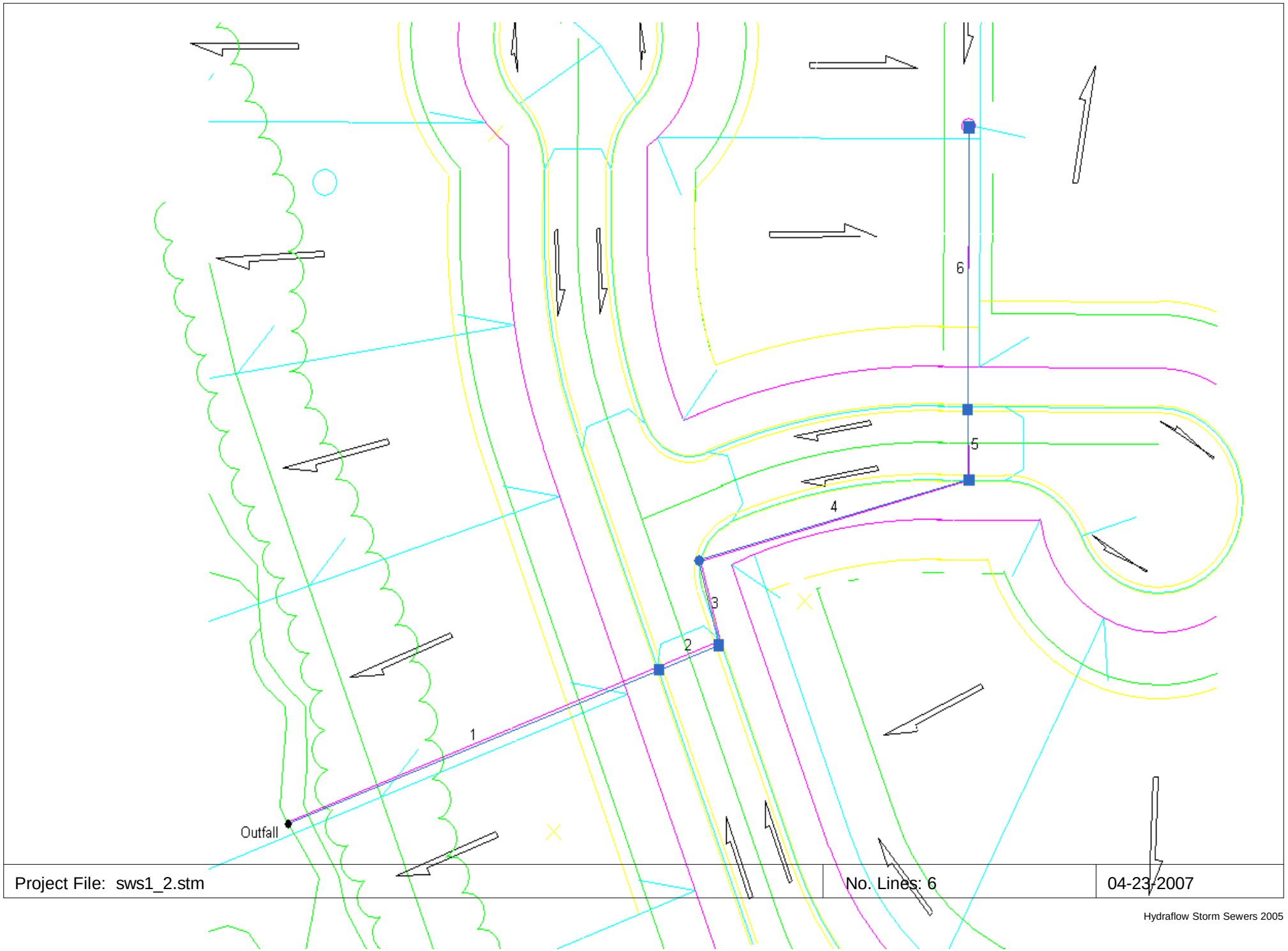
Hydraflow Plan View



Project File: sws1_2.stm	No. Lines: 6	04-23-2007

Inlet Report

Line No	Inlet ID	Q = CIA (cfs)	Q carry (cfs)	Q capt (cfs)	Q byp (cfs)	Junc type	Curb Inlet		Grate Inlet			Gutter							Inlet			Byp line No
							Ht (in)	L (ft)	area (sqft)	L (ft)	W (ft)	So (ft/ft)	W (ft)	Sw (ft/ft)	Sx (ft/ft)	n	Depth (ft)	Spread (ft)	Depth (ft)	Spread (ft)	Depr (in)	
1		1.55*	0.00	1.55	0.00	Curb	6.0	10.00	0.00	0.00	0.00	Sag	2.00	0.080	0.030	0.000	0.23	4.45	0.30	4.45	2.00	Off
2		1.55*	0.00	1.55	0.00	Curb	6.0	10.00	0.00	0.00	0.00	Sag	2.00	0.080	0.030	0.000	0.23	4.45	0.30	4.45	2.00	Off
3		0.00	0.00	0.00	0.00	MH	0.0	0.00	0.00	0.00	0.00	Sag	0.00	0.000	0.000	0.000	0.00	0.00	0.00	0.00	0.00	Off
4		0.65*	0.00	0.65	0.00	Curb	6.0	5.00	0.00	0.00	0.00	0.005	2.00	0.080	0.030	0.013	0.22	3.83	0.25	2.71	2.00	2
5		0.65*	0.00	0.65	0.00	Curb	6.0	5.00	0.00	0.00	0.00	0.005	2.00	0.080	0.030	0.013	0.22	3.83	0.25	2.71	2.00	2
6		1.30*	0.00	1.30	0.00	DrGrt	0.0	0.00	2.00	4.00	2.00	Sag	2.00	0.020	0.020	0.000	0.11	12.91	0.11	12.91	0.00	Off

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NOTES: Inlet N-Values = 0.016 ; Intensity = 69.87 / (Inlet time + 13.10) ^ 0.87; Return period = 2 Yrs. ; * Indicates Known Q added

