

10-Sep-19

Nodes

Name	Units	Cover Level (m)	Manhole Type	Depth (m)
I1	13.6	80.350	Adoptable	0.700
I2	2.1	80.350	Adoptable	0.732
M1		80.350	Adoptable	0.831
M2		80.700	Adoptable	1.451
M3		81.000	Adoptable	3.628
M4		81.100	Adoptable	3.837
PS2		81.240	Adoptable	4.134
M5		79.500	Adoptable	1.251
M6		79.580	Adoptable	1.496
M7		80.150	Adoptable	2.339
I3	7.1	80.650	Adoptable	0.700
I4		80.650	Adoptable	0.875
I5	7.8	80.650	Adoptable	0.700
I6	5.2	80.750	Adoptable	0.700
I7	10.8	80.750	Adoptable	0.774
I8	10.2	80.450	Adoptable	0.700
I9	5.2	80.450	Adoptable	0.831
I10	2.1	80.150	Adoptable	0.850
I11	8.1	80.150	Adoptable	1.000
I12	3.7	80.150	Adoptable	1.059
I13		80.150	Adoptable	1.192
I14	2.1	79.950	Adoptable	0.700
I15	8.1	79.950	Adoptable	0.854
I16	3.7	79.950	Adoptable	0.913
I17		79.950	Adoptable	1.046
I18	2.1	79.400	Adoptable	0.700
I19	3.7	79.400	Adoptable	0.924
I20		79.400	Adoptable	0.988
I21		79.400	Adoptable	1.094
I22	3.1	79.400	Adoptable	0.700
I23	5.0	79.400	Adoptable	0.750
I24	2.1	79.650	Adoptable	0.700
I25	8.1	79.650	Adoptable	0.869
I26	3.7	79.650	Adoptable	0.915
I27	2.1	79.900	Adoptable	1.300
I28	8.1	79.900	Adoptable	1.469
I29	3.7	79.900	Adoptable	1.492
I30	8.1	80.250	Adoptable	0.700
I31		80.250	Adoptable	0.821
I32		80.250	Adoptable	0.970
I33	5.8	80.250	Adoptable	1.164

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Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)
F1.000	I1	I2	1.252	1.500	79.650	79.618	0.032	39.1	100
F1.001	I2	M1	7.906	1.500	79.618	79.519	0.099	80.0	100
F1.002	M1	M2	21.631	1.500	79.519	79.249	0.270	80.0	100
F1.003	M2	M3	36.411	1.500	79.249	78.794	0.455	80.0	100
F1.004	M3	M4	4.331	1.500	77.372	77.263	0.109	39.7	100
F1.005	M4	PS2	6.272	1.500	77.263	77.106	0.157	39.9	100
F2.000	I3	I4	5.179	1.500	79.950	79.821	0.129	40.0	100
F2.001	I4	M2	11.506	1.500	79.775	79.487	0.288	40.0	100
F3.000	I5	I4	6.973	1.500	79.950	79.775	0.175	39.8	100
F4.000	I6	I7	2.944	1.500	80.050	79.976	0.074	39.8	100
F4.001	I7	M2	2.311	1.500	79.976	79.918	0.058	39.8	100
F5.000	I8	I9	5.205	1.500	79.750	79.619	0.131	39.7	100
F5.001	I9	M3	1.411	1.500	79.619	79.583	0.036	39.2	100
F6.000	I18	I19	8.958	1.500	78.700	78.476	0.224	40.0	100
F6.001	I19	I20	5.146	1.500	78.476	78.412	0.064	80.0	100
F6.002	I20	I21	8.482	1.500	78.412	78.306	0.106	80.0	100
F6.003	I21	M5	4.570	1.500	78.306	78.249	0.057	80.0	100
F6.004	M5	M6	6.593	1.500	78.249	78.084	0.165	40.0	100
F6.005	M6	M7	10.935	1.500	78.084	77.811	0.273	40.0	100

