



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

August 15, 2018

MEMORANDUM TO:

Greg S. Purvis, PE
Project Manager
Wetherill Engineering

FROM:

Craig Haden
GeoEnvironmental Project Manager
GeoEnvironmental Section
Geotechnical Engineering Unit

DocuSigned by:

Craig Haden

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TIP NO:

B-5985

WBS:

47749.1.1

COUNTY:

ROBESON

DIVISION

6

DESCRIPTION:

Replace Bridge # 770125 over Lumber River on NC 41/NC 72 &
Replace Bridge # 770175 over Lumber River on SR 1600

SUBJECT:

GeoEnvironmental Planning Report

The GeoEnvironmental Section of the Geotechnical Engineering Unit performed a Phase I field investigation on July 12, 2018 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

Twenty Three (23) 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 919-707-6871.

CC:

John Pilipchuk, LG, PE, State Geotechnical Engineer

Brian Hanks, PE, State Structures Engineer

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

Carl Barclay, PE, State Utilities Manager

Tierre Peterson, PE, Team Leader-PEF Coordination-Structures Management Unit

Rusty Marsh, PE, Division Construction Engineer

Steve D. Kendall, PE, Division Project Development Engineer

Raphael A. Marshall, Division Right of Way Agent

Chris Kreider, PE, Geotechnical Regional Manager

Neil Roberson, LG, Regional Geological Engineer

Steve Grimes, ROW Unit, Negotiations, State Negotiator

hydraulics_notify@ncdot.gov

row-notify@ncdot.gov

roadwaydesign@ncdot.gov

File

(01) Property Name:

Cox Family Automotive
603 W 5th St
Lumberton, NC 28358

Property Owner:

Samuel Cox
PO Box 1948
Lumberton , NC 28359

Facility ID: N/A

Incident Type/Number: N/A

UST Owner:

N/A



(Photo from Google street view) Anticipated Impacts: Low

This site is a currently a used car dealership. It is located on the south side of W 5th St at the fork of W 5th St and W 2nd St. It is the former location of Lumberton Nissan Inc. The facility is not listed in the UST section registry and there are no known incidents associated with it. There are several service bays located on back potion of the building.

(02) Property Name:

Ronnie's Tint & Auto
595 W 5th St
Lumberton, NC 28358

Property Owner:

Huggins Family Properties LLC
300 Connemara Dr.
Cary , NC 27519

Facility ID: Unknown

Incident Type/Number: N/A

UST Owner:

N/A



Anticipated Impacts: Low

This facility currently operates as an auto detail and body shop. It is located in the fork of W 2nd St & W 5th St. The current business (See Site # 3 red brick building) occupies both building on 2 separate parcels. The white brick building is the old gas station where the auto detailing is conducted. There is an outline of an old pump island on the western end of the property and 2 possible UST fill ports. The facility was not identified in the UST registry and there are no known incidents associated with it.

(03) Property Name:

Former Heafner Tire Co
575 W 5th St
Lumberton, NC 28358

Property Owner:

Jerry Michael Townsend
504 Londonderry Dr.
Lumberton , NC 28360

Facility ID: N/A

Incident Type/Number: N/A

UST Owner:

N/A



Anticipated Impacts: Low

Former Hefner Tire Company. Currently part of Ronnie's Tint and Auto (site # 2 White Brick Building). The red brick building is the former Hefner Tire Co, The paint and body shop operates out of this location. This building is located in the fork of W 2nd St and W 5th St directly behind the former gas station. The address is not listed in the UST section registry and there are no know incidents associated with the site.

(04) Property Name:

Robeson Co. Church & Community Center
600 W 5th St
Lumberton, NC 28358

Property Owner:

Robeson Co. Church & Community Center
600 W 5th St
Lumberton , NC 28358

Facility ID: 00-0-0000018764

Incident Type/Number: N/A

UST Owner:

Lumberton Ford Lincoln Mercury
600 W 5th St
Lumberton, NC 28358



Anticipated Impacts: Low

This facility currently operates as a church and community center. It is located on the north side of W 5th St at the intersection with W 2nd St. It is the former location of Lumberton Ford Lincoln Mercury. According to the UST section registry one 500 gallon UST was removed in 1988. There are no known incidents associated with this site.

