



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

PAT MCCRORY
GOVERNOR

ANTHONY J. TATA
SECRETARY

January 29, 2015

MEMORANDUM TO: Tracy Roberts, AICP
Project Development Engineer
Project Development and Environmental Analysis Unit

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

TIP NO: U-4738
WBS: 40114.1.TA1
COUNTY: Brunswick-New Hanover
DIVISION: 3
DESCRIPTION: Cape Fear Crossing From US 17 to US 421 Independence Boulevard-
Carolina Beach Road Intersection

SUBJECT: **GeoEnvironmental Report for Planning**

The GeoEnvironmental Section has completed the GeoEnvironmental Report for Planning. This report has the following components and is transmitted as:

X Hazardous Materials Report (45) pages

Please contact me if you have any questions concerning this project.

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

TELEPHONE: 919-707-6850
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 corridors. GeoEnvironmental Section personnel conducted a field reconnaissance along the above mentioned project corridors on January 14, 2015. A search of appropriate environmental agencies' databases and Sanborn Maps was performed to assist in evaluating sites identified during this study.

Findings

UST Facilities

Based on our study, thirty-one (31) sites may contain petroleum USTs within the project corridors.

Hazardous Waste Sites

One (1) Hazardous Waste Site, a former wood treatment facility, was identified within the project corridors.

Landfills

No apparent landfills were identified within the project corridors.

Other GeoEnvironmental Concerns

Three (3) petroleum storage facilities, two (2) dry cleaning operations, and three (3) automotive repair facilities were identified within the project corridors.

Anticipated Impacts

Thirty-one (31) possible UST facilities, three (3) petroleum storage facilities, (1) wood treatment facility, two (2) dry cleaning operations, and three (3) automotive repair facilities were identified

within the project corridors. We anticipate low to high monetary and scheduling impacts resulting from these sites. (See the following appendix and table for details)

Known and Potential Hazardous Material Sites

1)	Property Name Former D & J Mini Mart 8 Sloan Road Leland, NC 28451	Property Owner: Edward Williamson, et. al. 807 Colonial Drive Wilmington, NC 28403
	Facility ID #: 0-025462 Incident #: 23903	UST Owner: Sampson-Bladen Oil Co., Inc. PO Box 160 Elizabethtown, NC 28337



This former Exxon gas station site (formerly D&J Mini-Mart) is located on the east quadrant of Hazels Branch Road SE and Sloan Road SE intersection. According to the UST Section Registry Three (3) tanks were removed in 2000. Ground Water Incident 23903 was assigned to this facility in 2002. There are monitoring wells present and the site is being monitored. **This site is anticipated to present low geoenvironmental impacts to the project.**

2) **Property Name**
Scotchman 3325
901 South 3rd St
Wilmington, NC 28401

Facility ID #: 0-021405

Incident #: 14965

Property Owner:
RI CS5 LLC
c/o Realty Income Corp
460069
Escondido, CA 92046

UST Owner:
GPM Southeast, LLC
8565 Magellan Parkway, STE 400
Richmond, VA 23227-1172



This Exxon gas station and Scotchman convenience store is located on the southeast quadrant of US 421 (S. 3rd St) and US 76 east bound (Dawson Street) intersection. According to the UST Section Registry there are four (4) tanks currently in use. Ground Water Incident 14965 was assigned to this facility (Shell Minute Man) in 1995. There are monitoring wells present and the site is being monitored. **This site is anticipated to present low goenvironmental impacts to the project.**

- 3) **Property Name**
Office Building
822 South 6th Street
Wilmington, NC 28401
- Property Owner:**
Darryl Brown
Wilmington, NC 28405
- Facility ID #:** N/A



This business is located on the northwest quadrant of US 76 east bound (Dawson Street) and S. 6th Street intersection. There is the possibility that gasoline was dispensed at this location. This site does not appear on the UST Section registry and no evidence of USTs was noted. **This site is anticipated to present low geoenvironmental impacts to the project.**

4) **Property Name**
Closed Shop
511 Dawson Street
Wilmington, NC 28401

Property Owner:
George T. Hawes
1017 S. 4th Street
Wilmington, NC 28401

Facility ID #: N/A



This closed business (possible automotive repair business) is located on the north side of US 76 east bound (Dawson Street) and 160 feet west of S. 6th Street intersection. There is the possibility that gasoline was dispensed at this location. This site does not appear on the UST Section registry and no evidence of USTs was noted. **This site is anticipated to present low geoenvironmental impacts to the project.**

5) **Property Name**
JB's Barber Shop
825 South 6th Street
Wilmington, NC 28401
Facility ID #: N/A

Property Owner:
Sarah F. Grady c/o Lewis Hines, Jr.
Wilmington, NC 28401



This barbershop (and former bar) is located on the northeast quadrant of US 76 east bound (Dawson Street) and S. 6th St intersection. There is the possibility that gasoline was dispensed at this location. This site does not appear on the UST Section registry and no evidence of USTs was noted. **This site is anticipated to present low geoenvironmental impacts to the project.** Bar