Name	Pro Vel @ 1/3 Q (m/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Dwellings (ha)	Σ Units (ha)	Σ Add Inflow (ha)	Pro Depth (mm)	Pro Velocity (m/s)
F1.000	0.606	1.066	8.4	1.8	0.600	0.632	0.000	0	13.6	0.0	32	0.845
F1.001	0.488	0.744	5.8	2.0	0.632	0.731	0.000	0	15.7	0.0	40	0.671
F1.002	0.488	0.744	5.8	2.0	0.731	1.351	0.000	0	15.7	0.0	40	0.671
F1.003	0.572	0.744	5.8	3.4	1.351	2.106	0.000	0	46.6	0.0	55	0.774
F1.004	0.850	1.058	8.3	5.7	3.528	3.737	0.000	0	131.5	0.0	61	1.145
F1.005	0.870	1.055	8.3	6.0	3.737	4.034	0.000	0	145.4	0.0	63	1.151
F2.000	0.548	1.054	8.3	1.3	0.600	0.729	0.000	0	7.1	0.0	27	0.761
F2.001	0.616	1.055	8.3	1.9	0.775	1.113	0.000	0	14.9	0.0	33	0.859
F3.000	0.549	1.056	8.3	1.4	0.600	0.775	0.000	0	7.8	0.0	28	0.776
F4.000	0.531	1.057	8.3	1.1	0.600	0.674	0.000	0	5.2	0.0	25	0.736
F4.001	0.617	1.056	8.3	2.0	0.674	0.682	0.000	0	16.0	0.0	33	0.860
F5.000	0.584	1.058	8.3	1.6	0.600	0.731	0.000	0	10.2	0.0	30	0.814
F5.001	0.622	1.065	8.4	2.0	0.731	1.317	0.000	0	15.4	0.0	33	0.867
F6.000	0.453	1.054	8.3	0.7	0.600	0.824	0.000	0	2.1	0.0	20	0.632
F6.001	0.422	0.744	5.8	1.2	0.824	0.888	0.000	0	5.8	0.0	31	0.581
F6.002	0.422	0.744	5.8	1.2	0.888	0.994	0.000	0	5.8	0.0	31	0.581
F6.003	0.477	0.744	5.8	1.9	0.994	1.151	0.000	0	13.9	0.0	39	0.657
F6.004	0.678	1.055	8.3	2.6	1.151	1.396	0.000	0	27.8	0.0	39	0.932
F6.005	0.748	1.054	8.3	3.7	1.396	2.239	0.000	0	55.6	0.0	47	1.028

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Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)
F6.006	M7	M3	17.545	1.500	77.811	77.372	0.439	40.0	100
F7.000	I22	I23	1.982	1.500	78.700	78.650	0.050	39.6	100
F7.001	I23	I21	5.041	1.500	78.650	78.524	0.126	40.0	100
F8.000	I14	I15	6.149	1.500	79.250	79.096	0.154	39.9	100
F8.001	I15	I16	2.357	1.500	79.096	79.037	0.059	39.9	100
F8.002	I16	I17	5.297	1.500	79.037	78.904	0.133	39.8	100
F8.003	I17	M5	9.756	1.500	78.904	78.660	0.244	40.0	100
F9.000	I10	I11	6.000	1.500	79.300	79.150	0.150	40.0	100
F9.001	I11	I12	2.357	1.500	79.150	79.091	0.059	39.9	100
F9.002	I12	I13	5.297	1.500	79.091	78.958	0.133	39.8	100
F9.003	I13	M6	7.321	1.500	78.958	78.774	0.184	39.8	100
F10.000	I24	I25	6.747	1.500	78.950	78.781	0.169	39.9	100
F10.001	I25	I26	1.827	1.500	78.781	78.735	0.046	39.7	100
F10.002	I26	M6	9.732	1.500	78.735	78.424	0.311	31.3	100
F11.000	I27	I28	6.747	1.500	78.600	78.431	0.169	39.9	100
F11.001	I28	I29	1.813	1.500	78.431	78.408	0.023	78.8	100
F11.002	I29	M7	9.747	1.500	78.408	78.286	0.122	79.9	100
F12.000	I30	I31	4.807	1.500	79.550	79.429	0.121	39.7	100