(05) Property Name:

One Stop Auto Repair & Sales
511 W 2nd St
Lumberton, NC 28358

Property Owner:

John & Leslie Thompson
PO Box 1446
Lumberton , NC 28359

Facility ID: N/A**Incident Type/Number:** N/A**UST Owner:**

N/A

**Anticipated Impacts:** Low

This site operates as an Auto repair and used car dealer. It is located on the south side of W 2nd St approximately 520 feet northwest of NC 41. This business is on two different parcels with different property owners. The western parking lot is on the property owned by the Thompson and the buildings and eastern portion of the parking lot is on the same parcel as the strip mall. The address is not listed in the UST section registry and there are no known incidents associated with it. No Evidence of USTs or monitoring wells were observed during the site investigation.

(06) Property Name:

China King
501 W 2nd St
Lumberton, NC 28358

Property Owner:

Zheng Zheng Xian
510 Cherry Ln
Lumberton , NC 28358

Facility ID: 00-0-0000019090

Incident Type/Number: 21930

UST Owner:

LI'L Thrift Food Marts Inc.
1007 Arsenal Ave
Fayetteville, NC 28305



Anticipated Impacts: Low

This facility currently operates as a Chinese Restaurant. It is the former location of Short Stop 65. It is located in the southwest quadrant of NC 41 and W 2nd St. According to the UST registry two USTs were removed from the Address 502 W 2nd St in 1999. Incident 21930 is associated with the site and is still active. The former pump island outline was visible during the site investigation and several monitor wells were observed.

(07) Property Name:

West Side Barber Shop
301 W 5th St
Lumberton, NC 28358

Property Owner:

Woodberry & Joan Bowen
5101 White Oak Drive
Lumberton , NC 28358

Facility ID: N/A

Incident Type/Number: N/A

UST Owner:

N/A



Anticipated Impacts: Low

There are several businesses in this strip. It is located on south side of W 5th St in the triangle between W 5th St, MLK Jr. Dr. and Lincoln St. The facility is not listed in the UST section registry and there are no known incidents associated with it. No evidence of USTs or monitoring wells were observed during the site investigation. The design and location of the building suggest it may have operated as an auto repair shop or a convenience store/gas station at one time.

(08) Property Name:

Strick's Tire & Auto
203 W 2nd St
Lumberton, NC 28358

Property Owner:

Charles T. & Billy W. Strickland
203 W 2nd St
Lumberton , NC 28358

Facility ID: N/A

Incident Type/Number: N/A

UST Owner:

N/A



Anticipated Impacts: Low

This facility currently operates as an auto repair shop. It is located in the southwest quadrant of W 2nd St and Water St. The facility is not listed in the UST section registry and there are no known incidents associated with it. No evidence of USTs or monitoring wells were observed during the site investigation. One used oil AST was observed in the back of the building.

(09) Property Name:

Vacant Lot
SE Corner of W 2nd St & Water St
Lumberton, NC 28358

Property Owner:

Taylor Insurance Agency Inc.
111 E 3rd St
Lumberton , NC 28358

Facility ID: Unknown

Incident Type/Number: N/A

UST Owner:

N/A



Anticipated Impacts: Low

This site is currently a vacant lot with a concrete foundation. It is located on the southeast quadrant of W 2nd St and Water St. A possible pump island outline was observed during the site investigation. There is no other evidence of USTs and no monitoring wells were observed. The facility is not listed in the UST registry and there are no known incidents associated with it.