Hydraulic Grade Line Computations

Line	Size	Q	Downstream								Len	Upstream								Check		JL coeff	Minor loss
			Invert elev	HGL elev	Depth	Area	Vel	Vel head	EGL elev	Sf		Invert elev	HGL elev	Depth	Area	Vel	Vel head	EGL elev	Sf	Ave Sf	Enrgy loss		
	(in)	(cfs)	(ft)	(ft)	(ft)	(sqft)	(ft/s)	(ft)	(ft)	(%)	(ft)	(ft)	(ft)	(ft)	(sqft)	(ft/s)	(ft)	(ft)	(%)	(%)	(ft)	(K)	(ft)
1	18	5.70	1251.00	1252.50	1.50	1.77	3.23	0.16	1252.66	0.295	165	1251.50	1252.96	1.45	1.75	3.25	0.16	1253.12	0.259	0.277	0.458	0.50	0.08
2	18	4.15	1256.50	1257.44	0.94*	1.17	3.55	0.20	1257.64	n/a	26.6	1256.58	1257.52	0.94	1.17	3.54	0.20	1257.72i	n/a	n/a	-0.115	1.49	n/a
3	15	2.60	1256.83	1257.60	0.77*	0.79	3.28	0.17	1257.77	n/a	33.1	1256.94	1257.71	0.77	0.79	3.28	0.17	1257.88i	n/a	n/a	-0.058	1.00	n/a
4	15	2.60	1256.94	1257.76	0.82	0.85	3.05	0.14	1257.91	n/a	117	1257.32	1258.09	0.77	0.80	3.27	0.17	1258.26i	n/a	n/a	0.188	1.46	n/a
5	15	1.95	1257.32	1258.14	0.82	0.85	2.29	0.08	1258.22	0.156	26.6	1257.40	1258.17	0.77	0.79	2.46	0.09	1258.26	0.187	0.172	0.046	0.50	0.05
6	15	1.30	1257.40	1258.29	0.89	0.94	1.39	0.03	1258.32	0.055	107	1257.75	1258.37	0.62	0.61	2.14	0.07	1258.44	0.167	0.111	0.118	1.00	0.07

