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**PROJECT SPECIAL PROVISIONS
GEOENVIRONMENTAL**

CONTAMINATED SOIL (2/16/2022)

The Contractor's attention is directed to the fact that soil contaminated with petroleum hydrocarbon compounds may exist within the project area. The known areas of contamination are indicated on corresponding plans sheets. 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", "I-5987A", "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 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 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.

If groundwater is encountered and dewatering is required in areas of known contamination then the contractor shall containerize the groundwater in vessels provided by the Department. The Department will be responsible for the sampling and disposal of the water. Handling contaminated ground water will be incidental to the project.

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.

I-5987A

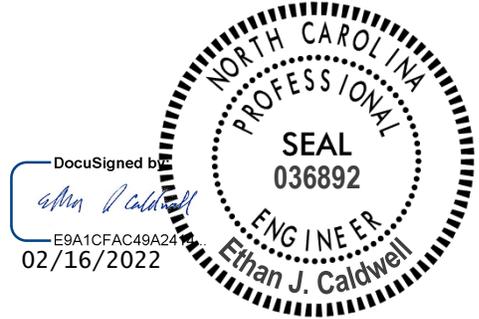
GV-2

Robeson County

Payment shall be made under:

Pay Item
Hauling and Disposal of Petroleum Contaminated Soil

Pay Unit
Ton





STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

April 16, 2019

MEMORANDUM TO: Brian Yamamoto, PE
Senior Project Development Engineer
Calyx Engineers and Consultants

FROM: Craig Haden *Craig Haden*
GeoEnvironmental Project Manager
GeoEnvironmental Section
Geotechnical Engineering Unit

TIP NO: I-5987
WBS: 47533.1.1
COUNTY: ROBESON
DIVISION: 6
DESCRIPTION: I-95 from N. Roberts Avenue/NC 211(exit 20) in Robeson Co to I-95 Business/US 301 (Exit 40) in Cumberland Co.

SUBJECT: **Revised GeoEnvironmental Phase I Report**

The GeoEnvironmental Section of the Geotechnical Engineering Unit originally performed a Phase I field investigation on December 6, 2018 (report date January 3, 2019) for the above referenced project to identify geoenvironmental sites of concern. The study area was expanded to Exit # 20 and the project was reinvestigated on March 13, 2019. 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-four (24) 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.

Mailing Address:
NC DEPARTMENT OF TRANSPORTATION
GEOTECHNICAL ENGINEERING UNIT
1589 MAIL SERVICE CENTER
RALEIGH, NC 27699-1589

Telephone: (919) 707-6850
Customer Service: 1-877-368-4968

Website: www.ncdot.gov

Location:
1020 BIRCH RIDGE DRIVE
RALEIGH, NC 27610

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Brad Bass, ROW Unit, Negotiations, Area Negotiator Divisions 4 & 6

row-notify@ncdot.gov

roadwaydesign@ncdot.gov

hydraulics_notify@ncdot.gov

(01) Property Name:

Starbucks
5084 Kahn Dr
Lumberton, NC 28358

Property Owner:

NLP Lumberton LLC
1124 Park West Blvd
STE 101
Mount Pleasant, SC 29466

Facility ID: 00-0-0000026142

Incident Type/Number: 17463, 29475

UST Owner:

Sampson -Bladen Oil Co
PO Box 469
932 US 421 N
Clinton, NC 28328



Photo from Google Street View

Anticipated Impacts: Low

This site is a small business complex with 3 businesses (Urgent Care, Firehouse subs, and Starbucks) it is located on the east side Kahn Dr just south of Fayetteville Rd. It is the former location of Holiday BP. According to the UST section registry four USTs were removed in 1997. Incident #'s 17463 and 29475 are associated with this facility and both were closed in 2007. This site was identified as site # 2 in the January 2005 I-4413 GeoEnvironmental GIE Report.