(10) Property Name:

Lee's Auto Sales
126 W 2nd St
Lumberton, NC 28358

Property Owner:

Lee Investments of Lumberton
126 W 2nd St
Lumberton , NC 28358

Facility ID: Unknown

Incident Type/Number: 42003

UST Owner:

Robert Holloway
3002 N. Floyd Ave
Lumberton, NC 28358



Anticipated Impacts: Low

This former gas station currently operates as a used car dealer & auto repair shop. It is located in the northeast quadrant of W 2nd St and Water St. The facility is not listed in the UST section registry. Incident 42003 is associated with this facility and is still active. The incident database indicates that four regulated USTs were abandoned in place in 1988. Notice of regulatory requirements (NORR) sent 8/16. A possible fill port was observed near the Southwest corner of the building. Several monitoring wells were observed and appeared to be active.

(11) Property Name:

Loco Prices Auto Sales
103 W 2nd St
Lumberton, NC 28358

Property Owner:

Taylor Insurance Agency Inc.
111 E 3rd St
Lumberton , NC 28358

Facility ID: N/A

Incident Type/Number: N/A

UST Owner:

N/A



Anticipated Impacts: Low

This facility currently operates as a used car dealer and repair shop. It is located on the south side of W 2nd St approximately 180 feet west of Elm St. The facility is not listed in the UST section registry and there are no known incidents associated with it. There is no evidence of USTs and no monitoring wells were observed during the site investigation.

(12) Property Name:

William Taylor Auto Sales
101 W 2nd St
Lumberton, NC 28358

Property Owner:

Taylor Insurance Agency Inc.
111 E 3rd St
Lumberton , NC 28358

Facility ID: N/A

Incident Type/Number: N/A

UST Owner:

N/A



Anticipated Impacts: Low

This facility currently operates as a used car dealer and repair shop. It is located on in the southwest quadrant of W 2nd St and Elm St. The facility is not listed in the UST section registry and there are no known incidents associated with it. There is no evidence of USTs and no monitoring wells were observed during the site investigation.

(13) Property Name:

Former Lumberton Fire Station
104 Elm St
Lumberton, NC 28358

Property Owner:

Burgess Group Consolidated LLC
605 Warsaw Rd
Clinton, NC 28358

Facility ID: N/A

Incident Type/Number: N/A

UST Owner:

N/A



Anticipated Impacts: Low

This facility is the old Lumberton Fire Station. It is located southwest quadrant of 2nd St and Elm St. The facility is not listed in the UST registry and there are no known incidents associated with it. Two unknown valves or possible fill ports were observed in the side walk near the intersection. No other evidence of USTs and no monitoring wells were observed.

(14) Property Name:

City of Lumberton Parking Lot
SE Corner of 2nd & Chestnut
Lumberton, NC 28358

Property Owner:

City of Lumberton
PO Box 1388
Lumberton , NC 28359

Facility ID: 00-0-0000030076

Incident Type/Number: 6455, 29131

UST Owner:

City of Lumberton
PO Box 1388 Attn: Julie Bullock
Lumberton, NC 28359



Anticipated Impacts: Low

This parking lot is the former location of Lloyd's Texaco. According to the UST section registry three USTs were removed in 1990, one UST removed in 1998 and three USTs removed in 2004. There are two incidents associated with this facility. Incident 6455 was closed out in 1998, Incident 29131 closed out in 2004 with notice of Residual Petroleum. UST closure not properly followed by City. Over excavation limited due to natural gas line and sidewalk along 2nd St. No monitoring wells were observed during site investigation.

(15) Property Name:

Miracle Supply Inc.
211-213 E 2nd St
Lumberton, NC 28358

Property Owner:

Marylin Britt
4100 Cricklewood Dr
Lumberton , NC 28358

Facility ID: N/A

Incident Type/Number: N/A

UST Owner:

N/A



Anticipated Impacts: Low

This facility currently operates as a Janitorial wholesale Supply Co. It is located on the north side of E 2nd St approximately 180 feet east of Chestnut St. The facility is not listed in the UST section registry and there are no known incidents associated with it. During the site investigation a possible old pump island outline was observed in front of the building. There is no other evidence of USTs and no monitoring were observed.

