Pump Design Sheet **For:** S & ME - Chesapeake Point Lot 10 **By:** Daniel McNeil

System Length (linear ft)	400		
# of Taps	5	Manifold Length (in)	36
Manifold Size (in)	4	Flow per Tap (gpm)	7.11
Tap Type (sch 40 or 80)	40	Total Flow (gpm)	35.56
Tap Size (in)	0.5	Friction Loss (ft)	3.78
Tap Length (in)	12	Total Dynamic Head (ft)	25.78
Supply Line Size (in)	2		
Supply Line Length (ft)	110		
Pressure Head (ft)	2		
Elevation Head (ft)	12		
Septic Tank Size (gal)	1000		

When choosing a pump for this system, you will need a pump that can deliver:

35.56 GPM against **25.78** FT of Total Dynamic Head

Dose Volume (gal)	195
Pump Run Time (min)	5.48
Tank Drawdown (in)	9.29