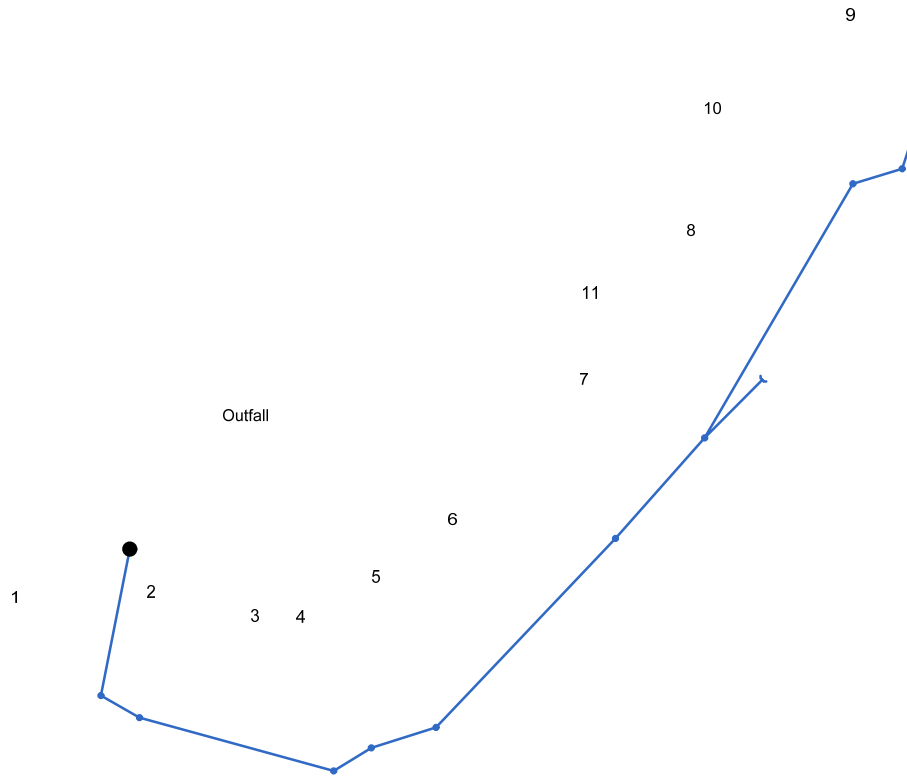


APPENDIX C
Hydraulic Pipe Model Data

Shady_Hill_Road-Ledgewood_Road

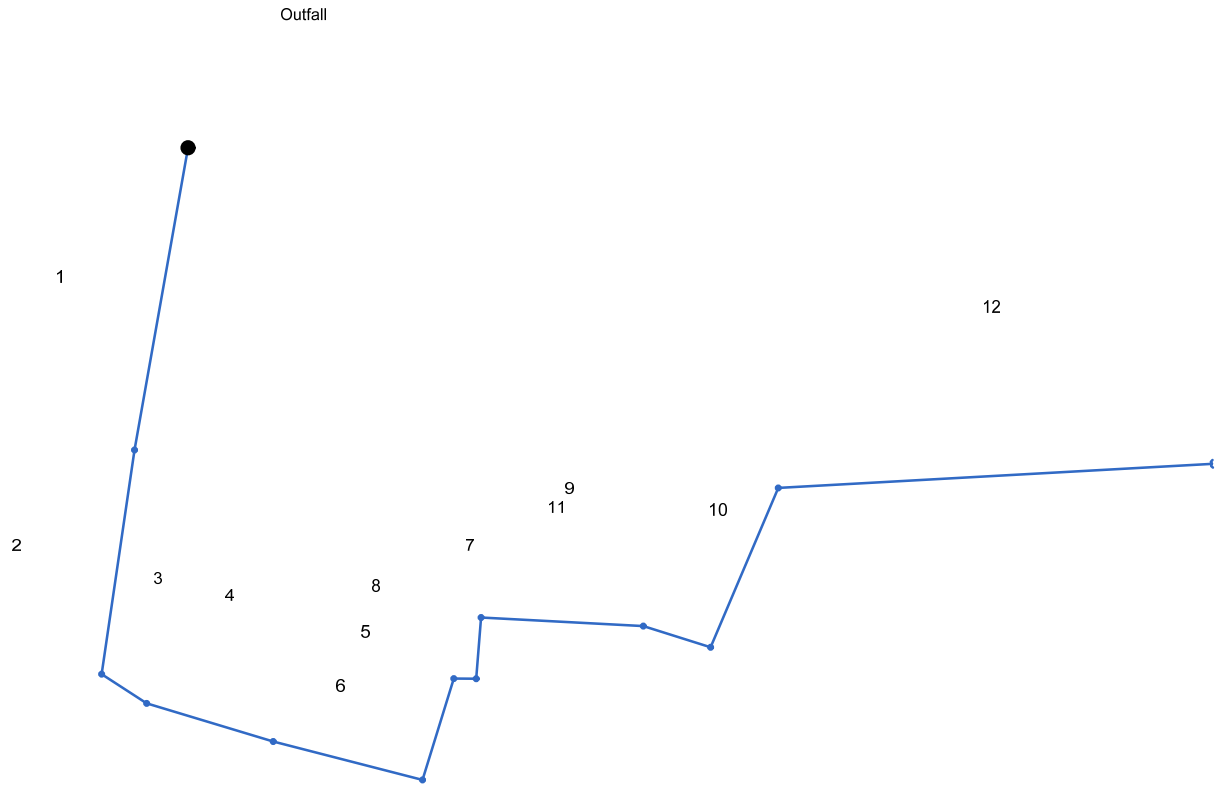


Line No.	Line ID	Flow Rate (cfs)	Line Size (in)	Line Type	Line Length (ft)	Line Slope (%)	Capac Full (cfs)	Vel Ave (ft/s)	Invert Dn (ft)	Invert Up (ft)	HGL Dn (ft)	HGL Up (ft)	Gnd/Rim EI Dn (ft)	Gnd/Rim EI Up (ft)	Minor Loss (ft)	Junct Type
1	Outfall-DMH14	29.83	12	Cir	128.000	6.25	8.90	37.98	227.20	235.20	228.20	318.04	0.00	242.97	21.53	MH
2	DMH14-CB13	29.83	12	Cir	38.000	0.26	1.83	37.98	236.10	236.20	339.57	366.24	242.97	242.20	6.73	MH
3	CB13-DMH7	29.83	12	Cir	172.000	0.00	0.00	37.98	236.20	236.20	372.97	493.69	242.20	243.56	17.27	MH
4	DMH7-DMH?	29.83	12	Cir	37.700	0.48	2.46	37.98	236.20	236.38	510.96	537.42	243.56	243.50	6.50	MH