(16) Property Name:

Pawn South
215 E 2nd St
Lumberton, NC 28358

Property Owner:

Southeast Properties of Columbus LLC
433 S. Madison St
Whiteville, NC 28472

Facility ID: 00-0-0000027000

Incident Type/Number: N/A

UST Owner:

Mac's of Lumberton Auto Parts
215 E 2nd St
Lumberton, NC 28359



Anticipated Impacts: Low

This facility currently operates as a pawn Shop. It is the former location of Mac's of Lumberton Auto Parts. It is located on the north side of E 2nd St approximately 150 feet west of Walnut St. According to the UST section registry three USTs were removed. The closure date in the registry is incorrect. A possible old pump island outline was observed during the site investigation. No other evidence of USTs and no monitoring wells were observed.

(17) Property Name:

Ride Kleen Detail Shop
221 E 2nd St
Lumberton, NC 28358

Property Owner:

John Cox
804 Carthage Rd
Lumberton , NC 28358

Facility ID: 00-0-0000019563

Incident Type/Number: 29008

UST Owner:

R. D. Capps
507 E 15th St
Lumberton, NC 28358



Anticipated Impacts: Low

This facility currently operates as an auto detail shop. It is the former location of Davis Exxon. It is located in the northwest quadrant of E 2nd St and Walnut St. According to the UST section registry five USTs were removed in 1998. Incident 29008 is associated with this facility and is still active. NORR Sent to property owner 2002. The former pump island is still in place with the pumps removed. No Evidence of USTs and no monitoring wells were observed.

(18) Property Name:

M&M Auto Sales II
302 E 2nd St
Lumberton, NC 28358

Property Owner:

Padrick & Moore Investments LLC
2595 E 5th St
Lumberton , NC 28358

Facility ID: Unknown

Incident Type/Number: N/A

UST Owner:

N/A



Anticipated Impacts: Low

This facility currently operates as a used car dealer and repair shop. It is located in the southeast quadrant of E 2nd St and Walnut St. The facility is not listed on the UST section registry and there are no known incidents associated with it. No USTs or monitoring wells were observed during the site investigation.

(19) Property Name:

Greyhound/ Trailways Bus Station
301 E 2nd St
Lumberton, NC 28358

Property Owner:

AC Properties of Lumberton LLC
5203 Live Oak Ln
Lumberton , NC 28358

Facility ID: N/A

Incident Type/Number: N/A

UST Owner:

N/A



Anticipated Impacts: Low

This facility currently operates as the Greyhound/Trailways bus station. It is located in the northeast quadrant of E 2nd St and Walnut St. The facility is not listed in the UST section registry and there are no known incidents associated with it. No USTs or monitoring wells were observed during the site investigation.

(20) Property Name:

Performance By Mark

309 E 2nd St

Lumberton, NC 28358

Property Owner:

Mark Deal

34 Longleaf Dr

Lumberton , NC 28358

Facility ID: N/A

Incident Type/Number: N/A

UST Owner:

N/A



Anticipated Impacts: Low

This facility currently operates as a motorcycle accessories and repair shop. It is located on north side of E 2nd St approximately 200 feet east of Walnut St. The facility is not listed in the UST section registry and there are no known incidents associated with it. No evidence of USTs and no monitoring wells were observed during the site investigation.

(21) Property Name:

Campbell's Used Cars
209 N. Pine St
Lumberton, NC 28358

Property Owner:

Campbell's Used Cars Inc.
209 N Pine St
Lumberton , NC 28358

Facility ID: 00-0-0000018368

Incident Type/Number: N/A

UST Owner:

Planters Oil Co Inc.
140 Donald Ross Dr.
Pinehurst , NC 28374



Anticipated Impacts: Low

This facility currently operates as a used car dealer and repair shop. It is the former location of Hudson Garage. It is located in the northwest quadrant of E 2nd St and Pine St. According to the UST section registry four USTs were removed in 1988. There are no known incidents associated with it. The property was redeveloped between 2010 and 2013.