- 6) **Property Name**
Former Exxon Gas Station Site
315 Wooster Street
Wilmington, NC 28401
Facility ID #: 0-020189
Incident #: 10031
- Property Owner:**
Pine Ridge Properties
PO Box 4014
Wilmington, NC 28406
UST Owner:
Exxon Corporation
4550 Dacoma, 3rd Floor
Houston, TX 77092



This former gas station site (Exxon #4-3957) is located on the northeast quadrant of US 76 west bound (Wooster Street) and S. 3rd Street intersection. According to the UST Section Registry seven (7) tanks were removed in 1993. Ground Water Incident 10031 was assigned to this facility in 1989. The incident was closed out in 1998. **This site is anticipated to present low geoenvironmental impacts to the project**

7) **Property Name**
Vopak Terminal Wilmington
3340 River Road
Wilmington, NC 28412

Property Owner:
Vopak Terminal Wilmington, Inc.
2759 Battleground Road
Deer Park, TX 77536

NC ID #: NONCD0001697

Facility ID : 0-022172

Incident #: 32468



This petroleum storage facility is located on the west side of River Road and 0.35 miles north of Sunnyvale Drive intersection. This property is listed on the Inactive Hazardous Waste Sites Priority List (NONCD0001697). Exxon Corporation is the responsible party. According to the UST Section Registry three (2) USTs were removed in 2007. Two (2) oil-water separators and one (1) holding tank remain on site. The groundwater is contaminated by petroleum. Ground Water Incident 32468 was assigned to this facility in 1989 for petroleum contamination and the incident is still open. **This site is anticipated to present high geoenvironmental impacts to the project.**

8) **Property Name**
Walmac LLC
3334 River Road
Wilmington, NC 28412

Property Owner:
Walmac LLC
3330 River Road
Wilmington, NC 28412

NC ID #: NCD000772046

UST Owner:
Not Applicable



This petroleum storage facility is located on the west side of River Road and 0.6 miles south of Shipyard Boulevard intersection. This property is listed on the Inactive Hazardous Waste Sites Priority List (NCD000772046). Mobil Oil Company & Koch Refining are the responsible parties. Both soil and groundwater are contaminated by metals and petroleum. **This site is anticipated to present high geoenvironmental impacts to the project.**

9)	Property Name Walmac LLC 3100 River Road Wilmington, NC 28412 NC ID #: NCD000772046	Property Owner: Walmac LLC 3100 River Road Wilmington, NC 28412
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This petroleum storage facility is located on the east side of River Road and 0.6 miles south of Shipyard Boulevard intersection. This property does not appear on any environmental agencies' databases. The adjoining property immediately to the south (Nustar Logistics LP) is listed on the Inactive Hazardous Waste Sites Priority List (NCD040049173). Amoco Oil Company is the responsible party. **This site is anticipated to present high geoenvironmental impacts to the project.**

10)	Property Name Southern Wood Piedmont Company 1500 Front Street Wilmington, NC 28412 NC ID #: NCD058517467	Property Owner: NC Ports Authority 2202 Burnett Boulevard Wilmington, NC 28401
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This industrial lot is located at the western terminus of Greenfield Street between Front Street and the Cape Fear River. This property is listed on the Inactive Hazardous Waste Sites Priority List (NCD058517467) as under a Voluntary Party Remedial Action Administrative Agreement. A total of 16 tons of sediment and soil containing arsenic, chromium, copper, creosote, and chlorophenolics have been removed from the wood preserving site to date. The property was originally a Liberty Ship Shipyard. **This site is anticipated to present medium geoenvironmental impacts to the project.**

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- 11) **Property Name**
Fmr Carolina Beach Coin & Jewelry
3521 Carolina Beach Road
Wilmington, NC 28412
- Property Owner:**
Julian C. Oates
Wilmington, NC 28412
- Facility ID #:** N/A



This closed business is located on the east side of US 421 (Carolina Beach Road) and 0.15 feet south of the Parkway Boulevard intersection. There is the potential that gasoline was dispensed at this location. This site does not appear on the UST Section registry. Evidence of a possible pump island was seen at the front of the property. **This site is anticipated to present low geoenvironmental impacts to the project.**

12) **Property Name**
Closed Business
3526 Carolina Beach Road
Wilmington, NC 28412

Property Owner:
Jackeys Jettison, LLC
306 Ashworth Manor Court
Wilmington, NC 28412

Facility ID #: N/A



This former gas station is located on the west side of US 421 (Carolina Beach Road) and 550 feet south of the Raleigh Street intersection. There is the possibility that gasoline was dispensed at this location. This site does not appear on the UST Section registry and no evidence of USTs was noted. **This site is anticipated to present low geoenvironmental impacts to the project.**

13) **Property Name**
Scotchman 3145
2902 Carolina Beach Road
Wilmington, NC 28412

Facility ID #: 0-026394

Incident #: 20702

Property Owner:
Bermuda Company of Wilmington
Miami, FL 33146

UST Owner:
GPM Southeast, LLC
8565 Magellan Parkway, STE 400
Richmond, VA 23227-1172



This Shell gas station and Scotchman convenience store is located on the southwest quadrant of US 421 (Carolina Beach Road) and Raleigh Street intersection. According to the UST Section Registry there are four (4) tanks currently in use. Ground Water Incident 20702 was assigned to this facility in 1998. The incident was closed out in 2000. **This site is anticipated to present low geoenvironmental impacts to the project.**