Name	Pro Vel @ 1/3 Q (m/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Dwellings (ha)	Σ Units (ha)	Σ Add Inflow (ha)	Pro Depth (mm)	Pro Velocity (m/s)
F6.006	0.774	1.054	8.3	4.2	2.239	3.528	0.000	0	69.5	0.0	50	1.058
F7.000	0.475	1.059	8.3	0.9	0.600	0.650	0.000	0	3.1	0.0	22	0.681
F7.001	0.565	1.054	8.3	1.4	0.650	0.776	0.000	0	8.1	0.0	29	0.787
F8.000	0.453	1.055	8.3	0.7	0.600	0.754	0.000	0	2.1	0.0	20	0.632
F8.001	0.583	1.055	8.3	1.6	0.754	0.813	0.000	0	10.2	0.0	30	0.812
F8.002	0.617	1.056	8.3	1.9	0.813	0.946	0.000	0	13.9	0.0	32	0.849
F8.003	0.616	1.054	8.3	1.9	0.946	0.740	0.000	0	13.9	0.0	32	0.847
F9.000	0.453	1.054	8.3	0.7	0.750	0.900	0.000	0	2.1	0.0	20	0.632
F9.001	0.583	1.055	8.3	1.6	0.900	0.959	0.000	0	10.2	0.0	30	0.812
F9.002	0.617	1.056	8.3	1.9	0.959	1.092	0.000	0	13.9	0.0	32	0.849
F9.003	0.617	1.057	8.3	1.9	1.092	0.706	0.000	0	13.9	0.0	32	0.849
F10.000	0.453	1.055	8.3	0.7	0.600	0.769	0.000	0	2.1	0.0	20	0.632
F10.001	0.585	1.058	8.3	1.6	0.769	0.815	0.000	0	10.2	0.0	30	0.814
F10.002	0.659	1.192	9.4	1.9	0.815	1.056	0.000	0	13.9	0.0	30	0.918
F11.000	0.453	1.055	8.3	0.7	1.200	1.369	0.000	0	2.1	0.0	20	0.632
F11.001	0.460	0.749	5.9	1.6	1.369	1.392	0.000	0	10.2	0.0	36	0.633
F11.002	0.478	0.744	5.8	1.9	1.392	1.764	0.000	0	13.9	0.0	39	0.658
F12.000	0.567	1.058	8.3	1.4	0.600	0.721	0.000	0	8.1	0.0	29	0.789

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Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)
F12.001	I31	I32	5.944	1.500	79.429	79.280	0.149	39.9	100
F12.002	I32	I33	7.737	1.500	79.280	79.086	0.194	39.9	100
F12.003	I33	M4	9.874	1.500	79.086	78.839	0.247	40.0	100

Name	Pro Vel @ 1/3 Q (m/s)	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Dwellings (ha)	Σ Units (ha)	Σ Add Inflow (ha)	Pro Depth (mm)	Pro Velocity (m/s)
F12.001	0.566	1.055	8.3	1.4	0.721	0.870	0.000	0	8.1	0.0	29	0.788
F12.002	0.566	1.056	8.3	1.4	0.870	1.064	0.000	0	8.1	0.0	29	0.788
F12.003	0.616	1.054	8.3	1.9	1.064	2.161	0.000	0	13.9	0.0	32	0.847

Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
F1.000	1.252	39.1	100	Circular	80.350	79.650	0.600	80.350	79.618	0.632
F1.001	7.906	80.0	100	Circular	80.350	79.618	0.632	80.350	79.519	0.731
F1.002	21.631	80.0	100	Circular	80.350	79.519	0.731	80.700	79.249	1.351
F1.003	36.411	80.0	100	Circular	80.700	79.249	1.351	81.000	78.794	2.106
F1.004	4.331	39.7	100	Circular	81.000	77.372	3.528	81.100	77.263	3.737
F1.005	6.272	39.9	100	Circular	81.100	77.263	3.737	81.240	77.106	4.034
F2.000	5.179	40.0	100	Circular	80.650	79.950	0.600	80.650	79.821	0.729
F2.001	11.506	40.0	100	Circular	80.650	79.775	0.775	80.700	79.487	1.113
F3.000	6.973	39.8	100	Circular	80.650	79.950	0.600	80.650	79.775	0.775
F4.000	2.944	39.8	100	Circular	80.750	80.050	0.600	80.750	79.976	0.674
F4.001	2.311	39.8	100	Circular	80.750	79.976	0.674	80.700	79.918	0.682
F5.000	5.205	39.7	100	Circular	80.450	79.750	0.600	80.450	79.619	0.731
F5.001	1.411	39.2	100	Circular	80.450	79.619	0.731	81.000	79.583	1.317

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
F1.000	I1	300	Manhole	Adoptable	I2	300	Manhole	Adoptable
F1.001	I2	300	Manhole	Adoptable	M1	600	Manhole	Adoptable
F1.002	M1	600	Manhole	Adoptable	M2	600	Manhole	Adoptable
F1.003	M2	600	Manhole	Adoptable	M3	600	Manhole	Adoptable
F1.004	M3	600	Manhole	Adoptable	M4	600	Manhole	Adoptable
F1.005	M4	600	Manhole	Adoptable	PS2	1200	Manhole	Adoptable
F2.000	I3	300	Manhole	Adoptable	I4	300	Manhole	Adoptable
F2.001	I4	300	Manhole	Adoptable	M2	600	Manhole	Adoptable
F3.000	I5	300	Manhole	Adoptable	I4	300	Manhole	Adoptable
F4.000	I6	300	Manhole	Adoptable	I7	300	Manhole	Adoptable
F4.001	I7	300	Manhole	Adoptable	M2	600	Manhole	Adoptable
F5.000	I8	300	Manhole	Adoptable	I9	300	Manhole	Adoptable
F5.001	I9	300	Manhole	Adoptable	M3	600	Manhole	Adoptable

Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
F6.000	8.958	40.0	100	Circular	79.400	78.700	0.600	79.400	78.476	0.824
F6.001	5.146	80.0	100	Circular	79.400	78.476	0.824	79.400	78.412	0.888
F6.002	8.482	80.0	100	Circular	79.400	78.412	0.888	79.400	78.306	0.994
F6.003	4.570	80.0	100	Circular	79.400	78.306	0.994	79.500	78.249	1.151
F6.004	6.593	40.0	100	Circular	79.500	78.249	1.151	79.580	78.084	1.396
F6.005	10.935	40.0	100	Circular	79.580	78.084	1.396	80.150	77.811	2.239
F6.006	17.545	40.0	100	Circular	80.150	77.811	2.239	81.000	77.372	3.528
F7.000	1.982	39.6	100	Circular	79.400	78.700	0.600	79.400	78.650	0.650
F7.001	5.041	40.0	100	Circular	79.400	78.650	0.650	79.400	78.524	0.776
F8.000	6.149	39.9	100	Circular	79.950	79.250	0.600	79.950	79.096	0.754
F8.001	2.357	39.9	100	Circular	79.950	79.096	0.754	79.950	79.037	0.813
F8.002	5.297	39.8	100	Circular	79.950	79.037	0.813	79.950	78.904	0.946
F8.003	9.756	40.0	100	Circular	79.950	78.904	0.946	79.500	78.660	0.740
F9.000	6.000	40.0	100	Circular	80.150	79.300	0.750	80.150	79.150	0.900
F9.001	2.357	39.9	100	Circular	80.150	79.150	0.900	80.150	79.091	0.959
F9.002	5.297	39.8	100	Circular	80.150	79.091	0.959	80.150	78.958	1.092
F9.003	7.321	39.8	100	Circular	80.150	78.958	1.092	79.580	78.774	0.706
F10.000	6.747	39.9	100	Circular	79.650	78.950	0.600	79.650	78.781	0.769
F10.001	1.827	39.7	100	Circular	79.650	78.781	0.769	79.650	78.735	0.815
F10.002	9.732	31.3	100	Circular	79.650	78.735	0.815	79.580	78.424	1.056