(02) Property Name:

Sam's Club 4945
5085 Dawn Dr
Lumberton, NC 28358

Property Owner:

David Goode/Susan G. Batten
3300 Sharon Rd
Charlotte, NC 28211

Facility ID: 00-0-0000036774

Incident Type/Number: N/A

UST Owner:

Sam's Est Inc
702 SW 8th St
Bentonville, AR 72716



Photo from Google Street View

Anticipated Impacts: Low

This site is the former location of Sam's Club 4945. The business is currently vacant. It is located on the west side of Dawn Dr just south of Fayetteville Rd. According to the UST section registry there are four (4) USTs currently in use. It is possible the tanks have been removed within the last year. During the site investigation there was no canopy and no evidence of the USTs.

(03) Property Name:

Lumberton Honda
301 Wintergreen DR
Lumberton, NC 28358

Property Owner:

Doherty Holdings LLC
2925 Mall Hill Dr
Lakeland, FL 33810

Facility ID: N/A

Incident Type/Number: N/A

UST Owner:

N/A



Anticipated Impacts: Low

This site currently operates as a new car dealership and service center. It is located at the dead end of Wintergreen Dr. The address is not listed in the UST section registry and there are no known incidents associated with it.

(04) Property Name:

Vacant Lot
US E/S 301 & W/S I 95
Lumberton, NC 28358

Property Owner:

Mary & Roscoe Burnett Trustee
460 Culbreth Rd
Lumber Bridge, NC 28357

Facility ID: N/A

Incident Type/Number: N/A

UST Owner:

N/A



Anticipated Impacts: Low

This site is currently a vacant lot. It is located on the southeast side of US 301 at the I-95 South ramp. There is no physical address listed for this property. It is possible this was a gas station or repair shop at one time. There was no evidence of any USTs and no monitoring were observed during the site investigation.

(05) Property Name:

Sun-Do Magnolia
11775 US 301
Lumberton, NC 28358

Property Owner:

Sonny Oliver Realty Co
PO Box 1266
Lumberton, NC 28358

Facility ID: 00-0-0000036389

Incident Type/Number: N/A

UST Owner:

Oliver Oil Co
PO Box 1266
Lumberton, NC 28359



Anticipated Impacts: Low

This site is an active convenience store/gas station. It is located on the northwest side of US 301 at the I 95 North ramp. According to the UST section registry there six (6) UST currently in use. There are no known incidents associated with it.

(06) Property Name:

Quick Save 1
941 W. Broad St
Saint Pauls, NC 28384

Property Owner:

Alhobishi Convenience Stores & Rentals Inc.
411 N Wilkinson Dr
Saint Pauls, NC 28384

Facility ID: 00-0-0000019739

Incident Type/Number: 7768

UST Owner:

Alhobishi Convenience Stores & Rentals Inc.
19369 Hwy 301 N
Saint Pauls, NC 28384



Anticipated Impacts: Low

This site is currently an active convenience store/gas station. It is located on the southeast quadrant of W. Broad St and I-95. According to the UST section registry there are three (3) current USTs, one temporarily closed, one (1) UST removed in 1987 and one (1) UST removed in 1998. Incident # 7768 is associated with this facility and was closed out in 2011. There were several monitoring wells observed during the site investigation.

(07) Property Name:

Circle K 2723779
921 W. Broad St
Saint Pauls, NC 28384

Property Owner:

Tom Keith
121 S. Cool Spring St
Fayetteville, NC 28301

Facility ID: 00-0-0000035923

Incident Type/Number: N/A

UST Owner:

Circle K Stores Inc.
2550 W. Tyvola Rd
STE 200
Charlotte, NC 28217



Anticipated Impacts: Low

This site is currently an active gas station. It is located on the south side of W. Broad St approximately 200 feet west of S. Odem St. According to the UST section registry there are two (2) USTs currently in use. There are no known incidents associated with this facility. No monitoring wells were observed during the site visit.

(08) Property Name:

Happy Mart 3
902 W. Broad St
Saint Pauls, NC 28384

Property Owner:

Alhobishi Convenience Stores & Rentals Inc.
PO Box 807
Saint Pauls, NC 28384

Facility ID: 00-0-0000033200

Incident Type/Number: N/A

UST Owner:

Alhobishi Convenience Stores & Rentals Inc.
19369 Hwy 301 N
Saint Pauls, NC 28384



Anticipated Impacts: Low

This site is currently an active convenience store/gas station. It is located on the north side of W. Broad St across from S. Odem Rd. According to the UST section registry there are three (3) USTs currently in use. There are no known incidents associated with it.