14) **Property Name**
Modern Dry Cleaners
2629-33 Carolina Beach Road
Wilmington, NC 28412

DSCA ID #: DC650004

Property Owner:
Jeffrey Zimmer
Zimmer Commercial Properties
111 Princess Street
Wilmington, NC 28401



This active laundromat (former Coastal Dry Cleaners) is located on the east side of US 421 (Carolina Beach Road) and 400 feet south of the Shipyard Boulevard intersection. Dry Cleaning Incident number DC650004 has been assigned to this facility by the NC Division of Waste Management. The solvent plume extends 500 feet to the north, under, and across Shipyard Boulevard. **This site is anticipated to present high geoenvironmental impacts to the project.**

- 15) **Property Name**
CVS Pharmacy
2607 Carolina Beach Road
Wilmington, NC 28412
- Facility ID #:** 0-020183
Incident #: 15716
- Property Owner:**
ZP No. 138 LLC
111 Princess Street
Wilmington, NC 28401
- UST Owner:**
Worsley Companies, Inc.
10 S. Cardinal Drive
Wilmington, NC 28406



This business (formerly Gas World #4 and Scotchman #264) is located on the southeast quadrant of US 421 (Carolina Beach Road) and Shipyard Boulevard intersection. According to the UST Section Registry six (6) tanks were removed in 1998. Ground Water Incident 15716 was assigned to this facility in 1996. There are monitoring and remediation wells present and the site is being actively monitored. **This site is anticipated to present low geoenvironmental impacts to the project.**

- 16) **Property Name**
Tommy's Gas & Snaks 2
2461 Carolina Beach Road
Wilmington, NC 28401
- Facility ID #:** 0-022601
Incident #: 0226
- Property Owner:**
Hobbs & Hobbs, LLC
1332 Castle Hayne Road
Wilmington, NC 28401
- UST Owner:**
W.K. Hobbs, Inc.
1332 Castle Hayne Road
Wilmington, NC 28401-8887



This Coastal Fuels gas station and convenience store is located on the northwest quadrant of US 421 (Carolina Beach Road) and Buckingham Avenue intersection. According to the UST Section Registry there are two (2) tanks currently in use. One (1) diesel AST is located south of the store. Two (2) tanks owned by Carolina Card Lock are also on the property. Ground Water Incident 0226 was assigned to this facility in 1982. There are monitoring wells present (abandoned?) but the incident was closed out in 2001. **This site is anticipated to present low goenvironmental impacts to the project.**

17) **Property Name**
Wilco 398
2395 Carolina Beach Road
Wilmington, NC 28412
Facility ID #: 0-037112

Property Owner:
Wilcohes, LLC
5446 University Pkwy
Winston-Salem, NC 27105-1366
UST Owner:
Wilcohes, LLC
5446 University Pkwy
Winston-Salem, NC 27105-1366



This gas station (formerly Friendly City) and Family Fare convenience store is located on the northeast quadrant of US 421 (Carolina Beach Road) and Medical Center Drive intersection. According to the UST Section Registry there are three (3) tanks currently in use. This is a new gas station. **This site is anticipated to present low geoenvironmental impacts to the project.**

18) **Property Name**
Lovitt Motor Company
2357 Carolina Beach Road
Wilmington, NC 28401

Facility ID #: 0-000937

Incident #: 07034

Property Owner:
T & M Enterprises of Wilmington, LLC
Wilmington, NC 28401

UST Owner:
Mr. Patrick Smith
3825 River Road
Wilmington, NC 28412



This automotive sales business (Formerly Blackwelders Auto Repair) is located on the east side of US 421 (Carolina Beach Road) and 500 feet south of the Hart Street intersection. According to the UST Section Registry four (4) tanks were removed in 1991. Ground Water Incident 07034 was assigned to this facility in 1991. The incident was closed out in 2007. There are monitoring wells still present on site. **This site is anticipated to present low geoenvironmental impacts to the project.**

19) **Property Name**
Gene's Tire Service
2311 Carolina Beach Road
Wilmington, NC 28401

Property Owner:
Glynn & Patricia Hanes
4314 Jonathan Court
Wilmington, NC 28412

Facility ID #: N/A



This automotive tire business is located on the east side of US 421 (Carolina Beach Road) and 150 feet south of the Hart Street intersection. There is the possibility that gasoline was dispensed at this location. This site does not appear on the UST Section registry and no evidence of USTs was noted. **This site is anticipated to present low geoenvironmental impacts to the project.**

20) **Property Name**
Aaron's Custom Exhaust
2305 Carolina Beach Road
Wilmington, NC 28401

Property Owner:
MLDRAD, LLC
306 Ashworth Manor Court
Wilmington, NC 28412

Facility ID #: 0-022139
Incident #: 32312

UST Owner:
Harry Ullom
117 Buccaneer Road
Wilmington, NC 28409



This automotive repair facility (formerly Harry's Amoco) is located on the southeast quadrant of US 421 (Carolina Beach Road) and Hart Street intersection. According to the UST Section Registry four (4) tanks were removed in 2006. Ground Water Incident 32312 was assigned to this facility in 2006 and the incident was closed out the same year. **This site is anticipated to present low geoenvironmental impacts to the project.**

