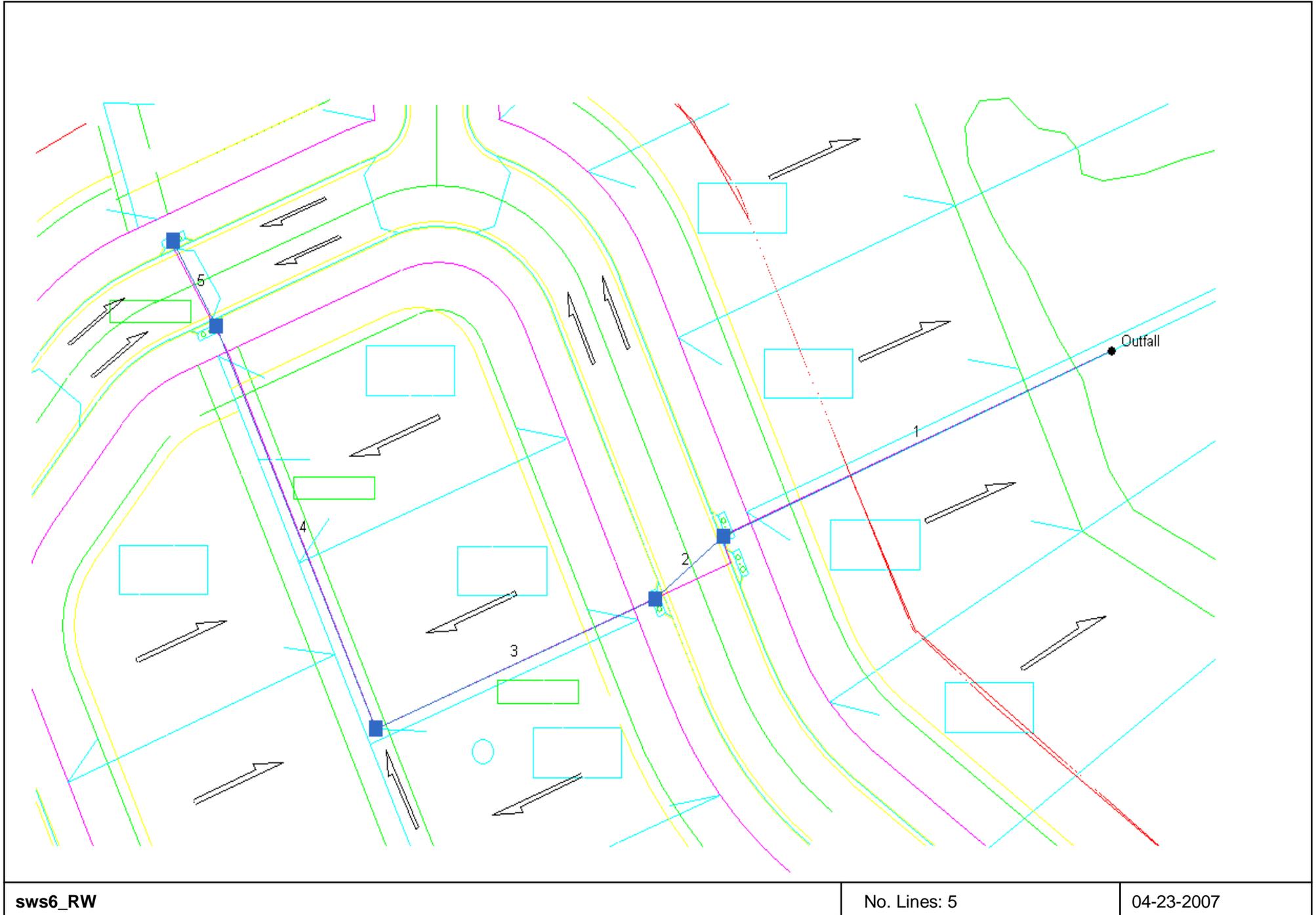


# Hydraflow Plan View



# Storm Sewer Summary Report

Line No.	Line ID	Flow rate (cfs)	Line size (in)	Line length (ft)	Invert EL Dn (ft)	Invert EL Up (ft)	Line slope (%)	HGL down (ft)	HGL up (ft)	Minor loss (ft)	HGL Junct (ft)	Dns line No.
1		18.40	24 c	196.5	1250.00	1251.18	0.601	1252.00*	1253.30*	n/a	1253.57 i	End
2		17.25	24 c	41.0	1251.18	1251.43	0.609	1253.57*	1253.81*	0.24	1254.05	1
3		16.10	24 c	140.8	1251.43	1252.28	0.604	1254.11*	1254.82*	0.61	1255.44	2
4		12.80	24 c	184.6	1252.28	1253.39	0.601	1255.59*	1256.18*	0.13	1256.31	3
5		6.40	15 c	41.1	1254.14	1254.38	0.577	1256.31*	1256.71*	0.42	1257.13	4

sws6_RW	Number of lines: 5	Run Date: 04-23-2007
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NOTES: c = cir; e = ellip; b = box; Return period = 10 Yrs. ; \*Surcharged (HGL above crown). ; i - Inlet control.

# 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		1.15*	0.00	1.15	0.00	Curb	6.0	6.00	2.00	4.00	2.00	Sag	2.00	0.080	0.050	0.013	0.20	2.76	0.30	2.76	2.00	Off
2		1.15*	0.00	1.15	0.00	Curb	6.0	6.00	2.00	4.00	2.00	Sag	2.00	0.080	0.050	0.013	0.20	2.76	0.30	2.76	2.00	1
3		3.30*	0.00	3.30	0.00	DrGrt	6.0	6.00	2.00	4.00	2.00	Sag	2.00	0.050	0.050	0.013	0.20	10.13	0.20	10.13	0.00	2
4		6.40*	0.00	6.40	0.00	Curb	6.0	6.00	2.00	4.00	2.00	Sag	2.00	0.080	0.050	0.013	0.50	8.72	0.60	8.72	2.00	3
5		6.40*	0.00	6.40	0.00	Curb	6.0	6.00	2.00	4.00	2.00	Sag	2.00	0.080	0.050	0.013	0.50	8.72	0.60	8.72	2.00	4

