	5.997	2.172	3.675	488740.360	98003.976
SVP300A	0.0	0.180	Type E	5.850	5.050	0.700	488746.437	98032.027
DC300A	0.0	0.180	Type E	5.850	5.050	0.700	488746.582	98030.207
PF376	0.0	0.450	Type E	5.740	4.850	0.790	488740.523	98028.284
SVP300B	0.0	0.180	Type E	5.850	5.050	0.700	488747.835	98027.647
DC300B	0.0	0.180	Type E	5.850	5.050	0.700	488746.301	98029.087
DC300C	0.0	0.180	Type E	5.850	5.050	0.700	488742.352	98027.468
PF387	0.0	0.450	450	5.775	4.850	0.825	488741.602	98026.379
DC299C	0.0	0.180	Type E	5.850	5.050	0.700	488745.797	98021.821
DC299B	0.0	0.180	Type E	5.850	5.050	0.700	488744.319	98021.385
PF378	0.0	0.450	450	5.815	4.850	0.865	488743.484	98021.449
PF377	0.0	0.450	450	5.785	4.650	1.035	488741.177	98025.539
F81	0.0	1.200	Type A	5.798	2.022	3.627	488734.847	98023.510
F82	0.0	1.200	Type A	5.847	1.730	3.967	488702.324	98045.028
F9	0.0	1.350	Type A	5.652	0.800	4.552	488702.309	98053.120
F17	185.0	1.200	Type B	4.689	2.700	1.839	488665.093	98367.376
F19	0.0	1.200	Type B	4.891	2.400	2.341	488695.075	98343.656
F20	19.0	1.200	Type B	4.927	2.275	2.502	488699.682	98328.408
F1	15.0	1.200	Unknown	5.000	4.000	0.850	488744.837	98298.401
F2	0.0	1.200	Unknown	4.848	3.700	0.998	488715.347	98288.201
F3	0.0	1.200	Type B	4.913	1.775	2.838	488698.852	98282.866

Manhole Schedule

Manhole	Units	Diameter (m)	Type	CL (m)	IL (m)	Depth To Soffit (m)	Easting (m)	Northing (m)
F4	0.0	1.200	Type B	4.634	1.575	2.759	488707.046	98237.574
F15	65.0	1.200	Type B	5.066	2.200	2.716	488683.711	98193.058
F16	0.0	1.350	Type B	4.847	1.950	2.597	488686.357	98200.349
F5	124.0	1.200	Type B	4.611	1.375	2.936	488715.568	98213.625
F21	0.0	1.200	Type A	4.644	1.275	3.069	488720.532	98204.538
F6	0.0	1.200	Type A	4.789	1.175	3.389	488725.496	98195.451
F7	0.0	1.200	Type A	4.866	1.075	3.491	488737.900	98184.497
F10	90.0	1.350	Type C	5.605	4.000	1.455	488872.641	98152.649
F11	0.0	1.200	Type B	5.583	3.700	1.733	488866.041	98137.476
F12	0.0	1.200	Type B	5.429	3.400	1.879	488830.163	98152.121
F13	0.0	1.200	Type A	5.077	0.300	4.477	488757.726	98175.813
F14	0.0	1.200	Type A	5.729	0.200	5.229	488760.125	98183.413

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	PF1175	5.275	PF1176	5.150	Circ	0.1mØ	3.320	26.6	1.500	0.700	0.796
2.000	PF1178	5.275	PF1176	5.150	Circ	0.1mØ	2.240	17.9	1.500	0.700	0.796
3.000	PF1177	5.275	PF1176	5.150	Circ	0.1mØ	1.136	9.1	1.500	0.700	0.796
1.001	PF1176	5.150	PF1180	5.000	Circ	0.1mØ	2.531	16.9	1.500	0.796	0.853
4.000	PF1179	5.275	PF1180	5.000	Circ	0.1mØ	4.339	15.8	1.500	0.700	0.853
5.000	PF1181	5.275	PF1180	5.000	Circ	0.1mØ	1.635	5.9	1.500	0.700	0.853
1.002	PF1180	5.000	F60	4.650	Circ	0.1mØ	10.609	30.3	1.500	0.853	1.115
6.000	PF1168	5.200	PF1169	4.975	Circ	0.1mØ	2.660	11.8	1.500	0.700	0.810
7.000	PF1170	5.200	PF1169	4.975	Circ	0.1mØ	1.219	5.4	1.500	0.700	0.810
6.001	PF1169	4.975	F60	4.650	Circ	0.1mØ	9.687	29.8	1.500	0.810	1.115
1.003	F60	4.600	F61	4.200	Circ	0.15mØ	31.136	77.8	1.500	1.115	1.219
8.000	PF1112	4.975	PF1113	4.650	Circ	0.1mØ	4.748	14.6	1.500	0.700	0.972
9.000	PF1115	4.975	PF1113	4.650	Circ	0.1mØ	1.742	5.4	1.500	0.700	0.972
10.000	PF1114	4.975	PF1113	4.650	Circ	0.1mØ	1.372	4.2	1.500	0.700	0.972
8.001	PF1113	4.650	F61	4.250	Circ	0.1mØ	9.760	24.4	1.500	0.972	1.219
11.000	PF1034	5.200	PF1035	4.900	Circ	0.1mØ	5.729	19.1	1.500	0.627	0.836
12.000	PF1037	5.200	PF1035	4.900	Circ	0.1mØ	5.667	18.9	1.500	0.661	0.836
13.000	PF1036	5.200	PF1035	4.900	Circ	0.1mØ	1.455	4.9	1.500	0.548	0.836
11.001	PF1035	4.900	F61	4.250	Circ	0.1mØ	6.962	10.7	1.500	0.836	1.219
14.000	PF1111	4.900	PF1110	4.600	Circ	0.1mØ	2.479	8.3	1.500	0.700	0.936
15.000	PF1109	4.900	PF1110	4.600	Circ	0.1mØ	1.000	3.3	1.500	0.700	0.936
14.001	PF1110	4.600	F61	4.250	Circ	0.1mØ	6.924	19.8	1.500	0.936	1.219
1.004	F61	4.200	F62	3.475	Circ	0.15mØ	36.956	51.0	1.500	1.219	1.595
16.000	PF922	4.825	PF923	4.575	Circ	0.1mØ	8.820	35.3	1.500	0.700	0.917
16.001	PF923	4.575	F22	4.050	Circ	0.1mØ	10.161	19.4	1.500	0.917	1.198
16.002	F22	4.050	F23	3.830	Circ	0.1mØ	12.967	58.9	1.500	1.198	1.325
16.003	F23	3.830	F62	3.525	Circ	0.1mØ	24.143	79.2	1.500	1.325	1.595
1.005	F62	3.475	F24	3.098	Circ	0.15mØ	50.172	133.0	1.500	1.595	2.162
17.000	PF950	4.675	PF949	4.425	Circ	0.1mØ	9.592	38.4	1.500	0.700	0.848
18.000	PF948	4.675	PF949	4.425	Circ	0.1mØ	9.495	38.0	1.500	0.700	0.848
19.000	PF951	4.675	PF949	4.425	Circ	0.1mØ	6.115	24.5	1.500	0.700	0.848
17.001	PF949	4.425	PF1310	4.150	Circ	0.1mØ	21.812	79.3	1.500	0.848	1.283
20.000	PF958	4.825	PF957	4.500	Circ	0.1mØ	4.427	13.6	1.500	0.602	0.943
21.000	PF956	4.825	PF957	4.500	Circ	0.1mØ	4.204	12.9	1.500	0.565	0.943
22.000	PF959	4.825	PF957	4.500	Circ	0.1mØ	2.257	6.9	1.500	0.685	0.943
20.001	PF957	4.500	PF1310	4.150	Circ	0.1mØ	1.701	4.9	1.500	0.943	1.283
17.002	PF1310	4.150	F24	3.148	Circ	0.1mØ	9.658	9.6	1.500	1.283	2.162
1.006	F24	3.098	F25	2.967	Circ	0.15mØ	17.376	133.0	1.500	2.162	2.418
23.000	PF967	4.975	PF965	4.750	Circ	0.1mØ	8.688	38.6	1.500	0.700	0.864
24.000	PF966	4.975	PF965	4.750	Circ	0.1mØ	6.676	29.7	1.500	0.700	0.864
25.000	PF964	4.975	PF965	4.750	Circ	0.1mØ	6.383	28.4	1.500	0.700	0.864
23.001	PF965	4.750	PF969	4.600	Circ	0.1mØ	3.159	21.1	1.500	0.864	1.038
26.000	PF968	4.975	PF969	4.600	Circ	0.1mØ	8.819	23.5	1.500	0.700	1.038
27.000	PF971	4.975	PF972	4.750	Circ	0.1mØ	6.557	29.1	1.500	0.700	0.877
28.000	PF973	4.975	PF972	4.750	Circ	0.1mØ	4.564	20.3	1.500	0.700	0.877
29.000	PF970	4.975	PF972	4.750	Circ	0.1mØ	1.117	5.0	1.500	0.700	0.877
27.001	PF972	4.750	PF969	4.600	Circ	0.1mØ	0.918	6.1	1.500	0.877	1.038
23.002	PF969	4.600	F25	4.450	Circ	0.1mØ	6.663	44.4	1.500	1.038	0.985
1.007	F25	2.967	F26	2.645	Circ	0.15mØ	42.806	133.0	1.500	2.418	2.380

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)
30.000	PF985	4.675	PF984	4.300	Circ	0.1mØ	9.254	24.7	1.500	0.700	1.025
31.000	PF983	4.675	PF984	4.300	Circ	0.1mØ	5.793	15.4	1.500	0.700	1.025
30.001	PF984	4.300	F26	3.850	Circ	0.1mØ	9.866	21.9	1.500	1.025	1.225
1.008	F26	2.645	F27	2.450	Circ	0.15mØ	25.942	133.0	1.500	2.380	2.505
32.000	PF994	4.525	PF993	4.300	Circ	0.1mØ	6.929	30.8	1.500	0.700	0.935
33.000	PF992	4.525	PF993	4.300	Circ	0.1mØ	5.009	22.3	1.500	0.700	0.935
34.000	PF995	4.525	PF993	4.300	Circ	0.1mØ	1.414	6.3	1.500	0.700	0.935
32.001	PF993	4.300	PF997	4.220	Circ	0.1mØ	3.183	39.8	1.500	0.935	0.964
35.000	PF996	4.525	PF997	4.220	Circ	0.1mØ	9.129	29.9	1.500	0.700	0.964
36.000	PF998	4.525	PF997	4.220	Circ	0.1mØ	7.056	23.1	1.500	0.700	0.964
32.002	PF997	4.220	PF1311	4.075	Circ	0.1mØ	3.454	23.8	1.500	0.964	1.028
37.000	PF999	4.325	PF1311	4.075	Circ	0.1mØ	10.080	40.3	1.500	0.900	1.028
38.000	PF1000	4.325	PF1311	4.075	Circ	0.1mØ	6.230	24.9	1.500	0.900	1.028
32.003	PF1311	4.075	F27	4.000	Circ	0.1mØ	4.738	63.2	1.500	1.028	1.005
1.009	F27	2.450	F28	2.215	Circ	0.15mØ	30.792	130.9	1.500	2.505	3.332
39.000	SVP178A	5.400	PF423	5.200	Circ	0.1mØ	7.264	36.3	1.500	0.700	0.847
40.000	DC178A	5.400	PF423	5.200	Circ	0.1mØ	6.314	31.6	1.500	0.700	0.847
41.000	PF428	5.500	PF423	5.200	Circ	0.1mØ	1.308	4.4	1.500	0.600	0.847
39.001	PF423	5.200	PF424	5.100	Circ	0.1mØ	1.514	15.1	1.500	0.847	0.979
42.000	SVP178B	5.400	PF424	5.100	Circ	0.1mØ	6.841	22.8	1.500	0.700	0.979
43.000	DC178B	5.400	PF424	5.100	Circ	0.1mØ	6.090	20.3	1.500	0.700	0.979
39.002	PF424	5.100	PF425	4.985	Circ	0.1mØ	5.411	47.0	1.500	0.979	1.111
44.000	DC179B	5.400	PF438	5.200	Circ	0.1mØ	2.525	12.6	1.500	0.700	0.863
45.000	SVP179B	5.400	PF438	5.200	Circ	0.1mØ	1.753	8.8	1.500	0.700	0.863
46.000	DC179C	5.400	PF438	5.200	Circ	0.1mØ	1.057	5.3	1.500	0.700	0.863
44.001	PF438	5.200	PF425	4.985	Circ	0.1mØ	1.020	4.7	1.500	0.863	1.111
39.003	PF425	4.985	F77	4.889	Circ	0.1mØ	7.382	76.5	1.500	1.111	1.200
47.000	SVP180A	5.575	PF440	5.250	Circ	0.1mØ	9.282	28.6	1.500	0.700	0.914
48.000	DC180A	5.575	PF440	5.250	Circ	0.1mØ	9.052	27.9	1.500	0.700	0.914
49.000	DC180C	5.575	PF443	5.300	Circ	0.1mØ	5.692	20.7	1.500	0.700	0.835
50.000	DC180B	5.575	PF443	5.300	Circ	0.1mØ	5.123	18.6	1.500	0.700	0.835
51.000	SVP180B	5.575	PF443	5.300	Circ	0.1mØ	1.570	5.7	1.500	0.700	0.835
49.001	PF443	5.300	PF440	5.250	Circ	0.1mØ	1.074	21.5	1.500	0.835	0.914
47.001	PF440	5.250	F77	4.889	Circ	0.1mØ	11.301	31.3	1.500	0.914	1.200
39.004	F77	4.889	F70	4.735	Circ	0.1mØ	12.309	80.0	1.500	1.200	1.376
52.000	SVP181A	5.650	PF448	5.400	Circ	0.1mØ	5.906	23.6	1.500	0.700	0.929
53.000	DC181C	5.650	PF448	5.400	Circ	0.1mØ	4.176	16.7	1.500	0.700	0.929
52.001	PF448	5.400	F70	4.735	Circ	0.1mØ	4.668	7.0	1.500	0.929	1.376
39.005	F70	4.735	F71	4.335	Circ	0.1mØ	31.603	79.1	1.500	1.376	1.625
54.000	DC185B	5.425	PF470	5.200	Circ	0.1mØ	5.812	25.8	1.500	0.700	0.883
55.000	DC185A	5.425	PF470	5.200	Circ	0.1mØ	4.986	22.2	1.500	0.700	0.883
54.001	PF470	5.200	F71	4.310	Circ	0.1mØ	6.565	7.4	1.500	0.883	1.650
39.006	F71	4.260	F72	4.027	Circ	0.15mØ	30.991	133.0	1.500	1.650	1.678
56.000	PF491	5.250	PF492	5.000	Circ	0.1mØ	6.419	25.7	1.500	0.700	0.925
57.000	PF493	5.250	PF492	5.000	Circ	0.1mØ	4.086	16.3	1.500	0.700	0.925
56.001	PF492	5.000	F72	4.927	Circ	0.1mØ	3.760	51.5	1.500	0.925	0.828
39.007	F72	4.027	F73	3.865	Circ	0.15mØ	15.684	96.8	1.500	1.678	1.739
58.000	PF503	5.125	PF504	4.850	Circ	0.1mØ	6.449	23.5	1.500	0.700	0.962
59.000	PF505	5.125	PF504	4.850	Circ	0.1mØ	4.236	15.4	1.500	0.700	0.962
58.001	PF504	4.850	F73	4.550	Circ	0.1mØ	4.030	13.4	1.500	0.962	1.104
39.008	F73	3.865	F74	3.500	Circ	0.15mØ	34.932	95.7	1.500	1.739	1.795
60.000	SVP248B	5.200	PF1042	4.900	Circ	0.1mØ	10.467	34.9	1.500	0.700	0.875
61.000	DC248B	5.200	PF1042	4.900	Circ	0.1mØ	5.979	19.9	1.500	0.700	0.875
62.000	DC248C	5.200	PF1042	4.900	Circ	0.1mØ	1.557	5.2	1.500	0.700	0.875
60.001	PF1042	4.900	F75	4.450	Circ	0.1mØ	8.662	19.2	1.500	0.875	1.320
63.000	SVP249A	5.275	PF1047	5.000	Circ	0.1mØ	4.145	15.1	1.500	0.700	0.865
64.000	DC249A	5.275	PF1047	5.000	Circ	0.1mØ	1.470	5.3	1.500	0.700	0.865
63.001	PF1047	5.000	F75	4.450	Circ	0.1mØ	6.315	11.5	1.500	0.865	1.320
60.002	F75	4.450	F76	4.000	Circ	0.1mØ	34.093	75.8	1.500	1.320	1.552
65.000	SVP251A	5.050	PF1126	4.900	Circ	0.1mØ	4.720	31.5	1.500	0.700	0.835
66.000	DC251A	5.050	PF1126	4.900	Circ	0.1mØ	2.094	14.0	1.500	0.700	0.835
67.000	SVP251B	5.050	PF1126	4.900	Circ	0.1mØ	1.168	7.8	1.500	0.700	0.835
65.001	PF1126	4.900	PF1127	4.700	Circ	0.1mØ	6.784	33.9	1.500	0.835	0.976
68.000	SVP252A	5.050	PF1127	4.700	Circ	0.1mØ	4.113	11.8	1.500	0.700	0.976
69.000	DC252A	5.050	PF1127	4.700	Circ	0.1mØ	1.351	3.9	1.500	0.700	0.976
65.002	PF1127	4.700	F76	4.000	Circ	0.1mØ	7.418	10.6	1.500	0.976	1.552
70.000	PF1140	4.900	PF1141	4.600	Circ	0.1mØ	4.152	13.8	1.500	0.700	0.952
71.000	PF1142	4.900	PF1141	4.600	Circ	0.1mØ	2.134	7.1	1.500	0.700	0.952