21) **Property Name**
Appliance Service
2235 Carolina Beach Road
Wilmington, NC 28401

DSCA ID #: NA

Property Owner:
Edward & Susan Batson
204 Gregory Road
Wilmington, NC 28405

UST Owner:
M.M. Fowler.
4220 Neal Rd
Durham, NC 27705



This closed laundromat (former Modern Laundry & Cleaners) is located on the east side of US 421 (Carolina Beach Road) and 250 feet south of the Southern Boulevard intersection. The NC Division of Waste Management has identified this property as a former dry cleaning site but no site investigation has been performed to date. **This site is anticipated to present moderate geoenvironmental impacts to the project.**

22) **Property Name**
Expressway
2158 Carolina Beach Road
Wilmington, NC 28401
Facility ID #: 0-001446
Incident #: 14603

Property Owner:
Fadwa Omleh
6 Metzgar Lane
East Stroudsburg, PA 18301
UST Owner:
Crown Central Petroleum Corp.
1 N. Charles Street
Baltimore, MD 21203



This convenience store (Formerly Fast Fare #730 gas station and convenience store) is located on the southwest quadrant of US 421 (Carolina Beach Road) and Southern Boulevard intersection. According to the UST Section Registry eight (8) tanks were removed in 1994. Ground Water Incident 14603 was assigned to this facility in 1994. The incident was closed out in 2003. **This site is anticipated to present low geoenvironmental impacts to the project.**

23) **Property Name**
Former Ewe Electric Company
2083 Carolina Beach Road
Wilmington, NC 28401

Property Owner:
Billy & Barbara King
329 Foxhall Court
Wilmington, NC 28412

Facility ID #: N/A



This closed business is located on the northeast quadrant of US 421 (Carolina Beach Road) and Morningside Drive intersection. There is the possibility that gasoline was dispensed at this location. This site does not appear on the UST Section registry and no evidence of USTs was noted. **This site is anticipated to present low geoenvironmental impacts to the project.** Johnny Barnes

24) **Property Name**
Country Fresh Produce
2069 Carolina Beach Road
Wilmington, NC 28401

Facility ID #: 0-020314

Incident #: 06679

Property Owner:
Fisher Holdings, LLC
1608 Market Street
Wilmington, NC 28401

UST Owner:
Crown Central Petroleum Corp.
1 N. Charles Street
Baltimore, MD 21203



This grocery (formerly Fast Fare #723 gas station and convenience store) is located on the east side of US 421 (Carolina Beach Road) and 100 feet south of the Ivey Circle intersection. According to the UST Section Registry four (4) tanks were removed in 1990. Ground Water Incident 06679 was assigned to this facility in 1995. The incident was closed out in 2005. **This site is anticipated to present low geoenvironmental impacts to the project.**

25) **Property Name**
Pawn South, et. al.
2054-60 Carolina Beach Road
Wilmington, NC 28401

Property Owner:
Fisher Holdings, LLC
1608 Market Street
Wilmington, NC 28401

Facility ID #: N/A



This business plaza is located on the west side of US 421 (Carolina Beach Road) and across from the Ivey Circle intersection. There is the possibility that this location served as a gas station and convenience store. This site does not appear on the UST Section registry and no evidence of USTs was noted. **This site is anticipated to present low geoenvironmental impacts to the project.**

26) **Property Name**
Seashore Discount Drugs
2059 Carolina Beach Road
Wilmington, NC 28401

Property Owner:
Julius & Ruby Howard
740 Red Fox Trail
Hampstead, NC 28443

Facility ID #: N/A



This gas station (formerly Friendly City) and Family Fare convenience store is located on the southeast quadrant of US 421 (Carolina Beach Road) and Ivey Circle intersection. There is the possibility that gasoline was dispensed at this location. This site does not appear on the UST Section registry and no evidence of USTs was noted. **This site is anticipated to present low geoenvironmental impacts to the project.**

27) **Property Name**
CBR Auto Repair & Tires
2039 Carolina Beach Road
Wilmington, NC 28401

Facility ID #: 0-020431

Incident #: 32511

Property Owner:
Ramallah Properties, LLC
3016 Princess Place Drive
Wilmington, NC 28405

UST Owner:
Cannon Oil Co.
2017 Adams Street
Wilmington, NC 28401



This automotive repair facility (formerly Cannon Gas Station-Sunset Auto) is located on the east side of US 421 (Carolina Beach Road) and 160 feet north of the Ivey Circle intersection. According to the UST Section Registry six (6) tanks were removed in 2008. Ground Water Incident 32511 was assigned to this facility in 2001. The incident was closed out in 2009. **This site is anticipated to present low geoenvironmental impacts to the project.**

28) **Property Name**
Port City Taxi
2027 Carolina Beach Road
Wilmington, NC 28401

