

## Workflow 7: Subexcavation Data Input

1. Select the "Subexcavation" worksheet. Subexcavation quantities may be calculated either by GEOPAK or by the user. Summary table, input the appropriate station range.
2. If GEOPAK calculated the subexcavation quantities, complete the following steps:
  - a. Input the "XSData" worksheet row number of the subexcavation beginning and ending stations in the yellow columns (Columns A and B).
  - b. Input the subexcavation volumes that are either available for fill or unavailable for fill.
  - c. Select the "XSData" worksheet tab. Copy the quantities of subexcavation material unavailable for fill (Column "J") to the corresponding mainline station in Column "J" in the XSData worksheet.

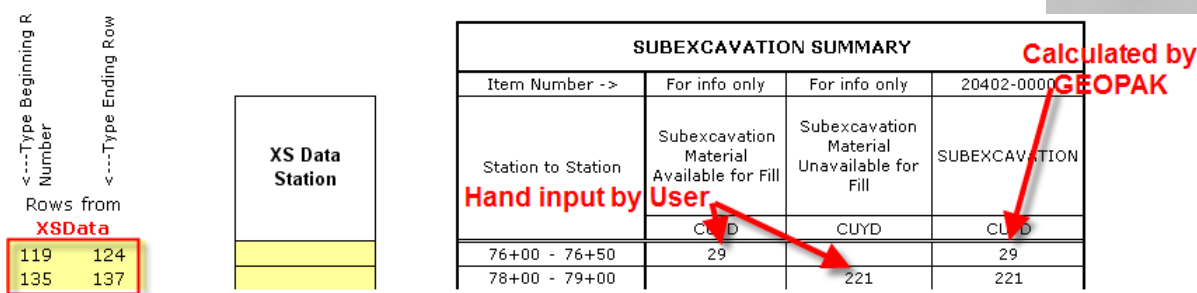


Fig. 12-18: Subexcavation Quantities Calculated By GEOPAK

3. If the subexcavation quantities were calculated by hand, complete the following steps:
  - a. Input the mainline station nearest to the subexcavation into Column "D". This should be the same as the station used in the "XSData" worksheet.
  - b. Input the subexcavation volumes that are either available for fill or unavailable for fill.
  - c. Input the total volume of subexcavation for each station range into Column "K".
  - d. Select the "XSData" worksheet tab. Copy the total volume of subexcavation (Column "K") into Column "G" in the XSData worksheet. Copy the Subexcavation material Unavailable for Fill (Column "J") into Column "J" of the XSData worksheet. Overwrite the formulas used in the XSData worksheet for the subexcavation quantities calculated by hand.

SUBEXCAVATION SUMMARY			
Item Number ->	For info only	For info only	20402-0000
Station to Station	Subexcavation Material Available for Fill	Subexcavation Material Unavailable for Fill	SUBEXCAVATION
	CUYD	CUYD	CUYD
100+00 - 100+50		1,000	1,000

XS Data Station
100+00

**Hand input by user**

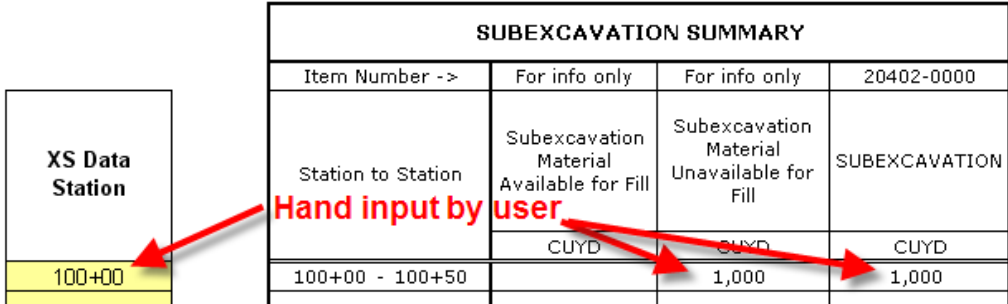


Fig. 12-19: Subexcavation Quantities Calculated By Hand