



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

October 9, 2017

MEMORANDUM TO: Brian F. Yamamoto, PE
Project Manager
Central Project Delivery Team -- Divisions 5 & 8

FROM: Dennis G. Li, PhD, LG
GeoEnvironmental Project Manager
GeoEnvironmental Section
Geotechnical Engineering Unit

DocuSigned by:
Dennis Li
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10/10/2017

TIP NO: R-5726
WBS: 50218.1.1
COUNTY: Moore
DIVISION: 8
DESCRIPTION: Widening of NC 211 from NC 73 in West End to Holly Grove School Road in Seven Lakes, Moore County

SUBJECT: **GeoEnvironmental Planning Report**

The GeoEnvironmental Section of the Geotechnical Engineering Unit performed a Phase I field investigation on August 22, 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

Twelve (12) 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

Stephen R. Morgan, PE, State Hydraulics Engineer

Andrew McDaniel, PE, Stormwater NPDES Permit Program - Engineering Supervisor

Brain Hanks, PE, State Structures Engineer

Burton, Dale PE, PLS, Assistant State Locations and Surveys Engineer

Carl Barclay, PE, State Utilities Manager

John R.G. Olinger, PE, Division 8 Construction Engineer

Bradley D. Bass, Area (Division 5, 6 and 8) Right of Way Agent

Eric Williams, PE, Geotechnical Regional Manager

Kevin B Miller L.G., Regional Geological Engineer

Steve Grimes, ROW Unit, Negotiations, State Negotiator

row-notify@ncdot.gov

roadwaydesign@ncdot.gov

File

Sites of Concern

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- 1) **Property Name:** Mac's Food Store 5
5461 NC 211
West End, NC 27376
- Property Owner:** MC, B, MC, LLC
PO Box 396
Aberdeen, NC 28315
- Facility ID #:** 00-0-0000020670
- UST Owner:** McNeill Oil Co, Inc.
PO Box 396
Aberdeen, NC 28315
- Incident #:** N/A



This gas station and convenience store is located on the eastern side of the intersection of NC 211 and NC 73 W in West End. According to the UST Section Registry there are three (3) tanks currently in use, located on the south side of the fuel canopy. According to the NCDEQ website there are no incidents associated with this location. There were no monitoring wells reported at this location. **This site is anticipated to present low geoenvironmental impacts to the project.**

2) **Property Name:**
Old Stanley Furniture Plant
5364 NC 211
West End, NC 27376

Property Owner(s):
Parcels 00020452 & 00020261:
JR Square, LLC
PO Box 1146
West End, NC 27376

Parcel 20140157:
5364 Highway 211, LLC
4030 Wake Forest Rd
Raleigh, NC 27609

Facility ID(s) #: 00-0-0000020439 &
0-00-0000020415
Incident #(s):
29880
29986 (NCDOT)

UST Owner(s):
Stanley Interiors Corp.
5364 NC 211
West End, NC 27376 (10 tanks)

Huffman Oil Co. of Candor, Inc.
Bus. Hwy 220 S. Box 699
Candor, NC 27229 (1 large tank)



This is an old furniture manufacturing plant. The main building is located on the western side of NC 211 (site 2a), north of NC 73 W. There is a parking lot with a large above-ground storage tank associated with the plant on the opposite side of NC 211 from the plant building (site 2b). This site reportedly had 11 USTs on site, two of which were removed in 1971 (NCDOT project file R-2812 Parcel 199), and the other nine were removed in 1992 (.). This location is associated with two UST incidents, #29880, closed in 2002, and #29986. There were unknown number of tanks and potential hazardous material remain in the site. **This site is anticipated to present medium to high GeoEnvironmental impacts to the project.**

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- 3) **Property Name:**
Vacant Lot (Former Shell Station)
5375 NC 211
West End, NC 27376
- Property Owner:**
West End United Methodist Church
PO Box 276
West End, NC 27376
- Facility ID #:** Not Listed
Incident #: N/A
- UST Owner:** Not Listed



This vacant lot is reportedly the location of a former Shell gas station, according to locals. It is located on the eastern side of NC 211, directly south of the white auto shop (site 4). **This site is anticipated to present low geoenvironmental impacts to the project.**

4) **Property Name:**
"White Auto Shop"
5365 NC 211
West End, NC 27376

Facility ID #: N/A
Incident #: N/A

Property Owner:
Mark Earl Karshner and Clayton Earl Karshner
PO Box 333
West End, NC 27376

UST Owner: McNeill Oil Co, Inc.
PO Box 396
Aberdeen, NC 28315



This automotive garage is located on the eastern side of NC 211 in West End, directly across the street from the old Stanley Furniture plant. According to the Moore County GIS site, this location was once a Shell gas station. **This site is anticipated to present low geoenvironmental impacts to the project.**

