



$Q = \frac{1.49}{48.3} \times 2.0^{.848} \times S^{.487}$ (Modified Manning Equation)
 $Q = 7.016 \times 50 \times .23^{.79} \times .02^{.487}$
 $Q = 35 \times 50 \times 0.01985 \times 0.1414$
 $Q = 4.91 \text{ CFS Capacity}$

0.56 = CONSTANT
 N = .016 Conc. Asph
 2 = Reciprocal Trans. Slope (50)
 D = DEPTH In Feet (.23')
 S = Slope Long. (.02%)

THIS DRAWING TO BE USED FOR DRAINAGE AREAS ONLY !!!