



JCR-48

Unsuitable Material Allowances

April 1988

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Recommendations:

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

The following is a suggested specification paragraph and unit price schedule to accomplish the task.

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.

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

Unit Prices: Should the undersigned be required to perform work over and above that required by Contract Documents or should he be ordered to omit work required by Contract Documents, he will be paid extra or he shall credit the owner, as the case may be, on basis of unit prices quoted herein, prices quoted being sum total compensation payable or creditable for such items IN PLACE.

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

Comments:

- A. 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 removed.
- B. 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.
- C. 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. State also whether or not suitable fill material is available on-site or off-site. Adjust unit prices to fit the situation.
- D. It may be necessary to further define the unit prices to allow for the work to be done using various types of equipment which would alter production accomplished.
- E. 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 smaller unit prices.
- F. Compaction of backfill should meet standards prescribed in these specifications.

End of JCR-48

This recommendation is the result of considerable discussion and deliberation by the Architect and General Contractor members of the Joint Cooperative Committee of AIA North Carolina and the Carolinas AGC. While its provisions are not binding on individual Architects or General Contractors, the committee believes that adherence to the recommendations will benefit the Owner and the Construction Industry in general.