



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

July 30, 2019

MEMORANDUM TO: Marissa Lenoce
Planner
STV

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

TIP NO: BR-0124
WBS: 67124.1.1
COUNTY: WILKES
DIVISION 11
DESCRIPTION: Replace Bridge Number 166 on SR1745 (Shumate Mountain Road) Over West Prong Roaring River

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 July 17, 2019 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

One (1) site of concern was identified within the proposed study area. We anticipate low monetary and scheduling impacts resulting from this site. 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.

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL ENGINEERING UNIT
1589 MAIL SERVICE CENTER
RALEIGH, NC 27699-1589

Telephone: (919) 707-6850
Customer Service: 1-877-368-4968

Website: www.ncdot.gov

Location:
1020 BIRCH RIDGE DRIVE
RALEIGH, NC 27610

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

Carl Barclay, PE, State Utilities Manager

Trent Beaver, PE, Division Construction Engineer

Daneil Miles, Division Right of Way Agent

Eric Williams, PE, Geotechnical Regional Manager

Jody Kuhne, LG, PE, Regional Geological Engineer

Heather Fulghum, ROW Unit, Negotiations, State Negotiator

row-notify@ncdot.gov

roadwaydesign@ncdot.gov

hydraulics_notify@ncdot.gov

(01) Property Name:

Wiles Property
3984 Traphill Road
Hays, NC 28635

Property Owner:

Kim Wiles
4042 Traphill Road
Hays, NC 28635

Facility ID: N/A

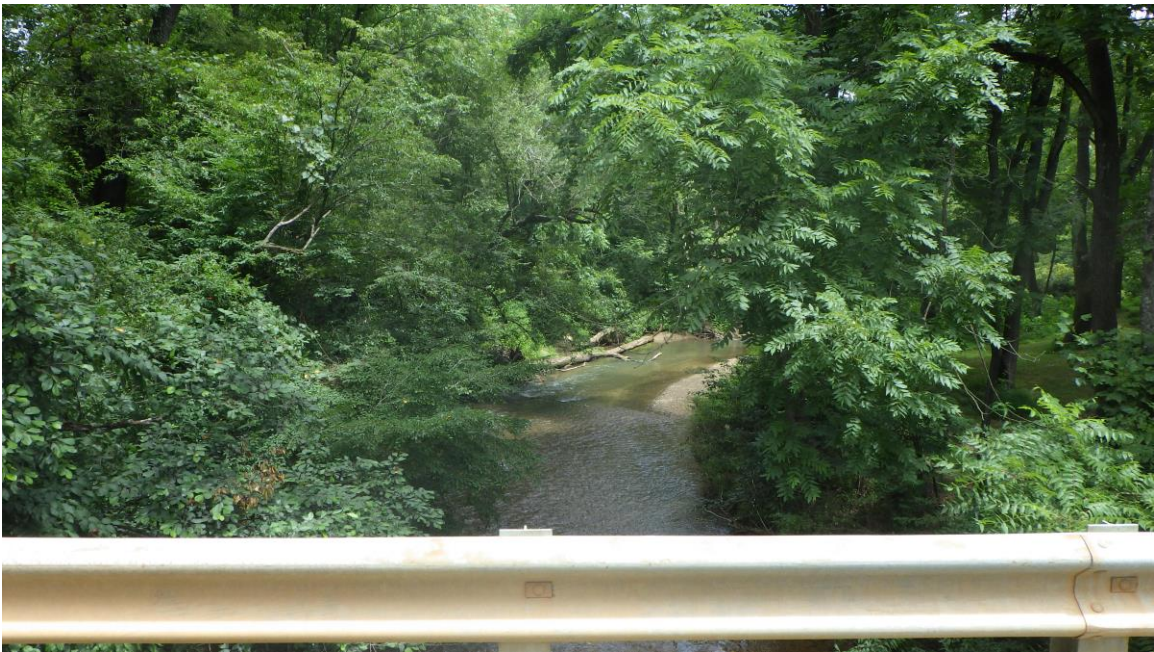


Anticipated Impacts: Low

This site appears to have operated as an automotive repair shop, wrecker service, and salvage yard. There are no documented incidents or registered tanks associated with this address. No evidence of USTs was observed during the site reconnaissance. There are batteries laying around and surficial staining of the soil from petroleum. Inside of the building was not accessed, so it is still uncertain as to the presence of in ground hydraulic lifts.



