




STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE
GOVERNOR

EUGENE A. CONTI, JR.
SECRETARY

April 10, 2012

MEMORANDUM TO: Scott E. Cooke, PE
DDC Engineer
NCDOT Highway Division 3

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

TIP NO: N/A
WBS: 43518
COUNTY: Onslow
DIVISION: 3
DESCRIPTION: NC 210 and NC 172 (Sneads Ferry Rd) in Sneads Ferry

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:

Hazardous Materials Report (9) pages
 Geotechnical Impact Report () 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: 919-707-6870
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 within the project limits at this intersection on March 27, 2012. A search of appropriate environmental agencies' databases was performed to assist in evaluating sites identified during this study.

Findings

UST Facilities

Based on our study, six (6) sites may contain petroleum USTs 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

Six (6) possible UST facilities were identified within the proposed project corridor. We anticipate low monetary and scheduling impacts resulting from these sites. (See the following table and appendices for details)

Known and Potential Hazardous Material Sites

| | | |
|----|---|---|
| 1) | Property Name Four Corners Investment, LLC 1961 NC 172 Sneads Ferry, NC 28460 | Property Owner: Monks Corner, LLC 200 Cape Fear Circle, STE 1 Sneads Ferry, NC 28460-9192 |
| | Facility ID #: 0-022348 Incident #: 32580 | UST Owner: Monks Corner, LLC 200 Cape Fear Circle, STE 1 Sneads Ferry, NC 28460-9192 |



Monk's Variety formerly operated at this location as a gas station, convenience and variety store. It was located on the northeast corner of NC 172 and NC 210. According to the UST Section Registry five (5) tanks were closed in 2009. At that time Ground Water Incident #32580 was assigned to this facility. Two (2) monitoring wells were noted on site. The site was closed out in 2010 with a Notice of Residual Petroleum. **This site is anticipated to present low goenvironmental impacts to the project.**

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- 2) **Property Name**
Vacant Lot – Former Yopp Station
NC 210/NC 172
Sneads Ferry, NC 28460
- Property Owner:**
Omega World Travel, Inc.
3102 Omega OFC
Fairfax, VA 22031
- Facility ID #:** 0-025310
Incident #: 22726
- UST Owner:**
Omega World Travel, Inc.
3102 Omega OFC
Fairfax, VA 22031



The Old Yopp Station formerly operated at this location as a gas station. It was located on the northwest corner of NC 172 and NC 210. This business does not appear on the UST Section Registry. Ground Water Incident #32580 was assigned to this facility in 2000. An unknown number of USTs were removed in 1984 and had been inactive since 1977. No monitoring wells were noted on site. **This site is anticipated to present low geoenvironmental impacts to the project.**

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- 3) **Property Name**
Harbor Site Bar
1940 NC 172
Sneads Ferry, NC 28460
Facility ID #: N/A
- Property Owner:**
Kathy & Jesse Sellers
119 Hill Lane
Sneads Ferry, NC 28460
UST Owner: N/A



This business operates as a bar. It is located 400 feet west of the NC 172 and NC 210 intersection. The layout and design of this property suggests that it may have once operated as a gas station. This parcel does not appear on the UST Section registry and no ground water incidents are listed for this location. **This site is anticipated to present low geoenvironmental impacts to the project.**

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- 4) **Property Name**
Former Scotchman 231 Station
980 NC 210
Sneads Ferry, NC 28460
Facility ID #: 0-023389
- Property Owner:**
Rayless Four, Inc.
12403 Pleasant Lake Ct.
Richmond, VA 23233
- UST Owner:**
Rayless Four, Inc.
980 NC 210
Sneads Ferry, NC 28460



This closed facility formerly operated as the Scotchman 231 gas station and convenience store. It is located south on the NC 172 and NC 210 intersection and on the northwest corner of NC 210 and Canady Drive. According to the UST Section registry there are four (4) registered USTs, and were verified during the site visit. This property does not appear on the Ground Water Incidents database and no monitoring wells were noted on site. **This site is anticipated to present low geoenvironmental impacts to the project.**

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- 5) **Property Name**
Trade-Wilco 1875
1974 NC 172
Sneads Ferry, NC 28460
Facility ID #: 0-036345
- Property Owner:**
Sodalis Investments, LLC
PO Box 3435
Greenville, NC 27836
- UST Owner:**
K.F Austin Corp.
3301 Burnt Mill Drive
Wilmington, NC 28403



This facility currently operates as a Hess gas station and convenience store. It is located 400 feet east of the NC 172 and NC 210 intersection. According to the UST Section registry there are four (4) tanks currently in use. This property does not appear on the Ground Water Incidents database and no monitoring wells were noted on site. **This site is anticipated to present low geoenvironmental impacts to the project.**

| | | |
|----|---|---|
| 6) | Property Name Car Quest Auto Parts NC 172 Sneads Ferry, NC 28460 Facility ID #: N/A | Property Owner: Edward & Sonya Norris 333 Grandview Drive Sneads Ferry, NC 28460 UST Owner: N/A |
|----|---|---|



This active business operates as an automotive parts store. It is located 475 feet east of the NC 172 and NC 210 intersection. The architecture of this structure and the old cast iron sign post in front, suggests that it may have once operated as a gas station. The ruins of a car wash are located just west of this building. This parcel does not appear on the UST Section registry and no ground water incidents are listed for this location. The parking area has been paved over covering any evidence of USTs or pump islands. **This site is anticipated to present low geoenvironmental impacts to the project.**

The Geotechnical Engineering Unit can provide assessments on each of the above properties after identification of the selected alternative and before right of way acquisition. 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.

