

$$Q = \frac{1.486}{n} A R^{2/3} S^{1/2}$$

$$R = \frac{A}{P} \quad S = 1\% \text{ - Street Grade} \quad 10\text{-year Design} \quad * \text{ No Curb overtopping.}$$

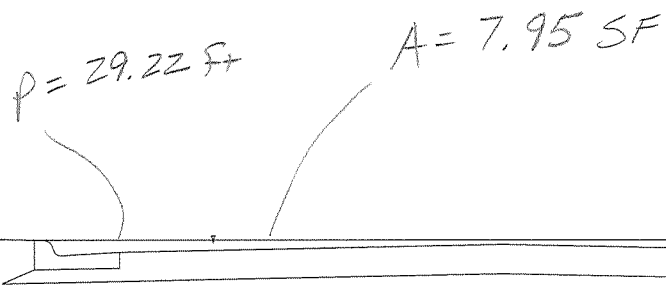
Local

$$n = .013 \Rightarrow .016 \text{ use } .016$$

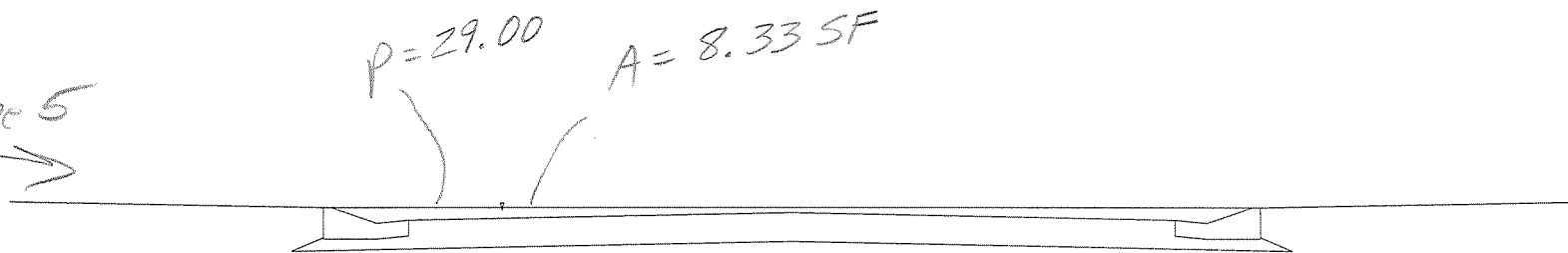
$$Q_{10} = \frac{1.486}{.016} (7.95) \left(\frac{7.95}{29.22} \right)^{2/3} (.01)^{1/2}$$

$$Q_{10} = 31.0 \text{ CFS.}$$

STD Type B



Revised Type S



$$Q_{10} = \frac{1.486}{.016} (8.33) \left(\frac{8.33}{29} \right)^{2/3} (.01)^{1/2}$$

$$Q_{10} = 33.68 \text{ CFS}$$

