

**PROJECT SPECIAL PROVISIONS
GEOENVIRONMENTAL**

CONTAMINATED SOIL AND GROUNDWATER (3-5-2012)

The Contractor's attention is directed to the fact that soil and groundwater contaminated with petroleum hydrocarbon compounds and volatile organic compounds exist within the project area. Soil samples collected from Parcel #04 W.O. Humphreys Property, Parcel #07 Linda S. Carver Property, Parcel #09 Jai Uck Kim Property, Parcel #11 King NEB Property, Parcel 17 (Former Clifton Wayne Henderson), Parcel #48 Bonnie Ray Lundsford Property and Parcel 49 Fielding Harris Property indicated petroleum contaminated soils are present in the right of way. The NCDENR UST Section documents groundwater incidents have occurred on Parcel #04 W.O. Humphreys Property, Parcel #07 Linda S. Carver Property, Parcel #09 Jai Uck Kim Property and Parcel #11 King NEB Property. Monitoring wells are located on these parcels and petroleum contaminated soils and/or volatile organic compounds may be present in the right of way.

The known areas of contamination are indicated on corresponding plans sheets. Information relating to these contaminated areas, sample locations, and laboratory reports are available at the following web address by navigating to the correct letting year and month then selecting, "Plans and Proposals", "Person R-2241A C202960", "GeoEnvironmental":

<http://dotw-xfer01.dot.state.nc.us/dsplan/>

Impact to contaminated soil is possible during any earthwork activities on the project. The Contractor shall only excavate those soils which the Engineer designates necessary to complete a particular task. The Engineer shall determine if soil is contaminated based on petroleum odors and unusual soil staining. Contaminated soil not required to be excavated is to remain in place and undisturbed. Undisturbed soil shall remain in place, whether contaminated or not. The Contractor shall transport all contaminated soil excavated from the project to an approved disposal facility licensed to accept contaminated soil. In the event that the Contractor needs to stockpile the soil temporarily, the stockpile shall be created within the property boundaries of the source material and in accordance with the Stockpile Detail found in the plans. If the volume of contaminated material exceeds available space on site, the Contractor shall obtain a permit from the NCDENR UST Section Raleigh Regional Office for off-site temporary storage. The Contractor shall provide disposal manifests and weigh tickets to the Engineer for review and approval. The Engineer will in turn provide the GeoEnvironmental Section with a copy of the disposal manifests and weigh tickets for their records.

If groundwater is encountered and dewatering is required in areas of known contamination then the contractor shall containerize the groundwater in vessels provided by the Department. The Department will be responsible for the sampling and disposal of the water.

Measurement and Payment:

The quantity of contaminated soil excavated, hauled, and disposed of shall be the actual number of metric tons of material, which has been acceptably excavated, transported and weighed with

certified scales as documented by disposal manifests and weigh tickets. The quantity of excavated contaminated soil, measured as provided above, shall be paid for at the contract unit price per metric ton for "Excavation, Hauling, and Disposal of Contaminated Soil".

The above price and payment shall be full compensation for all work covered by this section, including, but not limited to, excavation, loading, transportation, weighing, laboratory testing, disposal, equipment, decontamination of equipment, labor, and personal protective equipment. Stockpiling the contaminated soil will be at the Contractors discretion and will be incidental to the project.

Payment shall be made under:

Pay Item	Pay Unit
Excavation, Hauling, and Disposal of Contaminated Soil	Metric Ton

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3/5/2012

