

ITEM 943

UNTREATED SUBGRADE

943.1 Description

When the earth work has been substantially complete and after all storm sewer and drains are laid, then the subgrade shall be brought to the lines, grades and typical cross section shown on the plans and in accordance with these specifications.

943.2 Materials

The material shall consist of the remaining existing natural materials which are suitable for preparation of a subgrade capable of providing proper support for the proposed base and pavement.

943.3 Equipment

The machinery, tools, and equipment necessary for proper prosecution of the work shall be on the project and approved by the Engineer prior to the beginning of construction operations.

All machinery, tools and equipment used shall be maintained in a satisfactory and workmanlike manner.

943.4 Construction Methods

After excavation is complete and all organic matter has been removed, the subgrade will be brought to lines, grades and typical cross section shown on the plans and in accordance with these specifications. Under the direction of the Engineer or his designated representative, the subgrade will then be proof rolled with suitable equipment to determine if there are any unsuitable natural materials in the subgrade. If unsuitable natural materials are found; the areas are to be excavated to a depth deemed sufficient by the Engineer. The excavated materials shall be disposed of off the job site at the expense of the Contractor. The excavation shall be paid for as specified under Excavation. The excavated areas of unsuitable material shall be filled to its original level with suitable materials from the onsite excavation or if no materials from the site excavation are suitable, then 1.5 sack per ton cement stabilized sand shall be substituted to fill the excavated area. Either material shall be compacted to 95 percent standard proctor density. After all unsuitable materials have been removed and replaced the subgrade shall be fine graded to the lines, grades and typical cross section shown on the plans and in accordance with these specifications. The subgrade shall then be compacted to 95 percent standard proctor density in preparation of applying the proposed base material.

943.5 Measurement

The manipulation and compaction of the subgrade shall be measured by the square yard. The excavation of unsuitable material shall be measured by the cubic yard as per excavation. Cement stabilized sand used as a substitute for the natural excavated soils will be measured by the ton as per 6" Cement Stabilized Base. Use of existing natural soil for fill material will not be measured.

943.6 Payment

Subgrade preparation and compaction will be paid at the unit price bid per square yard. The unit price bid shall be full compensation for all correction of secondary subgrade, for loosening, mixing, pulverizing, spreading, drying, shaping and maintaining, for all manipulations required, for all hauling and freight involved, for all tools, equipment, labor, and for all incidentals necessary to complete the work. Excavation of unsuitable materials will be paid for at the unit price per cubic yard under excavation. Cement Stabilized sand used as a substitute for natural soil will be paid for at the unit price bid per ton under Cement Stabilized Base.

END OF ITEM 943