



DEMAND Q = 3.19

$d = 0.9'$
 $s = .02\%$
 $a = 1.62'$
 $wp = 4.0$

$V = 1.484 / .05 (1.62 / 4.0)^{3/2} (.02)^{1/2}$
 $= 29.92 (.547) (.1414)$
 $= 2.30 \text{ f.p.s.}$
 $Q = 2.30 (1.62)$
 $= 3.73$

EMERGENCY RELIEF SWALE
 LOT 183 Stillwater Dr.

Light Top 535.98
 Adjust to 537.5

RECEIVED
 OCT 10 1984
 ST. CHARLES COUNTY
 HIGHWAY DEPARTMENT