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
F6.000	I18	300	Manhole	Adoptable	I19	300	Manhole	Adoptable
F6.001	I19	300	Manhole	Adoptable	I20	300	Manhole	Adoptable
F6.002	I20	300	Manhole	Adoptable	I21	300	Manhole	Adoptable
F6.003	I21	300	Manhole	Adoptable	M5	600	Manhole	Adoptable
F6.004	M5	600	Manhole	Adoptable	M6	600	Manhole	Adoptable
F6.005	M6	600	Manhole	Adoptable	M7	600	Manhole	Adoptable
F6.006	M7	600	Manhole	Adoptable	M3	600	Manhole	Adoptable
F7.000	I22	300	Manhole	Adoptable	I23	300	Manhole	Adoptable
F7.001	I23	300	Manhole	Adoptable	I21	300	Manhole	Adoptable
F8.000	I14	300	Manhole	Adoptable	I15	300	Manhole	Adoptable
F8.001	I15	300	Manhole	Adoptable	I16	300	Manhole	Adoptable
F8.002	I16	300	Manhole	Adoptable	I17	300	Manhole	Adoptable
F8.003	I17	300	Manhole	Adoptable	M5	600	Manhole	Adoptable
F9.000	I10	300	Manhole	Adoptable	I11	300	Manhole	Adoptable
F9.001	I11	300	Manhole	Adoptable	I12	300	Manhole	Adoptable
F9.002	I12	300	Manhole	Adoptable	I13	300	Manhole	Adoptable
F9.003	I13	300	Manhole	Adoptable	M6	600	Manhole	Adoptable
F10.000	I24	300	Manhole	Adoptable	I25	300	Manhole	Adoptable
F10.001	I25	300	Manhole	Adoptable	I26	300	Manhole	Adoptable
F10.002	I26	300	Manhole	Adoptable	M6	600	Manhole	Adoptable

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Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
F11.000	6.747	39.9	100	Circular	79.900	78.600	1.200	79.900	78.431	1.369
F11.001	1.813	78.8	100	Circular	79.900	78.431	1.369	79.900	78.408	1.392
F11.002	9.747	79.9	100	Circular	79.900	78.408	1.392	80.150	78.286	1.764
F12.000	4.807	39.7	100	Circular	80.250	79.550	0.600	80.250	79.429	0.721
F12.001	5.944	39.9	100	Circular	80.250	79.429	0.721	80.250	79.280	0.870
F12.002	7.737	39.9	100	Circular	80.250	79.280	0.870	80.250	79.086	1.064
F12.003	9.874	40.0	100	Circular	80.250	79.086	1.064	81.100	78.839	2.161

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
F11.000	I27	300	Manhole	Adoptable	I28	300	Manhole	Adoptable
F11.001	I28	300	Manhole	Adoptable	I29	300	Manhole	Adoptable
F11.002	I29	300	Manhole	Adoptable	M7	600	Manhole	Adoptable
F12.000	I30	300	Manhole	Adoptable	I31	300	Manhole	Adoptable
F12.001	I31	300	Manhole	Adoptable	I32	300	Manhole	Adoptable
F12.002	I32	300	Manhole	Adoptable	I33	300	Manhole	Adoptable
F12.003	I33	300	Manhole	Adoptable	M4	600	Manhole	Adoptable

