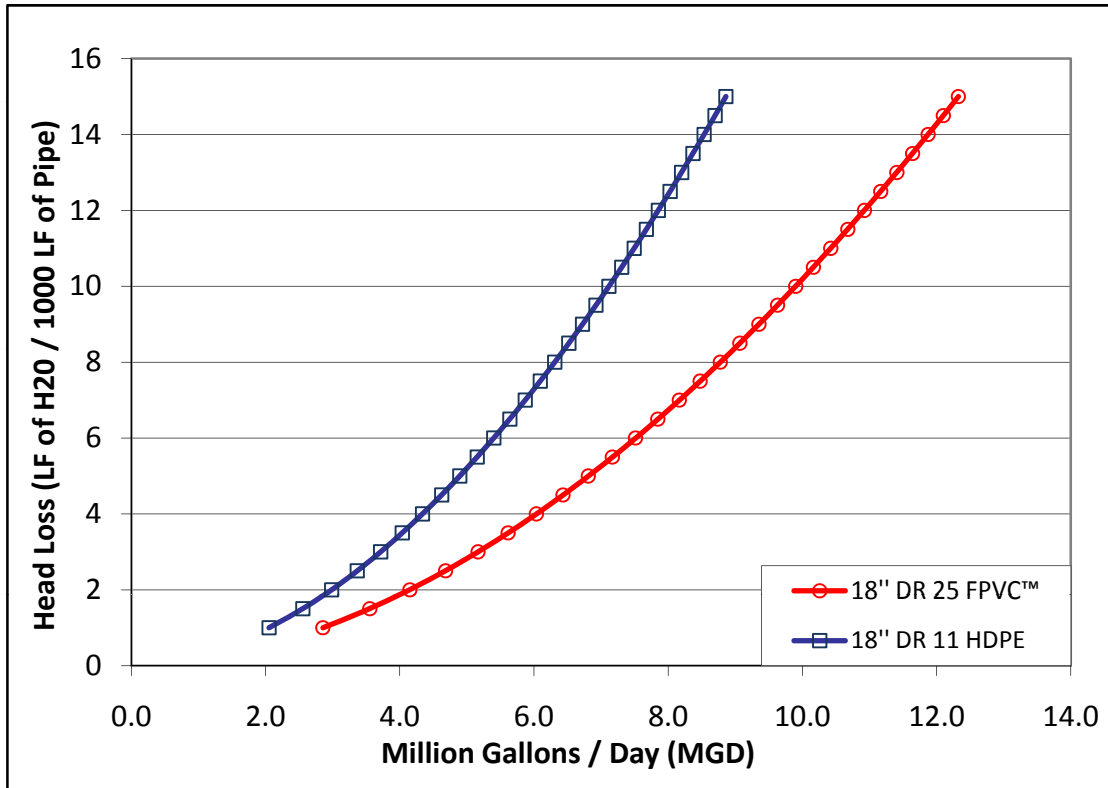


Flow Analysis

The following chart and tables were created using the Hazen-Williams formulas for the flow of water in plastic pressure pipes. A flow coefficient (C) of 150 was used for all calculations.



The table below shows the head loss, pressure change, and fluid velocity for a given flow rate in million gallons per day (MGD).

	18" DR 25 FPVC™			18" DR 11 HDPE		
	Head Loss (LF H ₂ O / 1000 LF)	Pressure Change (PSIG)	Velocity (LF/s)	Head Loss (LF H ₂ O / 1000 LF)	Pressure Change (PSIG)	Velocity (LF/s)
2 MGD	0.5	0.2	1.8	1.0	0.4	2.3
4 MGD	1.9	0.8	3.6	3.4	1.5	4.6
6 MGD	4.0	1.7	5.3	7.3	3.2	6.9
8 MGD	6.7	2.9	7.1	12.4	5.4	9.2
10 MGD	10.2	4.4	8.9	18.8	8.1	11.4
12 MGD	14.3	6.2	10.7	26.3	11.4	13.7