5	DMH?-PDMH1	29.83	15	Cir	58.000	1.29	7.34	24.31	236.40	237.15	543.93	556.31	243.50	243.43	4.96	MH
6	PDMH1-DMH8	29.83	15	Cir	223.000	0.96	6.34	24.31	237.15	239.30	561.27	608.87	243.43	244.11	1.38	MH
7	DMH8-DMH6	17.11	15	Cir	115.000	3.74	12.49	13.94	239.50	243.80	610.25	618.33	244.11	248.03	0.73	MH
8	DMH6-DMH4	4.65	15	Cir	252.000	3.25	11.65	3.79	245.30	253.50	619.05	620.36	248.03	257.94	0.16	MH
9	DMH4-CB3	4.65	12	Cir	44.000	1.36	4.16	5.92	253.60	254.20	620.52	621.27	257.94	257.52	0.46	MH
10	CB3-CB2	4.65	12	Cir	27.000	0.37	2.17	5.92	254.20	254.30	621.74	622.20	257.52	257.45	0.54	MH
11	DMH6-Inlet	12.46	12	Cir	70.000	7.64	9.85	15.87	243.90	249.25	619.05	627.63	248.03	252.00	3.91	Hdwall

Shady_Hill_Road-Ledgewood_Road	Number of lines: 11	Date: 1/13/2012
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NOTES: i Inlet control; ** Critical depth

