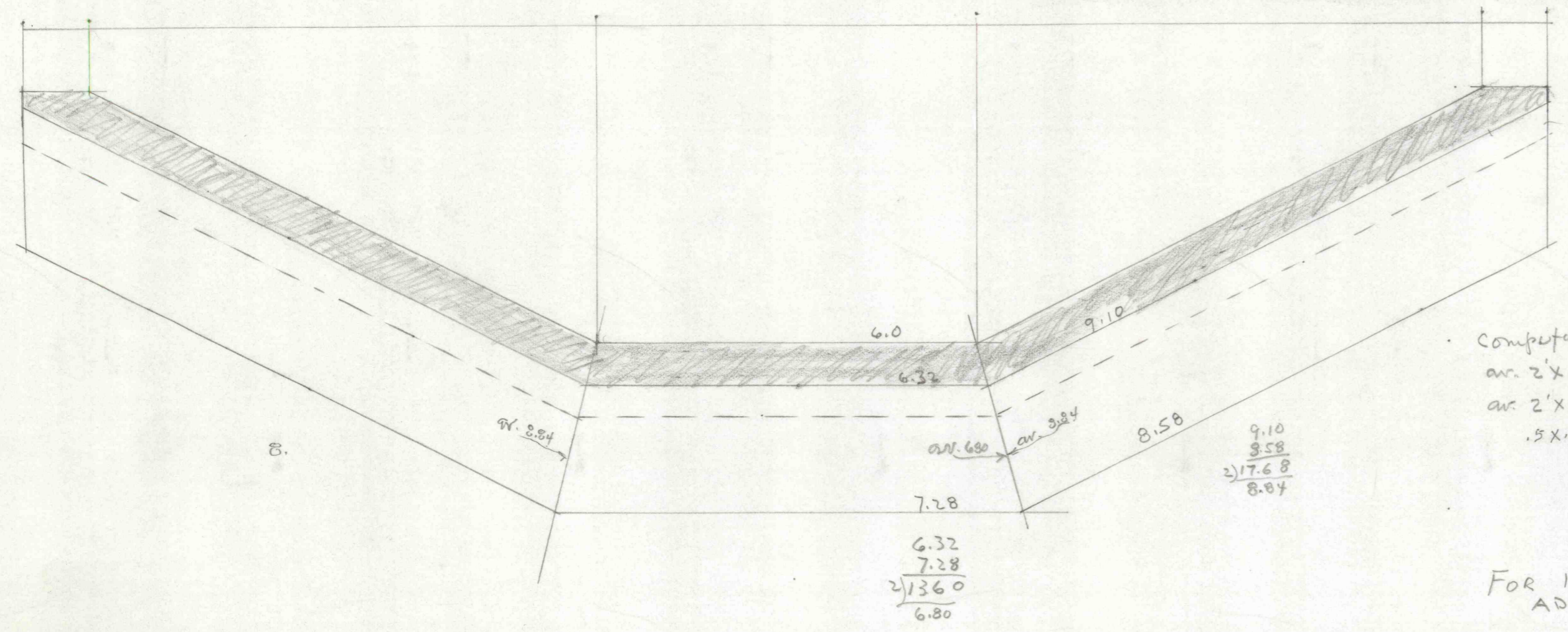


Calc.
 ① $2 \times .79 \times .5(.79 + .27) = .83740$ CF
 ② $2 \times .666 \times \text{av. } 9.02 = 12.01464$
 $4 = 10.256$
 ③ $.666 \times \text{av. } 6.16 = 4.10256$
 16.95460 CF
 per L.F. of Trough
 ADD FOR 6' to 14'-0" width 2.6664
 7 av. $.666 \times 4' = 19.62100$



cut off wall
 6"

For 6'-0" Bottom width

Computations
 av. $2' \times 1' \times 6.80 = 13.60$
 av. $2' \times 1' \times 8.84 \times 2 = 35.36$
 $.5 \times .5 \times .5 \times 9.10$
 $+ 6.32$
 $+ 9.10$
 } = 3.065
52.025

For 14'-0" width
 ADD $2' \times 1' \times 8' = 16.0$
 $0.125 \times 8' = 1.0$
 17.0
 52.05
 For 14'-0" Bottom 69.05

TOTALS $689' \times 16.95460 = 11681.72$
 $20' \times 19.6210 = 392.42$
 Transition 45' = 1013.71
 2 cut walls 6' width @ 52.025 = 104.05
 1 " " 14' " 69.05
 27 $\int \frac{13260.95}{491.14^+}$
 TOTAL

REVISIONS		
NO.	DATE	BY
1		
2		
3		
4		
5		

DRAWN BY	SCALE	MATERIAL
CHK'D	DATE	DRAWING NO.
TRACED	APP'D	