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)
72.000	PF1143	4.900	PF1141	4.600	Circ	0.1mØ	1.190	4.0	1.500	0.700	0.952
70.001	PF1141	4.600	F76	4.000	Circ	0.1mØ	5.107	8.5	1.500	0.952	1.552
60.003	F76	4.000	F90	3.745	Circ	0.1mØ	18.095	71.0	1.500	1.552	1.696
73.000	SVP254A	4.975	PF1148	4.800	Circ	0.1mØ	4.687	26.8	1.500	0.700	0.815
74.000	DC254A	4.975	PF1148	4.800	Circ	0.1mØ	1.790	10.2	1.500	0.700	0.815
75.000	SVP254B	4.975	PF1148	4.800	Circ	0.1mØ	1.129	6.4	1.500	0.700	0.815
73.001	PF1148	4.800	F90	4.300	Circ	0.1mØ	9.641	19.3	1.500	0.815	1.141
76.000	PF1154	4.900	PF1155	4.700	Circ	0.1mØ	4.155	20.8	1.500	0.700	0.812
77.000	PF1156	4.900	PF1155	4.700	Circ	0.1mØ	2.138	10.7	1.500	0.700	0.812
78.000	PF1157	4.900	PF1155	4.700	Circ	0.1mØ	1.178	5.9	1.500	0.700	0.812
76.001	PF1155	4.700	F90	4.300	Circ	0.1mØ	5.678	14.2	1.500	0.812	1.141
60.004	F90	3.745	F74	3.550	Circ	0.1mØ	15.385	78.9	1.500	1.696	1.795
39.009	F74	3.500	F68	3.250	Circ	0.15mØ	30.169	120.7	1.500	1.795	2.015
79.000	DC227B	5.125	PF1029	4.850	Circ	0.1mØ	9.411	34.2	1.500	0.700	0.915
80.000	DC227C	5.125	PF1029	4.850	Circ	0.1mØ	9.406	34.2	1.500	0.700	0.915
81.000	DC227A	5.125	PF1029	4.850	Circ	0.1mØ	5.518	20.1	1.500	0.700	0.915
79.001	PF1029	4.850	F65	4.500	Circ	0.1mØ	4.308	12.3	1.500	0.915	1.230
82.000	DC227E	5.125	PF1033	4.850	Circ	0.1mØ	5.083	18.5	1.500	0.700	0.937
83.000	DC227D	5.125	PF1033	4.850	Circ	0.1mØ	4.885	17.8	1.500	0.700	0.937
84.000	DC227F	5.125	PF1033	4.850	Circ	0.1mØ	1.144	4.2	1.500	0.700	0.937
82.001	PF1033	4.850	F65	4.500	Circ	0.1mØ	6.518	18.6	1.500	0.937	1.230
79.002	F65	4.500	F66	4.200	Circ	0.1mØ	12.489	41.6	1.500	1.230	1.477
85.000	SVP228A	5.050	PF1023	4.800	Circ	0.1mØ	7.537	30.1	1.500	0.700	0.830
86.000	DC228A	5.050	PF1023	4.800	Circ	0.1mØ	7.279	29.1	1.500	0.700	0.830
87.000	SVP228B	5.050	PF1023	4.800	Circ	0.1mØ	3.596	14.4	1.500	0.700	0.830
85.001	PF1023	4.800	F66	4.200	Circ	0.1mØ	8.707	14.5	1.500	0.830	1.477
79.003	F66	4.200	F67	3.650	Circ	0.1mØ	28.546	51.9	1.500	1.477	1.850
88.000	PF1085	5.050	PF1086	4.900	Circ	0.1mØ	4.665	31.1	1.500	0.700	0.807
89.000	PF1087	5.050	PF1086	4.900	Circ	0.1mØ	1.256	8.4	1.500	0.700	0.807
88.001	PF1086	4.900	PF1089	4.850	Circ	0.1mØ	1.031	20.6	1.500	0.807	0.869
90.000	PF1088	5.050	PF1089	4.850	Circ	0.1mØ	5.579	27.9	1.500	0.700	0.869
91.000	PF1090	5.050	PF1089	4.850	Circ	0.1mØ	4.635	23.2	1.500	0.700	0.869
88.002	PF1089	4.850	PF1083	4.700	Circ	0.1mØ	4.427	29.5	1.500	0.869	1.008
92.000	PF1082	5.050	PF1083	4.700	Circ	0.1mØ	5.601	16.0	1.500	0.700	1.008
93.000	PF1084	5.050	PF1083	4.700	Circ	0.1mØ	4.656	13.3	1.500	0.700	1.008
88.003	PF1083	4.700	F86	4.400	Circ	0.1mØ	2.278	7.6	1.500	1.008	1.251
88.004	F86	4.400	F87	4.000	Circ	0.1mØ	23.553	58.8	1.500	1.251	1.494
88.005	F87	4.000	F67	3.650	Circ	0.1mØ	16.995	48.6	1.500	1.494	1.850
94.000	PF1008	4.900	PF1009	4.500	Circ	0.1mØ	8.040	20.1	1.500	0.700	0.945
95.000	PF1010	4.900	PF1009	4.500	Circ	0.1mØ	7.793	19.5	1.500	0.700	0.945
96.000	PF1011	4.900	PF1009	4.500	Circ	0.1mØ	4.065	10.2	1.500	0.700	0.945
94.001	PF1009	4.500	F67	3.650	Circ	0.1mØ	7.458	8.8	1.500	0.945	1.850
79.004	F67	3.600	F68	3.250	Circ	0.15mØ	22.153	63.3	1.500	1.850	2.015
97.000	PF526	4.900	PF525	4.550	Circ	0.1mØ	5.041	14.4	1.500	0.700	0.976
98.000	PF524	4.900	PF525	4.550	Circ	0.1mØ	4.811	13.7	1.500	0.700	0.976
99.000	PF527	4.900	PF525	4.550	Circ	0.1mØ	2.535	7.2	1.500	0.700	0.976
97.001	PF525	4.550	F68	4.300	Circ	0.1mØ	6.886	27.5	1.500	0.976	1.015
39.010	F68	3.250	F69	2.600	Circ	0.15mØ	16.887	26.0	1.500	2.015	2.823
100.000	PF1324	4.975	PF1325	4.700	Circ	0.1mØ	10.003	36.4	1.500	0.700	0.913
101.000	PF1327	4.975	PF1325	4.700	Circ	0.1mØ	5.504	20.0	1.500	0.700	0.913
102.000	PF1328	4.975	PF1325	4.700	Circ	0.1mØ	4.949	18.0	1.500	0.700	0.913
103.000	PF1326	4.975	PF1325	4.700	Circ	0.1mØ	4.035	14.7	1.500	0.700	0.913
100.001	PF1325	4.700	F69	4.550	Circ	0.1mØ	9.257	61.7	1.500	0.913	0.923
39.011	F69	2.600	F28	2.375	Circ	0.15mØ	7.579	33.7	1.500	2.823	3.172
1.010	F28	2.140	F29	1.935	Circ	0.225mØ	46.173	225.2	1.500	3.332	3.480
104.000	PF1332	4.915	PF1333	4.865	Circ	0.1mØ	1.570	31.4	1.500	0.684	0.714
104.001	PF1333	4.865	PF541	4.615	Circ	0.1mØ	10.115	40.5	1.500	0.714	1.076
105.000	PF542	5.050	PF541	4.615	Circ	0.1mØ	7.134	16.4	1.500	0.700	1.076
106.000	PF540	5.050	PF541	4.615	Circ	0.1mØ	1.850	4.3	1.500	0.700	1.076
104.002	PF541	4.615	PF1270	4.475	Circ	0.1mØ	10.890	77.8	1.500	1.076	1.241
107.000	PF533	5.125	PF1330	4.850	Circ	0.1mØ	5.095	18.5	1.500	0.700	0.810
108.000	PF531	5.125	PF1330	4.850	Circ	0.1mØ	4.976	18.1	1.500	0.700	0.810
109.000	PF1329	5.125	PF1330	4.850	Circ	0.1mØ	0.821	3.0	1.500	0.549	0.810
107.001	PF1330	4.850	PF1331	4.750	Circ	0.1mØ	4.344	43.4	1.500	0.810	0.906
107.002	PF1331	4.750	PF1270	4.475	Circ	0.1mØ	10.084	36.7	1.500	0.906	1.241
110.000	PF534	5.125	PF535	4.900	Circ	0.1mØ	6.724	29.9	1.500	0.700	0.830
111.000	PF536	5.125	PF535	4.900	Circ	0.1mØ	2.977	13.2	1.500	0.700	0.830
110.001	PF535	4.900	PF1270	4.475	Circ	0.1mØ	2.239	5.3	1.500	0.830	1.241

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)
104.003	PF1270	4.475	F29	4.350	Circ	0.1mØ	4.918	39.3	1.500	1.241	1.190
1.011	F29	1.935	F95	1.782	Circ	0.225mØ	34.938	228.8	1.500	3.480	3.374
112.000	PF550	4.900	PF548	4.650	Circ	0.1mØ	9.089	36.4	1.500	0.700	0.907
113.000	PF547	4.900	PF548	4.650	Circ	0.1mØ	9.050	36.2	1.500	0.700	0.907
114.000	PF549	4.900	PF548	4.650	Circ	0.1mØ	5.481	21.9	1.500	0.700	0.907
112.001	PF548	4.650	F95	4.475	Circ	0.1mØ	12.051	68.9	1.500	0.907	0.806
115.000	PF551	4.825	PF552	4.675	Circ	0.1mØ	4.764	31.8	1.500	0.700	0.804
116.000	PF553	4.825	PF552	4.675	Circ	0.1mØ	1.809	12.1	1.500	0.700	0.804
117.000	PF557	4.825	PF552	4.675	Circ	0.1mØ	1.297	8.6	1.500	0.700	0.804
115.001	PF552	4.675	PF555	4.650	Circ	0.1mØ	3.008	120.3	1.500	0.804	0.821
118.000	PF556	4.825	PF555	4.650	Circ	0.1mØ	3.275	18.7	1.500	0.700	0.821
119.000	PF554	4.825	PF555	4.650	Circ	0.1mØ	1.747	10.0	1.500	0.700	0.821
115.002	PF555	4.650	F95	4.475	Circ	0.1mØ	4.195	24.0	1.500	0.821	0.806
1.012	F95	1.782	F30	1.714	Circ	0.225mØ	15.510	228.8	1.500	3.374	3.327
120.000	PF560	4.750	PF559	4.600	Circ	0.1mØ	3.402	22.7	1.500	0.700	0.815
121.000	PF558	4.750	PF559	4.600	Circ	0.1mØ	2.382	15.9	1.500	0.700	0.815
122.000	PF564	4.750	PF559	4.600	Circ	0.1mØ	1.117	7.4	1.500	0.700	0.815
120.001	PF559	4.600	PF562	4.500	Circ	0.1mØ	2.495	24.9	1.500	0.815	0.861
123.000	PF561	4.750	PF562	4.500	Circ	0.1mØ	4.734	18.9	1.500	0.700	0.861
124.000	PF563	4.750	PF562	4.500	Circ	0.1mØ	2.027	8.1	1.500	0.700	0.861
120.002	PF562	4.500	F30	4.400	Circ	0.1mØ	4.753	47.5	1.500	0.861	0.766
1.013	F30	1.714	F31	1.639	Circ	0.225mØ	17.101	227.0	1.500	3.327	3.275
125.000	PF1337	4.675	PF566	4.475	Circ	0.1mØ	7.307	36.5	1.500	0.700	0.882
126.000	PF1336	4.675	PF566	4.475	Circ	0.1mØ	7.290	36.4	1.500	0.700	0.882
125.001	PF566	4.475	PF1269	4.250	Circ	0.1mØ	13.221	58.8	1.500	0.882	0.978
127.000	PF573	4.600	PF574	4.450	Circ	0.1mØ	4.875	32.5	1.500	0.700	0.803
128.000	PF575	4.600	PF574	4.450	Circ	0.1mØ	1.914	12.8	1.500	0.700	0.803
129.000	PF579	4.600	PF574	4.450	Circ	0.1mØ	1.275	8.5	1.500	0.700	0.803
127.001	PF574	4.450	PF1269	4.250	Circ	0.1mØ	6.461	32.3	1.500	0.803	0.978
130.000	PF578	4.600	PF577	4.350	Circ	0.1mØ	2.179	8.7	1.500	0.700	0.806
131.000	PF576	4.600	PF577	4.350	Circ	0.1mØ	1.474	5.9	1.500	0.700	0.806
130.001	PF577	4.350	PF1269	4.250	Circ	0.1mØ	3.600	36.0	1.500	0.806	0.978
125.002	PF1269	4.250	F31	4.100	Circ	0.1mØ	4.279	28.5	1.500	0.978	0.939
1.014	F31	1.639	F32	1.555	Circ	0.225mØ	19.662	233.3	1.500	3.275	3.292
132.000	PF592	4.655	PF591	4.475	Circ	0.1mØ	6.871	38.1	1.500	0.700	0.859
133.000	PF590	4.655	PF591	4.475	Circ	0.1mØ	6.593	36.5	1.500	0.700	0.859
132.001	PF591	4.475	PF588	4.425	Circ	0.1mØ	2.110	42.2	1.500	0.859	0.904
134.000	PF589	4.655	PF588	4.425	Circ	0.1mØ	6.067	26.3	1.500	0.700	0.904
135.000	PF587	4.655	PF588	4.425	Circ	0.1mØ	4.288	18.6	1.500	0.700	0.904
132.002	PF588	4.425	PF594	4.375	Circ	0.1mØ	2.110	42.2	1.500	0.904	0.948
136.000	PF595	4.655	PF594	4.375	Circ	0.1mØ	6.039	21.5	1.500	0.700	0.948
137.000	PF593	4.655	PF594	4.375	Circ	0.1mØ	4.408	15.7	1.500	0.700	0.948
132.003	PF594	4.375	PF597	4.350	Circ	0.1mØ	1.378	55.1	1.500	0.948	0.967
138.000	PF598	4.655	PF597	4.350	Circ	0.1mØ	6.904	22.6	1.500	0.700	0.967
139.000	PF596	4.655	PF597	4.350	Circ	0.1mØ	6.629	21.7	1.500	0.700	0.967
132.004	PF597	4.350	PF1271	3.950	Circ	0.1mØ	11.127	27.8	1.500	0.967	1.224
140.000	PF582	4.525	PF581	4.325	Circ	0.1mØ	2.700	13.5	1.500	0.700	0.791
141.000	PF580	4.525	PF581	4.325	Circ	0.1mØ	1.245	6.2	1.500	0.700	0.791
140.001	PF581	4.325	PF1271	3.950	Circ	0.1mØ	4.802	12.8	1.500	0.791	1.224
142.000	PF583	4.525	PF584	4.300	Circ	0.1mØ	4.645	20.6	1.500	0.700	0.865
143.000	PF585	4.525	PF584	4.300	Circ	0.1mØ	1.628	7.2	1.500	0.700	0.865
144.000	PF586	4.525	PF584	4.300	Circ	0.1mØ	1.397	6.2	1.500	0.700	0.865
142.001	PF584	4.300	PF1271	3.950	Circ	0.1mØ	2.327	6.6	1.500	0.865	1.224
132.005	PF1271	3.950	F32	3.700	Circ	0.1mØ	5.284	21.1	1.500	1.224	1.272
1.015	F32	1.555	F33	1.360	Circ	0.225mØ	43.665	224.2	1.500	3.292	3.768
145.000	PF601	4.750	PF600	4.550	Circ	0.1mØ	3.054	15.3	1.500	0.700	0.799
146.000	PF599	4.750	PF600	4.550	Circ	0.1mØ	1.587	7.9	1.500	0.700	0.799
145.001	PF600	4.550	PF616	4.300	Circ	0.1mØ	11.316	45.3	1.500	0.799	1.196
147.000	PF617	4.825	PF616	4.300	Circ	0.1mØ	7.076	13.5	1.500	0.700	1.196
148.000	PF615	4.825	PF616	4.300	Circ	0.1mØ	6.863	13.1	1.500	0.700	1.196
145.002	PF616	4.300	F33	4.050	Circ	0.1mØ	8.733	34.9	1.500	1.196	1.203
149.000	PF609	4.825	PF610	4.525	Circ	0.1mØ	5.905	19.7	1.500	0.700	0.988
150.000	PF611	4.825	PF610	4.525	Circ	0.1mØ	4.217	14.1	1.500	0.700	0.988
149.001	PF610	4.525	F33	4.050	Circ	0.1mØ	6.782	14.3	1.500	0.988	1.203
1.016	F33	1.360	F34	1.237	Circ	0.225mØ	28.030	227.0	1.500	3.768	4.095
151.000	PF412	5.050	PF410	4.900	Circ	0.1mØ	5.001	33.3	1.500	0.700	0.746
152.000	PF413	5.050	PF410	4.900	Circ	0.1mØ	1.793	12.0	1.500	0.700	0.746
151.001	PF410	4.900	PF419	4.800	Circ	0.1mØ	5.356	53.6	1.500	0.746	0.925