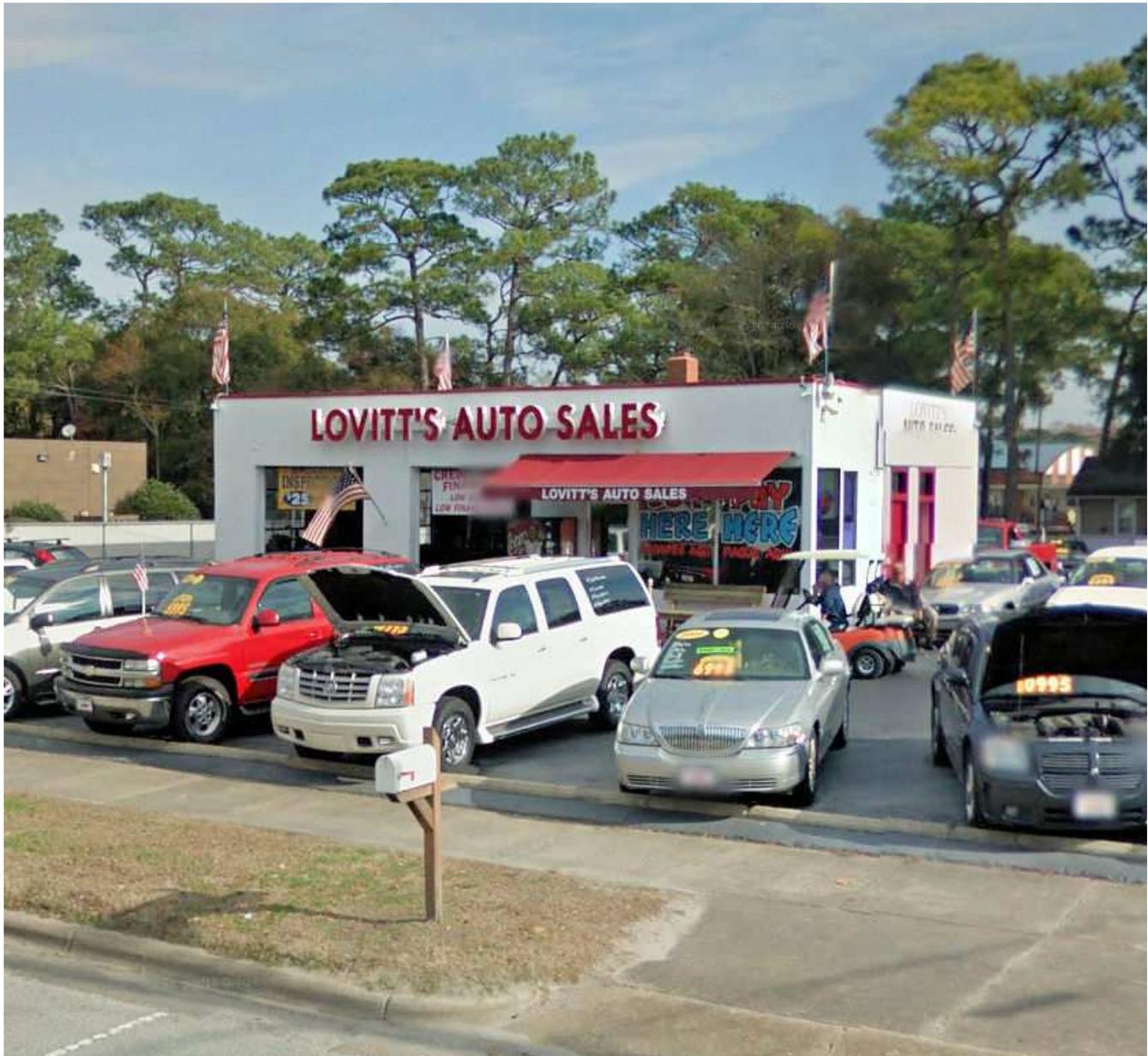
Property Owner:
Hubert Faircloth
Wilmington, NC 28401

Facility ID #: N/A



These taxi and auto sales and repair businesses are located on the east side of US 421 (Carolina Beach Road) and 350 feet north of the Ivey Circle intersection. There is the probability that gasoline was dispensed at this location. This site does not appear on the UST Section registry and no evidence of USTs was noted. **This site is anticipated to present low geoenvironmental impacts to the project.**

- 29) **Property Name**
Lovitt's Auto Sales
1949 Carolina Beach Road
Wilmington, NC 28401
- Property Owner:**
Kenneth R. Lovitt
Wilmington, NC 28401
- Facility ID #:** N/A



This automotive dealership (former gas station) is located on the northeast quadrant of US 421 (Carolina Beach Road) and Alabama Avenue intersection. This business was formerly a gas station. This site does not appear on the UST Section registry. New pavement covered any evidence of USTs or former pump islands. **This site is anticipated to present low geoenvironmental impacts to the project.**

30) **Property Name**
Former Sunset Barber Shop
1956 Carolina Beach Road
Wilmington, NC 28401

Property Owner:
JZJ LLC
Fayetteville, NC 28305

Facility ID #: N/A



This closed business is located on the west side of US 421 (Carolina Beach Road) and across from the Alabama Avenue intersection. There is the possibility that gasoline was dispensed at this location. This site does not appear on the UST Section registry and no evidence of USTs was noted. **This site is anticipated to present low geoenvironmental impacts to the project.**