(09) Property Name:

Poco Shop 2
940 W. Broad St
Saint Pauls, NC 28384

Property Owner:

RSAP of Raeford LLC
7509 Phillipi Church Rd
Raeford, NC 28376

Facility ID: 00-0-0000019204

Incident Type/Number: 29797

UST Owner:

RSAP of Raeford LLC
7590 Philip Church Rd
Raeford, NC 28376



Anticipated Impacts: Low

This site is currently an active convenience store/gas station. It is located on the northwest quadrant of W. Broad St and N. Sanford St. According to the UST section registry there are seven (7) USTs currently in use. Incident 29797 is associated with this facility and is still active. Several monitoring wells were observed during the site investigation.

(10) Property Name:
Volvo Truck Sales & Service
100 N Sanford St
Saint Pauls, NC 28384

Property Owner:
TJMK LLC
306 Pineview Dr
Kernersville, NC 27284

Facility ID: N/A
Incident Type/Number: N/A

UST Owner:
N/A



Anticipated Impacts: Low

This site currently operates as a truck sales and service shop. It is located at the dead end of N. Sanford St approximately 600 feet north of W. Broad St. The address is not listed in the UST section registry and there are no known incidents associated with it. There is one (1) used oil AST located on the southeast corner of the building.

(11) Property Name:

Minute Man food Mart
1038 W. Broad St
Saint Pauls, NC 28384

Property Owner:

Jessie Tolar
150 Belair Dr
Pinehurst, NC 28374

Facility ID: 00-0-0000034494

Incident Type/Number: 42038

UST Owner:

Red Springs Fuel Oil Co Inc.
PO Box 827/West Fourth Ave
Red Springs, NC 28377



Anticipated Impacts: Low

This site is currently an active convenience store/gas station. It is located on the north side of W. Broad St just west of I 95. The facility is listed as Exxon Shop 6 in the UST registry. According to the UST section registry there are four (4) USTs currently in use. Incident # 42038 is associated with this facility and is still active. Several monitoring wells were observed during the site investigation.

(12) Property Name:

Taco Bell
1058 W. Broad St
Saint Pauls, NC 28384

Property Owner:

National Retail Properties< LP
450 S. Orange Ave
Orlando, FL 32801

Facility ID: 00-0-0000018081

Incident Type/Number: 10924

UST Owner:

McMillan-Shuler Oil Co, Inc.
708 S. Winslow St
Fayetteville, NC 28306



Photo from Google Street View

Anticipated Impacts: Low

This site is currently a Taco Bell restaurant. It is located on the north side of W. Broad St approximately 670 feet west of I-95. According to the UST section registry three (3) USTs were removed in 1993 and one (1) UST removed in 1995. Incident # 10924 is associated with this facility and was closed out in 1995. The restaurant was built on part of the property between 2008 and 2010. There appeared to be a former pump island still present on the undeveloped portion of the property. There was no other evidence of USTs and no monitoring wells were observed during the site investigation.

(13) Property Name:

Happy Mart 5
19369 US 301
Saint Pauls, NC 28384

Property Owner:

Alhobishi Convenience Stores & Rentals Inc.
PO Box 807
Saint Pauls, NC 28384

Facility ID: 00-0-0000028342

Incident Type/Number: 29548

UST Owner:

Alhobishi Convenience Stores & Rentals Inc.
19369 Hwy 301 N
Saint Pauls, NC 28384



Anticipated Impacts: Low

This site currently operates as a convenience store/gas station. It is located on the west side of US 301 just south of I-95. According to the UST section there are four (4) USTs currently in use. Incident # 29548 is associated with this facility and was closed out in 2010. No monitoring wells were observed during the site investigation.