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)
153.000	PF420	5.050	PF421	4.850	Circ	0.1mØ	5.421	27.1	1.500	0.700	0.880
154.000	PF422	5.050	PF421	4.850	Circ	0.1mØ	4.374	21.9	1.500	0.700	0.880
153.001	PF421	4.850	PF419	4.800	Circ	0.1mØ	0.681	13.6	1.500	0.880	0.925
155.000	PF417	5.050	PF411	4.900	Circ	0.1mØ	4.449	29.7	1.500	0.700	0.783
156.000	PF418	5.050	PF411	4.900	Circ	0.1mØ	1.133	7.6	1.500	0.700	0.783
155.001	PF411	4.900	PF419	4.800	Circ	0.1mØ	1.383	13.8	1.500	0.783	0.925
151.002	PF419	4.800	F34	4.650	Circ	0.1mØ	7.449	49.7	1.500	0.925	0.806
1.017	F34	1.237	F35	1.110	Circ	0.225mØ	27.737	219.1	1.500	4.095	4.425
157.000	PF650	5.050	PF651	4.900	Circ	0.1mØ	5.480	36.5	1.500	0.700	0.851
158.000	PF652	5.050	PF651	4.900	Circ	0.1mØ	4.670	31.1	1.500	0.700	0.851
157.001	PF651	4.900	PF665	4.750	Circ	0.1mØ	9.057	60.4	1.500	0.851	0.987
159.000	PF661	5.050	PF660	4.900	Circ	0.1mØ	5.640	37.6	1.500	0.700	0.844
160.000	PF659	5.050	PF660	4.900	Circ	0.1mØ	4.767	31.8	1.500	0.700	0.844
159.001	PF660	4.900	PF665	4.750	Circ	0.1mØ	1.786	11.9	1.500	0.844	0.987
157.002	PF665	4.750	F45	4.333	Circ	0.1mØ	5.639	13.5	1.500	0.987	1.200
157.003	F45	4.283	F46	4.170	Circ	0.15mØ	14.645	129.9	1.500	1.200	1.202
161.000	PF666	4.900	PF667	4.750	Circ	0.1mØ	4.840	32.3	1.500	0.700	0.819
162.000	PF668	4.900	PF667	4.750	Circ	0.1mØ	2.098	14.0	1.500	0.700	0.819
163.000	PF678	4.900	PF667	4.750	Circ	0.1mØ	1.394	9.3	1.500	0.700	0.819
161.001	PF667	4.750	PF679	4.400	Circ	0.1mØ	6.533	18.7	1.500	0.819	1.173
164.000	PF675	4.900	PF676	4.750	Circ	0.1mØ	4.646	31.0	1.500	0.700	0.809
165.000	PF677	4.900	PF676	4.750	Circ	0.1mØ	1.892	12.6	1.500	0.700	0.809
166.000	PF680	4.900	PF676	4.750	Circ	0.1mØ	1.594	10.6	1.500	0.700	0.809
164.001	PF676	4.750	PF679	4.400	Circ	0.1mØ	1.282	3.7	1.500	0.809	1.173
161.002	PF679	4.400	F46	4.220	Circ	0.1mØ	4.873	27.1	1.500	1.173	1.202
167.000	PF1259	4.825	PF1257	4.675	Circ	0.1mØ	3.445	23.0	1.500	0.700	0.840
168.000	PF1256	4.825	PF1257	4.675	Circ	0.1mØ	2.277	15.2	1.500	0.700	0.840
167.001	PF1257	4.675	PF1253	4.625	Circ	0.1mØ	1.692	33.8	1.500	0.840	0.893
169.000	PF1254	4.825	PF1253	4.625	Circ	0.1mØ	2.229	11.1	1.500	0.700	0.893
170.000	PF1258	4.825	PF1253	4.625	Circ	0.1mØ	1.621	8.1	1.500	0.700	0.893
167.002	PF1253	4.625	PF1250	4.500	Circ	0.1mØ	2.695	21.6	1.500	0.893	1.010
171.000	PF1249	4.825	PF1250	4.500	Circ	0.1mØ	1.970	6.1	1.500	0.700	1.010
172.000	PF1251	4.825	PF1250	4.500	Circ	0.1mØ	1.751	5.4	1.500	0.700	1.010
167.003	PF1250	4.500	F46	4.220	Circ	0.1mØ	6.330	22.6	1.500	1.010	1.202
157.004	F46	4.170	F92	3.880	Circ	0.15mØ	23.025	79.4	1.500	1.202	1.324
173.000	PF767	4.675	PF768	4.550	Circ	0.1mØ	5.312	42.5	1.500	0.700	0.801
174.000	PF769	4.675	PF768	4.550	Circ	0.1mØ	2.543	20.3	1.500	0.700	0.801
175.000	PF774	4.675	PF768	4.550	Circ	0.1mØ	1.881	15.0	1.500	0.700	0.801
173.001	PF768	4.550	F92	4.430	Circ	0.1mØ	8.208	68.4	1.500	0.801	0.824
176.000	PF692	4.825	PF693	4.650	Circ	0.1mØ	6.477	37.0	1.500	0.700	0.818
177.000	PF694	4.825	PF693	4.650	Circ	0.1mØ	1.364	7.8	1.500	0.700	0.818
176.001	PF693	4.650	F92	4.430	Circ	0.1mØ	6.595	30.0	1.500	0.818	0.824
178.000	PF770	4.675	PF771	4.525	Circ	0.1mØ	4.525	30.2	1.500	0.700	0.798
179.000	PF772	4.675	PF771	4.525	Circ	0.1mØ	1.815	12.1	1.500	0.700	0.798
180.000	PF773	4.675	PF771	4.525	Circ	0.1mØ	1.338	8.9	1.500	0.700	0.798
178.001	PF771	4.525	F92	4.430	Circ	0.1mØ	6.538	68.8	1.500	0.798	0.824
157.005	F92	3.880	F91	3.600	Circ	0.15mØ	22.106	79.0	1.500	1.324	1.442
181.000	PF748	4.500	PF749	4.350	Circ	0.1mØ	5.146	34.3	1.500	0.700	0.853
182.000	PF750	4.500	PF749	4.350	Circ	0.1mØ	4.304	28.7	1.500	0.700	0.853
181.001	PF749	4.350	PF746	4.300	Circ	0.1mØ	1.422	28.4	1.500	0.853	0.899
183.000	PF745	4.500	PF746	4.300	Circ	0.1mØ	4.377	21.9	1.500	0.700	0.899
184.000	PF747	4.500	PF746	4.300	Circ	0.1mØ	1.380	6.9	1.500	0.700	0.899
181.002	PF746	4.300	F91	4.150	Circ	0.1mØ	8.229	54.9	1.500	0.899	0.942
185.000	PF755	4.500	PF756	4.350	Circ	0.1mØ	4.484	29.9	1.500	0.700	0.834
186.000	PF757	4.500	PF756	4.350	Circ	0.1mØ	1.382	9.2	1.500	0.700	0.834
185.001	PF756	4.350	F91	4.150	Circ	0.1mØ	5.401	27.0	1.500	0.834	0.942
157.006	F91	3.600	F47	3.300	Circ	0.15mØ	20.102	67.0	1.500	1.442	1.595
157.007	F47	3.300	F48	3.200	Circ	0.15mØ	8.620	86.2	1.500	1.595	1.755
187.000	PF713	4.450	PF714	4.200	Circ	0.1mØ	6.058	24.2	1.500	0.700	0.949
188.000	PF715	4.450	PF714	4.200	Circ	0.1mØ	1.301	5.2	1.500	0.700	0.949
187.001	PF714	4.200	F54	3.750	Circ	0.1mØ	4.012	8.9	1.500	0.949	1.208
187.002	F54	3.750	F55	3.400	Circ	0.1mØ	20.167	57.6	1.500	1.208	1.480
189.000	PF726	4.450	PF724	4.250	Circ	0.1mØ	6.680	33.4	1.500	0.700	0.889
190.000	PF723	4.450	PF724	4.250	Circ	0.1mØ	6.016	30.1	1.500	0.700	0.889
191.000	PF725	4.450	PF724	4.250	Circ	0.1mØ	1.221	6.1	1.500	0.700	0.889
189.001	PF724	4.250	PF727	4.150	Circ	0.1mØ	3.620	36.2	1.500	0.889	0.904
192.000	PF728	4.450	PF727	4.150	Circ	0.1mØ	1.834	6.1	1.500	0.700	0.904
193.000	PF729	4.450	PF727	4.150	Circ	0.1mØ	1.410	4.7	1.500	0.700	0.904

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)
189.002	PF727	4.150	F55	3.400	Circ	0.1mØ	5.618	7.5	1.500	0.904	1.480
187.003	F55	3.400	F48	3.250	Circ	0.1mØ	12.422	82.8	1.500	1.480	1.755
194.000	PF738	4.375	PF737	4.250	Circ	0.1mØ	3.800	30.4	1.500	0.700	0.804
195.000	PF736	4.375	PF737	4.250	Circ	0.1mØ	2.439	19.5	1.500	0.700	0.804
194.001	PF737	4.250	F48	3.250	Circ	0.1mØ	10.317	10.3	1.500	0.804	1.755
157.008	F48	3.125	F39	2.775	Circ	0.225mØ	51.878	148.2	1.500	1.755	1.605
196.000	PF919	4.900	PF920	4.650	Circ	0.1mØ	9.188	36.8	1.500	0.700	0.865
197.000	PF921	4.900	PF920	4.650	Circ	0.1mØ	8.113	32.5	1.500	0.700	0.865
196.001	PF920	4.650	F36	4.137	Circ	0.1mØ	5.616	10.9	1.500	0.865	1.200
196.002	F36	4.137	F37	3.765	Circ	0.1mØ	33.665	90.5	1.500	1.200	1.298
198.000	PF900	4.675	PF898	4.500	Circ	0.1mØ	4.527	25.9	1.500	0.700	0.806
199.000	PF897	4.675	PF898	4.500	Circ	0.1mØ	4.491	25.7	1.500	0.700	0.806
200.000	PF899	4.675	PF898	4.500	Circ	0.1mØ	1.513	8.6	1.500	0.700	0.806
198.001	PF898	4.500	F37	3.765	Circ	0.1mØ	7.954	10.8	1.500	0.806	1.298
196.003	F37	3.765	F38	3.200	Circ	0.1mØ	44.412	78.6	1.500	1.298	1.507
201.000	PF868	4.300	PF869	4.000	Circ	0.1mØ	9.352	31.2	1.500	0.700	0.896
202.000	PF870	4.300	PF869	4.000	Circ	0.1mØ	8.234	27.4	1.500	0.700	0.896
203.000	PF871	4.300	PF869	4.000	Circ	0.1mØ	7.302	24.3	1.500	0.700	0.896
201.001	PF869	4.000	F38	3.200	Circ	0.1mØ	5.714	7.1	1.500	0.896	1.507
196.004	F38	3.150	F39	2.850	Circ	0.15mØ	40.025	133.4	1.500	1.507	1.605
157.009	F39	2.775	F96	2.579	Circ	0.225mØ	43.916	223.9	1.500	1.605	2.401
204.000	PF1317	4.600	PF1262	4.300	Circ	0.1mØ	7.779	25.9	1.500	0.700	0.873
205.000	PF1318	4.600	PF1262	4.300	Circ	0.1mØ	7.730	25.8	1.500	0.700	0.873
206.000	PF1319	4.600	PF1262	4.300	Circ	0.1mØ	4.356	14.5	1.500	0.700	0.873
204.001	PF1262	4.300	F96	3.204	Circ	0.1mØ	13.656	12.5	1.500	0.873	1.901
207.000	PF813	4.725	PF814	4.500	Circ	0.1mØ	5.000	22.2	1.500	0.700	0.879
208.000	PF815	4.725	PF814	4.500	Circ	0.1mØ	1.607	7.1	1.500	0.700	0.879
207.001	PF814	4.500	F96	4.100	Circ	0.1mØ	10.895	27.2	1.500	0.879	1.004
209.000	PF801	4.725	PF802	4.550	Circ	0.1mØ	4.638	26.5	1.500	0.700	0.864
210.000	PF803	4.725	PF802	4.550	Circ	0.1mØ	1.421	8.1	1.500	0.700	0.864
209.001	PF802	4.550	F96	4.100	Circ	0.1mØ	7.912	17.6	1.500	0.864	1.004
157.010	F96	2.579	F40	2.520	Circ	0.225mØ	13.133	223.9	1.500	2.401	2.623
211.000	PF1295	5.350	PF1296	5.100	Circ	0.1mØ	4.583	18.3	1.500	0.700	0.860
212.000	PF1298	5.350	PF1296	5.100	Circ	0.1mØ	2.247	9.0	1.500	0.700	0.860
213.000	PF1297	5.350	PF1296	5.100	Circ	0.1mØ	1.561	6.2	1.500	0.700	0.860
211.001	PF1296	5.100	PF1302	4.800	Circ	0.1mØ	8.427	28.1	1.500	0.860	1.176
214.000	PF1307	5.350	PF1308	5.100	Circ	0.1mØ	2.876	11.5	1.500	0.700	0.839
215.000	PF1309	5.350	PF1308	5.100	Circ	0.1mØ	1.452	5.8	1.500	0.700	0.839
214.001	PF1308	5.100	PF1302	4.800	Circ	0.1mØ	5.684	18.9	1.500	0.839	1.176
216.000	PF1305	5.350	PF1304	5.100	Circ	0.1mØ	4.379	17.5	1.500	0.700	0.874
217.000	PF1306	5.350	PF1304	5.100	Circ	0.1mØ	2.043	8.2	1.500	0.700	0.874
218.000	PF1303	5.350	PF1304	5.100	Circ	0.1mØ	1.348	5.4	1.500	0.700	0.874
216.001	PF1304	5.100	PF1302	4.800	Circ	0.1mØ	2.534	8.4	1.500	0.874	1.176
211.002	PF1302	4.800	F101	4.200	Circ	0.1mØ	6.087	10.1	1.500	1.176	1.525
219.000	PF1190	5.275	PF1189	5.150	Circ	0.1mØ	4.629	37.0	1.500	0.700	0.728
220.000	PF1188	5.275	PF1189	5.150	Circ	0.1mØ	1.413	11.3	1.500	0.700	0.728
219.001	PF1189	5.150	PF1192	5.100	Circ	0.1mØ	1.422	28.4	1.500	0.728	0.826
221.000	PF1191	5.275	PF1192	5.100	Circ	0.1mØ	5.677	32.4	1.500	0.700	0.826
222.000	PF1193	5.275	PF1192	5.100	Circ	0.1mØ	4.743	27.1	1.500	0.700	0.826
219.002	PF1192	5.100	F101	4.200	Circ	0.1mØ	11.983	13.3	1.500	0.826	1.525
211.003	F101	4.150	F63	3.870	Circ	0.15mØ	19.667	70.2	1.500	1.525	1.656
223.000	PF1282	5.200	PF1281	5.000	Circ	0.1mØ	4.886	24.4	1.500	0.700	0.869
224.000	PF1280	5.200	PF1281	5.000	Circ	0.1mØ	2.236	11.2	1.500	0.700	0.869
225.000	PF1283	5.200	PF1281	5.000	Circ	0.1mØ	1.337	6.7	1.500	0.700	0.869
223.001	PF1281	5.000	F63	4.670	Circ	0.1mØ	7.968	24.1	1.500	0.869	0.906
226.000	PF1289	5.200	PF1288	5.000	Circ	0.1mØ	2.751	13.8	1.500	0.700	0.888
227.000	PF1287	5.200	PF1288	5.000	Circ	0.1mØ	1.230	6.2	1.500	0.700	0.888
226.001	PF1288	5.000	F63	4.670	Circ	0.1mØ	8.818	26.7	1.500	0.888	0.906
211.004	F63	3.870	F64	3.650	Circ	0.15mØ	15.593	70.9	1.500	1.656	1.748
228.000	PF1240	5.125	PF1239	4.900	Circ	0.1mØ	4.313	19.2	1.500	0.700	0.829
229.000	PF1238	5.125	PF1239	4.900	Circ	0.1mØ	1.429	6.4	1.500	0.700	0.829
228.001	PF1239	4.900	F64	4.500	Circ	0.1mØ	11.704	29.3	1.500	0.829	0.948
230.000	PF1227	5.050	PF1228	4.800	Circ	0.1mØ	4.602	18.4	1.500	0.700	0.867
231.000	PF1229	5.050	PF1228	4.800	Circ	0.1mØ	1.657	6.6	1.500	0.700	0.867
230.001	PF1228	4.800	F64	4.500	Circ	0.1mØ	7.423	24.7	1.500	0.867	0.948
232.000	PF1218	4.900	PF1219	4.700	Circ	0.1mØ	2.795	14.0	1.500	0.700	0.806
233.000	PF1220	4.900	PF1219	4.700	Circ	0.1mØ	1.291	6.5	1.500	0.700	0.806
232.001	PF1219	4.700	F64	3.700	Circ	0.1mØ	6.633	6.6	1.500	0.806	1.748