Hydraflow Storm Sewers Extension for AutoCAD® Civil 3D® 2011 Plan

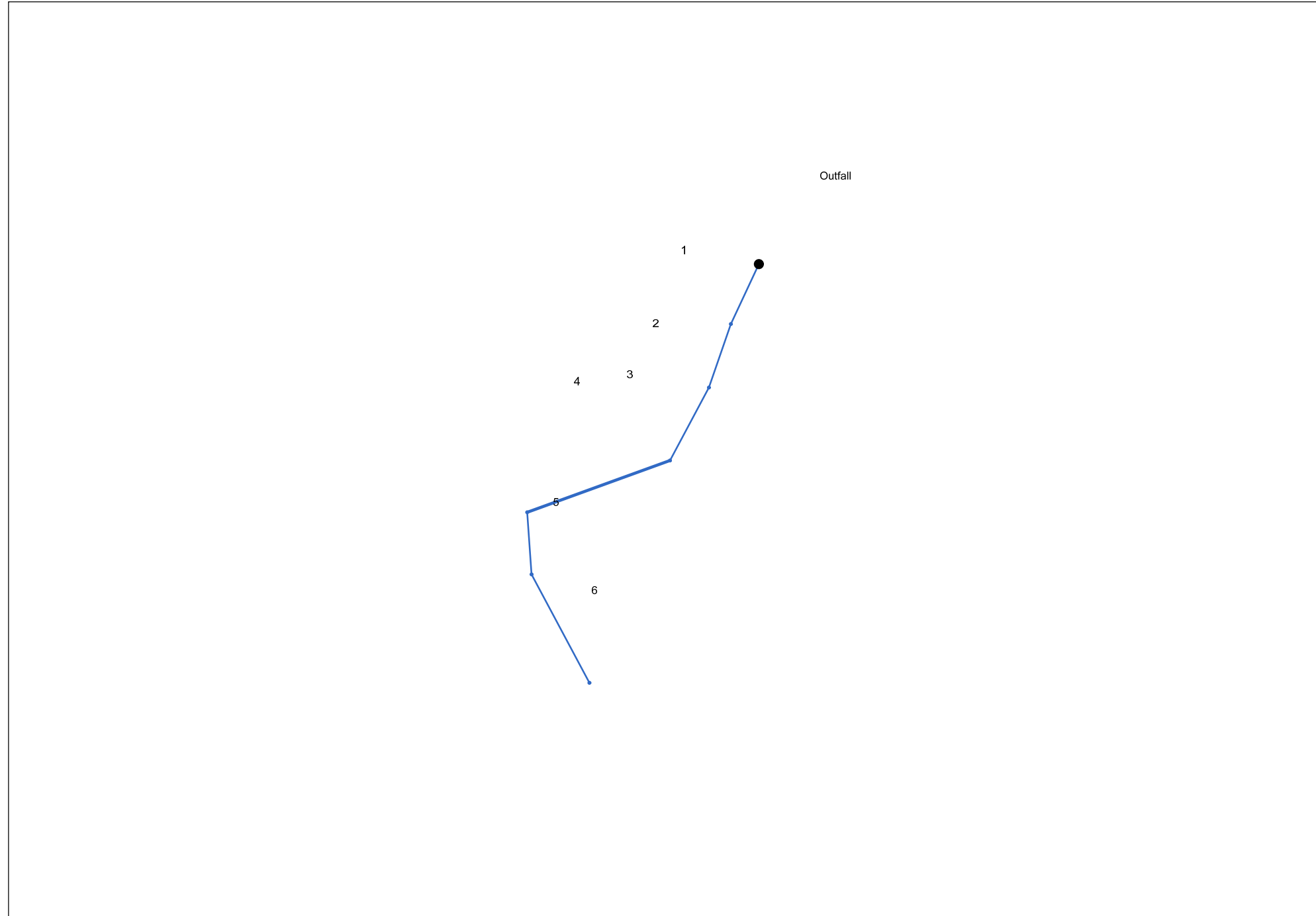


Line No.	Line ID	Flow Rate (cfs)	Line Size (in)	Line Type	Line Length (ft)	Line Slope (%)	Capac Full (cfs)	Vel Ave (ft/s)	Invert Dn (ft)	Invert Up (ft)	HGL Dn (ft)	HGL Up (ft)	Gnd/Rim EI Dn (ft)	Gnd/Rim EI Up (ft)	Minor Loss (ft)	Junct Type
1	DMH17-Outfall	51.61	12	Cir	275.000	0.44	2.35	65.72	224.40	225.60	225.65	803.37	0.00	231.86	10.07	MH
2	DMH17-DMH18	51.61	12	Cir	203.000	0.05	0.79	65.72	225.90	226.00	813.44	1239.91	231.86	229.00	61.76	MH
3	DMH18-CB19	47.04	15	Cir	48.000	0.00	0.00	38.34	226.00	226.00	1301.68	1327.16	229.00	228.50	7.54	MH
4	CB19-CB20	43.91	15	Cir	118.000	0.00	0.00	35.78	226.00	226.00	1334.70	1389.28	228.50	228.00	2.99	MH
5	CB-20-CB21	43.91	15	Cir	137.664	2.18	9.53	35.78	226.00	229.00	1392.27	1455.95	228.00	233.00	19.90	MH
6	CB21-CB22	10.08	15	Cir	95.000	0.05	1.48	8.21	228.85	228.90	1475.85	1478.17	233.00	233.50	1.02	MH
7	CB-22-CB23	10.08	15	Cir	20.000	0.25	3.23	8.21	228.95	229.00	1479.18	1479.67	233.50	233.50	1.05	MH
8	CB23-DMH24	10.08	15	Cir	55.000	0.09	1.95	8.21	229.05	229.10	1480.72	1482.06	233.50	235.00	1.05	MH
9	DMH24-CB25	10.08	12	Cir	145.000	0.34	2.09	12.84	230.00	230.50	1483.11	1494.73	235.00	235.50	0.77	MH
10	CB25-DMH26	10.08	12	Cir	63.000	3.81	6.95	12.84	230.60	233.00	1495.50	1500.55	235.50	238.00	2.56	MH