31) **Property Name**
Sunset Park Food Mart
1921 Carolina Beach Road
Wilmington, NC 28401

Property Owner:
Theodore Hewlett
6917 Masonboro Sound Road
Wilmington, NC 28409

Facility ID #: N/A



This convenience store is located on the east side of US 421 (Carolina Beach Road) 100 feet north of the Tennessee Avenue intersection. There is the possibility that gasoline was dispensed at this location. This site does not appear on the UST Section registry and no evidence of USTs was noted. **This site is anticipated to present low geoenvironmental impacts to the project.**

32) **Property Name**
DMC Motor Company
1901 Carolina Beach Road
Wilmington, NC 28401

Property Owner:
Lovitt Holding Company
1949 Carolina Beach Road
Wilmington, NC 28401

Facility ID #: N/A



This closed business (former gas station?) is located on the southeast quadrant of US 421 (Carolina Beach Road) and North Carolina Avenue intersection. There is the possibility that gasoline was dispensed at this location. This site does not appear on the UST Section registry and no evidence of USTs was noted. **This site is anticipated to present low geoenvironmental impacts to the project.**

- 33) **Property Name**
The Muffler Place-Corky's Auto Sales
1803 Carolina Beach Road
Wilmington, NC 28401
- Property Owner:**
Hansen & Gertrude Matthews
321 Windemere Road
Wilmington, NC 28405
- Facility ID #:** N/A



This automotive sales and repair business (former gas station) is located on the southeast quadrant of US 421 (Carolina Beach Road) and W. Lake Shore Drive intersection. This business was formerly a gas station. This site does not appear on the UST Section registry. Evidence of a pump island was noted. **This site is anticipated to present low geoenvironmental impacts to the project.**

34) **Property Name**
Alman Gifts, et. al.
1802 Carolina Beach Road
Wilmington, NC 28401