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)
211.005	F64	3.650	F40	2.595	Circ	0.15mØ	40.862	38.7	1.500	1.748	2.623
234.000	PF797	4.900	PF796	4.750	Circ	0.1mØ	5.793	38.6	1.500	0.700	0.838
235.000	PF795	4.900	PF796	4.750	Circ	0.1mØ	4.048	27.0	1.500	0.700	0.838
234.001	PF796	4.750	PF799	4.700	Circ	0.1mØ	1.771	35.4	1.500	0.838	0.879
236.000	PF800	4.900	PF799	4.700	Circ	0.1mØ	6.698	33.5	1.500	0.700	0.879
237.000	PF798	4.900	PF799	4.700	Circ	0.1mØ	6.377	31.9	1.500	0.700	0.879
234.002	PF799	4.700	F40	4.300	Circ	0.1mØ	7.168	17.9	1.500	0.879	0.968
157.011	F40	2.520	F97	2.431	Circ	0.225mØ	20.290	227.0	1.500	2.623	2.968
238.000	PF775	5.125	PF776	4.870	Circ	0.1mØ	10.219	40.1	1.500	0.700	0.914
239.000	PF777	5.125	PF776	4.870	Circ	0.1mØ	1.515	5.9	1.500	0.700	0.914
238.001	PF776	4.870	F97	4.400	Circ	0.1mØ	7.283	15.5	1.500	0.914	1.124
240.000	PF843	4.975	PF844	4.700	Circ	0.1mØ	4.452	16.2	1.500	0.700	0.904
241.000	PF846	4.975	PF844	4.700	Circ	0.1mØ	2.448	8.9	1.500	0.700	0.904
242.000	PF845	4.975	PF844	4.700	Circ	0.1mØ	1.749	6.4	1.500	0.700	0.904
240.001	PF844	4.650	F97	4.400	Circ	0.15mØ	10.521	42.1	1.500	0.904	1.074
157.012	F97	2.431	F41	2.308	Circ	0.225mØ	27.921	227.0	1.500	2.968	3.414
157.013	F41	2.308	F42	2.218	Circ	0.225mØ	20.346	227.0	1.500	3.414	3.889
243.000	PF621	5.275	PF646	5.025	Circ	0.1mØ	3.614	14.5	1.500	0.700	0.803
244.000	PF623	5.275	PF646	5.025	Circ	0.1mØ	2.604	10.4	1.500	0.700	0.803
243.001	PF646	5.025	PF626	4.890	Circ	0.1mØ	9.847	72.9	1.500	0.803	1.028
245.000	PF618	5.275	PF1265	5.000	Circ	0.1mØ	5.394	19.6	1.500	0.700	0.816
246.000	PF620	5.275	PF1265	5.000	Circ	0.1mØ	3.231	11.7	1.500	0.700	0.816
247.000	PF1347	5.275	PF1265	5.000	Circ	0.1mØ	0.779	2.8	1.500	0.546	0.816
245.001	PF1265	5.000	PF626	4.890	Circ	0.1mØ	5.604	50.9	1.500	0.816	1.028
243.002	PF626	4.890	PF633	4.650	Circ	0.1mØ	17.277	72.0	1.500	1.028	1.384
248.000	PF1268	5.400	PF1267	5.150	Circ	0.1mØ	9.211	36.8	1.500	0.700	0.861
249.000	PF1266	5.400	PF1267	5.150	Circ	0.1mØ	2.452	9.8	1.500	0.700	0.861
248.001	PF1267	5.150	PF633	4.650	Circ	0.1mØ	0.929	1.9	1.500	0.861	1.384
243.003	PF633	4.650	F93	4.450	Circ	0.1mØ	11.644	58.2	1.500	1.384	1.538
250.000	PF640	5.500	PF641	5.250	Circ	0.1mØ	9.676	38.7	1.500	0.700	0.917
251.000	F94	5.500	PF641	5.250	Circ	0.1mØ	6.880	27.5	1.500	0.700	0.917
252.000	PF642	5.500	PF641	5.250	Circ	0.1mØ	2.151	8.6	1.500	0.700	0.917
250.001	PF641	5.250	F93	4.450	Circ	0.1mØ	6.552	8.2	1.500	0.917	1.538
243.004	F93	4.400	F42	2.293	Circ	0.15mØ	15.596	7.4	1.500	1.538	3.889
157.014	F42	2.218	F43	2.077	Circ	0.225mØ	32.105	227.0	1.500	3.889	3.638
157.015	F43	2.077	F44	1.885	Circ	0.225mØ	43.561	227.0	1.500	3.638	3.914
157.016	F44	1.885	F35	1.110	Circ	0.225mØ	49.514	63.9	1.500	3.914	4.425
253.000	PF396	5.125	PF392	5.025	Circ	0.1mØ	3.449	34.5	1.500	0.700	0.776
254.000	PF395	5.125	PF392	5.025	Circ	0.1mØ	2.302	23.0	1.500	0.700	0.776
255.000	PF400	5.125	PF392	5.025	Circ	0.1mØ	1.281	12.8	1.500	0.700	0.776
253.001	PF392	5.025	PF393	4.950	Circ	0.1mØ	4.795	63.9	1.500	0.776	0.777
256.000	PF402	5.125	PF393	4.950	Circ	0.1mØ	5.454	31.2	1.500	0.700	0.777
257.000	PF401	5.125	PF393	4.950	Circ	0.1mØ	1.241	7.1	1.500	0.700	0.777
253.002	PF393	4.950	PF409	4.900	Circ	0.1mØ	3.949	79.0	1.500	0.777	0.828
258.000	PF405	5.125	PF391	4.975	Circ	0.1mØ	5.891	39.3	1.500	0.700	0.825
259.000	PF404	5.125	PF391	4.975	Circ	0.1mØ	3.168	21.1	1.500	0.700	0.825
260.000	PF403	5.125	PF391	4.975	Circ	0.1mØ	2.282	15.2	1.500	0.700	0.825
258.001	PF391	4.975	PF409	4.900	Circ	0.1mØ	5.661	75.5	1.500	0.825	0.828
253.003	PF409	4.900	F35	4.750	Circ	0.1mØ	6.641	44.3	1.500	0.828	0.910
1.018	F35	1.035	F9	0.800	Circ	0.3mØ	14.388	61.2	1.500	4.425	4.552
261.000	DC350A	4.975	PF155	4.650	Circ	0.1mØ	5.644	17.4	1.500	0.700	1.009
262.000	DC350B	4.975	PF155	4.650	Circ	0.1mØ	4.724	14.5	1.500	0.700	1.009
261.001	PF155	4.650	PF159	4.600	Circ	0.1mØ	0.949	19.0	1.500	1.009	1.061
263.000	SVP350A	4.975	PF159	4.600	Circ	0.1mØ	4.794	12.8	1.500	0.700	1.061
264.000	DC350C	4.975	PF159	4.600	Circ	0.1mØ	1.389	3.7	1.500	0.700	1.061
261.002	PF159	4.600	PF158	4.555	Circ	0.1mØ	3.565	80.0	1.500	1.061	1.108
265.000	DC349A	4.975	PF158	4.720	Circ	0.1mØ	5.640	22.1	1.500	0.700	0.944
266.000	DC349B	4.975	PF158	4.720	Circ	0.1mØ	4.719	18.5	1.500	0.700	0.944
261.003	PF158	4.555	PF157	4.543	Circ	0.1mØ	1.011	80.0	1.500	1.108	1.128
267.000	SVP349A	4.975	PF157	4.750	Circ	0.1mØ	4.778	21.2	1.500	0.700	0.921
268.000	DC349C	4.975	PF157	4.750	Circ	0.1mØ	1.384	6.2	1.500	0.700	0.921
261.004	PF157	4.543	PF156	4.524	Circ	0.1mØ	1.501	80.0	1.500	1.128	1.150
269.000	SVP348A	4.975	PF156	4.800	Circ	0.1mØ	4.680	26.7	1.500	0.700	0.874
270.000	DC348C	4.975	PF156	4.524	Circ	0.1mØ	1.669	3.7	1.500	0.700	1.150
261.005	PF156	4.524	PF154	4.503	Circ	0.1mØ	1.648	80.0	1.500	1.150	1.172
271.000	DC348B	4.975	PF154	4.503	Circ	0.1mØ	5.544	11.7	1.500	0.700	1.172
272.000	DC348A	4.975	PF154	4.503	Circ	0.1mØ	4.689	9.9	1.500	0.700	1.172
261.006	PF154	4.503	F100	4.275	Circ	0.1mØ	4.889	21.4	1.500	1.172	1.208

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)
261.007	F100	4.225	F50	3.854	Circ	0.15mØ	50.120	135.0	1.500	1.208	1.706
261.008	F50	3.854	F49	3.510	Circ	0.15mØ	46.441	135.0	1.500	1.706	2.439
273.000	PF235	5.350	PF216	5.010	Circ	0.1mØ	5.730	16.9	1.500	0.700	1.027
274.000	PF236	5.350	PF216	5.010	Circ	0.1mØ	4.778	14.1	1.500	0.700	1.027
273.001	PF216	5.010	PF215	4.840	Circ	0.1mØ	13.440	79.1	1.500	1.027	1.196
275.000	DC338C	5.350	PF215	4.840	Circ	0.1mØ	5.613	11.0	1.500	0.700	1.196
276.000	DC338A	5.350	PF215	4.840	Circ	0.1mØ	4.736	9.3	1.500	0.700	1.196
273.002	PF215	4.840	F49	4.800	Circ	0.1mØ	1.893	47.3	1.500	1.196	1.199
261.009	F49	3.510	F85	3.319	Circ	0.15mØ	25.702	135.0	1.500	2.439	2.794
277.000	SVP334A	5.500	PF239	5.300	Circ	0.1mØ	6.853	34.3	1.500	0.700	0.798
278.000	DC334A	5.500	PF239	5.300	Circ	0.1mØ	6.183	30.9	1.500	0.700	0.798
277.001	PF239	5.300	PF252	5.250	Circ	0.1mØ	2.744	54.9	1.500	0.798	0.890
279.000	SVP334B	5.500	PF252	5.250	Circ	0.1mØ	6.593	26.4	1.500	0.700	0.890
280.000	DC334B	5.500	PF252	5.250	Circ	0.1mØ	5.865	23.5	1.500	0.700	0.890
277.002	PF252	5.250	PF241	5.210	Circ	0.1mØ	1.378	34.4	1.500	0.890	0.952
281.000	SVP335A	5.500	PF241	5.210	Circ	0.1mØ	4.275	14.7	1.500	0.700	0.952
282.000	DC335A	5.500	PF241	5.210	Circ	0.1mØ	1.525	5.3	1.500	0.700	0.952
277.003	PF241	5.210	PF246	5.060	Circ	0.1mØ	11.344	75.6	1.500	0.952	1.096
283.000	SVP336B	5.500	PF246	5.060	Circ	0.1mØ	4.141	9.4	1.500	0.700	1.096
284.000	DC336D	5.500	PF246	5.060	Circ	0.1mØ	1.562	3.5	1.500	0.700	1.096
277.004	PF246	5.060	PF247	5.030	Circ	0.1mØ	2.429	81.0	1.500	1.096	1.099
285.000	SVP337A	5.500	PF247	5.030	Circ	0.1mØ	6.699	14.3	1.500	0.700	1.099
286.000	DC337A	5.500	PF247	5.030	Circ	0.1mØ	1.235	2.6	1.500	0.700	1.099
277.005	PF247	5.030	F85	4.700	Circ	0.1mØ	3.683	11.2	1.500	1.099	1.463
261.010	F85	3.319	F99	3.150	Circ	0.15mØ	22.316	131.8	1.500	2.794	2.898
261.011	F99	3.150	F98	2.920	Circ	0.15mØ	10.662	46.4	1.500	2.898	3.062
287.000	SVP321B	4.675	PF131	4.500	Circ	0.1mØ	5.997	34.3	1.500	0.700	0.848
288.000	DC321B	4.675	PF130	4.550	Circ	0.1mØ	2.761	22.1	1.500	0.700	0.814
289.000	SVP321A	4.675	PF130	4.550	Circ	0.1mØ	1.022	8.2	1.500	0.700	0.814
288.001	PF130	4.550	PF131	4.500	Circ	0.1mØ	1.839	36.8	1.500	0.814	0.848
290.000	DC321A	4.675	PF131	4.500	Circ	0.1mØ	3.928	22.4	1.500	0.700	0.848
287.001	PF131	4.500	PF136	4.440	Circ	0.1mØ	4.693	78.2	1.500	0.848	0.799
287.002	PF136	4.440	PF137	4.210	Circ	0.1mØ	17.164	74.6	1.500	0.799	1.088
291.000	SVP323A	4.675	PF139	4.450	Circ	0.1mØ	6.077	27.0	1.500	0.700	0.901
292.000	DC323B	4.675	PF138	4.500	Circ	0.1mØ	2.911	16.6	1.500	0.700	0.856
293.000	SVP323B	4.675	PF138	4.500	Circ	0.1mØ	1.175	6.7	1.500	0.700	0.856
292.001	PF138	4.500	PF139	4.450	Circ	0.1mØ	1.682	33.6	1.500	0.856	0.901
294.000	PF143	4.775	PF139	4.450	Circ	0.1mØ	4.021	12.4	1.500	0.600	0.901
291.001	PF139	4.450	PF137	4.210	Circ	0.1mØ	5.059	21.1	1.500	0.901	1.088
287.003	PF137	4.210	F88	4.180	Circ	0.1mØ	2.324	77.5	1.500	1.088	1.101
295.000	PF125	4.675	PF109	4.500	Circ	0.1mØ	6.410	36.6	1.500	0.700	0.867
296.000	PF124	4.675	PF109	4.500	Circ	0.1mØ	1.256	7.2	1.500	0.700	0.867
295.001	PF109	4.500	PF110	4.350	Circ	0.1mØ	2.674	17.8	1.500	0.867	0.979
297.000	PF127	4.675	PF110	4.350	Circ	0.1mØ	2.167	6.7	1.500	0.700	0.979
295.002	PF110	4.350	F88	4.180	Circ	0.1mØ	10.667	62.7	1.500	0.979	1.101
287.004	F88	4.180	F89	3.660	Circ	0.1mØ	16.892	32.5	1.500	1.101	1.735
298.000	PF105	4.900	PF104	4.700	Circ	0.1mØ	5.367	26.8	1.500	0.700	0.933
299.000	PF1351	4.900	PF104	4.700	Circ	0.1mØ	1.432	7.2	1.500	0.700	0.933
298.001	PF104	4.700	PF106	4.600	Circ	0.1mØ	6.996	70.0	1.500	0.933	1.011
300.000	PF113	4.900	PF106	4.600	Circ	0.1mØ	5.515	18.4	1.500	0.700	1.011
301.000	PF114	4.900	PF106	4.600	Circ	0.1mØ	1.866	6.2	1.500	0.700	1.011
298.002	PF106	4.600	F89	4.380	Circ	0.1mØ	14.776	67.2	1.500	1.011	1.015
302.000	PF123	4.900	PF107	4.650	Circ	0.1mØ	7.467	29.9	1.500	0.700	0.884
303.000	PF122	4.900	PF107	4.650	Circ	0.1mØ	6.461	25.8	1.500	0.700	0.884
304.000	PF118	4.900	PF1334	4.750	Circ	0.1mØ	2.082	13.9	1.500	0.700	0.809
305.000	PF119	4.900	PF1334	4.750	Circ	0.1mØ	1.216	8.1	1.500	0.700	0.809
304.001	PF1334	4.750	PF107	4.650	Circ	0.1mØ	3.518	35.2	1.500	0.809	0.884
306.000	PF121	4.900	PF107	4.650	Circ	0.1mØ	1.587	6.3	1.500	0.700	0.884
302.001	PF107	4.650	F89	4.380	Circ	0.1mØ	13.775	51.0	1.500	0.884	1.015
287.005	F89	3.610	F58	3.463	Circ	0.15mØ	19.735	134.9	1.500	1.735	2.014
307.000	PF47	5.125	PF33	4.990	Circ	0.1mØ	5.726	42.4	1.500	0.700	0.824
308.000	PF44	5.125	PF33	4.990	Circ	0.1mØ	4.898	36.3	1.500	0.700	0.824
307.001	PF33	4.990	PF39	4.950	Circ	0.1mØ	1.619	40.5	1.500	0.824	0.864
309.000	PF45	5.125	PF39	4.950	Circ	0.1mØ	4.873	27.8	1.500	0.700	0.864
310.000	PF46	5.125	PF39	4.950	Circ	0.1mØ	1.860	10.6	1.500	0.700	0.864
307.002	PF39	4.950	PF35	4.900	Circ	0.1mØ	2.986	59.7	1.500	0.864	0.914
311.000	PF49	5.125	PF35	4.900	Circ	0.1mØ	5.667	25.2	1.500	0.700	0.914
312.000	PF50	5.125	PF35	4.900	Circ	0.1mØ	4.859	21.6	1.500	0.700	0.914