(14) Property Name:

Pit Stop
6283 US 301
Hope Mills, NC 28348

Property Owner:

Pit Stop 301 Express LLC
6283 US 301
Hope Mills, NC 28348

Facility ID: 00-0-0000034183

Incident Type/Number: 14119, 29195

UST Owner:

Gamil N. Aldalali
6283 US 301
Hope Mills, NC 28348



Photo from Google Street View

Anticipated Impacts: Low

This site is an active convenience store/gas station. It is located on the northeast quadrant of US 301 and Roslin Farm Rd. According to the UST section registry there are two (2) USTs currently in use. Two (2) USTs were removed in 2005. Incidents #'s 14119 & 29195 are associated with this facility and both are still active.

(15) Property Name:

Wilson Trucking
5861 US 301
Hope Mills, NC 28348

Property Owner:

Wilson Trucking Corp.
PO Box 200
Fishersville, VA 22939

Facility ID: N/A

Incident Type/Number: 13434

UST Owner:

N/A

N/A



Photo from Google Street View

Anticipated Impacts: Low

This site currently operates as Wilson Trucking Company. It is located on the east side of US 301 approximately 300 feet south of Shipman Rd. There are two (2) AST currently in use. The address is not listed in the UST section registry. Incident # 13434 may be associated with this site under Carolina Freight Carriers Corp and was closed out in 1995.

(16) Property Name:

Cresco Truck Line
5866 US 301
Hope Mills, NC 28348

Property Owner:

Stranczek Equities
15220 S. Halstead
Harvey, IL 60426

Facility ID: N/A

Incident Type/Number: N/A

UST Owner:

N/A

N/A



Photo from Google Street View

Anticipated Impacts: Low

This site currently operates as Cresco Truck Line. It is located on the southwest quadrant of US 301 and Shipman Rd. The address is not listed in the UST section registry and there are no known incidents associated with it.

(17) Property Name:

Cain's Truck Service
5752 Shipman Rd
Hope Mills, NC 28348

Property Owner:

Milwell LLC
5752 Shipman Rd
Hope Mills, NC 28348

Facility ID: N/A

Incident Type/Number: N/A

UST Owner:

N/A



Photo from Google Street View

Anticipated Impacts: Low

This site currently operates as a truck repair shop. It is located on the west side of Shipman Rd approximately 1650 feet south of Woodington Rd. The address is not listed in the UST section registry and there are no known incidents associated with it.

(18) Property Name:
Gregory Poole Equipment
5633 US 301
Hope Mills, NC 28348

Property Owner:
Gregory Poole Equipment Co.
PO Box 469
Raleigh, NC 27602

Facility ID: N/A
Incident Type/Number: N/A

UST Owner:
N/A



Photo from Google Street View

Anticipated Impacts: Low

This site currently operates as a Heavy equipment rental and repair facility. It is located on the east side of the US 301 service Rd approximately 2700 feet south of NC 59. The address is not listed in the UST section registry and there are no known incidents associated with it.

(19) Property Name:

FedEx Freight
5452 Shipman Rd
Hope Mills, NC 28348

Property Owner:

FedEx Freight System Inc. C/O Burke & Asso.
LLC
3336 E 32nd St
Tulsa, OK 28348

Facility ID: 00-0-0000012201

Incident Type/Number: 9169

UST Owner:

Thurston Motor Lines
PO Box 3137
Peachtree City, GA 30269



Photo from 2013 Report

Anticipated Impacts: Low

This site currently operates as FedEx Freight. It is the former location of Bestway Express, a Division of Thurston Motor Lines. It is located on the west side of Shipman Rd approximately 1500 feet south of NC 59. According to the UST section registry two (2) USTs were removed in 1992. Incident # 9169 is associated with the site and was closed out in 1995. This site is identified as site # 5 in the June 2013 B-4491 Haz Mat report.

