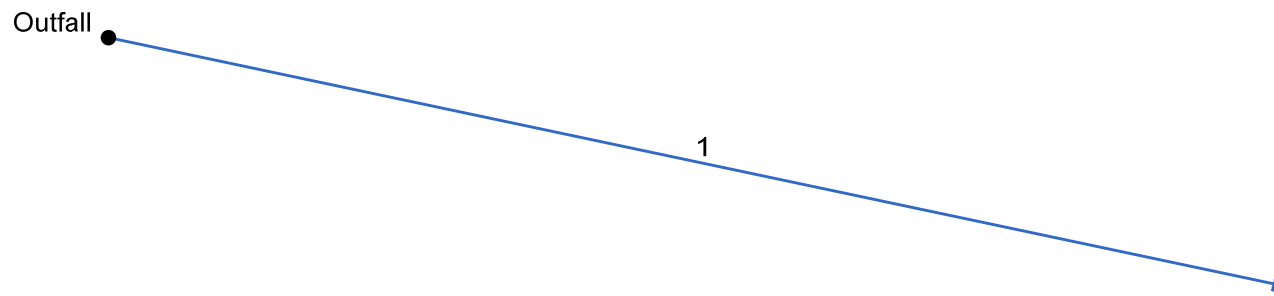


# Hydraflow Storm Sewers Extension for Autodesk® Civil 3D® Plan



# 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	170.000	0.30	0.30	0.90	0.27	0.27	5.0	5.0	7.2	1.96	10.24	2.54	18	3.24	271.50	277.01	272.51	277.54	274.00	284.00	1

Project File: Franco\_P1.stm

Number of lines: 1

Run Date: 8/2/2024

NOTES: Intensity =  $68.33 / (\text{Inlet time} + 12.00)^{0.79}$ ; Return period = Yrs. 10 ; c = cir e = ellip b = box

# 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	18	1.96	271.50	272.51	1.01	0.55	1.54	0.19	272.71	0.000	170.00	277.01	277.54 j	0.53**	0.55	3.53	0.19	277.73	0.000	0.000	n/a	1.00	n/a

Project File: Franco\_P1.stm

Number of lines: 1

Run Date: 8/2/2024

Notes: ; \*\* Critical depth.; j-Line contains hyd. jump ; c = cir e = ellip b = box