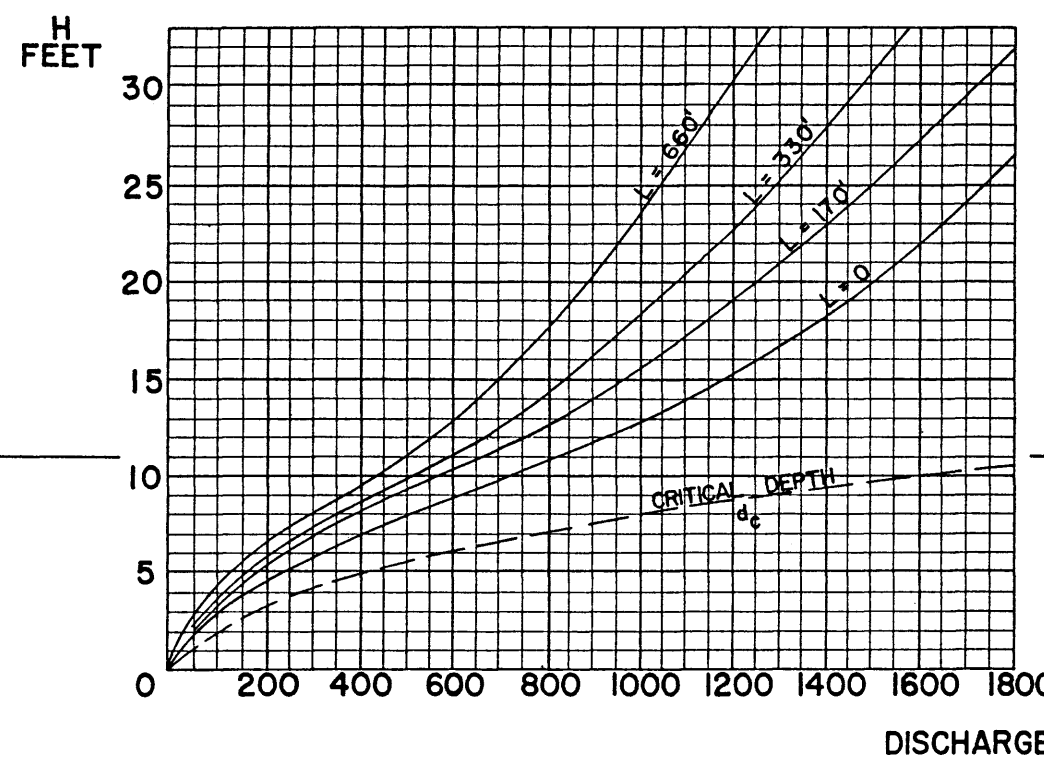
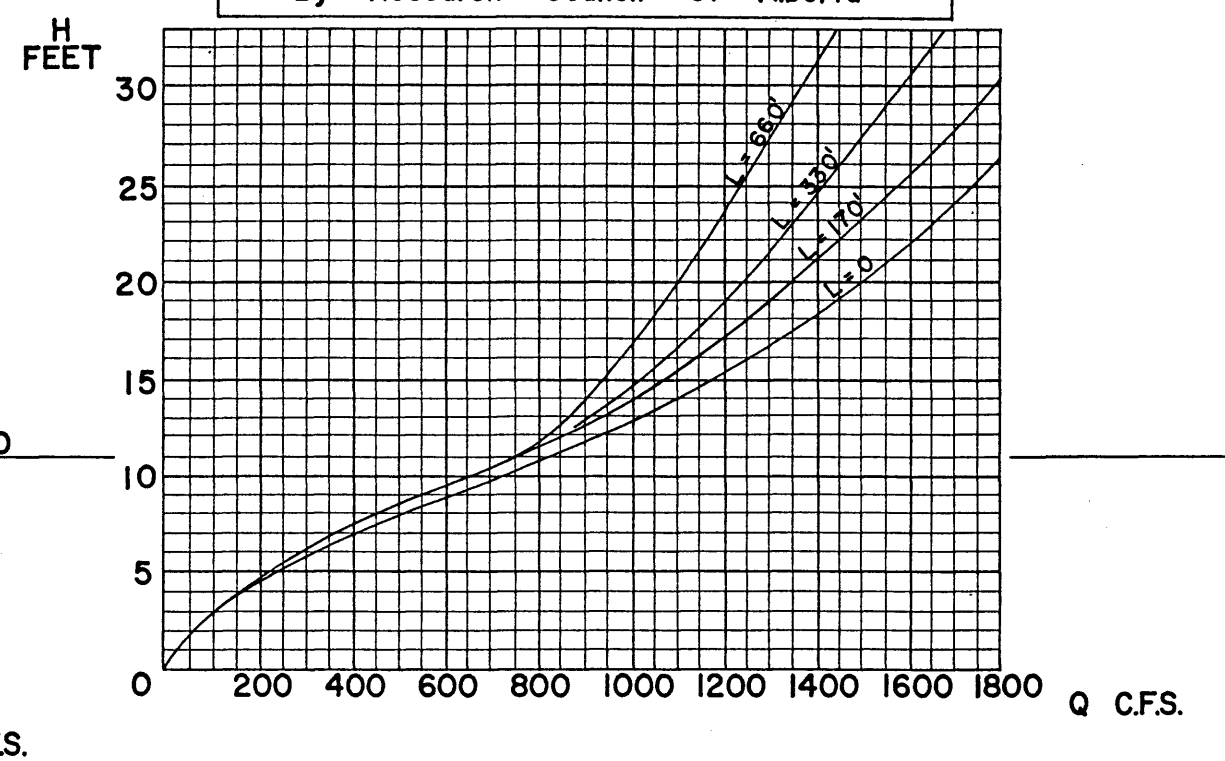


