

Project:	SSMS 5 Entry Rehab
	6" Aqua Pipe - 280'
Date:	10/14/2020

Manning's Equation for Gravity Flow

$$Q = \frac{1.49}{n} * R^{\frac{2}{3}} * S^{\frac{1}{2}}$$

Manning's Coefficient (n)	0.01
Inside Diameter (in)	6
Radius (in)	3
Area (ft ²)	0.20
Hydraulic Radius (ft.)	0.13
Slope (ft./ft.)	0.0357143
Maximum Flow (cfs)	1.38