

Review Ave. Effluent Force Main Line Sizing

PIPING HEAD LOSS - WATER

CALC BY **CHECK BY**
 TCK BOD

SITE:	Effluent Force Main (TE-2 to Sanitary Sewer Connection)
DATE:	

Length 340 ft
Flow rate 40.0 gpm
ID 2.00 inches (2" ID)
C 150 constant(steel = 100, thermoplastic = 150)
Pipe Area 0.022 ft²

Elev @ Pump C.L.	Elev @ Sewer Connection	Static Head	Piping Friction Head	Bag Filter DP Allownace	LGAC Filter DP Allowance	TDH	TDH w/ 10% FOS	PSI @ 1.0 SG
29.0	21.0	(8.0)	10.6	11.6	11.6	25.7	28.3	25.47

FRICION HEAD	10.6 feet of H2O
	4.6 psi
Velocity	4.1 ft/sec