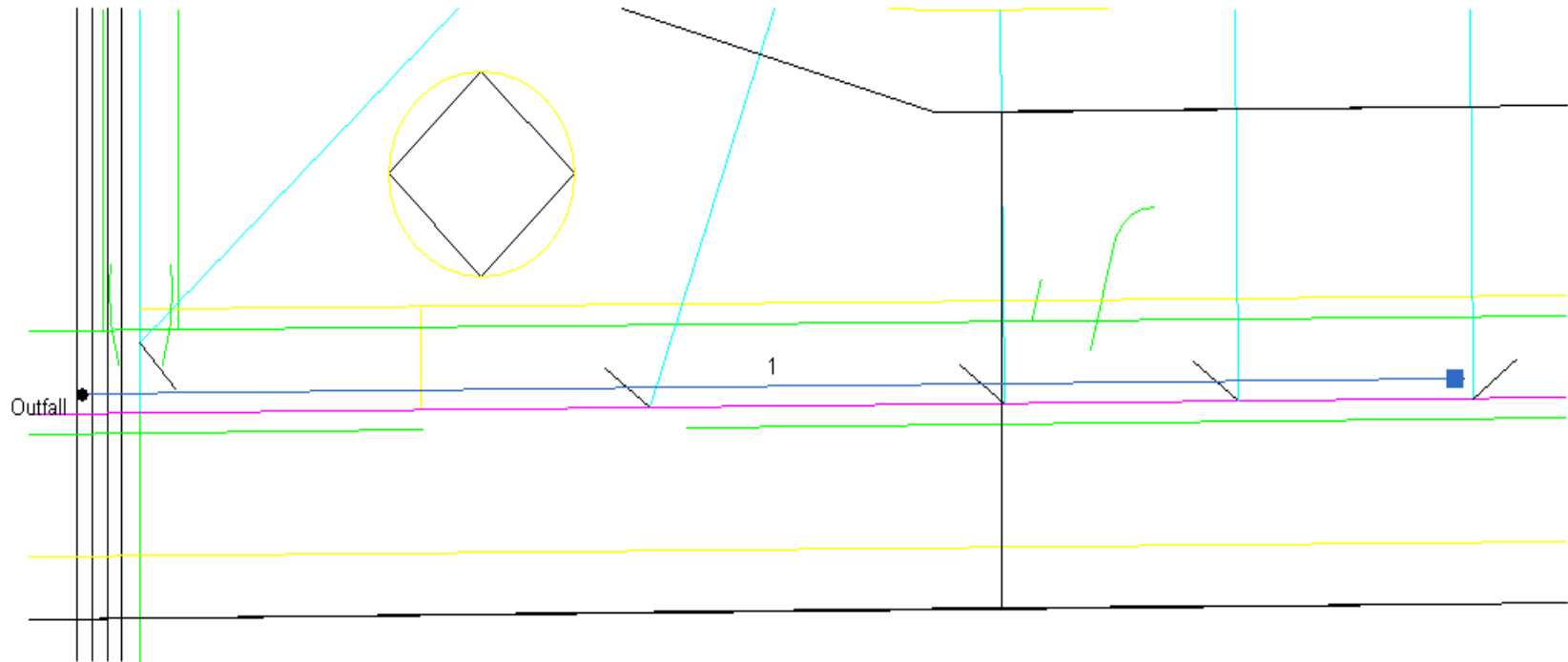


Hydraflow Plan View



SWS3

No. Lines: 1

07-02-2007

Storm Sewer Inventory Report

Line No.	Alignment				Flow Data				Physical Data								Line ID
	Dnstr line No.	Line length (ft)	Defl angle (deg)	Junc type	Known Q (cfs)	Drng area (ac)	Runoff coeff (C)	Inlet time (min)	Invert El Dn (ft)	Line slope (%)	Invert El Up (ft)	Line size (in)	Line type	N value (n)	J-loss coeff (K)	Inlet/ Rim El (ft)	
1	End	369.2	-0.6	DrGrt	0.00	1.40	0.70	15.0	1344.00	0.58	1346.13	15	Cir	0.013	1.00	1348.10	
SWS3												Number of lines: 1				Date: 07-02-2007	

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		3.77	15 c	369.2	1344.00	1346.13	0.578	1345.08	1346.91	n/a	1347.42 i	End
SWS3							Number of lines: 1			Run Date: 07-02-2007		
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		3.77	0.00	3.77	0.00	DrGrt	6.0	6.00	2.50	4.00	2.00	Sag	2.00	0.050	0.050	0.013	0.22	10.88	0.22	10.88	0.00	Off

SWS3	Number of lines: 1	Run Date: 07-02-2007
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NOTES: Inlet N-Values = 0.016 ; Intensity = 76.31 / (Inlet time + 14.30) ^ 0.88; 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	3.77	1344.00	1345.08	1.08	1.13	3.35	0.17	1345.25	n/a	369	1346.13	1346.91	0.78**	0.80	4.70	0.34	1347.25i	n/a	n/a	n/a	1.00	n/a

SWS3

Number of lines: 1

Run Date: 07-02-2007

Notes: ; ** Critical depth.