

3/1/2018

6250' LF SDR-11 HDPE ^(15 mins)
(7.48) $\pi (3)^2 h = 2250$
200 gpm 8" $h = 10.6$

I.D. = 6.96

head loss = 10.1 ft (0.16 per 100')

Velocity = 1.69 fps

→ Wet well \Rightarrow 12' depth \times 6' dia

Time to empty $\frac{3}{4}$ of wet well = $(.75)(2250) / 200 \text{ gpm} = 8.43 \text{ min}$

Total head loss 10.1' + 12' (max) = 22.1 Ft

4" \times 4" Mdl T4A3S-B Self Priming Pump

Performance Curve T4A-B-9

5hp electric motor @ 240V 3 ϕ