sws6_RW	Number of lines: 5	Run Date: 04-23-2007
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NOTES: Inlet N-Values = 0.016 ; Intensity = 88.24 / (Inlet time + 15.50) ^ 0.83; Return period = 10 Yrs. ; \* Indicates Known Q added

# Hydraulic Grade Line Computations

Line	Size (in)	Q (cfs)	Downstream								Len (ft)	Upstream								Check		JL coeff (K)	Minor loss (ft)
			Invert elev (ft)	HGL elev (ft)	Depth (ft)	Area (sqft)	Vel (ft/s)	Vel head (ft)	EGL elev (ft)	Sf (%)		Invert elev (ft)	HGL elev (ft)	Depth (ft)	Area (sqft)	Vel (ft/s)	Vel head (ft)	EGL elev (ft)	Sf (%)	Ave Sf (%)	Enrgy loss (ft)		
1	24	18.40	1250.00	1252.00	2.00	3.14	5.86	0.53	1252.53	n/a	196	1251.18	1253.30	2.00	3.14	5.86	0.53	1253.83i	n/a	n/a	0.767	0.50	n/a
2	24	17.25	1251.18	1253.57	2.00	3.14	5.49	0.47	1254.04	0.582	41.0	1251.43	1253.81	2.00	3.14	5.49	0.47	1254.28	0.582	0.582	0.239	0.52	0.24
3	24	16.10	1251.43	1254.11	2.00	3.14	5.13	0.41	1254.52	0.507	141	1252.28	1254.82	2.00	3.14	5.12	0.41	1255.23	0.507	0.507	0.713	1.50	0.61
4	24	12.80	1252.28	1255.59	2.00	3.14	4.08	0.26	1255.85	0.320	185	1253.39	1256.18	2.00	3.14	4.07	0.26	1256.44	0.320	0.320	0.592	0.50	0.13
5	15	6.40	1254.14	1256.31	1.25	1.23	5.22	0.42	1256.73	0.983	41.1	1254.38	1256.71	1.25	1.23	5.22	0.42	1257.13	0.982	0.983	0.403	1.00	0.42

sws6\_RW

Number of lines: 5

Run Date: 04-23-2007

# Storm Sewer Profile

Elev. (ft)

