



UNSUITABLE MATERIAL ALLOWANCES

RECOMMENDATION:

The specifications should provide for the handling of unsuitable soil and unit prices to govern when it is anticipated that unsuitable soil will be encountered.

The following are suggested specification paragraphs and unit price schedules to accomplish the task.

1. QUANTITY OF UNSUITABLE MATERIAL: The following quantity of undercut and removal of unsuitable material shall be included in the Base Bid and considered as part of the Contract as follows:
 - A. _____ cubic yards - general earth excavation, machine.
 - B. _____ cubic yards - trench earth excavation, hand.

The unit prices quoted on the Bid Form shall apply for adding to the above quantity in accordance with the method used. The unit prices quoted on the Bid Form shall also apply for deducting from the above quantity.

- 1) QUANTITY OF BACKFILL: The following quantity of backfill shall be included in the Base Bid and considered a part of the Contract as follows:
 - A. Earth Backfill, machine _____ cubic yards.
 - B. Earth Backfill, hand _____ cubic yards.



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A. UNIT PRICES: Should the undersigned be required to perform work over and above that required by Contract Documents or be ordered to omit work required by Contract Documents. The price adjustments will be based on unit prices quoted herein, (prices quoted being sum total compensation payable or creditable for such items IN PLACE).

<u>Material</u>	<u>Unit</u>	<u>Price - Add</u>	<u>Price Deduct</u>
General Earth Excavation, Machine	Ea. Cu. Yd.	\$_____	\$_____
Trench Excavation, Hand	Ea. Cu. Yd.	\$_____	\$_____
Earth Backfill, Machine	Ea. Cu. Yd.	\$_____	\$_____
Earth Backfill, Hand	Ea. Cu. Yd.	\$_____	\$_____

COMMENTS:

- A. It is strongly recommended that unit prices be included whether we think there is suitable soil or materials or not.
- B. Earth excavation cubic yard quantities, for all categories, shall be based on the volume of the excavated area and not the volume of the earth moved.
- C. Earth backfill cubic yard quantities, for all categories, shall be considered as compacted in place quantities based on the volume of the area to be filled.
- D. State whether or not unsuitable soil, as determined by the independent geotechnical laboratory in the field, shall be disposed of on or off the property. Also, state whether or not suitable fill material is available on-site or off-site. Adjust unit prices to fit the situation.

<p>This recommendation, while not mandatory, is the diligent work of a committee which is drawn from a cross section of the construction industry represented by architects and general contractors. The committee presents this recommendation with the expectation that it will be adhered to voluntarily.</p>
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- E. It may be necessary to further define unit prices to allow for the work to be done using various types of equipment which would alter production accomplished.

- F. If a large volume of unsuitable soil may be encountered, consider using quantity-defined unit prices (example: "0-100 cy"; "100-500 cy"; and "over 500 cy".) in order that large quantities may be accomplished with small unit prices.

- G. Compaction of backfill should meet standards prescribed in these specifications.

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