View from the bridge looking upstream (South).



Looking downstream (North).

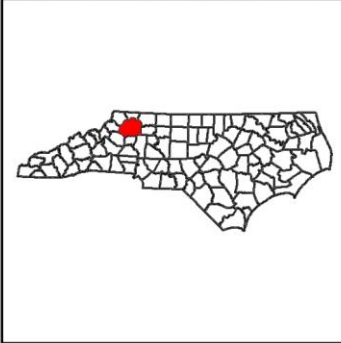
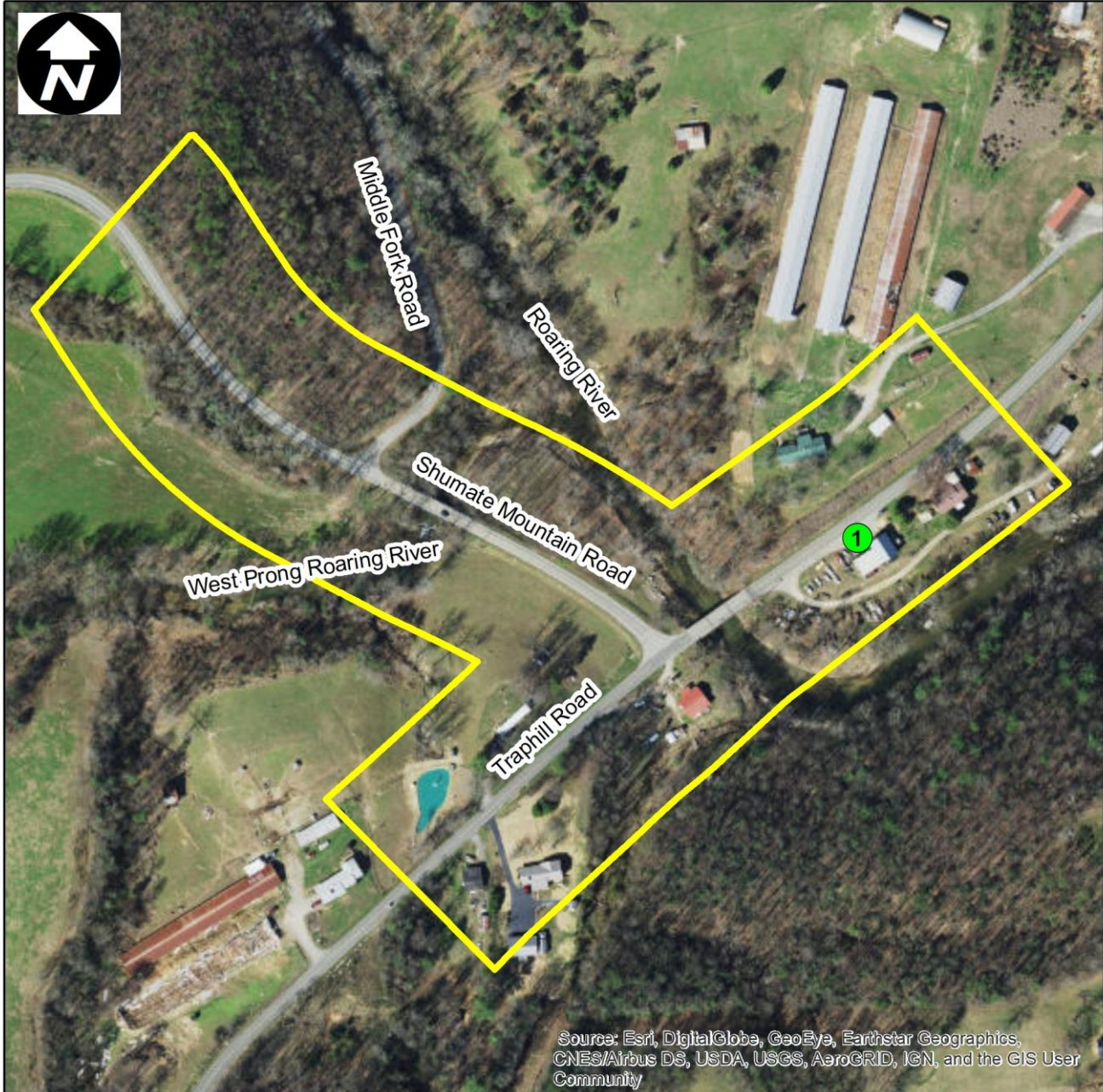


