

ITEM 05203.1210 M - EXCAVATION, REMOVAL, TREATMENT AND DISPOSAL OF PETROLEUM CONTAMINATED SOIL AND WATER

DESCRIPTION:

This work shall consist of excavating and removing petroleum contaminated soil and water at the locations shown in the plans, treating and disposing of them in accordance with the specifications and as ordered by the Engineer.

MATERIALS:

None specified.

CONSTRUCTION DETAILS:

The excavation, removal, transportation, treatment and disposal of petroleum contaminated soil and water shall be done in accordance with all applicable Federal, State, County and local regulations. Contaminated soil and water may be encountered in areas of visibly stained surface soils, or in subsurface soils around leaking underground storage tanks, as specified in the plans. The location and approximate quantity of contaminated soil and water are shown in the plans. Prior to beginning the work, the Contractor shall, in writing, contact the D.E.C. as well as the Engineer-in-Charge and provide both offices with the scheduled dates for removal of all contaminated materials and their locations.

Surface and Subsurface Soils. Soil which is identified in the plans as being contaminated shall be excavated, treated and disposed of. The Contractor shall also excavate, treat and dispose of any additional soil, identified as being contaminated, as directed by the Engineer.

Excavated contaminated soil shall be staged on 0.15 mm plastic sheeting and shall also be covered with 0.15 mm plastic sheeting. The Contractor shall also implement all other actions required to prevent the migration of contaminants from the excavated and staged soil.

The excavated contaminated soil shall be stockpiled, sampled and tested as necessary to obtain information necessary for the proper treatment of contaminated soil. The Engineer maintains the right of approval for the final disposal site for all treated soil material. Documentation shall be submitted to the Engineer that all contaminated water has been disposed of properly.

All necessary testing of contaminated soil and water shall be performed by a certified laboratory approved by The New York State Department of Health.

After initial testing, the Contractor shall submit a proposed method of treatment of petroleum contaminated soil to the Engineer for approval. There are several methods of on-site treatment. Typical among these are soil venting, bioremediation, soil washing

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and low temperature thermal stripping (incineration). These or other approved methods may be used, as appropriate. The Contractor's attention is directed to the NYSDEC draft document entitled Proposed New York State Petroleum Contaminated Soil Guidance for methods of testing, treatment and disposal requirements.

All Contractor work operations shall be in accordance with all applicable Federal, State, County and local Health and Safety Regulations.

METHOD OF MEASUREMENT:

The quantity of work will be measured by the number of cubic meters of petroleum contaminated soil and water excavated, removed, treated and properly disposed of. The requirements of Subsection 203-4 or 206-4 shall apply.

BASIS OF PAYMENT:

The unit price bid per cubic meter of petroleum contaminated soil and water shall include the cost of all labor, materials, and equipment necessary to complete the work, including the costs of excavating, stockpiling, sampling, testing and all required treating, trucking and disposal.

DISAPPROVED BY E1 07034