

$$A = 22.6 \text{ ft}^2$$

$$W = 19.6$$

$$R = 1.15, R^{2/3} = 1.1$$

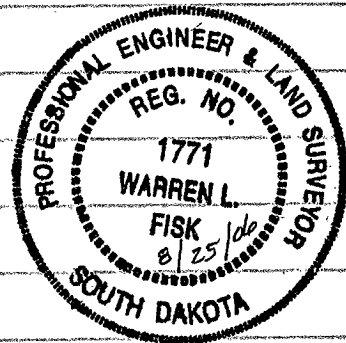
$$S = 0.5/90 = 0.0055, S^{1/2} = 0.074$$

$$n = 0.04 \quad (\text{4" to 6" length grass})$$

$$v = \frac{1.48 \times 1.1 \times 0.074}{0.04} = 3.0 \text{ fps}$$

$$Q = 67.8 \approx 70.6 \text{ cfs.}$$

Ditch for Easement Width
Reduction on Lot B
Eisenbraun Subdivision



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AUG 28 2006

Rapid City Growth
Management Department