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)
307.003	PF35	4.900	PF36	4.875	Circ	0.1mØ	1.598	63.9	1.500	0.914	0.939
313.000	PF48	5.125	PF36	4.875	Circ	0.1mØ	4.837	19.3	1.500	0.700	0.939
314.000	PF51	5.125	PF36	4.875	Circ	0.1mØ	1.865	7.5	1.500	0.700	0.939
307.004	PF36	4.875	PF38	4.850	Circ	0.1mØ	1.891	75.7	1.500	0.939	0.964
315.000	PF1348	5.125	PF38	4.850	Circ	0.1mØ	5.641	20.5	1.500	0.700	0.964
316.000	PF53	5.125	PF38	4.850	Circ	0.1mØ	4.845	17.6	1.500	0.700	0.964
307.005	PF38	4.850	PF34	4.790	Circ	0.1mØ	4.606	76.8	1.500	0.964	1.024
317.000	PF43	5.125	PF34	4.790	Circ	0.1mØ	5.650	16.9	1.500	0.700	1.024
318.000	PF41	5.125	PF34	4.790	Circ	0.1mØ	4.834	14.4	1.500	0.700	1.024
307.006	PF34	4.790	F58	4.600	Circ	0.1mØ	14.564	76.7	1.500	1.024	0.928
319.000	DC324B	4.825	PF1	4.650	Circ	0.1mØ	5.506	31.5	1.500	0.700	0.867
320.000	DC324A	4.825	PF1	4.650	Circ	0.1mØ	4.637	26.5	1.500	0.700	0.867
319.001	PF1	4.650	PF2	4.600	Circ	0.1mØ	1.734	34.7	1.500	0.867	0.923
321.000	SVP324A	4.825	PF2	4.600	Circ	0.1mØ	4.609	20.5	1.500	0.700	0.923
322.000	DC324C	4.825	PF2	4.600	Circ	0.1mØ	1.636	7.3	1.500	0.700	0.923
319.002	PF2	4.600	PF1353	4.580	Circ	0.1mØ	1.030	51.5	1.500	0.923	0.946
323.000	PF1355	4.825	PF1353	4.580	Circ	0.1mØ	4.623	18.9	1.500	0.700	0.946
324.000	PF1354	4.825	PF1353	4.580	Circ	0.1mØ	1.370	5.6	1.500	0.700	0.946
319.003	PF1353	4.580	PF1356	4.555	Circ	0.1mØ	1.259	50.4	1.500	0.946	0.975
325.000	PF1358	4.825	PF1356	4.555	Circ	0.1mØ	5.477	20.3	1.500	0.700	0.975
326.000	PF1357	4.825	PF1356	4.555	Circ	0.1mØ	4.592	17.0	1.500	0.700	0.975
319.004	PF1356	4.555	PF4	4.500	Circ	0.1mØ	2.915	53.0	1.500	0.975	1.037
327.000	PF6	4.825	PF7	4.650	Circ	0.1mØ	5.381	30.8	1.500	0.700	0.881
328.000	PF8	4.825	PF7	4.650	Circ	0.1mØ	4.496	25.7	1.500	0.700	0.881
327.001	PF7	4.650	PF4	4.500	Circ	0.1mØ	1.583	10.6	1.500	0.881	1.037
329.000	PF3	4.825	PF4	4.500	Circ	0.1mØ	4.532	13.9	1.500	0.700	1.037
330.000	PF5	4.825	PF4	4.500	Circ	0.1mØ	1.462	4.5	1.500	0.700	1.037
319.005	PF4	4.500	F58	4.263	Circ	0.1mØ	1.971	8.3	1.500	1.037	1.264
287.006	F58	3.463	F57	3.291	Circ	0.15mØ	23.303	135.1	1.500	2.014	2.245
331.000	PF55	5.275	PF56	5.135	Circ	0.1mØ	5.566	39.8	1.500	0.700	0.831
332.000	PF57	5.275	PF56	5.135	Circ	0.1mØ	4.709	33.6	1.500	0.700	0.831
331.001	PF56	5.135	PF60	5.080	Circ	0.1mØ	1.664	30.3	1.500	0.831	0.886
333.000	PF66	5.275	PF60	5.080	Circ	0.1mØ	4.687	24.0	1.500	0.700	0.886
334.000	PF67	5.275	PF60	5.080	Circ	0.1mØ	1.678	8.6	1.500	0.700	0.886
331.002	PF60	5.080	PF61	5.025	Circ	0.1mØ	2.825	51.4	1.500	0.886	0.941
335.000	PF70	5.275	PF61	5.025	Circ	0.1mØ	5.545	22.2	1.500	0.700	0.941
336.000	PF71	5.275	PF61	5.025	Circ	0.1mØ	4.679	18.7	1.500	0.700	0.941
331.003	PF61	5.025	PF62	5.000	Circ	0.1mØ	1.637	65.5	1.500	0.941	0.966
337.000	PF68	5.275	PF62	5.000	Circ	0.1mØ	4.656	16.9	1.500	0.700	0.966
338.000	PF69	5.275	PF62	5.000	Circ	0.1mØ	1.621	5.9	1.500	0.700	0.966
331.004	PF62	5.000	PF63	4.965	Circ	0.1mØ	2.139	61.1	1.500	0.966	1.001
339.000	PF74	5.275	PF63	4.965	Circ	0.1mØ	4.643	15.0	1.500	0.700	1.001
340.000	PF75	5.275	PF63	4.965	Circ	0.1mØ	1.460	4.7	1.500	0.700	1.001
331.005	PF63	4.965	PF64	4.900	Circ	0.1mØ	3.730	57.4	1.500	1.001	1.067
341.000	PF76	5.275	PF64	4.900	Circ	0.1mØ	4.670	12.5	1.500	0.700	1.067
342.000	PF77	5.275	PF64	4.900	Circ	0.1mØ	1.329	3.5	1.500	0.700	1.067
331.006	PF64	4.900	PF65	4.885	Circ	0.1mØ	1.021	68.1	1.500	1.067	1.082
343.000	PF78	5.275	PF65	4.885	Circ	0.1mØ	5.494	14.1	1.500	0.700	1.082
344.000	PF79	5.275	PF65	4.885	Circ	0.1mØ	4.612	11.8	1.500	0.700	1.082
331.007	PF65	4.885	F57	4.700	Circ	0.1mØ	14.755	79.8	1.500	1.082	0.886
345.000	PF9	4.825	PF10	4.750	Circ	0.1mØ	2.105	28.1	1.500	0.700	0.765
346.000	PF32	4.825	PF10	4.750	Circ	0.1mØ	1.005	13.4	1.500	0.700	0.765
345.001	PF10	4.750	PF14	4.700	Circ	0.1mØ	2.035	40.7	1.500	0.765	0.825
347.000	PF31	4.825	PF14	4.700	Circ	0.1mØ	2.547	20.4	1.500	0.700	0.825
348.000	PF30	4.825	PF14	4.700	Circ	0.1mØ	1.028	8.2	1.500	0.700	0.825
345.002	PF14	4.700	PF15	4.650	Circ	0.1mØ	3.306	66.1	1.500	0.825	0.869
349.000	PF29	4.825	PF15	4.650	Circ	0.1mØ	2.100	12.0	1.500	0.700	0.869
350.000	PF28	4.825	PF15	4.650	Circ	0.1mØ	0.988	5.6	1.500	0.700	0.869
345.003	PF15	4.650	PF16	4.610	Circ	0.1mØ	2.144	53.6	1.500	0.869	0.915
351.000	PF27	4.825	PF16	4.610	Circ	0.1mØ	2.541	11.8	1.500	0.700	0.915
352.000	PF26	4.825	PF16	4.610	Circ	0.1mØ	1.044	4.9	1.500	0.700	0.915
345.004	PF16	4.610	PF17	4.580	Circ	0.1mØ	1.479	49.3	1.500	0.915	0.945
353.000	PF13	4.825	PF11	4.700	Circ	0.1mØ	2.516	20.1	1.500	0.700	0.807
354.000	PF12	4.825	PF11	4.700	Circ	0.1mØ	1.007	8.1	1.500	0.700	0.807
353.001	PF11	4.700	PF19	4.650	Circ	0.1mØ	3.153	63.1	1.500	0.807	0.875
355.000	PF21	4.825	PF19	4.650	Circ	0.1mØ	1.944	11.1	1.500	0.700	0.875
356.000	PF20	4.825	PF19	4.650	Circ	0.1mØ	1.157	6.6	1.500	0.700	0.875
353.002	PF19	4.650	PF18	4.620	Circ	0.1mØ	2.211	73.7	1.500	0.875	0.896

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)
357.000	PF22	4.825	PF18	4.620	Circ	0.1mØ	2.538	12.4	1.500	0.700	0.896
358.000	PF23	4.825	PF18	4.620	Circ	0.1mØ	1.034	5.0	1.500	0.700	0.896
353.003	PF18	4.620	PF17	4.580	Circ	0.1mØ	3.128	78.2	1.500	0.896	0.945
359.000	PF25	4.825	PF17	4.580	Circ	0.1mØ	1.956	8.0	1.500	0.700	0.945
360.000	PF24	4.825	PF17	4.580	Circ	0.1mØ	1.174	4.8	1.500	0.700	0.945
345.005	PF17	4.580	F57	4.081	Circ	0.1mØ	7.633	15.3	1.500	0.945	1.505
287.007	F57	3.291	F56	3.170	Circ	0.15mØ	16.023	132.4	1.500	2.245	2.471
361.000	PF83	5.050	PF80	4.900	Circ	0.1mØ	3.576	23.8	1.500	0.700	0.843
362.000	PF84	5.050	PF80	4.900	Circ	0.1mØ	2.353	15.7	1.500	0.700	0.843
363.000	PF82	5.050	PF80	4.900	Circ	0.1mØ	1.544	10.3	1.500	0.700	0.843
361.001	PF80	4.900	PF85	4.850	Circ	0.1mØ	2.487	49.7	1.500	0.843	0.887
364.000	PF90	5.050	PF85	4.850	Circ	0.1mØ	4.413	22.1	1.500	0.700	0.887
365.000	PF89	5.050	PF85	4.850	Circ	0.1mØ	1.905	9.5	1.500	0.700	0.887
361.002	PF85	4.850	PF86	4.775	Circ	0.1mØ	2.877	38.4	1.500	0.887	0.949
366.000	PF94	5.050	PF86	4.775	Circ	0.1mØ	3.608	13.1	1.500	0.700	0.949
367.000	PF93	5.050	PF86	4.775	Circ	0.1mØ	1.564	5.7	1.500	0.700	0.949
361.003	PF86	4.775	PF87	4.725	Circ	0.1mØ	2.456	49.1	1.500	0.949	0.983
368.000	PF95	5.050	PF87	4.725	Circ	0.1mØ	4.432	13.6	1.500	0.700	0.983
369.000	PF96	5.050	PF87	4.725	Circ	0.1mØ	1.922	5.9	1.500	0.700	0.983
361.004	PF87	4.725	PF88	4.650	Circ	0.1mØ	1.480	19.7	1.500	0.983	1.068
370.000	PF97	5.050	PF88	4.650	Circ	0.1mØ	4.516	11.3	1.500	0.700	1.068
371.000	PF98	5.050	PF88	4.650	Circ	0.1mØ	1.778	4.4	1.500	0.700	1.068
361.005	PF88	4.650	PF81	4.450	Circ	0.1mØ	3.557	17.8	1.500	1.068	1.186
372.000	PF100	5.050	PF101	4.771	Circ	0.1mØ	2.663	9.5	1.500	0.700	0.900
373.000	PF102	5.050	PF101	4.771	Circ	0.1mØ	1.290	4.6	1.500	0.700	0.900
372.001	PF101	4.771	PF81	4.450	Circ	0.1mØ	1.130	3.5	1.500	0.900	1.186
374.000	PF99	5.050	PF81	4.450	Circ	0.1mØ	1.591	2.7	1.500	0.700	1.186
361.006	PF81	4.450	F56	4.220	Circ	0.1mØ	7.757	33.7	1.500	1.186	1.471
287.008	F56	3.170	F98	2.920	Circ	0.15mØ	32.879	131.5	1.500	2.471	3.062
261.012	F98	2.920	F78	2.814	Circ	0.15mØ	14.359	135.0	1.500	3.062	3.308
375.000	PF297	5.550	PF277	5.350	Circ	0.1mØ	6.826	34.1	1.500	0.700	0.773
376.000	PF298	5.550	PF277	5.350	Circ	0.1mØ	6.107	30.5	1.500	0.700	0.773
375.001	PF277	5.350	PF300	5.300	Circ	0.1mØ	1.817	36.3	1.500	0.773	0.858
377.000	PF301	5.550	PF300	5.300	Circ	0.1mØ	5.602	22.4	1.500	0.700	0.858
378.000	PF302	5.550	PF300	5.300	Circ	0.1mØ	1.448	5.8	1.500	0.700	0.858
375.002	PF300	5.300	PF278	5.150	Circ	0.1mØ	6.235	41.6	1.500	0.858	1.068
379.000	PF306	5.550	PF278	5.150	Circ	0.1mØ	2.865	7.2	1.500	0.700	1.068
380.000	PF307	5.550	PF278	5.150	Circ	0.1mØ	1.401	3.5	1.500	0.700	1.068
375.003	PF278	5.150	F83	5.093	Circ	0.1mØ	2.642	46.3	1.500	1.068	1.146
375.004	F83	5.043	F78	3.625	Circ	0.15mØ	29.770	21.0	1.500	1.146	2.497
261.013	F78	2.814	F79	2.425	Circ	0.15mØ	52.473	135.0	1.500	3.308	3.708
261.014	F79	2.425	F80	2.172	Circ	0.15mØ	34.134	135.0	1.500	3.708	3.675
381.000	SVP297A	5.275	PF366	5.000	Circ	0.1mØ	4.775	17.4	1.500	0.700	0.890
382.000	DC297C	5.275	PF366	5.000	Circ	0.1mØ	1.322	4.8	1.500	0.700	0.890
381.001	PF366	5.000	PF367	4.950	Circ	0.1mØ	1.358	27.2	1.500	0.890	0.992
383.000	DC297A	5.275	PF367	4.950	Circ	0.1mØ	5.742	17.7	1.500	0.700	0.992
384.000	DC297B	5.275	PF367	4.950	Circ	0.1mØ	4.725	14.5	1.500	0.700	0.992
381.002	PF367	4.950	PF365	4.900	Circ	0.1mØ	3.979	79.6	1.500	0.992	1.037
385.000	SVP298A	5.375	PF364	5.000	Circ	0.1mØ	4.794	12.8	1.500	0.600	0.880
386.000	DC298C	5.275	PF364	5.000	Circ	0.1mØ	1.396	5.1	1.500	0.700	0.880
385.001	PF364	5.000	PF365	4.900	Circ	0.1mØ	1.218	12.2	1.500	0.880	1.037
387.000	DC298A	5.275	PF365	4.900	Circ	0.1mØ	5.721	15.3	1.500	0.700	1.037
388.000	DC298B	5.275	PF365	4.900	Circ	0.1mØ	4.750	12.7	1.500	0.700	1.037
381.003	PF365	4.900	F80	3.050	Circ	0.1mØ	8.416	4.5	1.500	1.037	2.847
261.015	F80	2.172	F81	2.022	Circ	0.15mØ	20.297	135.0	1.500	3.675	3.627
389.000	SVP300A	5.050	PF376	4.850	Circ	0.1mØ	6.999	35.0	1.500	0.700	0.790
390.000	DC300A	5.050	PF376	4.850	Circ	0.1mØ	6.357	31.8	1.500	0.700	0.790
389.001	PF376	4.850	PF377	4.650	Circ	0.1mØ	2.822	14.1	1.500	0.790	1.035
391.000	SVP300B	5.050	PF387	4.850	Circ	0.1mØ	6.361	31.8	1.500	0.700	0.825
392.000	DC300B	5.050	PF387	4.850	Circ	0.1mØ	5.424	27.1	1.500	0.700	0.825
393.000	DC300C	5.050	PF387	4.850	Circ	0.1mØ	1.322	6.6	1.500	0.700	0.825
391.001	PF387	4.850	PF377	4.650	Circ	0.1mØ	0.941	4.7	1.500	0.825	1.035
394.000	DC299C	5.050	PF378	4.850	Circ	0.1mØ	2.342	11.7	1.500	0.700	0.865
395.000	DC299B	5.050	PF378	4.850	Circ	0.1mØ	0.837	4.2	1.500	0.700	0.865
394.001	PF378	4.850	PF377	4.650	Circ	0.1mØ	4.696	23.5	1.500	0.865	1.035
389.002	PF377	4.650	F81	4.550	Circ	0.1mØ	6.647	66.5	1.500	1.035	1.148
261.016	F81	2.022	F82	1.730	Circ	0.15mØ	38.997	133.7	1.500	3.627	3.967
261.017	F82	1.730	F9	0.950	Circ	0.15mØ	8.092	10.4	1.500	3.967	4.552

