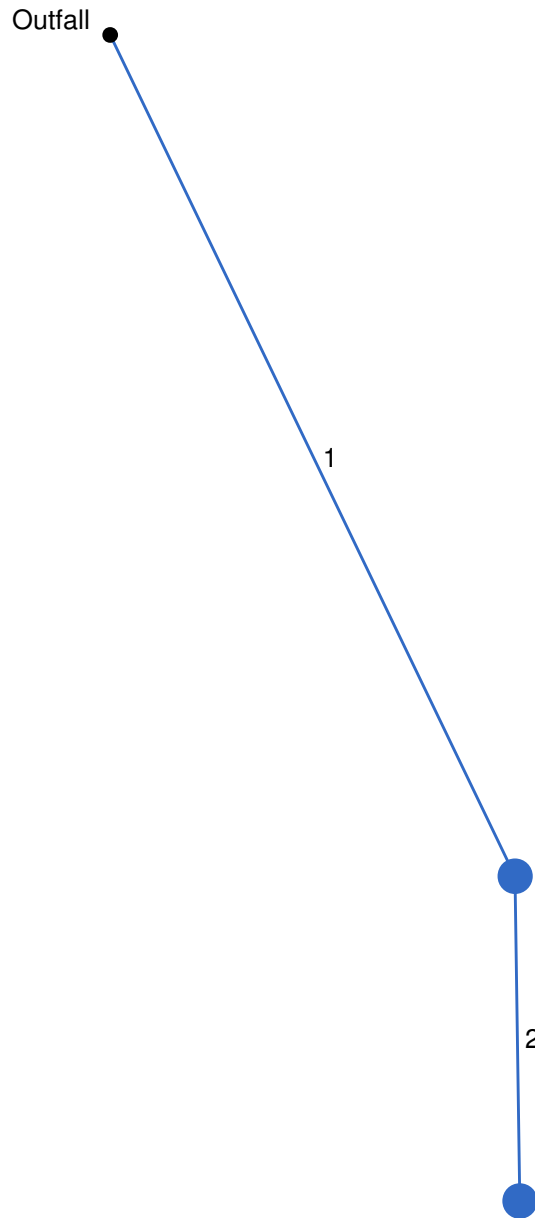


Hydraflow Storm Sewers Extension for AutoCAD® Civil 3D® 2009 Plan



Project File: Existing SWS.stm

Number of lines: 2

Date: 01-11-2011

Storm Sewer Summary Report

Line No.	Line ID	Flow rate (cfs)	Line size (in)	Line shape	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.	Junction Type
1		22.98	18	Cir	115.000	1323.78	1324.69	0.791	1325.28*	1330.79*	1.87	1332.66	End	Curb-Horiz
2		9.68	15	Cir	40.000	1324.94	1325.10	0.400	1334.32*	1335.22*	0.97	1336.19	1	Curb-Horiz

Project File: Existing SWS.stm	Number of lines: 2	Run Date: 01-11-2011
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NOTES: Return period = 100 Yrs. ; *Surcharged (HGL above crown).

Storm Sewer Tabulation

Station		Len (ft)	Drng Area		Rnoff coeff (C)	Area x C		Tc		Rain (l) (in/hr)	Total flow (cfs)	Cap full (cfs)	Vel (ft/s)	Pipe		Invert Elev		HGL Elev		Grnd / Rim Elev		Line ID
Line	To Line		Incr (ac)	Total (ac)		Incr	Total	Inlet (min)	Syst (min)					Size (in)	Slope (%)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	Dn (ft)	Up (ft)	
1	End	115.000	2.50	4.30	0.73	1.83	3.14	15.0	15.2	7.3	22.98	9.34	13.01	18	0.79	1323.78	1324.69	1325.28	1330.79	1326.00	1329.83	
2	1	40.000	1.80	1.80	0.73	1.31	1.31	15.0	15.0	7.4	9.68	4.08	7.89	15	0.40	1324.94	1325.10	1334.32	1335.22	1329.83	1329.83	

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NOTES: Intensity = 62.28 / (Inlet time + 10.10) ^ 0.66; Return period = 100 Yrs. ; c = cir e = ellip b = box