5) **Property Name:**
Cagle's Auto Repair
5349 NC 211
West End, NC 27376

Facility ID(s) #:
00-0-0000020664
00-0-0000029510 (NCDEQ)
Incident #: 11631

Property Owner:
McNeill Oil Co, Inc.
PO Box 396
Aberdeen, NC 28315

UST Owner: McNeill Oil Co, Inc.
PO Box 396
Aberdeen, NC 28315



This auto garage and used tire shop is located on the southeastern quadrant of the intersection of NC 211 and NC 73/Mode Road in West End. This shop was once Cagle Exxon, which was the location of incident #11631, closed out 1995. This location was home to five fuel USTs. All five tanks were closed in 1993. There are monitoring wells were observed to be present in the site during the site visit. **This site is anticipated to present low geoenvironmental impacts to the project.**

6)	Property Name: Vacant Lot (Former Tucker's Service Station) 5337 NC 211 West End, NC 27376 Facility ID #: 00-0-0000020670 Incident #(s): 29744, 29788	Property Owner: Best Offer, LLC 960 Foxfire Rd Aberdeen, NC 28315 UST Owner: N/A
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This vacant lot was the location of Tucker's Service Station, and is located on the northeast quadrant of the intersection of NC 211 and NC 73/Mode Road in West End. This site is the location of two UST incidents, #29744 and #29788. Incident #29788 is associated with state project M-0376, the removal of three orphan USTs in 2012 (Division 8 Safety Improvement Project:\\dot\dfsroot01\borelogs\GeoEnvironmental\Non-TIP Projects\62_Hwy 211 West End_UST). **This site is anticipated to present low geoenvironmental impacts to the project.**

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- 7) **Property Name:** “White Garage with Red Roof” (Vacant building)
5114 NC 211
West End, NC 27376
Facility ID #: N/A
Incident #: N/A
- Property Owner:**
Susan McCaskill Morgan and Others
2511 Scalybark Rd
Statesville, NC 28625
- UST Owner:** N/A



This site appears to be an abandoned/former gas station and auto garage and it is located on the western side of NC 211 in West End, about 300 feet south of Knox Lane. There is an old pump island on the front side of the building with possible fuel lines still sticking up out of the ground. The UST registry and tanks database do not have records at this location. **This site is anticipated to present low geoenvironmental impacts to the project.**

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- 8) **Property Name:**
Seven Lakes Hardware / GreeneBow's
Southern Cuisine
4379 NC 211
West End, NC 27376
Facility ID #: N/A
Incident #: N/A
- Property Owner:**
John C. Garner and Joann M. Garner
PO Box 86
West End, NC 27376
- UST Owner:** N/A



This small strip mall is the location of GreeneBow's Southern Cuisine and Seven Lakes Hardware, and is located on the eastern side of NC 211 in West End, about 400 feet southeast of the intersection of NC 211 and Seven Lakes Drive. There no record was found for this site in NCDEQ registry USTs database. The pavement in the parking lot, however, is patched up in many locations, indicating there may have been tanks removed in the past. There are no incidents associated with this location. **This site is anticipated to present low geoenvironmental impacts to the project.**

9) **Property Name:**
Fast Shoppe 29
4331 Seven Lakes Drive
West End, NC 27376

Facility ID #: 00-0-0000020850
Incident #: 29042

Property Owner:
Brian K Neal and Karen P Neal
1007 Arsenal Ave
Fayetteville, NC 28305

UST Owner: Li'l Thrift Food Marts, Inc.
1007 Arsenal Ave
Fayetteville, NC 28305



This gas station and convenience store is located on the southeastern quadrant of NC 211 and Seven Lakes Drive in West End. According to the UST Section Registry there are three (3) tanks currently in use, and they are located on the north side of the fuel canopy. This site is the location of UST incident #29042, closed out 2012. **This site is anticipated to present low geoenvironmental impacts to the project.**

10) **Property Name:**
Seven Lakes Friendly Mart, Inc.
4219 NC 211
West End, NC 27376

Facility ID #: 00-0-0000023256
Incident #: N/A

Property Owner:
C. S. Davis, Jr, Moore County, LLC and
J. B. Davis, Moore County, LLC

UST Owner: C. S. Davis Jr. Moore County, LLC
3959 NC 200
Concord, NC 28025



This gas station and convenience store is located on the eastern side of the NC 211 in West End, about 1,100 feet northwest of the intersection with Seven Lakes Drive. According to the UST Section Registry there are five (5) tanks currently in use on the site, and they are located on the northwestern side of the fuel canopy. According to NCDEQ's website, there are no UST incidents associated with this location. **This site is anticipated to present low geoenvironmental impacts to the project.**

11) **Property Name:**
“The Garden of Eatin’”
4039 NC 211
West End, NC 27376

Property Owner:
Norris Randall Jessup and Kathy T. Jessup
6633 Brush Creek Rd
Bennett, NC 27208

Facility ID #: N/A
Incident #: N/A

UST Owner: N/A



This abandoned restaurant is located on the northern/eastern side of NC 211 in West End, roughly 300 feet east-southeast of the intersection with Dead Man Curve Road Westbound. This site is closed off with a fence, so a closer inspection of the site was not possible. The NCDEQ’s website show no record of USTs at this location. **This site is anticipated to present low geoenvironmental impacts to the project.**