11	DMH26-CB27	10.08	12	Cir	155.000	0.03	0.64	12.84	233.10	233.15	1503.11	1515.53	238.00	235.50	2.36	MH
12	CB27-Inlet	1.52	10	Cir	387.000	6.41	5.54	2.79	233.28	258.08	1517.89	1519.75	235.50	259.00	0.12	Hdwall

Project File: ShadyHillRoad_Existing.stm	Number of lines: 12	Date: 1/13/2012
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NOTES: ** Critical depth

Pond Brook Circle



Line No.	Line ID	Flow Rate (cfs)	Line Size (in)	Line Type	Line Length (ft)	Line Slope (%)	Capac Full (cfs)	Vel Ave (ft/s)	Invert Dn (ft)	Invert Up (ft)	HGL Dn (ft)	HGL Up (ft)	Gnd/Rim El Dn (ft)	Gnd/Rim El Up (ft)	Minor Loss (ft)	Junct Type
1	Outfall-DMH1	122.09	24 x 36	Box	120.000	0.00	0.00	20.35	185.80	185.80	188.34	195.86	0.00	194.00	n/a	MH
2	DMH1-DMH2	122.09	24 x 36	Box	122.000	0.00	0.00	20.35	185.80	185.80	196.82	204.46	194.00	194.00	n/a	MH
3	DMH2-DMH3	122.09	24 x 36	Box	150.000	0.00	0.00	20.35	185.80	185.80	205.69	215.08	194.00	190.00	n/a	MH
4	DMH3-CB 5	122.09	36(2b)	Cir	275.000	0.00	0.00	8.64	185.80	185.80	219.72	222.02	190.00	189.78	1.68	Grate
5	CB5-DMH7	76.16	24	Cir	113.000	0.44	15.05	24.24	185.80	186.30	223.70	236.52	189.78	193.04	4.20	MH
6	DMH7-Inlet	76.16	24	Cir	223.000	1.86	30.85	24.24	186.40	190.55	240.73	266.02	193.04	194.00	9.14	Generic

Pond Brook Circle	Number of lines: 6	Date: 1/13/2012
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NOTES: ** Critical depth