Manhole Schedule

Node	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
I1	80.350	0.700	300				
				0	F1.000	79.650	100
I2	80.350	0.732	300				
				0	F1.001	79.618	100
M1	80.350	0.831	600				
				0	F1.002	79.519	100
M2	80.700	1.451	600				
				1	F4.001	79.918	100
				2	F2.001	79.487	100
				3	F1.002	79.249	100
				0	F1.003	79.249	100
M3	81.000	3.628	600				
				1	F5.001	79.583	100
				2	F6.006	77.372	100
				3	F1.003	78.794	100
				0	F1.004	77.372	100
M4	81.100	3.837	600				
				1	F12.003	78.839	100
				2	F1.004	77.263	100
				0	F1.005	77.263	100

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Manhole Schedule

Node	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
PS2	81.240	4.134	1200	 1	F1.005	77.106	100
M5	79.500	1.251	600	 1	F8.003	78.660	100
				2	F6.003	78.249	100
				0	F6.004	78.249	100
M6	79.580	1.496	600	 1	F10.002	78.424	100
				2	F9.003	78.774	100
				3	F6.004	78.084	100
				0	F6.005	78.084	100
M7	80.150	2.339	600	 1	F11.002	78.286	100
				2	F6.005	77.811	100
				0	F6.006	77.811	100
I3	80.650	0.700	300	 0	F2.000	79.950	100
I4	80.650	0.875	300	 1	F2.000	79.821	100
				2	F3.000	79.775	100
				0	F2.001	79.775	100
I5	80.650	0.700	300	 0	F3.000	79.950	100
I6	80.750	0.700	300	 0	F4.000	80.050	100
I7	80.750	0.774	300	 1	F4.000	79.976	100
				0	F4.001	79.976	100
I8	80.450	0.700	300	 0	F5.000	79.750	100
I9	80.450	0.831	300	 1	F5.000	79.619	100
				0	F5.001	79.619	100
I10	80.150	0.850	300	 0	F9.000	79.300	100
I11	80.150	1.000	300	 1	F9.000	79.150	100
				0	F9.001	79.150	100

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Manhole Schedule

Node	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
I12	80.150	1.059	300	 1	F9.001	79.091	100
				0	F9.002	79.091	100
I13	80.150	1.192	300	 1	F9.002	78.958	100
				0	F9.003	78.958	100
I14	79.950	0.700	300	 0	F8.000	79.250	100
I15	79.950	0.854	300	 1	F8.000	79.096	100
				0	F8.001	79.096	100
I16	79.950	0.913	300	 1	F8.001	79.037	100
				0	F8.002	79.037	100
I17	79.950	1.046	300	 1	F8.002	78.904	100
				0	F8.003	78.904	100
I18	79.400	0.700	300	 0	F6.000	78.700	100
I19	79.400	0.924	300	 1	F6.000	78.476	100
				0	F6.001	78.476	100
I20	79.400	0.988	300	 1	F6.001	78.412	100
				0	F6.002	78.412	100
I21	79.400	1.094	300	 1	F7.001	78.524	100
				2	F6.002	78.306	100
				0	F6.003	78.306	100
I22	79.400	0.700	300	 0	F7.000	78.700	100
I23	79.400	0.750	300	 1	F7.000	78.650	100
				0	F7.001	78.650	100
I24	79.650	0.700	300	 0	F10.000	78.950	100

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Manhole Schedule

Node	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
I25	79.650	0.869	300	1 	F10.000	78.781	100
				0	F10.001	78.781	100
I26	79.650	0.915	300	1 	F10.001	78.735	100
				0	F10.002	78.735	100
I27	79.900	1.300	300	0 	F11.000	78.600	100
I28	79.900	1.469	300	1 	F11.000	78.431	100
				0	F11.001	78.431	100
I29	79.900	1.492	300	1 	F11.001	78.408	100
				0	F11.002	78.408	100
I30	80.250	0.700	300	0 	F12.000	79.550	100
I31	80.250	0.821	300	1 	F12.000	79.429	100
				0	F12.001	79.429	100
I32	80.250	0.970	300	1 	F12.001	79.280	100
				0	F12.002	79.280	100
I33	80.250	1.164	300	1 	F12.002	79.086	100
				0	F12.003	79.086	100