



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

J. ERIC BOYETTE
SECRETARY

June 10, 2022

MEMORANDUM TO: Lisa B Gilchrist, EI
Bridge Program Manager
NCDOT – Division 5

FROM: Ashley B Cox, Jr, LG
GeoEnvironmental Project Manager
GeoEnvironmental Section
Geotechnical Engineering Unit

TIP NO: B-4654
WBS: 38454.1.2
COUNTY: WAKE
DIVISION 5
DESCRIPTION: Replace Bridge 69 over US 70 on NC 50 (Benson Road)

SUBJECT: **GeoEnvironmental Phase I Report**

DocuSigned by:

Ashley B Cox, Jr

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The GeoEnvironmental Section of the Geotechnical Engineering Unit performed a Phase I field investigation on June 10, 2022 for the above referenced project to identify geoenvironmental sites of concern. The purpose of this report is to document sites of concern within the project study area that are or may be contaminated. These sites of concern should be included in the environmental planning document in an effort to assist the project stakeholders in reducing or avoiding impacts to these sites. Sites of concern may include, but are not limited to, underground storage tank (UST) sites, dry cleaning facilities, hazardous waste sites, regulated landfills and unregulated dumpsites.

Findings

Two (2) sites of concern were identified within the proposed study area. We anticipate low monetary and scheduling impacts resulting from these sites. See the following table and figure for details.

Please note that discovery of additional sites not recorded by regulatory agencies and not reasonably discernible during the project reconnaissance may occur. The GeoEnvironmental Section should be notified immediately after discovery of such sites so their potential impact(s) may be assessed.

Sites of concern identified in this report should be reviewed by the GeoEnvironmental Section once the Final Right of Way plans are complete to determine if Phase II Investigations and Right of Way Recommendations are necessary prior to right of way being acquired.

If there are questions regarding the geoenvironmental issues, please contact me, at (919) 707-6872.

cc:

John Pilipchuk, LG, PE, State Geotechnical Engineer

Brian Hanks, PE, State Structures Engineer

Brent Hall, Locations and Surveys

Byron Sanders, Jr, PE, State Utilities Manager

Mark Craig, PE, Division Construction Engineer

Brian C Rogers, Division Right of Way Agent

David Hering, LG, PE, Geotechnical Regional Manager

Neil Roberson, LG, Regional Geological Engineer

Lois Little, Assistant State Negotiator – East

Chris Murray, SPWS – Planning & Environmental Project Engineer

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(01) Property Name:

Hudson's Hardware
303 Benson Road
Garner, NC 27529

Property Owner:

L & H Rentals LLC
1403 Spring Drive
Garner, NC 27529

Facility ID: N/A

Incident Type/Number: N/A



Anticipated Impacts: Low

Based on the architecture of the original Hudson's Hardware store, it resembles an old service station. The business has since expanded into the structure pictured. There are no underground storage tanks registered to this address, nor are there any documented releases associated with the parcel. No monitoring wells nor evidence of underground storage tanks were observed during site reconnaissance.

(02) Property Name:

Han-Dee Hugo's 40
401 Benson Road
Garner, NC 27529

Property Owner:

Sampson Bladen Oil Co Inc
PO Box 469
Clinton, NC 28329

Facility ID: 00-0-0000003969

UST Owner:

Sampson Bladen Oil Co Inc.
PO Box 469
Clinton, NC 28329

Incident Type/Number: 39359



Anticipated Impacts: Low

This active gas station has an underground storage tank incident associated with it. The groundwater is currently being monitored and there is a remediation system operating on-site. There are six (6) registered underground storage tanks for this location. There is an extensive network of monitoring wells located on this site and adjacent parcels. Four (4) of the monitoring wells on-site have measurable amounts of free product.

**PROJECT SPECIAL PROVISIONS
GEOENVIRONMENTAL**

CONTAMINATED SOIL (6/17/2022)

The Contractor's attention is directed to the fact that soil contaminated with petroleum hydrocarbon compounds may exist within the project area. The suspected areas of contamination are indicated on corresponding plans sheets. Information relating to these contaminated areas, sample locations, and investigation reports will be available at the following web address by navigating to the correct letting year and month then selecting, "Plans and Proposals", "Wake_B-4654", "Individual Sheets/520 GeoEnvironmental":

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

Petroleum contaminated soil may be encountered during any earthwork activities on the project. The Contractor shall only excavate those soils that the Engineer designates necessary to complete a particular task. The Engineer shall determine if soil is contaminated based on areas shown on the plans, 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 a facility licensed to accept contaminated soil.

In the event that a stockpile is needed, the stockpile shall be created within the property boundaries of the source material and in accordance with the Diagram for Temporary Containment and Treatment of Petroleum-Contaminated Soil per North Carolina Department of Environmental Quality's (NCDEQ) Division of Waste Management UST Section GUIDELINES FOR EX SITU PETROLEUM CONTAMINATED SOIL REMEDIATION. If the volume of contaminated material exceeds available space on site, the Contractor shall obtain a permit from the NCDEQ UST Section's Regional Office for off-site temporary storage. The Contractor shall provide copies of disposal manifests completed per the disposal facilities requirements and weigh tickets to the Engineer.

Measurement and Payment:

The quantity of contaminated soil hauled and disposed of shall be the actual number of tons of material, which has been acceptably transported and weighed with certified scales as documented by disposal manifests and weigh tickets. The quantity of contaminated soil, measured as provided above, shall be paid for at the contract unit price per ton for "Hauling and Disposal of Petroleum Contaminated Soil".

The above price and payment shall be full compensation for all work covered by this section, including, but not limited to stockpiling, loading, transportation, weighing, laboratory testing, disposal, equipment, decontamination of equipment, labor, and personal protective equipment.

Payment shall be made under:

Pay Item

Hauling and Disposal of Petroleum Contaminated Soil

Pay Unit

Ton

DocuSigned by
Ethan J. Caldwell
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06/17/2022