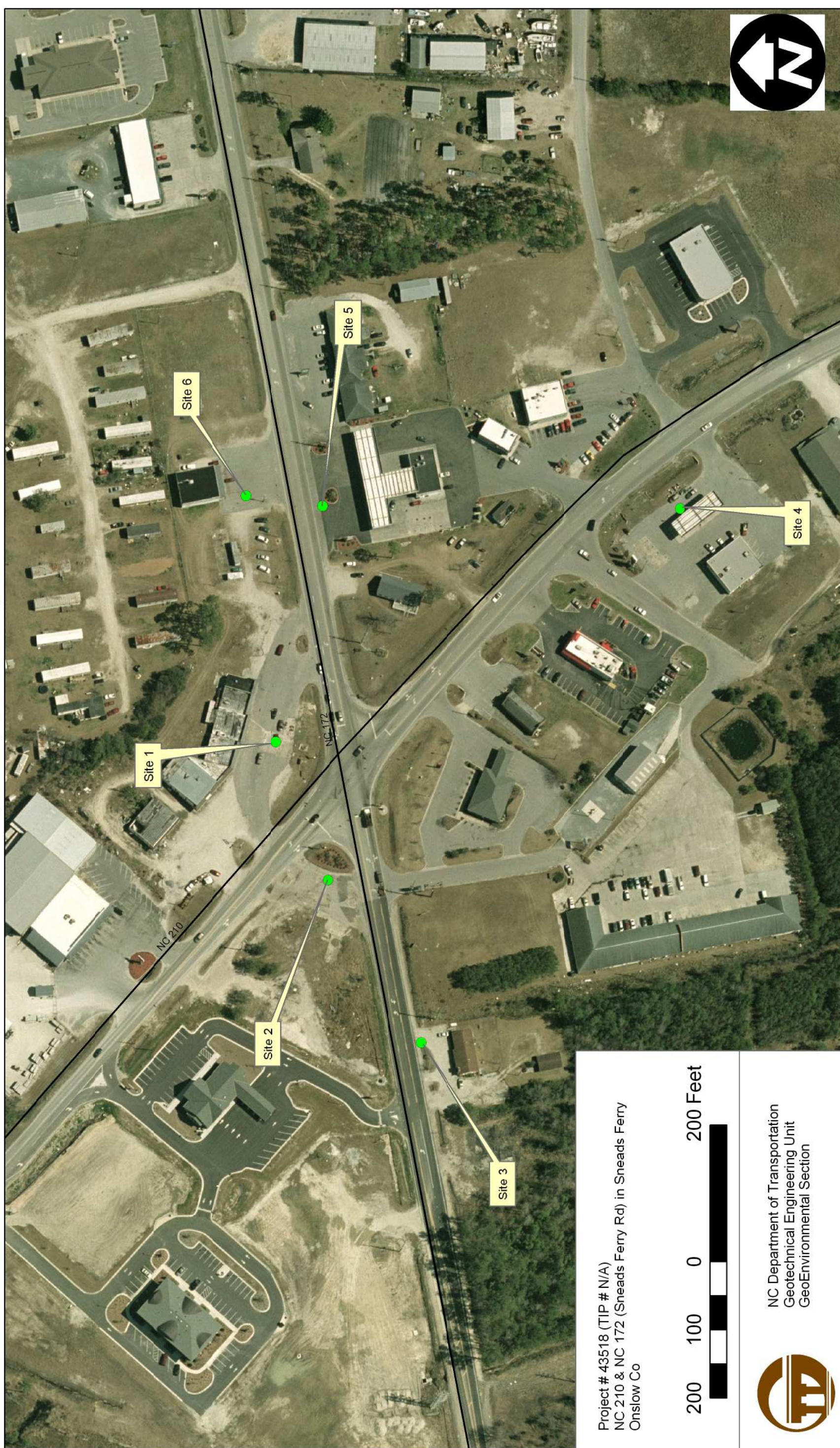
If there are questions regarding the geoenvironmental issues, please contact me, at 919-707-6870.



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

cc:
Eric Ray, Division 3 Right of Way
File

Appendix A
Locations of USTs, Landfills, & Other Potentially Contaminated Site



Project # 43518 (TIP # N/A)
NC 210 & NC 172 (Sneads Ferry Rd) in Sneads Ferry
Onslow Co



NC Department of Transportation
Geotechnical Engineering Unit
GeoEnvironmental Section