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)
1.019	F9	0.800	F13	0.300	Circ	0.3mØ	134.628	269.3	1.500	4.552	4.477
396.000	F17	2.700	F19	2.400	Circ	0.15mØ	38.231	127.4	1.500	1.839	2.341
396.001	F19	2.400	F20	2.275	Circ	0.15mØ	15.929	127.4	1.500	2.341	2.502
396.002	F20	2.275	F3	1.925	Circ	0.15mØ	45.550	130.1	1.500	2.502	2.838
397.000	F1	4.000	F2	3.700	Circ	0.15mØ	31.204	104.0	1.500	0.850	0.998
397.001	F2	3.700	F3	1.925	Circ	0.15mØ	17.336	9.8	1.500	0.998	2.838
396.003	F3	1.775	F4	1.575	Circ	0.3mØ	46.027	230.1	1.500	2.838	2.759
396.004	F4	1.575	F5	1.375	Circ	0.3mØ	25.420	127.1	1.500	2.759	2.936
398.000	F15	2.200	F16	2.100	Circ	0.15mØ	7.756	77.6	1.500	2.716	2.597
398.001	F16	1.950	F5	1.375	Circ	0.3mØ	32.086	55.8	1.500	2.597	2.936
396.005	F5	1.375	F21	1.275	Circ	0.3mØ	10.354	103.5	1.500	2.936	3.069
396.006	F21	1.275	F6	1.175	Circ	0.3mØ	10.354	103.5	1.500	3.069	3.314
396.007	F6	1.175	F7	1.150	Circ	0.225mØ	16.548	661.9	1.500	3.389	3.491
396.008	F7	1.075	F13	0.975	Circ	0.3mØ	21.644	216.4	1.500	3.491	3.802
399.000	F10	4.000	F11	3.700	Circ	0.15mØ	16.546	55.2	1.500	1.455	1.733
399.001	F11	3.700	F12	3.400	Circ	0.15mØ	38.752	129.2	1.500	1.733	1.879
399.002	F12	3.400	F13	2.129	Circ	0.15mØ	76.213	60.0	1.500	1.879	2.798
1.020	F13	0.300	F14	0.200	Circ	0.3mØ	7.970	79.7	1.500	4.477	5.229

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	10.17	1.29	0.00	0.00	100	0.00
2.000	0.0	12.39	1.58	0.00	0.00	100	0.00
3.000	0.0	17.41	2.22	0.00	0.00	100	0.00
1.001	0.0	12.77	1.63	0.00	0.00	100	0.00
4.000	0.0	13.21	1.68	0.00	0.00	100	0.00
5.000	0.0	21.55	2.74	0.00	0.00	100	0.00
1.002	0.0	9.51	1.21	0.00	0.00	100	0.00
6.000	0.0	15.27	1.94	0.00	0.00	100	0.00
7.000	0.0	22.57	2.87	0.00	0.00	100	0.00
6.001	0.0	9.60	1.22	0.00	0.00	100	0.00
1.003	8.0	17.55	0.99	0.37	0.39	15	0.27
8.000	0.0	13.73	1.75	0.00	0.00	100	0.00
9.000	0.0	22.69	2.89	0.00	0.00	100	0.00
10.000	0.0	25.57	3.26	0.00	0.00	100	0.00
8.001	0.0	10.61	1.35	0.00	0.00	100	0.00
11.000	0.0	12.00	1.53	0.00	0.00	100	0.00
12.000	0.0	12.07	1.54	0.00	0.00	100	0.00
13.000	0.0	23.86	3.04	0.00	0.00	100	0.00
11.001	0.0	16.04	2.04	0.00	0.00	100	0.00
14.000	0.0	18.27	2.33	0.00	0.00	100	0.00
15.000	0.0	28.79	3.67	0.00	0.00	100	0.00
14.001	0.0	11.79	1.50	0.00	0.00	100	0.00
1.004	8.0	21.71	1.23	0.37	0.45	14	0.31
16.000	0.0	8.82	1.12	0.00	0.00	100	0.00
16.001	0.0	11.92	1.52	0.00	0.00	100	0.00
16.002	1.0	6.81	0.87	0.05	0.23	3	0.16
16.003	2.0	5.87	0.75	0.09	0.26	9	0.18
1.005	13.0	13.40	0.76	0.60	0.38	22	0.26
17.000	0.0	8.45	1.08	0.00	0.00	100	0.00
18.000	0.0	8.50	1.08	0.00	0.00	100	0.00
19.000	0.0	10.60	1.35	0.00	0.00	100	0.00
17.001	0.0	5.86	0.75	0.00	0.00	100	0.00
20.000	0.0	14.22	1.81	0.00	0.00	100	0.00
21.000	0.0	14.59	1.86	0.00	0.00	100	0.00
22.000	0.0	19.93	2.54	0.00	0.00	100	0.00
20.001	0.0	23.83	3.03	0.00	0.00	100	0.00
17.002	0.0	16.91	2.15	0.00	0.00	100	0.00
1.006	14.0	13.40	0.76	0.65	0.38	23	0.27
23.000	0.0	8.42	1.07	0.00	0.00	100	0.00
24.000	0.0	9.62	1.22	0.00	0.00	100	0.00
25.000	0.0	9.84	1.25	0.00	0.00	100	0.00
23.001	0.0	11.43	1.45	0.00	0.00	100	0.00
26.000	0.0	10.81	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)
27.000	0.0	9.70	1.24	0.00	0.00	100	0.00
28.000	0.0	11.64	1.48	0.00	0.00	100	0.00
29.000	0.0	23.58	3.00	0.00	0.00	100	0.00
27.001	0.0	21.23	2.70	0.00	0.00	100	0.00
23.002	0.0	7.85	1.00	0.00	0.00	100	0.00
1.007	16.0	13.40	0.76	0.74	0.40	24	0.28
30.000	0.0	10.55	1.34	0.00	0.00	100	0.00
31.000	0.0	13.35	1.70	0.00	0.00	100	0.00
30.001	0.0	11.20	1.43	0.00	0.00	100	0.00
1.008	17.0	13.40	0.76	0.79	0.41	25	0.29
32.000	0.0	9.44	1.20	0.00	0.00	100	0.00
33.000	0.0	11.11	1.41	0.00	0.00	100	0.00
34.000	0.0	20.96	2.67	0.00	0.00	100	0.00
32.001	0.0	8.30	1.06	0.00	0.00	100	0.00
35.000	0.0	9.58	1.22	0.00	0.00	100	0.00
36.000	0.0	10.90	1.39	0.00	0.00	100	0.00
32.002	0.0	10.74	1.37	0.00	0.00	100	0.00
37.000	0.0	8.24	1.05	0.00	0.00	100	0.00
38.000	0.0	10.50	1.34	0.00	0.00	100	0.00
32.003	0.0	6.58	0.84	0.00	0.00	100	0.00
1.009	17.0	13.51	0.76	0.79	0.41	25	0.29
39.000	0.0	8.69	1.11	0.00	0.00	100	0.00
40.000	0.0	9.32	1.19	0.00	0.00	100	0.00
41.000	0.0	25.17	3.20	0.00	0.00	100	0.00
39.001	0.0	13.48	1.72	0.00	0.00	100	0.00
42.000	0.0	10.98	1.40	0.00	0.00	100	0.00
43.000	0.0	11.64	1.48	0.00	0.00	100	0.00
39.002	0.0	7.63	0.97	0.00	0.00	100	0.00
44.000	0.0	14.77	1.88	0.00	0.00	100	0.00
45.000	0.0	17.74	2.26	0.00	0.00	100	0.00
46.000	0.0	22.85	2.91	0.00	0.00	100	0.00
44.001	0.0	24.12	3.07	0.00	0.00	100	0.00
39.003	0.0	5.97	0.76	0.00	0.00	100	0.00
47.000	0.0	9.80	1.25	0.00	0.00	100	0.00
48.000	0.0	9.93	1.26	0.00	0.00	100	0.00
49.000	0.0	11.52	1.47	0.00	0.00	100	0.00
50.000	0.0	12.15	1.55	0.00	0.00	100	0.00
51.000	0.0	21.99	2.80	0.00	0.00	100	0.00
49.001	0.0	11.31	1.44	0.00	0.00	100	0.00
47.001	0.0	9.37	1.19	0.00	0.00	100	0.00
39.004	5.0	5.84	0.74	0.23	0.35	14	0.24
52.000	0.0	10.78	1.37	0.00	0.00	100	0.00
53.000	0.0	12.83	1.63	0.00	0.00	100	0.00
52.001	0.0	19.83	2.52	0.00	0.00	100	0.00
39.005	9.0	5.87	0.75	0.42	0.42	18	0.30
54.000	0.0	10.31	1.31	0.00	0.00	100	0.00
55.000	0.0	11.14	1.42	0.00	0.00	100	0.00
54.001	0.0	19.34	2.46	0.00	0.00	100	0.00
39.006	13.0	13.40	0.76	0.60	0.38	22	0.26
56.000	0.0	10.34	1.32	0.00	0.00	100	0.00
57.000	0.0	12.97	1.65	0.00	0.00	100	0.00
56.001	0.0	7.29	0.93	0.00	0.00	100	0.00
39.007	15.0	15.72	0.89	0.69	0.44	22	0.31
58.000	0.0	10.82	1.38	0.00	0.00	100	0.00
59.000	0.0	13.37	1.70	0.00	0.00	100	0.00
58.001	0.0	14.32	1.82	0.00	0.00	100	0.00
39.008	15.0	15.81	0.89	0.69	0.44	22	0.31
60.000	0.0	8.87	1.13	0.00	0.00	100	0.00
61.000	0.0	11.75	1.50	0.00	0.00	100	0.00
62.000	0.0	23.06	2.94	0.00	0.00	100	0.00
60.001	0.0	11.95	1.52	0.00	0.00	100	0.00
63.000	0.0	13.51	1.72	0.00	0.00	100	0.00
64.000	0.0	22.72	2.89	0.00	0.00	100	0.00
63.001	0.0	15.49	1.97	0.00	0.00	100	0.00
60.002	6.0	6.00	0.76	0.28	0.38	15	0.26
65.000	0.0	9.34	1.19	0.00	0.00	100	0.00
66.000	0.0	14.04	1.79	0.00	0.00	100	0.00
67.000	0.0	18.82	2.40	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)
65.001	0.0	8.99	1.14	0.00	0.00	100	0.00
68.000	0.0	15.31	1.95	0.00	0.00	100	0.00
69.000	0.0	26.75	3.41	0.00	0.00	100	0.00
65.002	0.0	16.13	2.05	0.00	0.00	100	0.00
70.000	0.0	14.10	1.80	0.00	0.00	100	0.00
71.000	0.0	19.69	2.51	0.00	0.00	100	0.00
72.000	0.0	26.39	3.36	0.00	0.00	100	0.00
70.001	0.0	18.00	2.29	0.00	0.00	100	0.00
60.003	8.0	6.20	0.79	0.37	0.42	17	0.30
73.000	0.0	10.13	1.29	0.00	0.00	100	0.00
74.000	0.0	16.41	2.09	0.00	0.00	100	0.00
75.000	0.0	20.68	2.63	0.00	0.00	100	0.00
73.001	0.0	11.94	1.52	0.00	0.00	100	0.00
76.000	0.0	11.50	1.46	0.00	0.00	100	0.00
77.000	0.0	16.05	2.04	0.00	0.00	100	0.00
78.000	0.0	21.65	2.76	0.00	0.00	100	0.00
76.001	0.0	13.93	1.77	0.00	0.00	100	0.00
60.004	8.0	5.88	0.75	0.37	0.41	17	0.29
39.009	25.0	14.07	0.80	1.16	0.48	29	0.34
79.000	0.0	8.95	1.14	0.00	0.00	100	0.00
80.000	0.0	8.95	1.14	0.00	0.00	100	0.00
81.000	0.0	11.71	1.49	0.00	0.00	100	0.00
79.001	0.0	14.96	1.90	0.00	0.00	100	0.00
82.000	0.0	12.20	1.55	0.00	0.00	100	0.00
83.000	0.0	12.44	1.58	0.00	0.00	100	0.00
84.000	0.0	25.76	3.28	0.00	0.00	100	0.00
82.001	0.0	12.15	1.55	0.00	0.00	100	0.00
79.002	2.0	8.11	1.03	0.09	0.32	9	0.22
85.000	0.0	9.54	1.21	0.00	0.00	100	0.00
86.000	0.0	9.71	1.24	0.00	0.00	100	0.00
87.000	0.0	13.83	1.76	0.00	0.00	100	0.00
85.001	0.0	13.77	1.75	0.00	0.00	100	0.00
79.003	4.0	7.26	0.92	0.19	0.38	11	0.26
88.000	0.0	9.39	1.20	0.00	0.00	100	0.00
89.000	0.0	18.14	2.31	0.00	0.00	100	0.00
88.001	0.0	11.54	1.47	0.00	0.00	100	0.00
90.000	0.0	9.92	1.26	0.00	0.00	100	0.00
91.000	0.0	10.89	1.39	0.00	0.00	100	0.00
88.002	0.0	9.64	1.23	0.00	0.00	100	0.00
92.000	0.0	13.11	1.67	0.00	0.00	100	0.00
93.000	0.0	14.39	1.83	0.00	0.00	100	0.00
88.003	0.0	19.05	2.43	0.00	0.00	100	0.00
88.004	4.0	6.82	0.87	0.19	0.36	12	0.25
88.005	6.0	7.51	0.96	0.28	0.44	13	0.31
94.000	0.0	11.70	1.49	0.00	0.00	100	0.00
95.000	0.0	11.88	1.51	0.00	0.00	100	0.00
96.000	0.0	16.47	2.10	0.00	0.00	100	0.00
94.001	0.0	17.73	2.26	0.00	0.00	100	0.00
79.004	11.0	19.47	1.10	0.51	0.46	17	0.32
97.000	0.0	13.82	1.76	0.00	0.00	100	0.00
98.000	0.0	14.15	1.80	0.00	0.00	100	0.00
99.000	0.0	19.52	2.48	0.00	0.00	100	0.00
97.001	0.0	9.98	1.27	0.00	0.00	100	0.00
39.010	37.0	30.45	1.72	1.71	0.92	24	0.65
100.000	0.0	8.68	1.11	0.00	0.00	100	0.00
101.000	0.0	11.72	1.49	0.00	0.00	100	0.00
102.000	0.0	12.36	1.57	0.00	0.00	100	0.00
103.000	0.0	13.70	1.74	0.00	0.00	100	0.00
100.001	0.0	6.65	0.85	0.00	0.00	100	0.00
39.011	37.0	26.73	1.51	1.71	0.84	26	0.59
1.010	56.0	30.32	0.76	2.59	0.46	45	0.33
104.000	0.0	9.35	1.19	0.00	0.00	100	0.00
104.001	0.0	8.23	1.05	0.00	0.00	100	0.00
105.000	0.0	12.95	1.65	0.00	0.00	100	0.00
106.000	0.0	25.48	3.24	0.00	0.00	100	0.00
104.002	0.0	5.92	0.75	0.00	0.00	100	0.00
107.000	0.0	12.18	1.55	0.00	0.00	100	0.00
108.000	0.0	12.33	1.57	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)
109.000	0.0	30.42	3.87	0.00	0.00	100	0.00
107.001	0.0	7.94	1.01	0.00	0.00	100	0.00
107.002	0.0	8.65	1.10	0.00	0.00	100	0.00
110.000	0.0	9.58	1.22	0.00	0.00	100	0.00
111.000	0.0	14.43	1.84	0.00	0.00	100	0.00
110.001	0.0	22.89	2.91	0.00	0.00	100	0.00
104.003	0.0	8.35	1.06	0.00	0.00	100	0.00
1.011	58.0	30.08	0.76	2.69	0.47	46	0.33
112.000	0.0	8.68	1.11	0.00	0.00	100	0.00
113.000	0.0	8.70	1.11	0.00	0.00	100	0.00
114.000	0.0	11.20	1.43	0.00	0.00	100	0.00
112.001	0.0	6.30	0.80	0.00	0.00	100	0.00
115.000	0.0	9.29	1.18	0.00	0.00	100	0.00
116.000	0.0	15.11	1.92	0.00	0.00	100	0.00
117.000	0.0	17.86	2.27	0.00	0.00	100	0.00
115.001	0.0	4.75	0.61	0.00	0.00	100	0.00
118.000	0.0	12.12	1.54	0.00	0.00	100	0.00
119.000	0.0	16.61	2.12	0.00	0.00	100	0.00
115.002	0.0	10.71	1.36	0.00	0.00	100	0.00
1.012	60.0	30.08	0.76	2.78	0.47	46	0.34
120.000	0.0	11.01	1.40	0.00	0.00	100	0.00
121.000	0.0	13.16	1.68	0.00	0.00	100	0.00
122.000	0.0	19.25	2.45	0.00	0.00	100	0.00
120.001	0.0	10.49	1.34	0.00	0.00	100	0.00
123.000	0.0	12.05	1.53	0.00	0.00	100	0.00
124.000	0.0	18.44	2.35	0.00	0.00	100	0.00
120.002	0.0	7.59	0.97	0.00	0.00	100	0.00
1.013	63.0	30.20	0.76	2.92	0.48	47	0.34
125.000	0.0	8.66	1.10	0.00	0.00	100	0.00
126.000	0.0	8.67	1.10	0.00	0.00	100	0.00
125.001	0.0	6.82	0.87	0.00	0.00	100	0.00
127.000	0.0	9.19	1.17	0.00	0.00	100	0.00
128.000	0.0	14.69	1.87	0.00	0.00	100	0.00
129.000	0.0	18.01	2.29	0.00	0.00	100	0.00
127.001	0.0	9.22	1.17	0.00	0.00	100	0.00
130.000	0.0	17.79	2.26	0.00	0.00	100	0.00
131.000	0.0	21.63	2.75	0.00	0.00	100	0.00
130.001	0.0	8.73	1.11	0.00	0.00	100	0.00
125.002	0.0	9.81	1.25	0.00	0.00	100	0.00
1.014	66.0	29.79	0.75	3.06	0.48	49	0.34
132.000	0.0	8.48	1.08	0.00	0.00	100	0.00
133.000	0.0	8.66	1.10	0.00	0.00	100	0.00
132.001	0.0	8.06	1.03	0.00	0.00	100	0.00
134.000	0.0	10.21	1.30	0.00	0.00	100	0.00
135.000	0.0	12.16	1.55	0.00	0.00	100	0.00
132.002	0.0	8.06	1.03	0.00	0.00	100	0.00
136.000	0.0	11.30	1.44	0.00	0.00	100	0.00
137.000	0.0	13.23	1.68	0.00	0.00	100	0.00
132.003	0.0	7.04	0.90	0.00	0.00	100	0.00
138.000	0.0	11.03	1.40	0.00	0.00	100	0.00
139.000	0.0	11.25	1.43	0.00	0.00	100	0.00
132.004	0.0	9.93	1.26	0.00	0.00	100	0.00
140.000	0.0	14.28	1.82	0.00	0.00	100	0.00
141.000	0.0	21.06	2.68	0.00	0.00	100	0.00
140.001	0.0	14.66	1.87	0.00	0.00	100	0.00
142.000	0.0	11.54	1.47	0.00	0.00	100	0.00
143.000	0.0	19.53	2.49	0.00	0.00	100	0.00
144.000	0.0	21.08	2.68	0.00	0.00	100	0.00
142.001	0.0	20.37	2.59	0.00	0.00	100	0.00
132.005	0.0	11.40	1.45	0.00	0.00	100	0.00
1.015	69.0	30.39	0.76	3.19	0.49	49	0.35
145.000	0.0	13.43	1.71	0.00	0.00	100	0.00
146.000	0.0	18.64	2.37	0.00	0.00	100	0.00
145.001	0.0	7.78	0.99	0.00	0.00	100	0.00
147.000	0.0	14.29	1.82	0.00	0.00	100	0.00
148.000	0.0	14.51	1.85	0.00	0.00	100	0.00
145.002	0.0	8.86	1.13	0.00	0.00	100	0.00
149.000	0.0	11.82	1.50	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	13.99	1.78	0.00	0.00	100	0.00
149.001	0.0	13.89	1.77	0.00	0.00	100	0.00
1.016	71.0	30.20	0.76	3.29	0.50	50	0.36
151.000	0.0	9.07	1.15	0.00	0.00	100	0.00
152.000	0.0	15.18	1.93	0.00	0.00	100	0.00
151.001	0.0	7.15	0.91	0.00	0.00	100	0.00
153.000	0.0	10.06	1.28	0.00	0.00	100	0.00
154.000	0.0	11.21	1.43	0.00	0.00	100	0.00
153.001	0.0	14.22	1.81	0.00	0.00	100	0.00
155.000	0.0	9.62	1.22	0.00	0.00	100	0.00
156.000	0.0	19.11	2.43	0.00	0.00	100	0.00
155.001	0.0	14.11	1.80	0.00	0.00	100	0.00
151.002	0.0	7.42	0.95	0.00	0.00	100	0.00
1.017	73.0	30.75	0.77	3.38	0.51	50	0.36
157.000	0.0	8.66	1.10	0.00	0.00	100	0.00
158.000	0.0	9.39	1.20	0.00	0.00	100	0.00
157.001	0.0	6.73	0.86	0.00	0.00	100	0.00
159.000	0.0	8.54	1.09	0.00	0.00	100	0.00
160.000	0.0	9.29	1.18	0.00	0.00	100	0.00
159.001	0.0	15.21	1.94	0.00	0.00	100	0.00
157.002	0.0	14.27	1.82	0.00	0.00	100	0.00
157.003	8.0	13.56	0.77	0.37	0.32	17	0.23
161.000	0.0	9.22	1.17	0.00	0.00	100	0.00
162.000	0.0	14.03	1.79	0.00	0.00	100	0.00
163.000	0.0	17.22	2.19	0.00	0.00	100	0.00
161.001	0.0	12.14	1.55	0.00	0.00	100	0.00
164.000	0.0	9.41	1.20	0.00	0.00	100	0.00
165.000	0.0	14.77	1.88	0.00	0.00	100	0.00
166.000	0.0	16.10	2.05	0.00	0.00	100	0.00
164.001	0.0	27.46	3.50	0.00	0.00	100	0.00
161.002	0.0	10.07	1.28	0.00	0.00	100	0.00
167.000	0.0	10.94	1.39	0.00	0.00	100	0.00
168.000	0.0	13.47	1.71	0.00	0.00	100	0.00
167.001	0.0	9.00	1.15	0.00	0.00	100	0.00
169.000	0.0	15.72	2.00	0.00	0.00	100	0.00
170.000	0.0	18.45	2.35	0.00	0.00	100	0.00
167.002	0.0	11.29	1.44	0.00	0.00	100	0.00
171.000	0.0	21.33	2.72	0.00	0.00	100	0.00
172.000	0.0	22.64	2.88	0.00	0.00	100	0.00
167.003	0.0	11.03	1.40	0.00	0.00	100	0.00
157.004	14.0	17.37	0.98	0.65	0.46	20	0.32
173.000	0.0	8.03	1.02	0.00	0.00	100	0.00
174.000	0.0	11.62	1.48	0.00	0.00	100	0.00
175.000	0.0	13.52	1.72	0.00	0.00	100	0.00
173.001	0.0	6.32	0.80	0.00	0.00	100	0.00
176.000	0.0	8.61	1.10	0.00	0.00	100	0.00
177.000	0.0	18.81	2.39	0.00	0.00	100	0.00
176.001	0.0	9.57	1.22	0.00	0.00	100	0.00
178.000	0.0	9.54	1.21	0.00	0.00	100	0.00
179.000	0.0	15.09	1.92	0.00	0.00	100	0.00
180.000	0.0	17.58	2.24	0.00	0.00	100	0.00
178.001	0.0	6.30	0.80	0.00	0.00	100	0.00
157.005	19.0	17.42	0.99	0.88	0.51	23	0.36
181.000	0.0	8.94	1.14	0.00	0.00	100	0.00
182.000	0.0	9.78	1.25	0.00	0.00	100	0.00
181.001	0.0	9.82	1.25	0.00	0.00	100	0.00
183.000	0.0	11.21	1.43	0.00	0.00	100	0.00
184.000	0.0	20.00	2.55	0.00	0.00	100	0.00
181.002	0.0	7.06	0.90	0.00	0.00	100	0.00
185.000	0.0	9.58	1.22	0.00	0.00	100	0.00
186.000	0.0	17.30	2.20	0.00	0.00	100	0.00
185.001	0.0	10.08	1.28	0.00	0.00	100	0.00
157.006	19.0	18.92	1.07	0.88	0.54	22	0.38
157.007	21.0	16.67	0.94	0.97	0.51	25	0.36
187.000	0.0	10.65	1.36	0.00	0.00	100	0.00
188.000	0.0	23.03	2.93	0.00	0.00	100	0.00
187.001	0.0	17.58	2.24	0.00	0.00	100	0.00
187.002	3.0	6.89	0.88	0.14	0.33	11	0.23

