



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

JAMES H. TROGDON, III  
SECRETARY

May 15, 2017

MEMORANDUM TO: Brett Abernathy, PE, PLS  
Division 9 Project Development Team Lead

FROM: Dennis G Li, Ph.D., LG  
GeoEnvironmental Project Engineer  
GeoEnvironmental Section  
Geotechnical Engineering Unit

DocuSigned by:  
*Dennis Li*  
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5/16/2017

TIP NO: R-5768  
WBS: 44670.1.1  
COUNTY: Stokes  
DIVISION: 9  
DESCRIPTION: US 311/NC 65/SR 1928 (Stokesburg Rd.) in Walnut Cove. Upgrade existing intersection and improve Norfolk Southern Railroad Crossing. Includes realignment of NC 65.

SUBJECT: **GeoEnvironmental Planning Report**

The GeoEnvironmental Section of the Geotechnical Engineering Unit performed a Phase I field investigation on May 10, 2017 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**

Five (5) 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.

If there are questions regarding the geoenvironmental issues, please contact me, at 919-707-6857.

cc:

John Pilipchuk, LG, PE, State Geotechnical Engineer

Matthew (Matt) S. Lauffer, PE, Assistant State Hydraulics Engineer

Brian Hanks, PE, State Structures Engineer

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File

**Sites of Concern**

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|--|--|
| 1) <b>Property Name:</b><br>Walnut Cove Food Mart (Former<br>EXPREZIT 835)<br><br>634 S MAIN ST<br>WALNUT COVE NC 27052<br><br><b>Facility ID #:</b> 00-0-0000035733<br><b>Incident #:</b> N/A | <b>Property Owner:</b><br>AS & S INC; NASIR, MUHAMMAD RAMZAN;<br>KAUSAR, ROBINA<br><br>117 TRAIL COURT<br>THOMASVILLE NC 27360<br><br><b>UST Owner:</b><br>MGS ENTERPRISES INC<br>634 S MAIN STREET<br>WALNUT NC 27502 |
|--|--|



This is an active Mobil Gas Station. Based on NCDEQ's database, there are 4 USTs currently active on site. No monitoring wells are observed to be present at the time of this site visit. **This site is anticipated to present low geoenvironmental impacts to the project.**

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2)	<b>Property Name:</b> The Cove Grill	<b>Property Owner</b> SUTPHIN, DUANE.
	407 S MAIN ST711 SOUTH MAIN STREET (Former WALNUT COVE NC 27052	1015 BEAVER ISLAND TRAIL WALNUT COVE NC 27052
	<b>Facility ID #:</b> N/A <b>Incident #:</b> N/A	<b>UST Owner:</b> N/A



This is a large lot with a restaurant (the Cover Grill) and some storage business currently in operations. There are evidence of USTs and associated features on site. This was an old country store, USTs are probably still in the property. There are no record can be located from NCDEQ database. No monitoring wells are observed to be present on site. **This site is anticipated to present medium geoenvironmental impacts to the project.**

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- 3) **Property Name:**  
Vacant (Former FRIENDLY FOOD  
MART #6)  
  
403 NC HWY 65 @ STOKESBURG RD  
WALNUT COVE NC 27052  
  
**Facility ID #:** 00-0-0000008364  
**Incident #:** 19490
- Property Owner**  
DEHART DR, V L  
  
PO BOX 398  
WALNUT COVE NC 27052  
  
**UST Owner:**  
DAN RIVER OIL CO  
202 NOTH DALTON ST.  
MADISON, NC 27025



This is the vacant building, the Former FRIENDLY FOOD MART #6 convenience Store was located at the corner of NC 65 and STOKESBURG RD. Based on NCDEQ's database, there were three 4000 gallons tanks installed in 1975 reportedly removed in 1998. Four (4) monitoring wells were observed to be present on site. The tank closure report could not be located in DEQ's files. **This site is anticipated to present medium geoenvironmental impacts to the project.**

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4)	<b>Property Name:</b> Pork Produce Mart (Former GENE MILLER)	<b>Property Owner</b> WEBSTER, THOMAS E; WEBSTER, SUE K
	711 S Main Street Walnut Cove, NC 27052	2113 LINDSAY BRIDGE RD MADISON NC 27025
	<b>Facility ID #:</b> 00-0-0000024859 <b>Incident #:</b> N/A	<b>UST Owner:</b> Barrow Oil Co. 8900 ELLISBORO ROAD STOKESDALE, NC 27357



This is the former GENE MILLER convenience store later converted to a multi business center. Based on NCDEQ's database, there were four tanks on the property, one was installed in 1986, and the others in 1964. No new USTs were installed since 2005. There are evidence of sewer line installed in the area of former USTs. No monitoring wells were observed to be present at the time of this site visit. Reportedly, one 3000 gallon UST associated with the former operations was removed and was replaced with the same sized UST in 1986. All USTs were removed in 2005 and no groundwater incident number was assigned. **This site is anticipated to present medium geoenvironmental impacts to the project.**