(20) Property Name:

Circle K 2723050
327 Chicken Foot Rd
Hope Mills, NC 28348

Property Owner:

Lamar Investments LLC C/O Circle K stores Inc
PO Box 52085
Phoenix, AZ 85072

Facility ID: 00-0-0000034069

Incident Type/Number: N/A

UST Owner:

Circle K Stores Inc.
2550 W. Tyvola Rd
Charlotte , NC 28217



Photo from 2013 Report

Anticipated Impacts: Low

This site is currently an active convenience store/gas station. It is located on the northwest quadrant of Chicken Foot Rd and Maracco Dr. According to the UST section registry there are three (3) USTs currently in use. There are no known incidents associated with it. This site is identified as site # 2 in the June 2013 B-4491 Haz Mat report.

(21) Property Name:

Circle K 2723046
674 Chicken Foot Rd
Hope Mills, NC 28348

Property Owner:

AOM Investments LLC
PO Box 361
Fayetteville, NC 28302

Facility ID: 00-0-0000032055

Incident Type/Number: N/A

UST Owner:

Circle K Stores Inc.
2550 W. Tyvola Rd
Charlotte, NC 28217



Photo from Google Street View

Anticipated Impacts: Low

This site is currently an active convenience store /gas station. It is located on the west side of Chicken Foot Rd approximately 250 feet south of Corporation Dr. According to the UST section registry there are three (3) USTs currently in use. There are no known incidents associated with it.

(22) Property Name:

Minuteman Food Mart # 39
2801 Roberts Ave
Lumberton, NC 28358

Property Owner:

RSO Holdings, LLC
PO Box 637
Elizabethtown, NC 28337

Facility ID: 00-0-0000018177

00-2-0000018177

Incident Type/Number: 13344, 42045

UST Owner:

Five Star Propane, LLC

PO Box 637

Elizabethtown, NC 28337



Anticipated Impacts: Low

This site is currently an active convenience store /gas station. It is located on the southwest quadrant of N. Roberts Ave (NC 211) and N. Rowland Rd at the I 95 northbound exit ramp. According to the UST section registry there are four (4) USTs currently in use. Four USTs were removed in 1995 under the previous facility (Exxon 43708). There are two (2) incidents associated with this facility. Incident # 13344 was closed out in 1998. Incident # 42045 is still active. One monitoring and recovery vault were observed during the site investigation.

(23) Property Name:

Tanglewood Liberty
2759 Roberts Ave
Lumberton, NC 28358

Property Owner:

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

Facility ID: 00-0-0000018370

Incident Type/Number: N/A

UST Owner:

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



Anticipated Impacts: Low

This site is currently an active convenience store /gas station. It is located on the southeast quadrant of N. Roberts Ave (NC 211) and N. Rowland Ave. According to the UST section registry there are four (4) USTs currently in use. There are no known incidents associated with it. Several abandoned monitoring wells were observed during the site investigation.

(24) Property Name:

T&S Cruzerz LLC
2760 Roberts Ave
Lumberton, NC 28358

Property Owner:

Champions Properties, Inc.
PO Box 789
Cary, NC 27518

Facility ID: 00-0-0000002430

Incident Type/Number: 9935

UST Owner:

