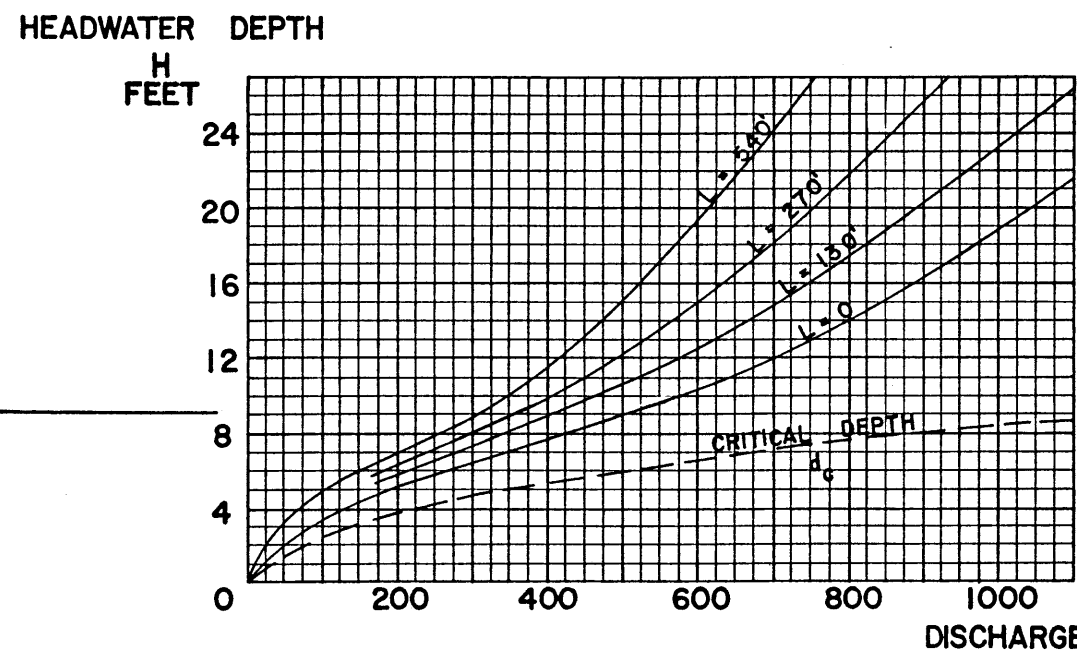
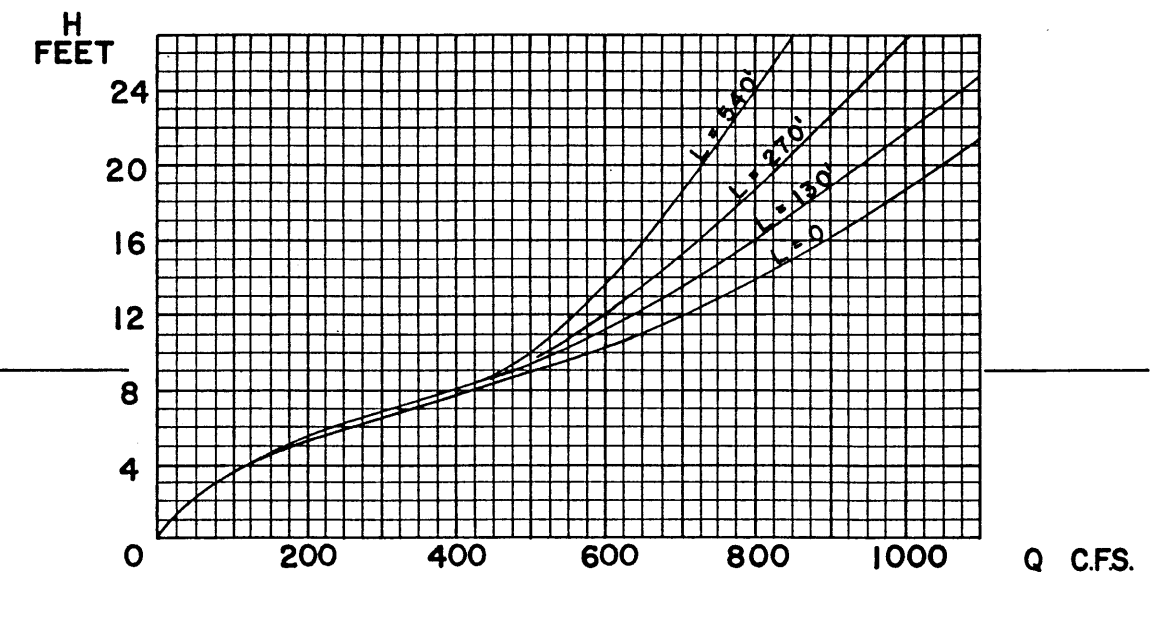