Approach from the intersection of Shumate Mountain Road and Middle Fork Road (West).



The view as approaching the bridge from the Traphill Road and Shumate Mountain Road intersection (East).

Figure
Location of GeoEnvironmental Sites of Concern

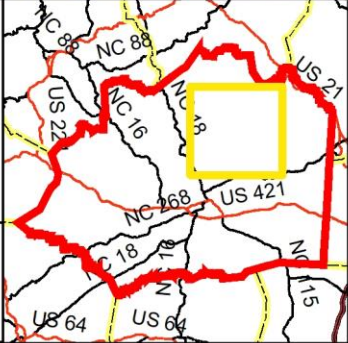


Project 48833.1.1 (TIP # BR-0124)
 Replace Bridge 166 on SR 1745 (Shumate Mountain Road) over West Prong of Roaring River. Wilkes County

400 200 0 400 Feet



NC Department of Transportation
 Geotechnical Engineering Unit
 GeoEnvironmental Section





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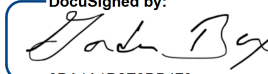
6/7/2019

MEMORANDUM TO: Marissa Lenoce
Planner STV Inc.

FROM: Gordon Box, PG
GeoEnvironmental Project Manager
GeoEnvironmental Section
Geotechnical Engineering Unit

TIP NO: BR-0124
WBS: 67124.1.1
COUNTY: WILKES
DIVISION: 11
DESCRIPTION: Bridge Number 960166 on SR1745 over West Prong Roaring River

SUBJECT: **Pre-Scoping Comments**

DocuSigned by:

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The GeoEnvironmental Section performed a records search of readily available information for the given project study area to identify known and potential sites of concern. One (1) UST facility was identified within the project area. Refer to the attached table and figure for a list of sites of concern and their anticipated impacts.

A detailed Phase I study of the preferred alternative should be performed to field verify the hazardous waste sites and identify unknown sites. This detailed Phase I study should be included in the environmental document.

cc:
Kevin Fischer, PE, Assistant State Structures Engineer - PEF Coordination, Program Management & Field Ops.
John Pilipchuk, LG, PE, State Geotechnical Engineer
Brian Hanks, PE, State Structures Engineers
Dale Burton, PE, PLS, State Locations and Surveys Engineer
Carl Barclay, PE, State Utilities Manager
Trent Beaver, PE, Division Construction Engineer
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Customer Service: 1-877-368-4968

Website: www.ncdot.gov

Location:
CENTURY CENTER COMPLEX
ENTRANCE B-2
1020 BIRCH RIDGE DRIVE
RALEIGH NC

Table
USTs, Landfills & Other Potentially Contaminated Sites of Concern

Site #	Type	Location	UST Facility ID #	Property Name	Property Owner	Anticipated Impact	Anticipated Risk	Comments
1	UST	3984 TRAPHILL RD, HAYS, NC	NA	Garage	WILES, KIM, 4042 TRAPHILL RD, HAYS, NC	USTs, hydraulic lifts, and/or petroleum and/or solvent impacted soil and/or groundwater.	Low	This parcel has a building with three bay doors that may have hydraulic lifts with in ground components. Automobile service has likely been performed on site. The building may have been a former gas station - USTs may be present. Multiple salvage automobiles are also on site, per Google Streetview.