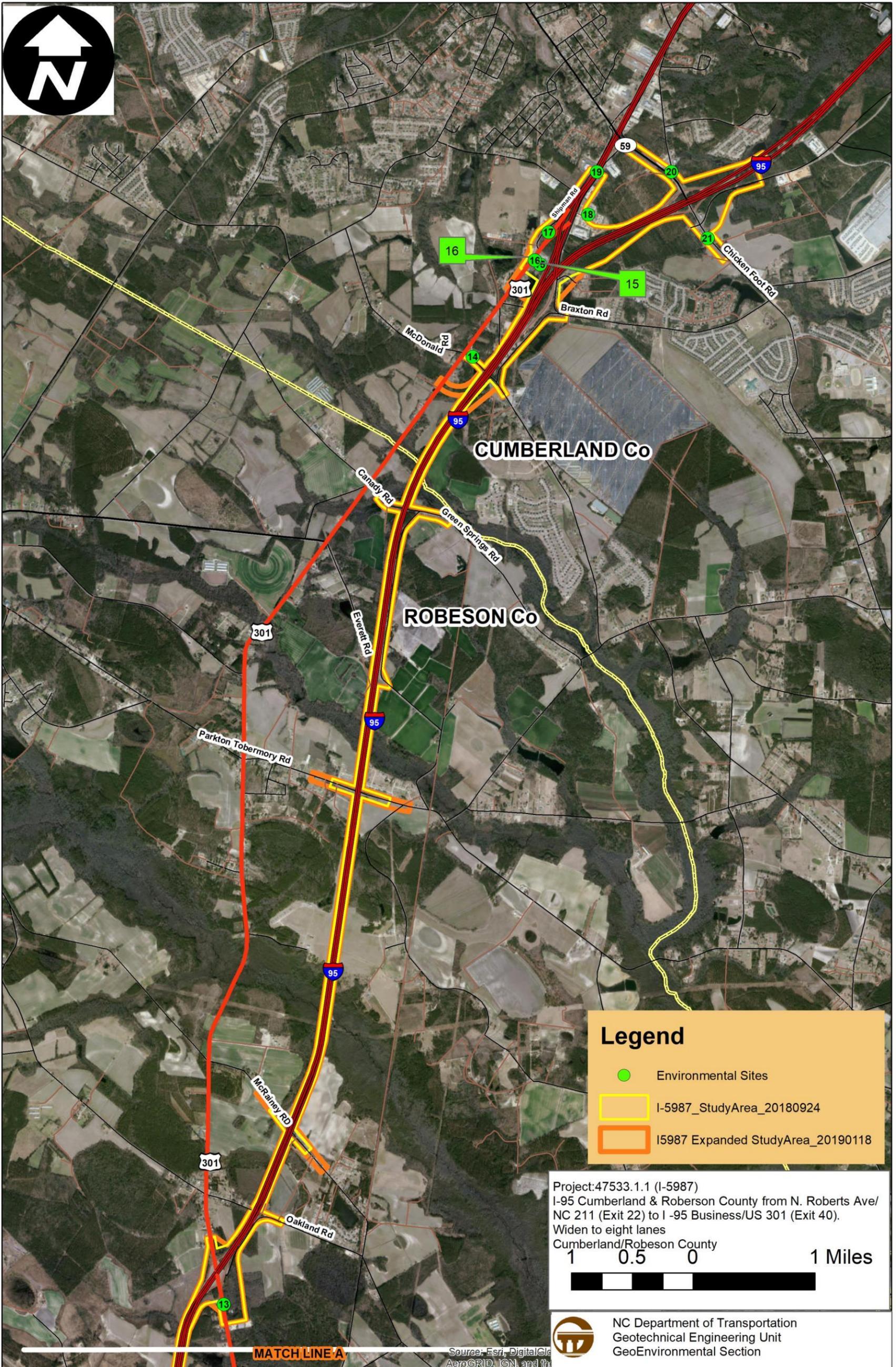
Champions Properties, Inc
805 Cricketfield Ln
Cary, NC 27518