Prepared For Alberta Dept. Of Highways  
By Research Council Of Alberta

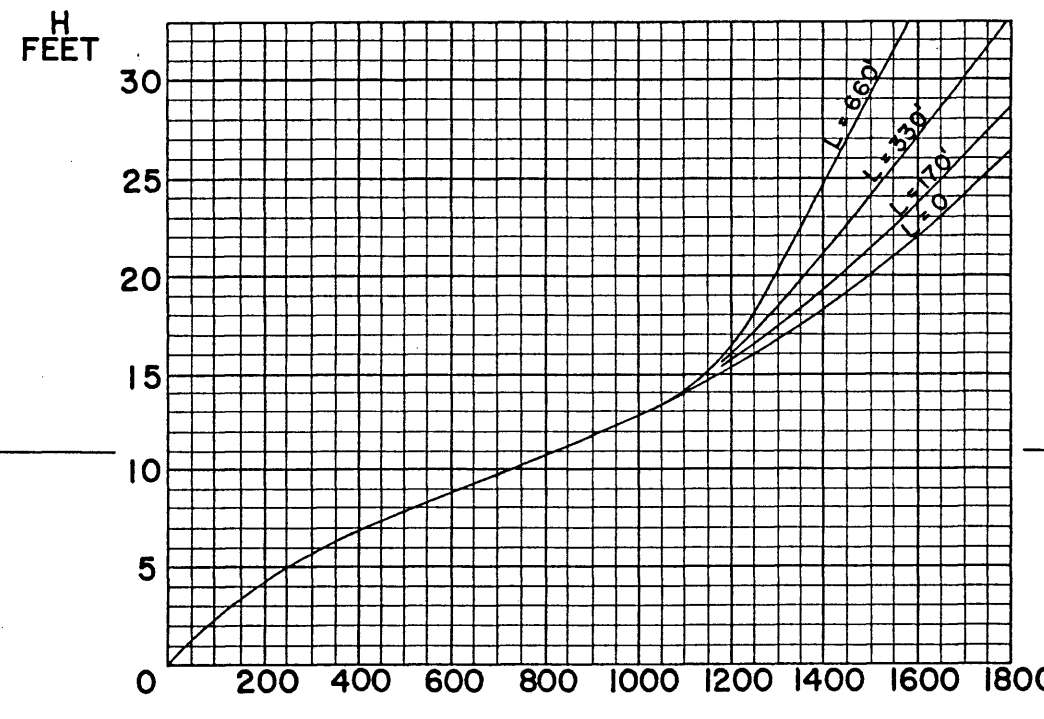
HEADWATER DEPTH



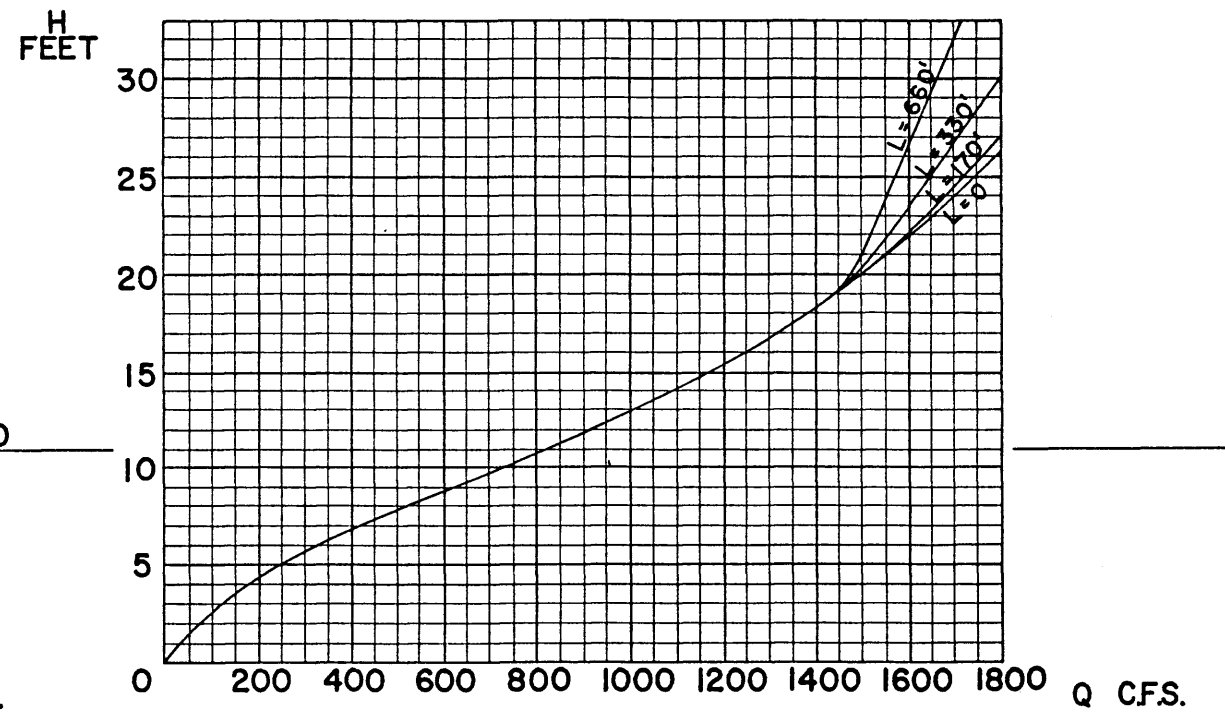
(a) SLOPE 0



(b) SLOPE 1%



(c) SLOPE 2%



(d) SLOPE 3%

DESIGN CHART N° 7 - 132" S.P.C.M. CULVERTS WITH FREE OUTLETS

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

JULY 1961

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