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)
189.000	0.0	9.06	1.15	0.00	0.00	100	0.00
190.000	0.0	9.55	1.22	0.00	0.00	100	0.00
191.000	0.0	21.26	2.71	0.00	0.00	100	0.00
189.001	0.0	8.70	1.11	0.00	0.00	100	0.00
192.000	0.0	21.24	2.70	0.00	0.00	100	0.00
193.000	0.0	24.24	3.09	0.00	0.00	100	0.00
189.002	0.0	19.19	2.44	0.00	0.00	100	0.00
187.003	3.0	5.74	0.73	0.14	0.29	11	0.20
194.000	0.0	9.50	1.21	0.00	0.00	100	0.00
195.000	0.0	11.87	1.51	0.00	0.00	100	0.00
194.001	0.0	16.34	2.08	0.00	0.00	100	0.00
157.008	24.0	37.43	0.94	1.11	0.41	27	0.29
196.000	0.0	8.64	1.10	0.00	0.00	100	0.00
197.000	0.0	9.19	1.17	0.00	0.00	100	0.00
196.001	0.0	15.86	2.02	0.00	0.00	100	0.00
196.002	3.0	5.49	0.70	0.14	0.28	11	0.20
198.000	0.0	10.30	1.31	0.00	0.00	100	0.00
199.000	0.0	10.34	1.32	0.00	0.00	100	0.00
200.000	0.0	17.85	2.27	0.00	0.00	100	0.00
198.001	0.0	15.96	2.03	0.00	0.00	100	0.00
196.003	6.0	5.89	0.75	0.28	0.37	15	0.26
201.000	0.0	9.38	1.19	0.00	0.00	100	0.00
202.000	0.0	10.00	1.27	0.00	0.00	100	0.00
203.000	0.0	10.62	1.35	0.00	0.00	100	0.00
201.001	0.0	19.65	2.50	0.00	0.00	100	0.00
196.004	6.0	13.38	0.76	0.28	0.29	15	0.20
157.009	40.0	30.42	0.76	1.85	0.42	38	0.30
204.000	0.0	10.29	1.31	0.00	0.00	100	0.00
205.000	0.0	10.32	1.31	0.00	0.00	100	0.00
206.000	0.0	13.77	1.75	0.00	0.00	100	0.00
204.001	0.0	14.87	1.89	0.00	0.00	100	0.00
207.000	0.0	11.12	1.42	0.00	0.00	100	0.00
208.000	0.0	19.65	2.50	0.00	0.00	100	0.00
207.001	0.0	10.04	1.28	0.00	0.00	100	0.00
209.000	0.0	10.18	1.30	0.00	0.00	100	0.00
210.000	0.0	18.43	2.35	0.00	0.00	100	0.00
209.001	0.0	12.51	1.59	0.00	0.00	100	0.00
157.010	42.0	30.42	0.76	1.94	0.43	39	0.30
211.000	0.0	12.25	1.56	0.00	0.00	100	0.00
212.000	0.0	17.51	2.23	0.00	0.00	100	0.00
213.000	0.0	21.02	2.68	0.00	0.00	100	0.00
211.001	0.0	9.89	1.26	0.00	0.00	100	0.00
214.000	0.0	15.47	1.97	0.00	0.00	100	0.00
215.000	0.0	21.80	2.78	0.00	0.00	100	0.00
214.001	0.0	12.05	1.53	0.00	0.00	100	0.00
216.000	0.0	12.53	1.60	0.00	0.00	100	0.00
217.000	0.0	18.37	2.34	0.00	0.00	100	0.00
218.000	0.0	22.62	2.88	0.00	0.00	100	0.00
216.001	0.0	18.07	2.30	0.00	0.00	100	0.00
211.002	0.0	16.48	2.10	0.00	0.00	100	0.00
219.000	0.0	8.60	1.10	0.00	0.00	100	0.00
220.000	0.0	15.61	1.99	0.00	0.00	100	0.00
219.001	0.0	9.82	1.25	0.00	0.00	100	0.00
221.000	0.0	9.20	1.17	0.00	0.00	100	0.00
222.000	0.0	10.07	1.28	0.00	0.00	100	0.00
219.002	0.0	14.38	1.83	0.00	0.00	100	0.00
211.003	8.0	18.48	1.05	0.37	0.40	15	0.28
223.000	0.0	10.60	1.35	0.00	0.00	100	0.00
224.000	0.0	15.70	2.00	0.00	0.00	100	0.00
225.000	0.0	20.31	2.59	0.00	0.00	100	0.00
223.001	0.0	10.67	1.36	0.00	0.00	100	0.00
226.000	0.0	14.15	1.80	0.00	0.00	100	0.00
227.000	0.0	21.18	2.70	0.00	0.00	100	0.00
226.001	0.0	10.14	1.29	0.00	0.00	100	0.00
211.004	15.0	18.39	1.04	0.69	0.49	20	0.34
228.000	0.0	11.98	1.52	0.00	0.00	100	0.00
229.000	0.0	20.84	2.65	0.00	0.00	100	0.00
228.001	0.0	9.69	1.23	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)
230.000	0.0	12.22	1.56	0.00	0.00	100	0.00
231.000	0.0	20.40	2.60	0.00	0.00	100	0.00
230.001	0.0	10.54	1.34	0.00	0.00	100	0.00
232.000	0.0	14.04	1.79	0.00	0.00	100	0.00
233.000	0.0	20.68	2.63	0.00	0.00	100	0.00
232.001	0.0	20.39	2.60	0.00	0.00	100	0.00
211.005	15.0	24.92	1.41	0.69	0.60	17	0.42
234.000	0.0	8.42	1.07	0.00	0.00	100	0.00
235.000	0.0	10.09	1.28	0.00	0.00	100	0.00
234.001	0.0	8.80	1.12	0.00	0.00	100	0.00
236.000	0.0	9.05	1.15	0.00	0.00	100	0.00
237.000	0.0	9.28	1.18	0.00	0.00	100	0.00
234.002	0.0	12.39	1.58	0.00	0.00	100	0.00
157.011	61.0	30.20	0.76	2.82	0.47	47	0.34
238.000	0.0	8.27	1.05	0.00	0.00	100	0.00
239.000	0.0	21.55	2.74	0.00	0.00	100	0.00
238.001	0.0	13.33	1.70	0.00	0.00	100	0.00
240.000	0.0	13.04	1.66	0.00	0.00	100	0.00
241.000	0.0	17.60	2.24	0.00	0.00	100	0.00
242.000	0.0	20.83	2.65	0.00	0.00	100	0.00
240.001	0.0	23.90	1.35	0.00	0.00	150	0.00
157.012	61.0	30.20	0.76	2.82	0.47	47	0.34
157.013	61.0	30.20	0.76	2.82	0.47	47	0.34
243.000	0.0	13.80	1.76	0.00	0.00	100	0.00
244.000	0.0	16.26	2.07	0.00	0.00	100	0.00
243.001	0.0	6.12	0.78	0.00	0.00	100	0.00
245.000	0.0	11.84	1.51	0.00	0.00	100	0.00
246.000	0.0	15.31	1.95	0.00	0.00	100	0.00
247.000	0.0	31.24	3.98	0.00	0.00	100	0.00
245.001	0.0	7.33	0.93	0.00	0.00	100	0.00
243.002	0.0	6.16	0.78	0.00	0.00	100	0.00
248.000	0.0	8.63	1.10	0.00	0.00	100	0.00
249.000	0.0	16.76	2.13	0.00	0.00	100	0.00
248.001	0.0	38.58	4.91	0.00	0.00	100	0.00
243.003	0.0	6.85	0.87	0.00	0.00	100	0.00
250.000	0.0	8.41	1.07	0.00	0.00	100	0.00
251.000	0.0	9.99	1.27	0.00	0.00	100	0.00
252.000	0.0	17.90	2.28	0.00	0.00	100	0.00
250.001	0.0	18.35	2.34	0.00	0.00	100	0.00
243.004	3.0	57.14	3.23	0.14	0.62	6	0.43
157.014	64.0	30.20	0.76	2.96	0.48	48	0.34
157.015	64.0	30.20	0.76	2.96	0.48	48	0.34
157.016	64.0	57.13	1.44	2.96	0.75	35	0.53
253.000	0.0	8.92	1.14	0.00	0.00	100	0.00
254.000	0.0	10.92	1.39	0.00	0.00	100	0.00
255.000	0.0	14.66	1.87	0.00	0.00	100	0.00
253.001	0.0	6.54	0.83	0.00	0.00	100	0.00
256.000	0.0	9.38	1.19	0.00	0.00	100	0.00
257.000	0.0	19.72	2.51	0.00	0.00	100	0.00
253.002	0.0	5.88	0.75	0.00	0.00	100	0.00
258.000	0.0	8.35	1.06	0.00	0.00	100	0.00
259.000	0.0	11.41	1.45	0.00	0.00	100	0.00
260.000	0.0	13.45	1.71	0.00	0.00	100	0.00
258.001	0.0	6.01	0.77	0.00	0.00	100	0.00
253.003	0.0	7.87	1.00	0.00	0.00	100	0.00
1.018	137.0	125.37	1.77	6.34	0.93	46	0.66
261.000	0.0	12.59	1.60	0.00	0.00	100	0.00
262.000	0.0	13.76	1.75	0.00	0.00	100	0.00
261.001	0.0	12.04	1.53	0.00	0.00	100	0.00
263.000	0.0	14.68	1.87	0.00	0.00	100	0.00
264.000	0.0	27.31	3.48	0.00	0.00	100	0.00
261.002	0.0	5.84	0.74	0.00	0.00	100	0.00
265.000	0.0	11.15	1.42	0.00	0.00	100	0.00
266.000	0.0	12.19	1.55	0.00	0.00	100	0.00
261.003	0.0	5.84	0.74	0.00	0.00	100	0.00
267.000	0.0	11.38	1.45	0.00	0.00	100	0.00
268.000	0.0	21.18	2.70	0.00	0.00	100	0.00
261.004	0.0	5.84	0.74	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)
269.000	0.0	10.13	1.29	0.00	0.00	100	0.00
270.000	0.0	27.32	3.48	0.00	0.00	100	0.00
261.005	0.0	5.84	0.74	0.00	0.00	100	0.00
271.000	0.0	15.31	1.95	0.00	0.00	100	0.00
272.000	0.0	16.66	2.12	0.00	0.00	100	0.00
261.006	0.0	11.33	1.44	0.00	0.00	100	0.00
261.007	8.0	13.30	0.75	0.37	0.32	18	0.22
261.008	13.0	13.30	0.75	0.60	0.37	22	0.26
273.000	0.0	12.78	1.63	0.00	0.00	100	0.00
274.000	0.0	14.00	1.78	0.00	0.00	100	0.00
273.001	0.0	5.87	0.75	0.00	0.00	100	0.00
275.000	0.0	15.82	2.01	0.00	0.00	100	0.00
276.000	0.0	17.23	2.19	0.00	0.00	100	0.00
273.002	0.0	7.61	0.97	0.00	0.00	100	0.00
261.009	17.0	13.30	0.75	0.79	0.41	25	0.29
277.000	0.0	8.95	1.14	0.00	0.00	100	0.00
278.000	0.0	9.42	1.20	0.00	0.00	100	0.00
277.001	0.0	7.06	0.90	0.00	0.00	100	0.00
279.000	0.0	10.20	1.30	0.00	0.00	100	0.00
280.000	0.0	10.82	1.38	0.00	0.00	100	0.00
277.002	0.0	8.92	1.14	0.00	0.00	100	0.00
281.000	0.0	13.66	1.74	0.00	0.00	100	0.00
282.000	0.0	22.91	2.92	0.00	0.00	100	0.00
277.003	0.0	6.01	0.76	0.00	0.00	100	0.00
283.000	0.0	17.11	2.18	0.00	0.00	100	0.00
284.000	0.0	27.90	3.55	0.00	0.00	100	0.00
277.004	0.0	5.80	0.74	0.00	0.00	100	0.00
285.000	0.0	13.90	1.77	0.00	0.00	100	0.00
286.000	0.0	32.43	4.13	0.00	0.00	100	0.00
277.005	0.0	15.71	2.00	0.00	0.00	100	0.00
261.010	17.0	13.46	0.76	0.79	0.41	25	0.29
261.011	17.0	22.77	1.29	0.79	0.59	19	0.41
287.000	0.0	8.95	1.14	0.00	0.00	100	0.00
288.000	0.0	11.15	1.42	0.00	0.00	100	0.00
289.000	0.0	18.36	2.34	0.00	0.00	100	0.00
288.001	0.0	8.63	1.10	0.00	0.00	100	0.00
290.000	0.0	11.07	1.41	0.00	0.00	100	0.00
287.001	0.0	5.91	0.75	0.00	0.00	100	0.00
287.002	0.0	6.05	0.77	0.00	0.00	100	0.00
291.000	0.0	10.08	1.28	0.00	0.00	100	0.00
292.000	0.0	12.86	1.64	0.00	0.00	100	0.00
293.000	0.0	20.27	2.58	0.00	0.00	100	0.00
292.001	0.0	9.03	1.15	0.00	0.00	100	0.00
294.000	0.0	14.92	1.90	0.00	0.00	100	0.00
291.001	0.0	11.42	1.45	0.00	0.00	100	0.00
287.003	0.0	5.93	0.76	0.00	0.00	100	0.00