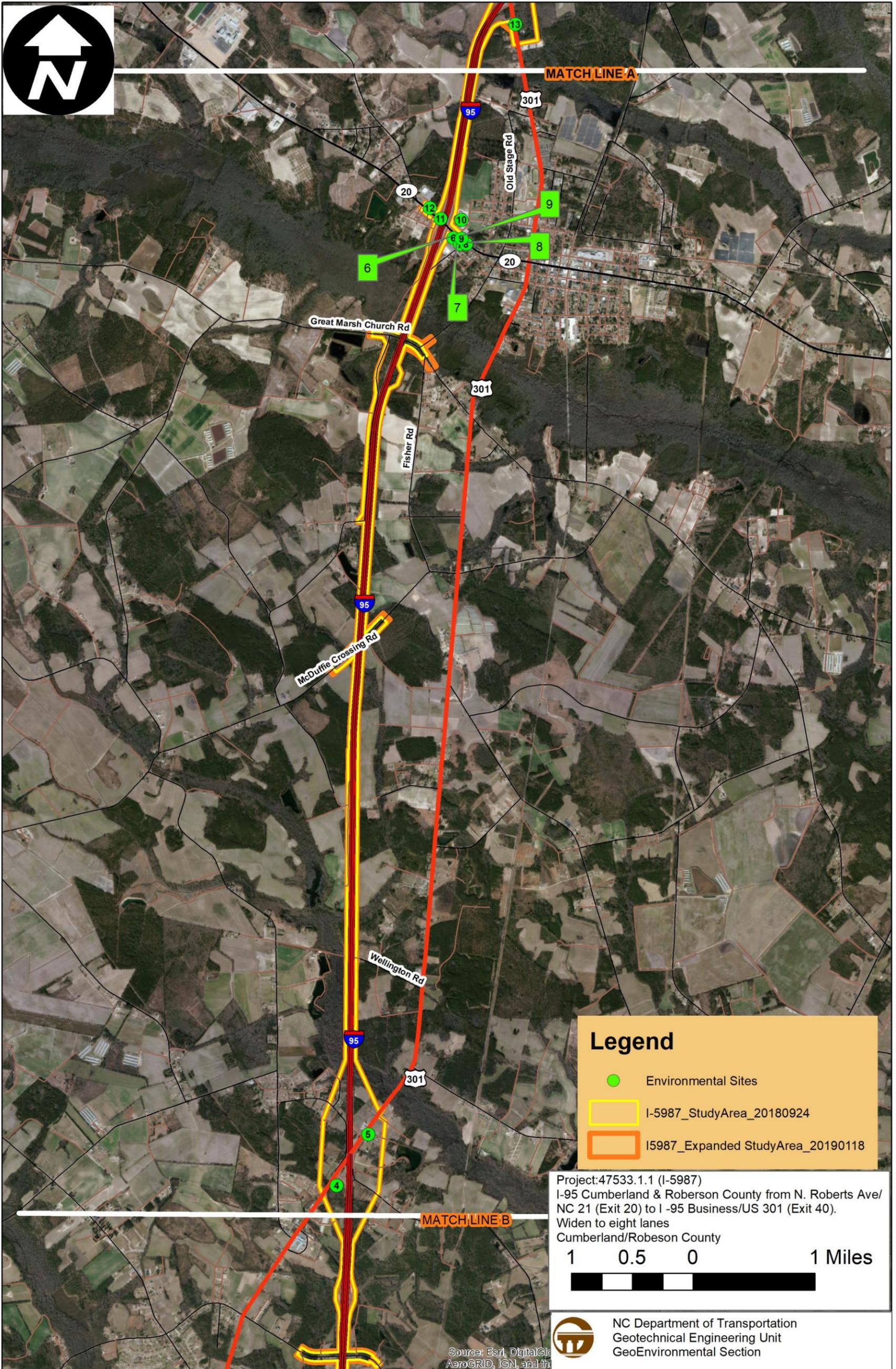
Anticipated Impacts: Low

This site is currently an active convenience store /gas station. It is located on the north side of N. Roberts Ave across from N. Rowland Ave. According to the UST section registry there are four (4) USTs currently in use. Incident # 9935 is associated with this site and was closed out in 2003. There were several monitoring wells observed during the site investigation. Some (not all) of the wells appeared to be abandoned.

Map 1 of 3
 Location of GeoEnvironmental Sites of Concern



Map 2 of 3
 Location of GeoEnvironmental Sites of Concern



Legend

- Environmental Sites
- I-5987_StudyArea_20180924
- I5987_Expanded StudyArea_20190118