Property Owner:
Neal & Leona Shulman
207 Hillsdale Drive
Wilmington, NC 28403

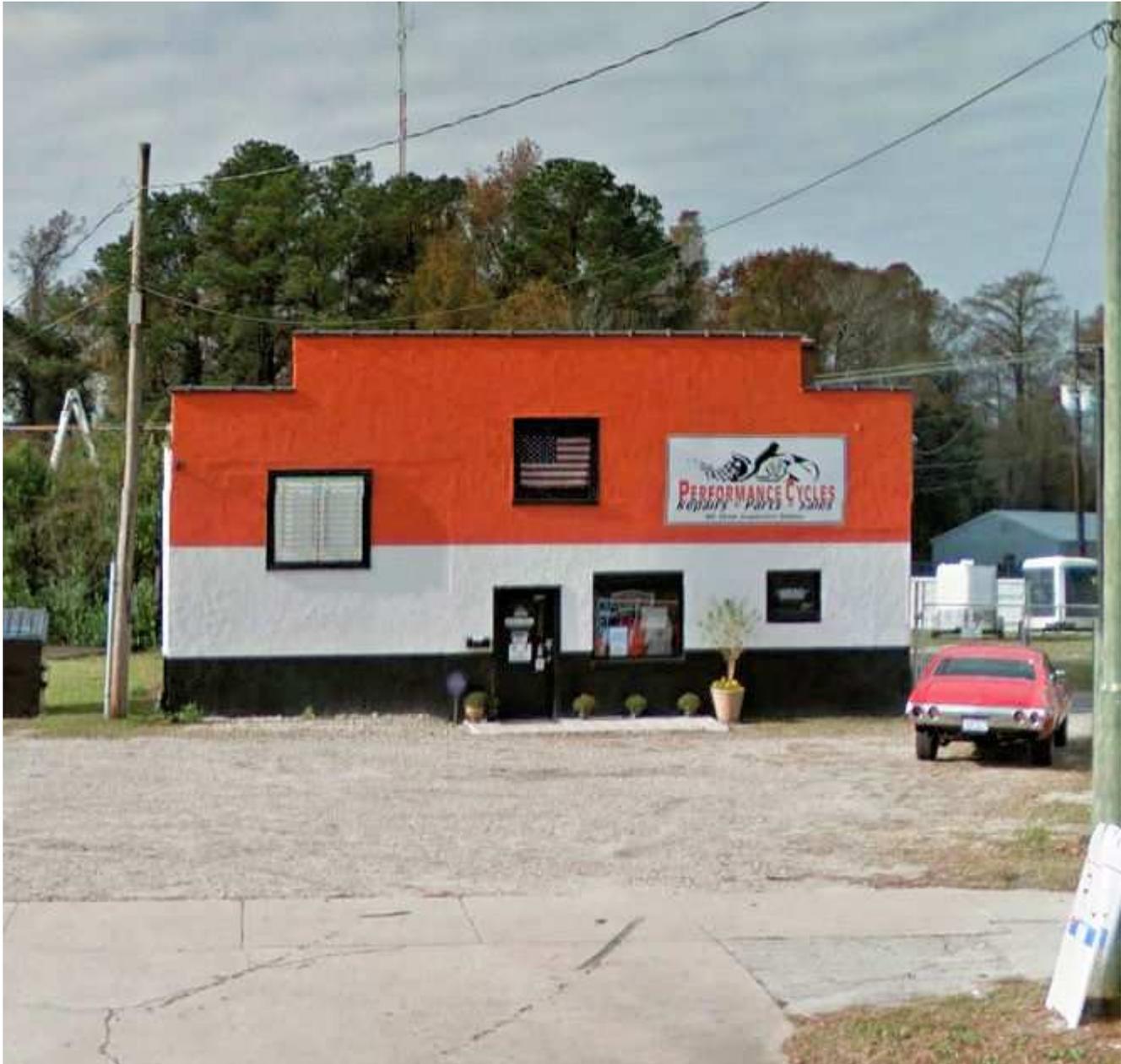
Facility ID #: N/A



These businesses are located on the southwest quadrant of US 421 (Carolina Beach Road) and Kentucky Avenue intersection. There is the possibility that gasoline was dispensed at this location. This site does not appear on the UST Section registry and no evidence of USTs was noted. **This site is anticipated to present low geoenvironmental impacts to the project.**

35) **Property Name**
Performance Cycles
1752 Carolina Beach Road
Wilmington, NC 28401

Property Owner:
Helen L. Reynolds
17 Pelican Point Road
Wilmington, NC 28409



This motorcycle sales and service business is located on the west side of Carolina Beach Road between Kentucky Avenue and the US 421 intersections. There is the possibility that gasoline was dispensed at this location. This site does not appear on the UST Section registry and no evidence of USTs was noted. **This site is anticipated to present low geoenvironmental impacts to the project.**

36) **Property Name**
Han-Dee Hugo's 32
1746 Carolina Beach Road
Wilmington, NC 28401

Facility ID #: 0-020318

Incident #: 18327

Property Owner:

Clark Stores, LLC

PO Box 469

Clinton, NC 28329

UST Owner:

Sampson-Bladen Oil Co., Inc.

PO Box 160

Elizabethtown, NC 28337



This business operates as a Han-Dee Hugo's gas station and convenience store. It is located in the south quadrant of the Burnett Boulevard and the US 421 intersection. According to the UST Section registry three (3) USTs are currently in use. The GeoEnvironmental Section conducted a Preliminary Site Assessment within the right of way along US 421 and Burnett Boulevard in June 2014 as part of the Greenfield Lake Spillway Project (17BP.3.R.28). Thirty-five cubic yards of petroleum contaminated soil was delineated along US 421. **This site is anticipated to present low geoenvironmental impacts to the project.**

37)	Property Name Roy's Carburetor & Tune-Up Service 1740 Burnett Blvd. Wilmington, NC 28401	Property Owner: Roy & Janice Berg 8445 Bald Eagle Lane Wilmington, NC 28411
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This facility currently operates as an automotive repair business. It is located on the west side of Burnett Boulevard and just southwest of the Front Street and US 421 intersection. Tax records show that this structure was built as a service garage in the 1950's. The GeoEnvironmental Section conducted a Preliminary Site Assessment within the right of way along Burnett Boulevard in June 2014 as part of the Greenfield Lake Spillway Project (17BP.3.R.28). Two Hundred and ten (210) cubic yards of petroleum contaminated soil was delineated along the property frontage. **This site is anticipated to present low geoenvironmental impacts to the project.**

38) **Property Name**
Ronnie's Crab Shack
1102 South 3rd Street
Wilmington, NC 28401
Facility ID #: 0-025560

Property Owner:
Other Company, LLC
Wilmington, NC 28412

UST Owner:
American Red Cross
2425 Park Road
Charlotte, NC 28236



This seafood market is located on the southwest quadrant of US 421 (S. 3rd St) and Meares Street intersection. According to the UST Section Registry two (2) tanks owned by the American Red Cross were removed between 1996 and 1999. No ground water incident is associated with this property. **This site is anticipated to present low geoenvironmental impacts to the project.**

39) **Property Name**
S. Grady & Sons Used Tires
1103 South 3rd Street
Wilmington, NC 28401

Property Owner:
Terry & Jeanine Hudson
1958 Prospect Mount Vernon Road
Prospect, OH 43342

Facility ID #: N/A



This used tire and towing business is located on the southeast quadrant of US 421 (S. 3rd Street) and Meares Street intersection. There is the possibility that gasoline was dispensed at this location. This site does not appear on the UST Section registry and no evidence of USTs was noted. **This site is anticipated to present low geoenvironmental impacts to the project.**

40) **Property Name**
Lovitt's Auto Sales
1024 South 3rd Street
Wilmington, NC 28401
Facility ID #: 0-022597

Property Owner:
Phillip & Irene Jeffries
5122 Oriole Drive
Wilmington, NC 28403

UST Owner:
I & J Auto Center
1024 South 3rd Street
Wilmington, NC 28401



This automotive sales and repair business is located on the northwest quadrant of US 421 (S. 3rd St) and Meares Street intersection. According to the UST Section Registry four (4) tanks were abandoned in place (concrete) between 1977 and 1985. No ground water incident is associated with this property. **This site is anticipated to present low geoenvironmental impacts to the project.**

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 919-707-6870.