(22) Property Name:

Biggs Property
SE Corner of Walnut & 3rd St
306 3rd ST
Lumberton, NC 28358

Property Owner:

K M Biggs Inc.
PO Box 967
Lumberton , NC 28359

Facility ID: 00-0-0000000312

Incident Type/Number: N/A

UST Owner:

T R Driscoll Inc.
11000 Starlite Dr.
Lumberton, NC 28358



Anticipated Impacts: Low

This site is a vacant lot. It is located in the southeast quadrant of N Walnut St and E 3rd St. According to the UST section register one UST was removed in 1974. Two Possible UST fill ports were observed on the southern end of the property approximately 118 feet east of N Walnut St and 120 feet south of E 3rd St. No monitoring wells were observed. There are no known incidents associated with this site.

(23) Property Name:

Southeastern Upholstery
209 N Walnut St
Lumberton, NC 28358

Property Owner:

Southeast Properties of Columbus LLC
433 S. Madison St
Whiteville, NC 28472

Facility ID: N/A

Incident Type/Number: N/A

UST Owner:

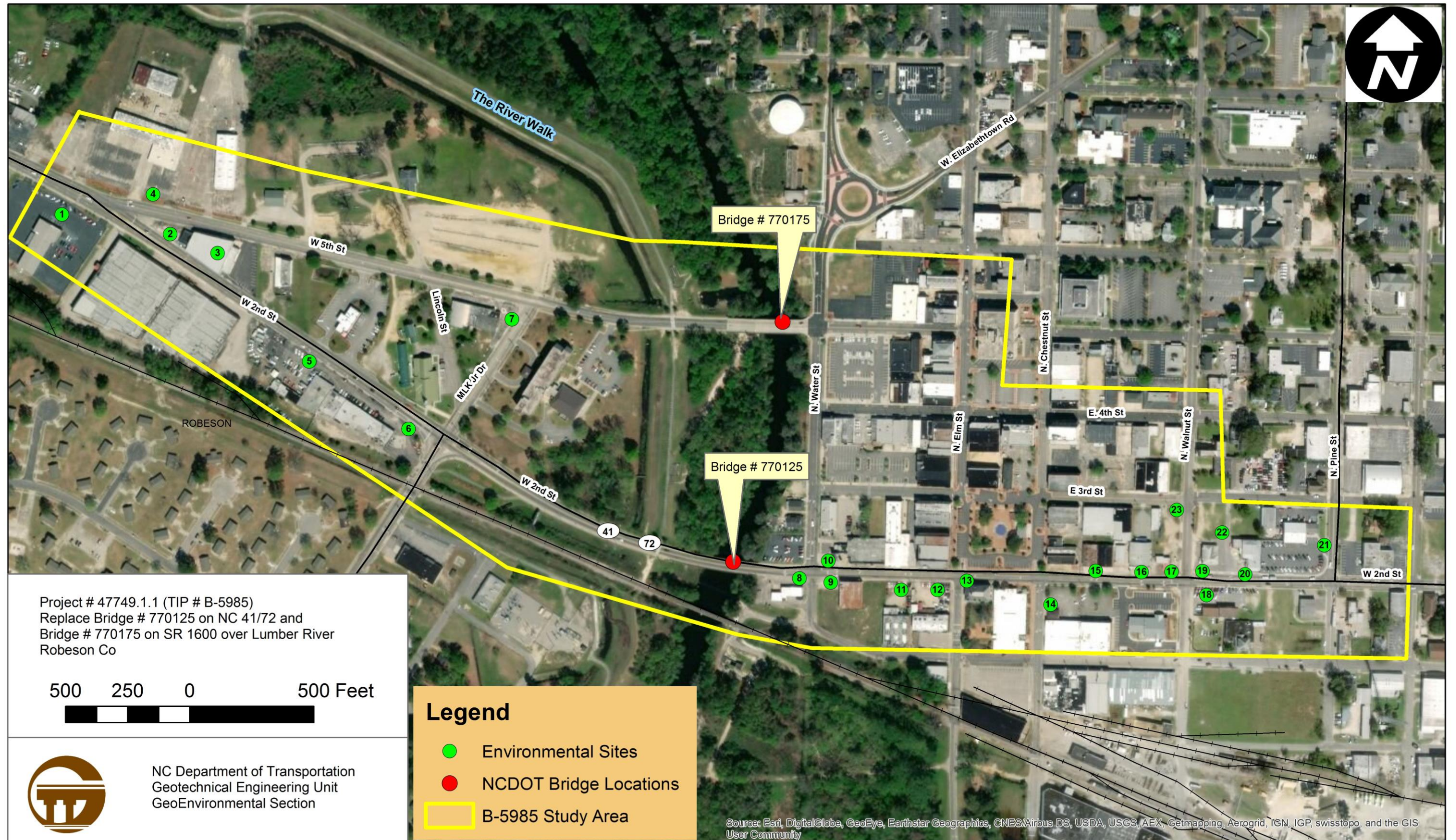
N/A



Anticipated Impacts: Low

This facility operated as an upholstery shop. It is located in the southwest quadrant of N Walnut St and E 3rd St. The facility appeared to be vacant at the time of the site investigation. The facility is not listed in the UST section registry and there are no known incidents associated with it.

Appendix A Location of GeoEnvironmental Sites of Concern



**PROJECT SPECIAL PROVISIONS
GEOENVIRONMENTAL**

CONTAMINATED SOIL (1/27/2023)

The Contractor's attention is directed to the fact that soil contaminated with petroleum hydrocarbon compounds may exist within the project area. Information relating to these contaminated areas, sample locations, and investigation reports will be available at the following web address by navigating to the correct letting year and month then selecting, "Plans and Proposals", "B-5985B", "Individual Sheets/520 GeoEnvironmental":

<http://dotw-xfer01.dot.state.nc.us/dsplan/>