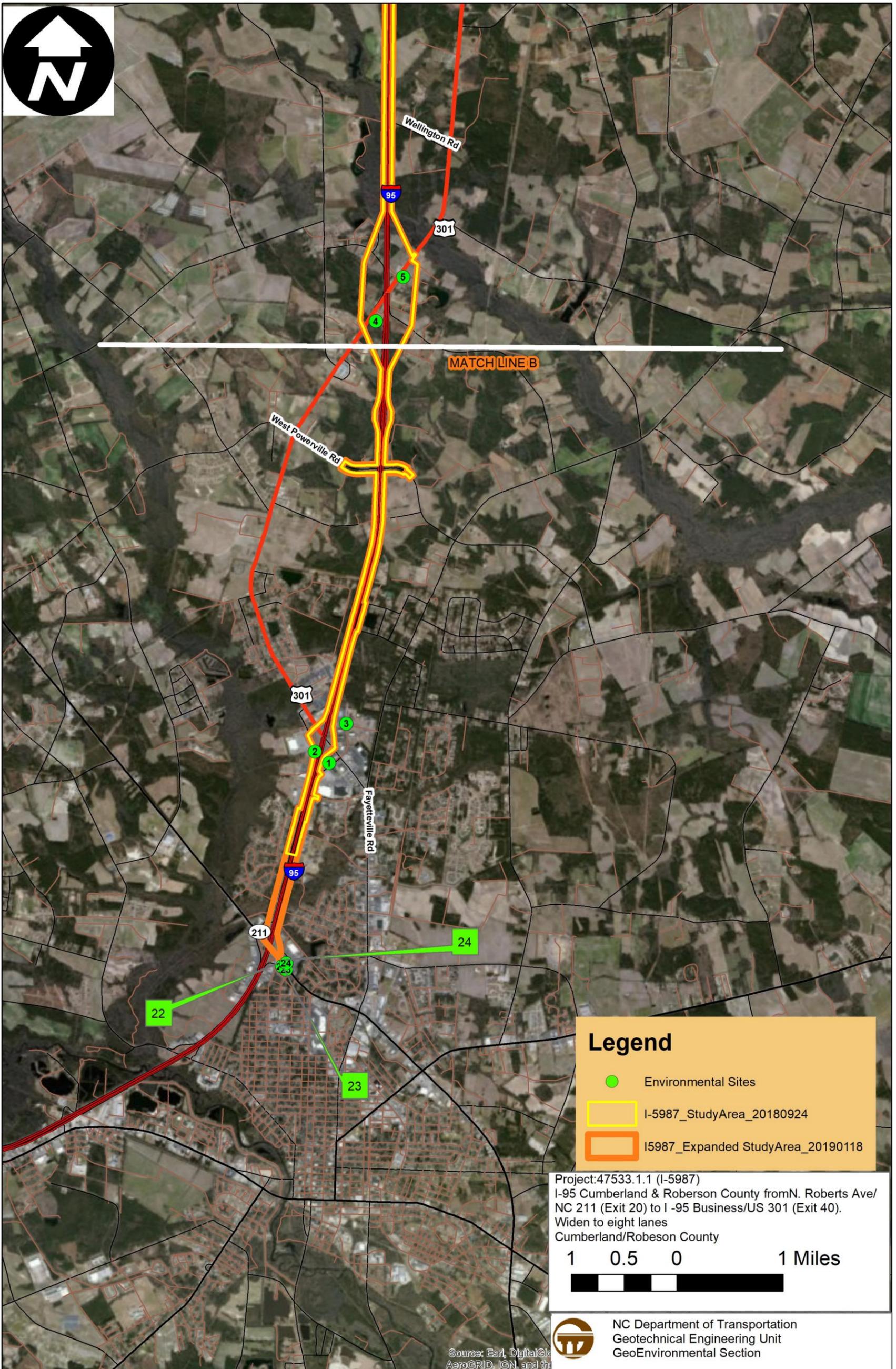
Project: 47533.1.1 (I-5987)
 I-95 Cumberland & Roberson County from N. Roberts Ave/
 NC 21 (Exit 20) to I-95 Business/US 301 (Exit 40).
 Widen to eight lanes
 Cumberland/Robeson County

1 0.5 0 1 Miles

NC Department of Transportation
 Geotechnical Engineering Unit
 GeoEnvironmental Section

Source: Esri, DigitalGlobe, GeoEye, AeroGRID, IGN, and the

Map 3 of 3
Location of GeoEnvironmental Sites of Concern



I-5987A

Robeson County

The GeoEnvironmental Section has review the PLFI Design plans dated 1/12/2022.

Based on the current roadway design, the GeoEnvironmental section will not be conducting phase II investigations on this project.

A Special Provision will be provided for handling any contaminated soil and or groundwater encountered during construction.

Craig Haden

2/15/2022

Craig Haden