

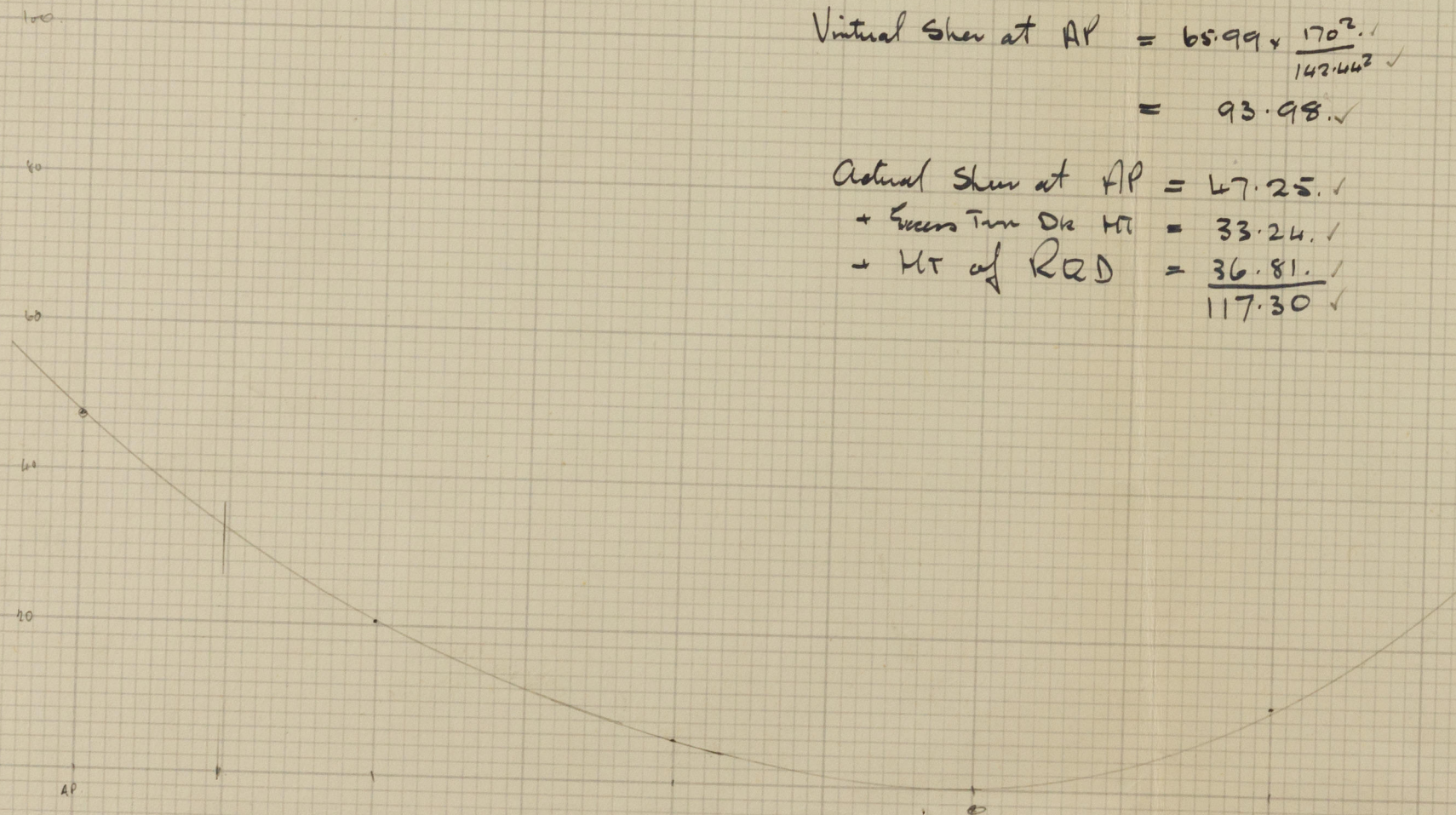
SOLVING

Virtual Shear aft

$$\begin{aligned}\text{Actual Shear at RQD} &= 32.75 \checkmark \\ + \text{Excess Turn Dk MT} &= \underline{33.24 \checkmark} \\ &= 65.99 \checkmark\end{aligned}$$

$$\begin{aligned}\text{Virtual Shear at AP} &= 65.99 \times \frac{170^2}{142.44^2} \checkmark \\ &= 93.98 \checkmark\end{aligned}$$

$$\begin{aligned}\text{Actual Shear at AP} &= 47.25 \checkmark \\ + \text{Excess Turn Dk MT} &= 33.24 \checkmark \\ + \text{MT of RQD} &= \underline{36.81 \checkmark} \\ &= 117.30 \checkmark\end{aligned}$$



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