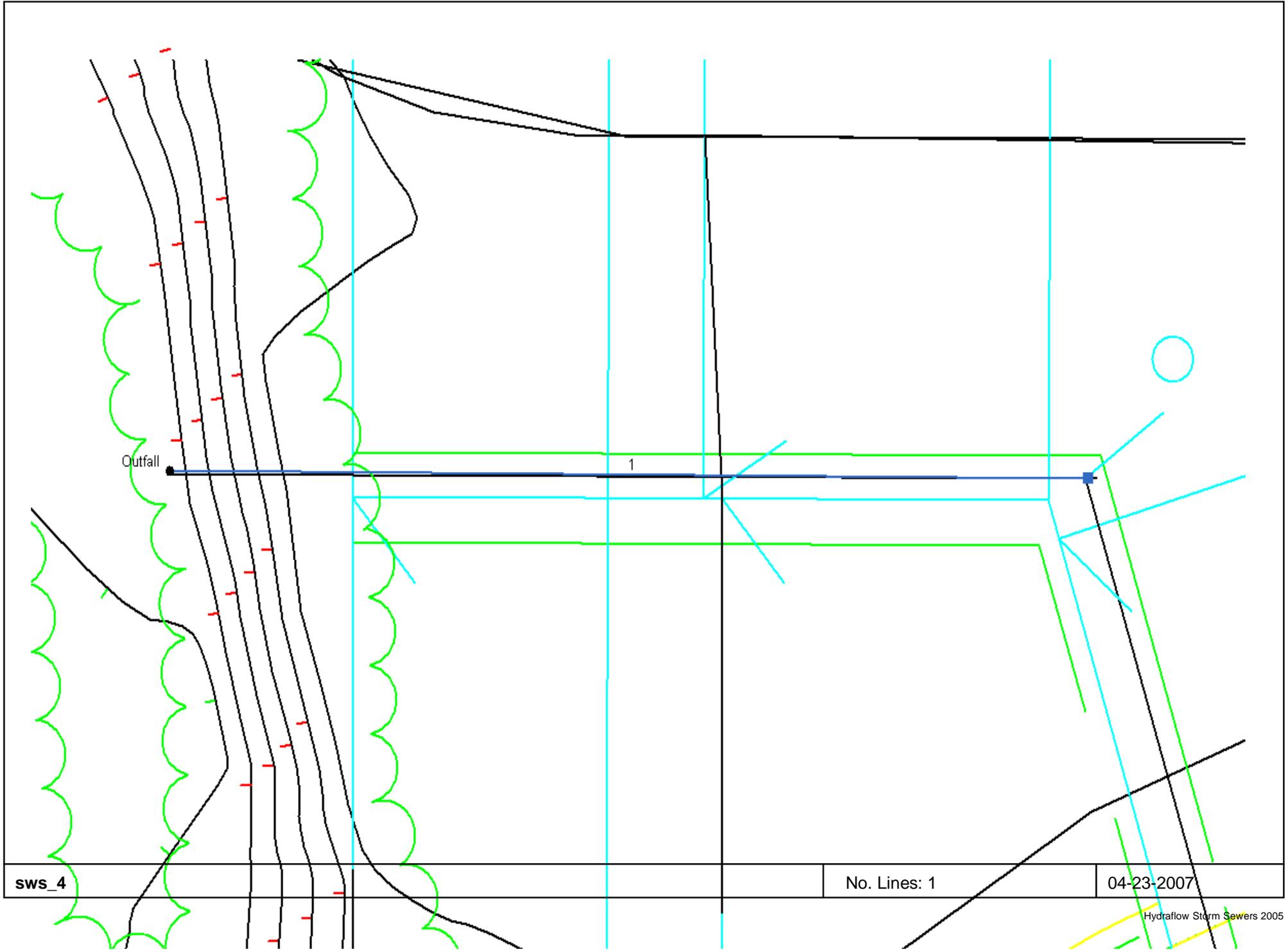


# Hydraflow Plan View



# 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		0.90	15 c	224.1	1250.00	1250.67	0.299	1250.43	1251.10	n/a	1251.12 i	End

sws_4	Number of lines: 1	Run Date: 04-23-2007
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NOTES: c = cir; e = ellip; b = box; Return period = 2 Yrs. ; 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		0.90*	0.00	0.90	0.00	DrGrt	0.0	0.00	8.00	4.00	2.00	Sag	2.00	0.050	0.050	0.000	0.09	5.42	0.09	5.42	0.00	Off
sws_4												Number of lines: 1					Run Date: 04-23-2007					
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 (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	15	0.90	1250.00	1250.43	0.43	0.37	2.41	0.09	1250.52	n/a	224	1250.67	1251.10	0.43	0.37	2.41	0.09	1251.19i	n/a	n/a	0.579	1.00	n/a
sws_4												Number of lines: 1						Run Date: 04-23-2007					

# Storm Sewer Profile