12) **Property Name:**
"Old White Gas Station"
3525 NC 211
Seven Lakes, NC 27376

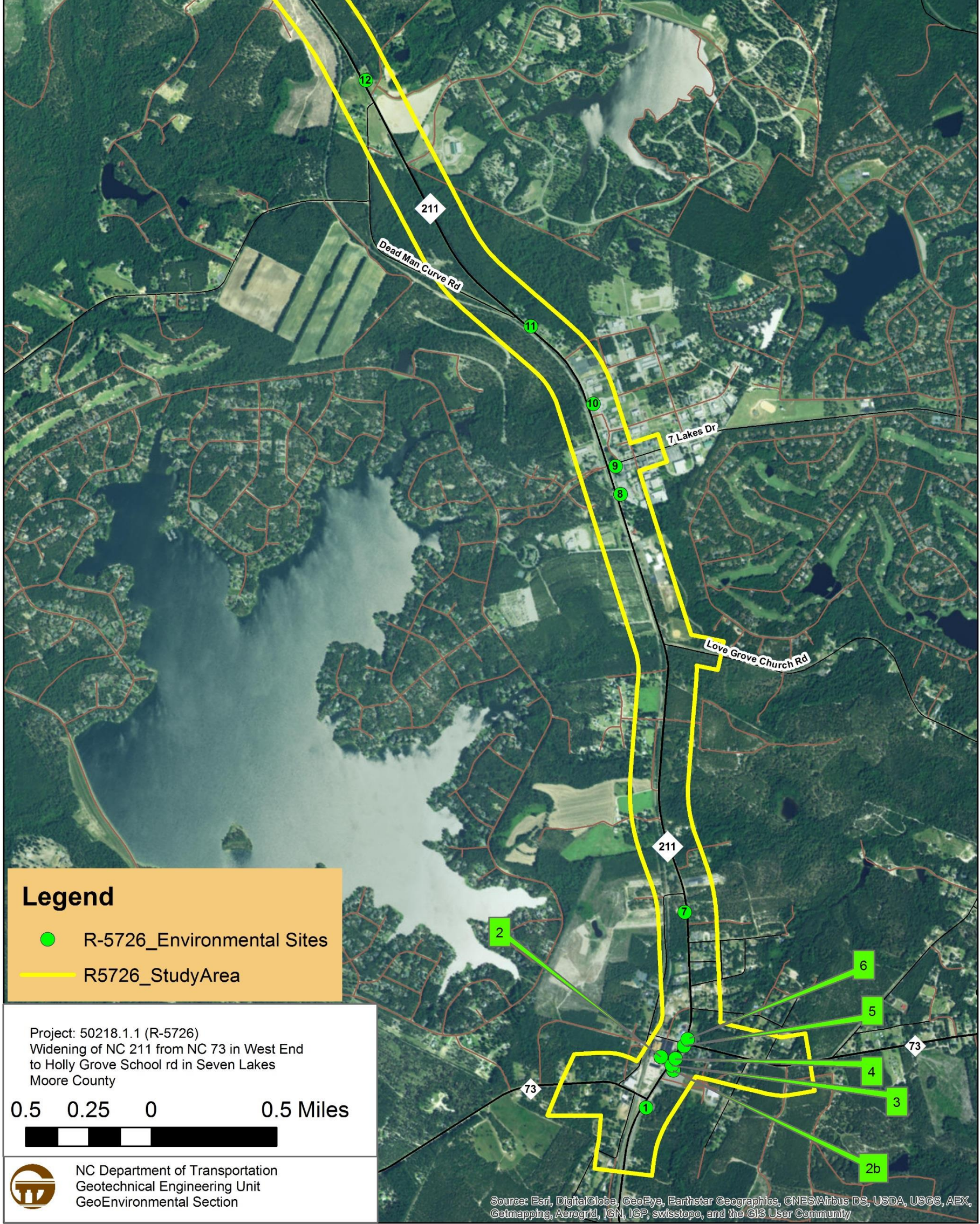
Facility ID #: Not Listed
Incident #: N/A

Property Owner:
John William Carter III and Lee Paisley
PO Box 172
Eagle Springs, NC 27242

UST Owner: Not Listed



Based the remnant features of the UST dispensing system, this site appears to be an abandoned gas station and it is located on the northern/eastern side of NC 211, approximately 450 feet northwest of the intersection with Dead Man Curve Road Eastbound. The NCDEQ's website show no record of USTs at this location, however an old pump island is visible on the southeastern side of the building. **This site is anticipated to present low geoenvironmental impacts to the project.**



Legend

- R-5726_Environmental Sites
- R5726_StudyArea

Project: 50218.1.1 (R-5726)
 Widening of NC 211 from NC 73 in West End
 to Holly Grove School rd in Seven Lakes
 Moore County

0.5 0.25 0 0.5 Miles

NC Department of Transportation
 Geotechnical Engineering Unit
 GeoEnvironmental Section

Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community