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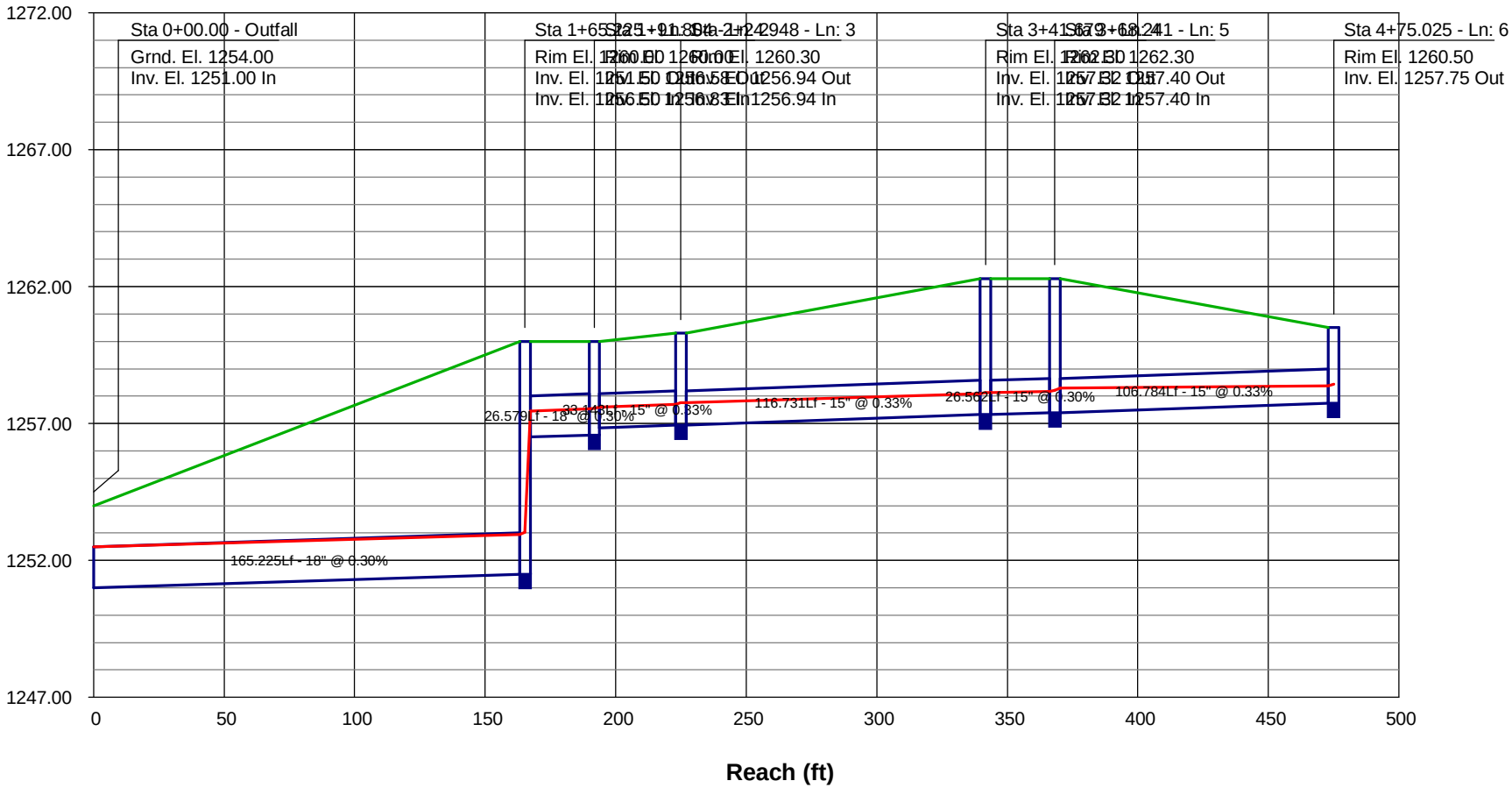
Notes: * Normal depth assumed.

Storm Sewer Profile

Proj. file: sws1_2.stm