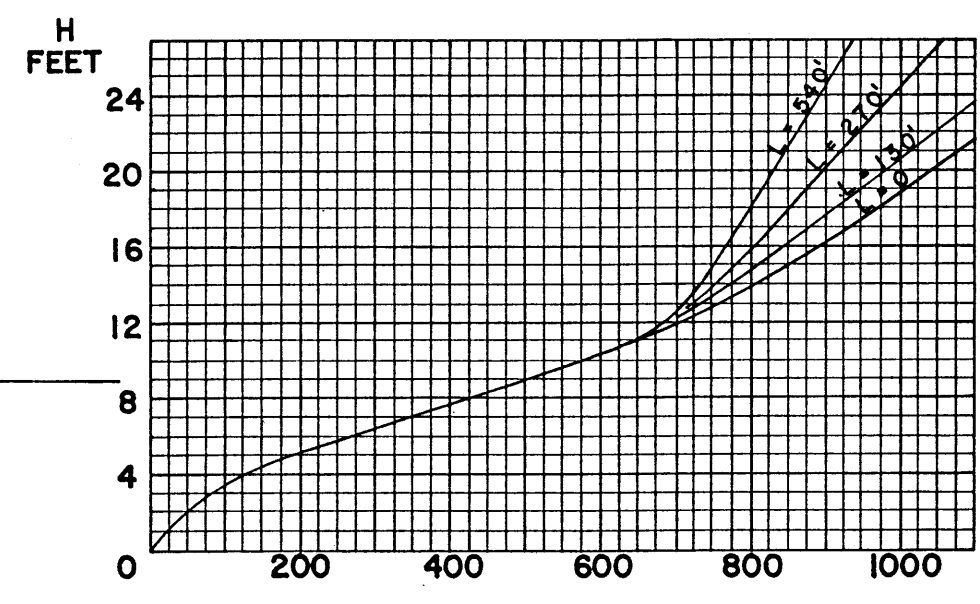
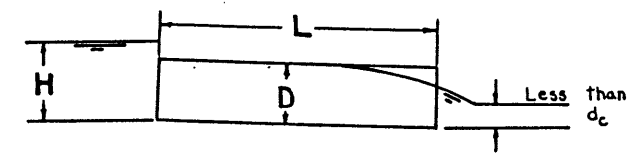
Prepared For Alberta Dept. Of Highways
By Research Council Of Alberta



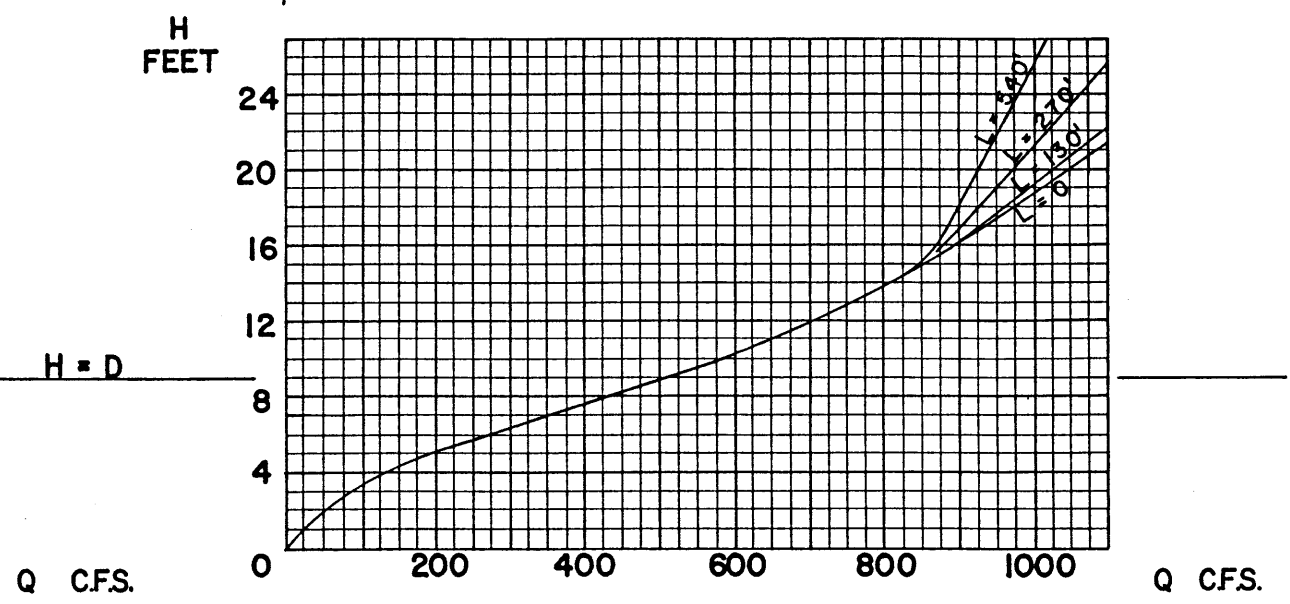
(a) SLOPE 0



(b) SLOPE 1%



(c) SLOPE 2%



(d) SLOPE 3%

DESIGN CHART N° 5 - 108" S.P.C.M. CULVERTS WITH FREE OUTLETS

(BASED ON $n = 0.035$) FOR KEY DIAGRAM SEE CHART N° 1

JULY 1961