295.000	0.0	8.65	1.10	0.00	0.00	100	0.00
296.000	0.0	19.60	2.50	0.00	0.00	100	0.00
295.001	0.0	12.42	1.58	0.00	0.00	100	0.00
297.000	0.0	20.34	2.59	0.00	0.00	100	0.00
295.002	0.0	6.60	0.84	0.00	0.00	100	0.00
287.004	0.0	9.19	1.17	0.00	0.00	100	0.00
298.000	0.0	10.12	1.29	0.00	0.00	100	0.00
299.000	0.0	19.63	2.50	0.00	0.00	100	0.00
298.001	0.0	6.25	0.80	0.00	0.00	100	0.00
300.000	0.0	12.23	1.56	0.00	0.00	100	0.00
301.000	0.0	21.06	2.68	0.00	0.00	100	0.00
298.002	0.0	6.38	0.81	0.00	0.00	100	0.00
302.000	0.0	9.59	1.22	0.00	0.00	100	0.00
303.000	0.0	10.31	1.31	0.00	0.00	100	0.00
304.000	0.0	14.08	1.79	0.00	0.00	100	0.00
305.000	0.0	18.44	2.35	0.00	0.00	100	0.00
304.001	0.0	8.83	1.12	0.00	0.00	100	0.00
306.000	0.0	20.85	2.65	0.00	0.00	100	0.00
302.001	0.0	7.32	0.93	0.00	0.00	100	0.00
287.005	14.0	13.30	0.75	0.65	0.38	23	0.27
307.000	0.0	8.04	1.02	0.00	0.00	100	0.00
308.000	0.0	8.69	1.11	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)
307.001	0.0	8.23	1.05	0.00	0.00	100	0.00
309.000	0.0	9.93	1.26	0.00	0.00	100	0.00
310.000	0.0	16.10	2.05	0.00	0.00	100	0.00
307.002	0.0	6.77	0.86	0.00	0.00	100	0.00
311.000	0.0	10.44	1.33	0.00	0.00	100	0.00
312.000	0.0	11.28	1.44	0.00	0.00	100	0.00
307.003	0.0	6.54	0.83	0.00	0.00	100	0.00
313.000	0.0	11.92	1.52	0.00	0.00	100	0.00
314.000	0.0	19.23	2.45	0.00	0.00	100	0.00
307.004	0.0	6.01	0.76	0.00	0.00	100	0.00
315.000	0.0	11.58	1.47	0.00	0.00	100	0.00
316.000	0.0	12.50	1.59	0.00	0.00	100	0.00
307.005	0.0	5.96	0.76	0.00	0.00	100	0.00
317.000	0.0	12.77	1.63	0.00	0.00	100	0.00
318.000	0.0	13.81	1.76	0.00	0.00	100	0.00
307.006	0.0	5.97	0.76	0.00	0.00	100	0.00
319.000	0.0	9.34	1.19	0.00	0.00	100	0.00
320.000	0.0	10.18	1.30	0.00	0.00	100	0.00
319.001	0.0	8.89	1.13	0.00	0.00	100	0.00
321.000	0.0	11.59	1.48	0.00	0.00	100	0.00
322.000	0.0	19.48	2.48	0.00	0.00	100	0.00
319.002	0.0	7.29	0.93	0.00	0.00	100	0.00
323.000	0.0	12.07	1.54	0.00	0.00	100	0.00
324.000	0.0	22.22	2.83	0.00	0.00	100	0.00
319.003	0.0	7.37	0.94	0.00	0.00	100	0.00
325.000	0.0	11.64	1.48	0.00	0.00	100	0.00
326.000	0.0	12.72	1.62	0.00	0.00	100	0.00
319.004	0.0	7.18	0.91	0.00	0.00	100	0.00
327.000	0.0	9.45	1.20	0.00	0.00	100	0.00
328.000	0.0	10.34	1.32	0.00	0.00	100	0.00
327.001	0.0	16.16	2.06	0.00	0.00	100	0.00
329.000	0.0	14.05	1.79	0.00	0.00	100	0.00
330.000	0.0	24.78	3.15	0.00	0.00	100	0.00
319.005	0.0	18.19	2.32	0.00	0.00	100	0.00
287.006	22.0	13.29	0.75	1.02	0.44	28	0.31
331.000	0.0	8.30	1.06	0.00	0.00	100	0.00
332.000	0.0	9.03	1.15	0.00	0.00	100	0.00
331.001	0.0	9.52	1.21	0.00	0.00	100	0.00
333.000	0.0	10.69	1.36	0.00	0.00	100	0.00
334.000	0.0	17.90	2.28	0.00	0.00	100	0.00
331.002	0.0	7.30	0.93	0.00	0.00	100	0.00
335.000	0.0	11.13	1.42	0.00	0.00	100	0.00
336.000	0.0	12.12	1.54	0.00	0.00	100	0.00
331.003	0.0	6.46	0.82	0.00	0.00	100	0.00
337.000	0.0	12.75	1.62	0.00	0.00	100	0.00
338.000	0.0	21.64	2.76	0.00	0.00	100	0.00
331.004	0.0	6.69	0.85	0.00	0.00	100	0.00
339.000	0.0	13.56	1.73	0.00	0.00	100	0.00
340.000	0.0	24.21	3.08	0.00	0.00	100	0.00
331.005	0.0	6.90	0.88	0.00	0.00	100	0.00
341.000	0.0	14.87	1.89	0.00	0.00	100	0.00
342.000	0.0	27.92	3.55	0.00	0.00	100	0.00
331.006	0.0	6.33	0.81	0.00	0.00	100	0.00
343.000	0.0	13.98	1.78	0.00	0.00	100	0.00
344.000	0.0	15.26	1.94	0.00	0.00	100	0.00
331.007	0.0	5.85	0.74	0.00	0.00	100	0.00
345.000	0.0	9.89	1.26	0.00	0.00	100	0.00
346.000	0.0	14.34	1.83	0.00	0.00	100	0.00
345.001	0.0	8.21	1.04	0.00	0.00	100	0.00
347.000	0.0	11.62	1.48	0.00	0.00	100	0.00
348.000	0.0	18.31	2.33	0.00	0.00	100	0.00
345.002	0.0	6.43	0.82	0.00	0.00	100	0.00
349.000	0.0	15.15	1.93	0.00	0.00	100	0.00
350.000	0.0	22.11	2.82	0.00	0.00	100	0.00
345.003	0.0	7.14	0.91	0.00	0.00	100	0.00
351.000	0.0	15.27	1.94	0.00	0.00	100	0.00
352.000	0.0	23.84	3.04	0.00	0.00	100	0.00
345.004	0.0	7.45	0.95	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)
353.000	0.0	11.69	1.49	0.00	0.00	100	0.00
354.000	0.0	18.50	2.36	0.00	0.00	100	0.00
353.001	0.0	6.58	0.84	0.00	0.00	100	0.00
355.000	0.0	15.75	2.01	0.00	0.00	100	0.00
356.000	0.0	20.43	2.60	0.00	0.00	100	0.00
353.002	0.0	6.09	0.77	0.00	0.00	100	0.00
357.000	0.0	14.92	1.90	0.00	0.00	100	0.00
358.000	0.0	23.40	2.98	0.00	0.00	100	0.00
353.003	0.0	5.91	0.75	0.00	0.00	100	0.00
359.000	0.0	18.58	2.37	0.00	0.00	100	0.00
360.000	0.0	24.00	3.06	0.00	0.00	100	0.00
345.005	0.0	13.41	1.71	0.00	0.00	100	0.00
287.007	25.0	13.43	0.76	1.16	0.46	30	0.33
361.000	0.0	10.74	1.37	0.00	0.00	100	0.00
362.000	0.0	13.24	1.69	0.00	0.00	100	0.00
363.000	0.0	16.36	2.08	0.00	0.00	100	0.00
361.001	0.0	7.42	0.94	0.00	0.00	100	0.00
364.000	0.0	11.16	1.42	0.00	0.00	100	0.00
365.000	0.0	17.01	2.17	0.00	0.00	100	0.00
361.002	0.0	8.45	1.08	0.00	0.00	100	0.00
366.000	0.0	14.49	1.84	0.00	0.00	100	0.00
367.000	0.0	22.03	2.81	0.00	0.00	100	0.00
361.003	0.0	7.47	0.95	0.00	0.00	100	0.00
368.000	0.0	14.21	1.81	0.00	0.00	100	0.00
369.000	0.0	21.60	2.75	0.00	0.00	100	0.00
361.004	0.0	11.81	1.50	0.00	0.00	100	0.00
370.000	0.0	15.62	1.99	0.00	0.00	100	0.00
371.000	0.0	24.92	3.17	0.00	0.00	100	0.00
361.005	0.0	12.44	1.58	0.00	0.00	100	0.00
372.000	0.0	16.99	2.16	0.00	0.00	100	0.00
373.000	0.0	24.43	3.11	0.00	0.00	100	0.00
372.001	0.0	28.02	3.57	0.00	0.00	100	0.00
374.000	0.0	32.28	4.11	0.00	0.00	100	0.00
361.006	0.0	9.02	1.15	0.00	0.00	100	0.00
287.008	25.0	13.48	0.76	1.16	0.46	30	0.33
261.012	42.0	13.30	0.75	1.94	0.53	39	0.38
375.000	0.0	8.96	1.14	0.00	0.00	100	0.00
376.000	0.0	9.48	1.21	0.00	0.00	100	0.00
375.001	0.0	8.69	1.11	0.00	0.00	100	0.00
377.000	0.0	11.07	1.41	0.00	0.00	100	0.00
378.000	0.0	21.83	2.78	0.00	0.00	100	0.00
375.002	0.0	8.12	1.03	0.00	0.00	100	0.00
379.000	0.0	19.63	2.50	0.00	0.00	100	0.00
380.000	0.0	28.09	3.58	0.00	0.00	100	0.00
375.003	0.0	7.69	0.98	0.00	0.00	100	0.00
375.004	5.0	33.89	1.92	0.23	0.52	9	0.36
261.013	53.0	13.30	0.75	2.45	0.57	44	0.41
261.014	58.0	13.30	0.75	2.69	0.59	46	0.42
381.000	0.0	12.59	1.60	0.00	0.00	100	0.00
382.000	0.0	23.96	3.05	0.00	0.00	100	0.00
381.001	0.0	10.06	1.28	0.00	0.00	100	0.00
383.000	0.0	12.48	1.59	0.00	0.00	100	0.00
384.000	0.0	13.76	1.75	0.00	0.00	100	0.00
381.002	0.0	5.85	0.75	0.00	0.00	100	0.00
385.000	0.0	14.68	1.87	0.00	0.00	100	0.00
386.000	0.0	23.32	2.97	0.00	0.00	100	0.00
385.001	0.0	15.04	1.91	0.00	0.00	100	0.00
387.000	0.0	13.43	1.71	0.00	0.00	100	0.00
388.000	0.0	14.75	1.88	0.00	0.00	100	0.00
381.003	0.0	24.64	3.14	0.00	0.00	100	0.00
261.015	60.0	13.30	0.75	2.78	0.59	47	0.43
389.000	0.0	8.85	1.13	0.00	0.00	100	0.00
390.000	0.0	9.29	1.18	0.00	0.00	100	0.00
389.001	0.0	13.97	1.78	0.00	0.00	100	0.00
391.000	0.0	9.29	1.18	0.00	0.00	100	0.00
392.000	0.0	10.06	1.28	0.00	0.00	100	0.00
393.000	0.0	20.43	2.60	0.00	0.00	100	0.00
391.001	0.0	24.22	3.08	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)
394.000	0.0	15.34	1.95	0.00	0.00	100	0.00
395.000	0.0	25.68	3.27	0.00	0.00	100	0.00
394.001	0.0	10.82	1.38	0.00	0.00	100	0.00
389.002	0.0	6.41	0.82	0.00	0.00	100	0.00
261.016	60.0	13.37	0.76	2.78	0.59	47	0.43
261.017	60.0	48.25	2.73	2.78	1.47	25	1.04
1.019	197.0	59.56	0.84	9.12	0.61	79	0.44
396.000	185.0	13.69	0.77	8.56	0.82	86	0.61
396.001	185.0	13.69	0.77	8.56	0.82	86	0.61
396.002	204.0	13.55	0.77	9.44	0.83	92	0.62
397.000	15.0	15.17	0.86	0.69	0.43	22	0.30
397.001	15.0	49.73	2.81	0.69	0.97	13	0.67
396.003	219.0	64.46	0.91	10.14	0.67	80	0.48
396.004	219.0	86.88	1.23	10.14	0.82	69	0.59
398.000	65.0	17.58	0.99	3.01	0.74	42	0.53
398.001	65.0	131.34	1.86	3.01	0.76	31	0.54
396.005	408.0	96.30	1.36	18.89	1.06	90	0.77
396.006	408.0	96.30	1.36	18.89	1.06	90	0.77
396.007	408.0	17.59	0.44	18.89	-nan(ind)	394	0.41
396.008	408.0	66.48	0.94	18.89	0.81	109	0.59
399.000	90.0	20.87	1.18	4.17	0.92	46	0.66
399.001	90.0	13.60	0.77	4.17	0.68	57	0.49
399.002	90.0	20.01	1.13	4.17	0.89	47	0.64
1.020	695.0	109.83	1.55	32.18	1.35	111	0.99