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

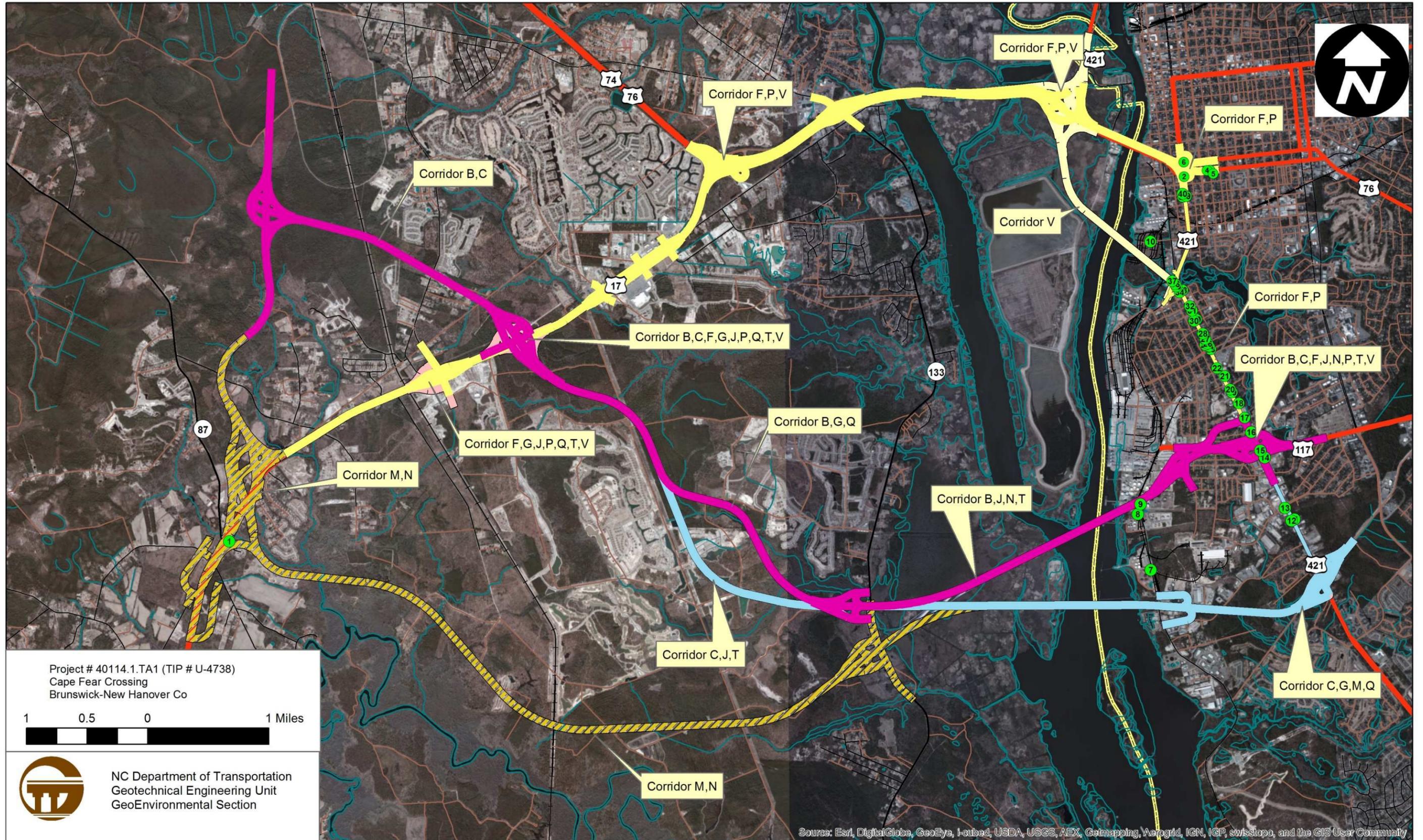
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Appendix A
 Location of USTs, Landfills, & Other Potentially Contaminated Site



Potentially Contaminated Sites Summary Table

Preliminary Corridors	Number of Sites	Anticipated Severity	Potentially Contaminated Properties
Corridor B	6	Low to High	Sites 8, 9, 14 , 15, 16 & 17
Corridor C	5	Low to High	Sites 11, 12, 13, 14 & 15
Corridor F	32	Low to High	Sites 2, 3, 4, 5, 6, 14 , 15, 16, 17, 18, 19, 20, 21 , 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39 & 40
Corridor G	0	None	No Sites
Corridor J	6	Low to High	Sites 8, 9, 14 , 15, 16 & 17
Corridor M Avoidance	6	Low to High	Sites 1, 11, 12, 13, 14 & 15
Corridor N Avoidance	7	Low to High	Sites 1, 8, 9, 14 , 15, 16 & 17
Corridor P	32	Low to High	Sites 2, 3, 4, 5, 6, 14 , 15, 16, 17, 18, 19, 20, 21 , 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39 & 40
Corridor Q	0	None	No Sites

Corridor T	6	Low to High	Sites 8, 9, 14 , 15, 16 & 17
Corridor V	25	Low to High	Sites 10, 14 , 15, 16, 17, 18, 19, 20, 21 , 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36 & 37

Red = High GeoEnvironmental Impacts

Blue = Moderate GeoEnvironmental Impacts