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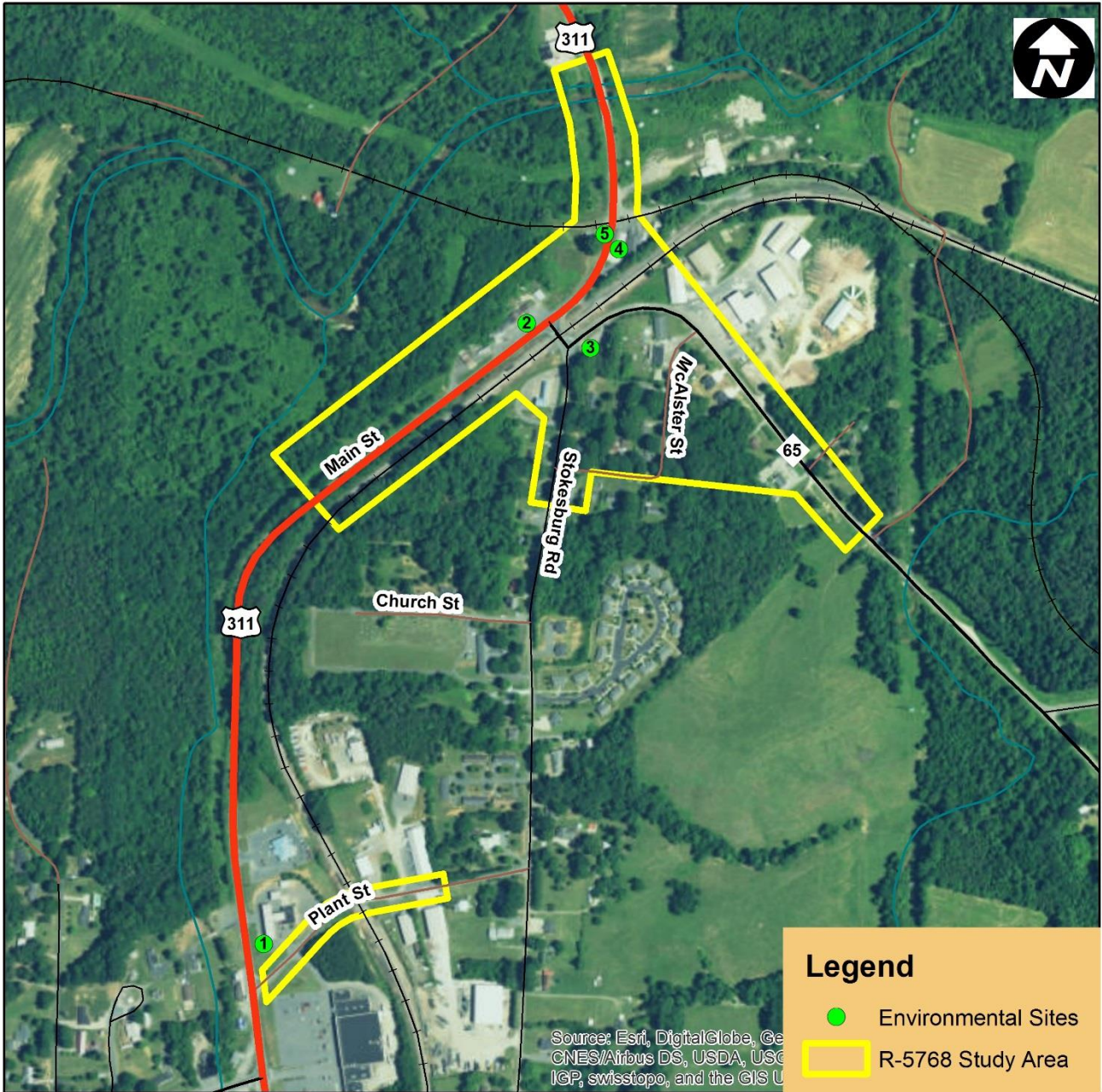
- 
- 5) **Property Name:** Vacant Building (Possible Former Convenience Store) **Property Owner** KNIGHT JR, JIMMY L.; KNIGHT, DEBBIE R.
- 0 US 311 HWY/ 715 S Main Street PO BOX 531  
Walnut Cove, NC 27052 WALNUT COVE NC 27052
- Facility ID #:** N/A **UST Owner:**  
**Incident #:** N/A N/A



This is a vacant building. Based on the location and the style of the structure, the site is probably a former convenience store. However, USTs and associated features are not observed to be present at the time of this site visit. No monitoring wells are observed to be present on site. No record was located from NCDEQ's database. **This site is anticipated to present medium goenvironmental impacts to the project.**

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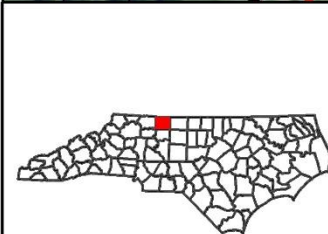
**Appendix A**  
**Location of GeoEnvironmental Sites of Concern**



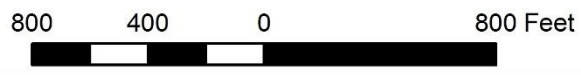
**Legend**

- Environmental Sites
- R-5768 Study Area

Source: Esri, DigitalGlobe, GeoEye, IGN, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, IGP, swisstopo, and the GIS User Community



Project 44670.1.1 (TIP # R-5768)  
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