



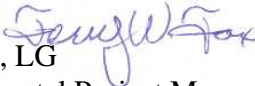
STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

April 14, 2011

MEMORANDUM TO: Brenna Poole
Project Planning Engineer - Bridge Unit
Project Development and Environmental Analysis Branch

FROM: Terry W. Fox, LG 
GeoEnvironmental Project Manager
GeoEnvironmental Section
Geotechnical Engineering Unit

TIP NO: B-4046
WBS: 33412.1.1
COUNTY: Burke
DIVISION: 13
DESCRIPTION: Bridge 175 over White Oak Creek and Bridge 38 over Jacob Fork River
on SR 1901 (Wards Gap Road)

SUBJECT: **Geotechnical Report for Planning**

The Geotechnical Engineering Unit has completed the Geotechnical Report for Planning. This report has the following components and is transmitted as:

X Hazardous Materials Report (5) pages

Please contact the project team members listed in the report if you have any questions concerning this project.

MAILING ADDRESS:
NC DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL ENGINEERING UNIT
1589 MAIL SERVICE CENTER
RALEIGH NC 27699-1589

TELEPHONE: 919-250-4088
FAX: 919-250-4237
www.ncdot.gov/doh/preconstruct/highway/geotech

LOCATION:
CENTURY CENTER COMPLEX
BUILDING B
1020 BIRCH RIDGE DRIVE
RALEIGH NC 27610

Hazardous Materials Report

The GeoEnvironmental Section of the Geotechnical Engineering Unit has investigated the above referenced project to identify hazardous material sites for inclusion in the environmental document.

HAZARDOUS MATERIALS EVALUATION

Purpose

This section presents the results of a hazardous material evaluation conducted along the above referenced project. The main purpose of this investigation is to identify properties within the project study area that are or may be contaminated and therefore result in increased project costs and future liability if acquired by the Department. Hazardous material impacts may include, but are not limited to, active and abandoned underground storage tank (UST) sites, hazardous waste sites, regulated landfills and unregulated dumpsites.

Techniques/Methodologies

The Geographical Information System (GIS) was consulted to identify known sites of concern in relation to the project corridor. Geotechnical Engineering Unit personnel conducted a field reconnaissance along the project corridor on April 5, 2011. A search of appropriate environmental agencies' databases was performed to assist in evaluating sites identified during this study.

Findings

UST Facilities

No petroleum sites were identified within the project limits.

Hazardous Waste Sites

No Hazardous Waste Sites were identified within the project limits.

Landfills

No apparent landfills were identified within the project limits.

Other GeoEnvironmental Concerns

No other geoenvironmental concerns were identified within the project limits.

Anticipated Impacts

The Geotechnical Engineering Unit observed no contaminated properties during the field reconnaissance and regulatory agencies' records search. Please note that discovery of additional sites not recorded by regulatory agencies and not reasonably discernable during the project reconnaissance may occur. The Geotechnical Engineering Unit should be notified immediately after discovery of

such sites so their potential impact(s) may be assessed. See Appendices A and B for an area map and site photograph.

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

If there are questions regarding the geoenvironmental issues, please contact me, at 919-250-4088.



Terry W. Fox, LG
GeoEnvironmental Project Manager
GeoEnvironmental Section
Geotechnical Engineering Unit

cc:

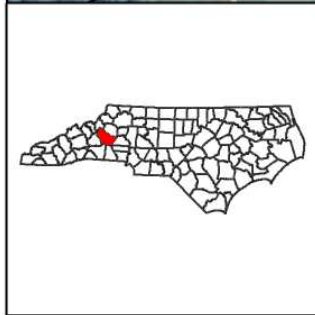
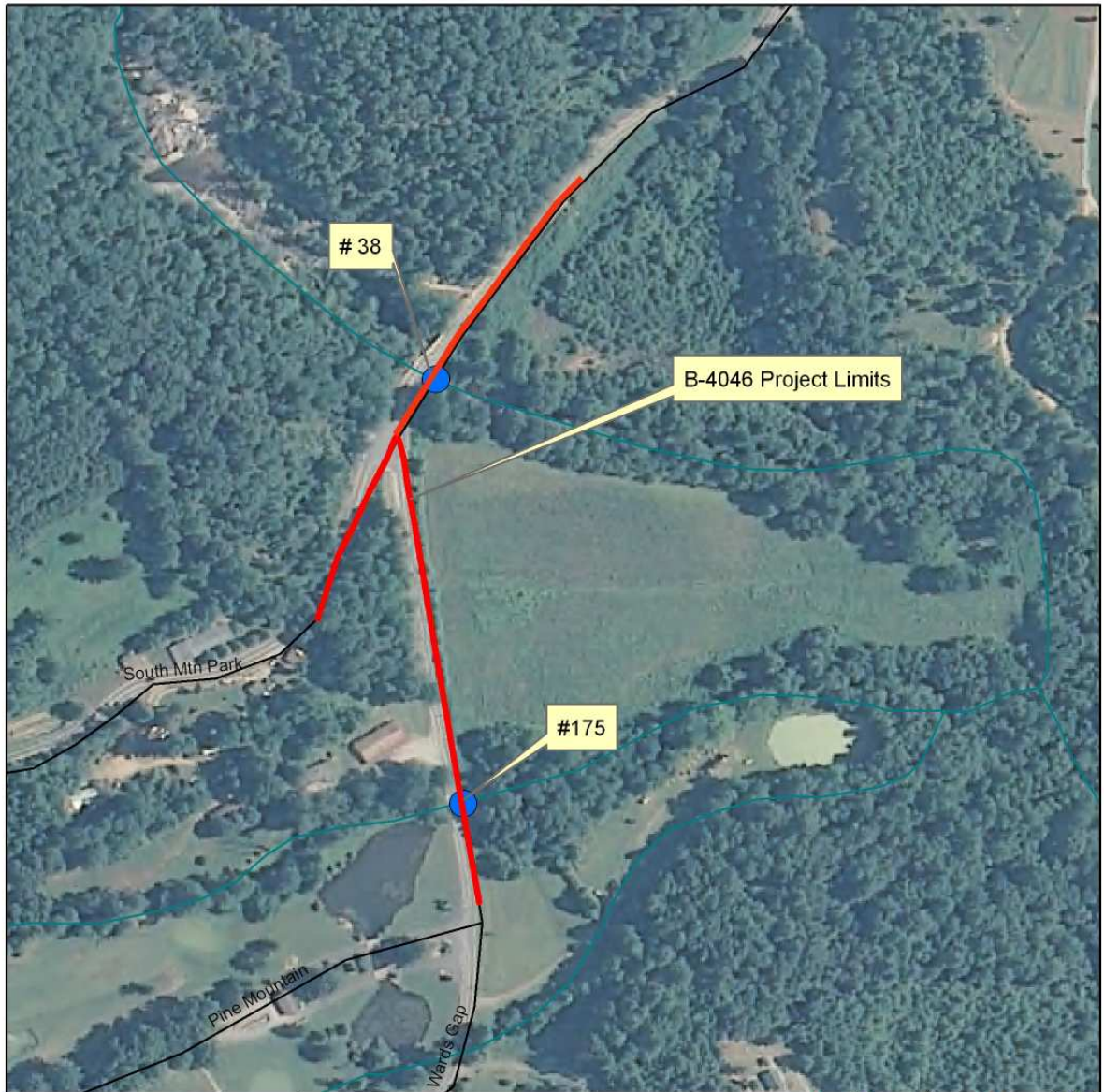
Anthony West, PE, Highway Design

Bob Haskett, Division 13 Right of Way

John Pilipchuk, LG, PE, Western Regional Geotechnical Engineering Unit Office

File

Appendix A
Location of USTs, Landfills, & Other Potentially Contaminated Sites

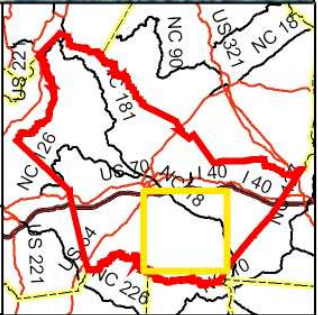


Project 33412.1.1 (TIP # B-4046)
 Bridge # 175 over White Oak Creek &
 Bridge # 38 over Jacob Fork Creek on
 SR 1901 (Wards Gap Rd)
 Burke County

N

300 150 0 300 Feet

NC Department of Transportation
 Geotechnical Engineering Unit
 GeoEnvironmental Section



TIP: B-4046

Site Photographs

April 5, 2011



Bridge 175 over White Oak Creek on SR 1901 (Wards Gap Road). View to the north.



Bridge 175 over White Oak Creek on SR 1901 (Wards Gap Road). View to the south.



Downstream view of White Oak Creek. View to the east.



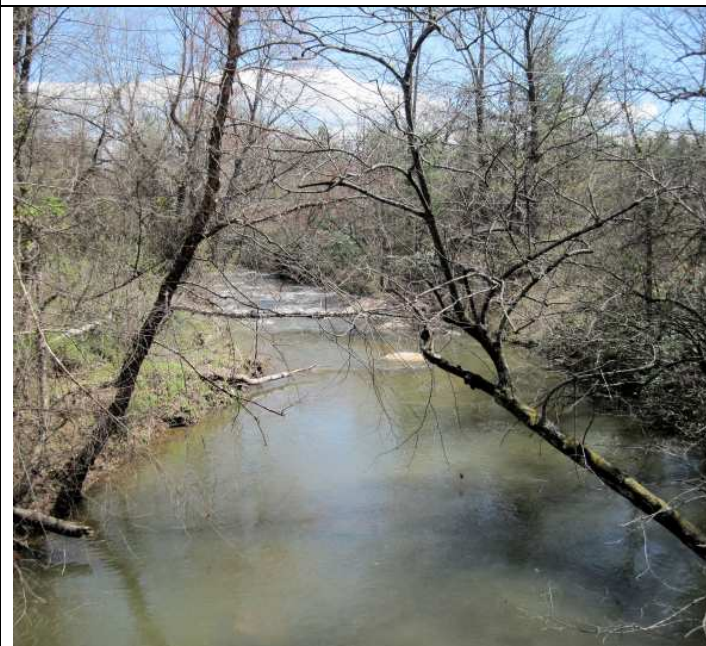
Upstream view of White Oak Creek. View to the west.



Bridge 38 over Jacob Fork River on SR 1901 (Wards Gap Road). View to the northeast.



Bridge 38 over Jacob Fork River on SR 1901 (Wards Gap Road). View to the southwest.



Downstream view of Jacob Fork River. View to the southeast.



Upstream view of Jacob Fork River. View to the northwest.