

KESSLER ESTATES

REFER TO M.S. MITCHELL'S HYDROLOGY REPORT ON THE KESSLER PROPERTY.

$Q_{100} = 170$ cfs
 $FE = 1348'$
 $Y_n = 2.1'$

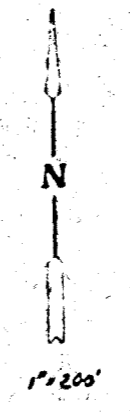
FROM HYDROLOGY REPORT: (Pg. 4)
 PEAK 100YR FLOOD RUNOFF FROM
 SEC 4 & N 1/2 SEC 5 = 97 + 71 cfs
 $\Rightarrow Q_{100} = 170$ cfs

FROM HYDROLOGY REPORT: (Pg. 4)
 PEAK 100YR FLOOD RUNOFF FROM
 TOTAL DRAINAGE AREA
 $\Rightarrow Q_{100} = 200$ cfs

See plan profile for alternate location

DEAD STORAGE ELEV = 1343 ft
 100 YR FLOOD STORAGE ELEV = 1348.6 ft

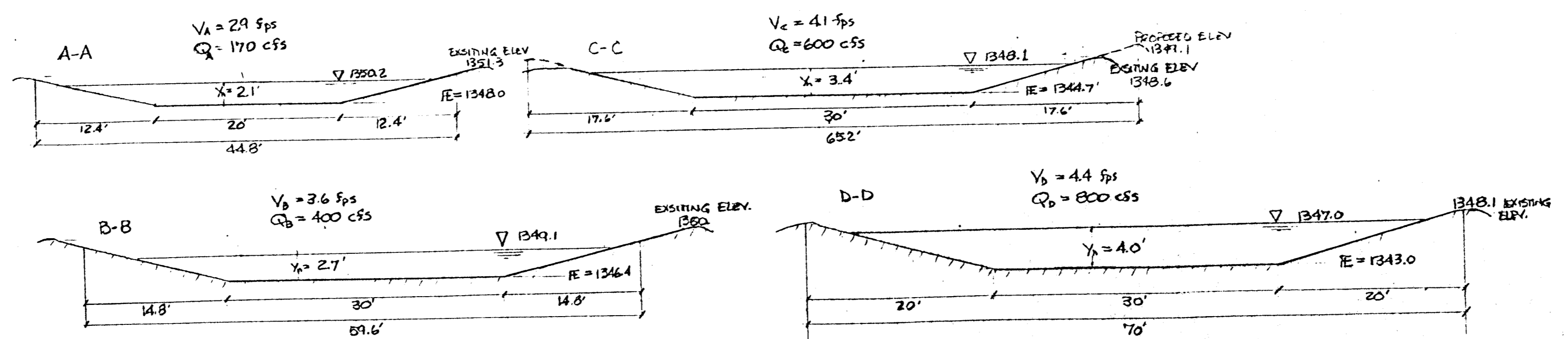
$Q_{100} = 284$ cfs



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CHANNEL X-SECTIONS:

$S_{avg} = 0.263\%$ (CHANNEL = 100 ft)
 $n = 0.035$ (NATURAL CHANNEL)
 $m = 4:1$ (SIDE SLOPES)



NOTE: RIGHT C-C WILL BECOME ONE FEET DEEPER TO HAVE 1 FOOT FREEBOARD.