Petroleum contaminated soil may be encountered during any earthwork activities on the project. The Contractor shall only excavate those soils that the Engineer designates necessary to complete a particular task. The Engineer shall determine if soil is contaminated based on areas shown on the plans, petroleum odors, and unusual soil staining. Contaminated soil not required to be excavated is to remain in place and undisturbed. Undisturbed soil shall remain in place, whether contaminated or not. The Contractor shall transport all contaminated soil excavated from the project to a facility licensed to accept contaminated soil.

In the event that a stockpile is needed, the stockpile shall be created within the property boundaries of the source material and in accordance with the Diagram for Temporary Containment and Treatment of Petroleum-Contaminated Soil per North Carolina Department of Environmental Quality's (NCDEQ) Division of Waste Management UST Section GUIDELINES FOR EX SITU PETROLEUM CONTAMINATED SOIL REMEDIATION. If the volume of contaminated material exceeds available space on site, the Contractor shall obtain a permit from the NCDEQ UST Section's Regional Office for off-site temporary storage. The Contractor shall provide copies of disposal manifests completed per the disposal facilities requirements and weigh tickets to the Engineer.

Measurement and Payment:

The quantity of contaminated soil hauled and disposed of shall be the actual number of tons of material, which has been acceptably transported and weighed with certified scales as documented by disposal manifests and weigh tickets. The quantity of contaminated soil, measured as provided above, shall be paid for at the contract unit price per ton for "Hauling and Disposal of Petroleum Contaminated Soil".

The above price and payment shall be full compensation for all work covered by this section, including, but not limited to stockpiling, loading, transportation, weighing, laboratory testing, disposal, equipment, decontamination of equipment, labor, and personal protective equipment.

Payment shall be made under:

Pay Item

Hauling and Disposal of Petroleum Contaminated Soil

Pay Unit

Ton

