



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

ROY COOPER
GOVERNOR

JAMES H. TROGDON, III
SECRETARY

July 19, 2019

MEMORANDUM TO: Greg S. Davis, PE
Division 8 Project Engineer

FROM: Dennis G Li, Ph.D., L.G
GeoEnvironmental Project Manager
GeoEnvironmental Section
Geotechnical Engineering Unit

DocuSigned by:
Dennis Li
3288528EC798426...
7/19/2019

TIP NO: U-3628
WBS: 44672.1.2
COUNTY: MOORE
DIVISION: 8
DESCRIPTION: NC 24-27 (MONROE STREET) WEST OF 2 TO US 15 / 501 IN CARTHAGE

SUBJECT: **GeoEnvironmental Phase I Report**

The GeoEnvironmental Section of the Geotechnical Engineering Unit performed a Phase I field investigation on July 11, 2019 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

Three (3) 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.

Sites of concern identified in this report should be reviewed by the GeoEnvironmental Section once the Final Right of Way plans are complete to determine if Phase II Investigations and Right of Way Recommendations are necessary prior to right of way being acquired.

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

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

Brian Hanks, PE, State Structures Engineer

Brent Hall, Locations and Surveys

Carl Barclay, PE, State Utilities Manager

Reuben Blakley, PE, Division 8 Construction Engineer

William B Scholl, Division 8 Right of Way Agent

Eric Williams, PE, Geotechnical Regional Manager

Kevin Miller, L.G., Regional Geological Engineer

Pages, Luis E., Division 8&10 Area Negotiator

Heather Fulghum, State Negotiator

row-notify@ncdot.gov

roadwaydesign@ncdot.gov

hydraulics_notify@ncdot.gov

file

(01) Property Name:
CIRCLE K 2723158
401 MONROE STREET
CARTHAGE, NC 28327

Property Owner:
CIRCLE K STORES, INC
PO BOX 52085
PHOENIX, AZ 85072

Facility ID: 00-0-0000036722
Incident Type/Number: 29895

UST Owner:
CIRCLE K STORES INC.
2550 W. TYVOLA ROAD, SUITE 200
CHARLOTTE, NC 28217-4579



Anticipated Impacts: LOW

This is an active gas station with 3 USTs permitted in use at the site. Multiple monitoring wells and testing holes were observed on and off the property. One record is located in NCDEQ's UST incident database.



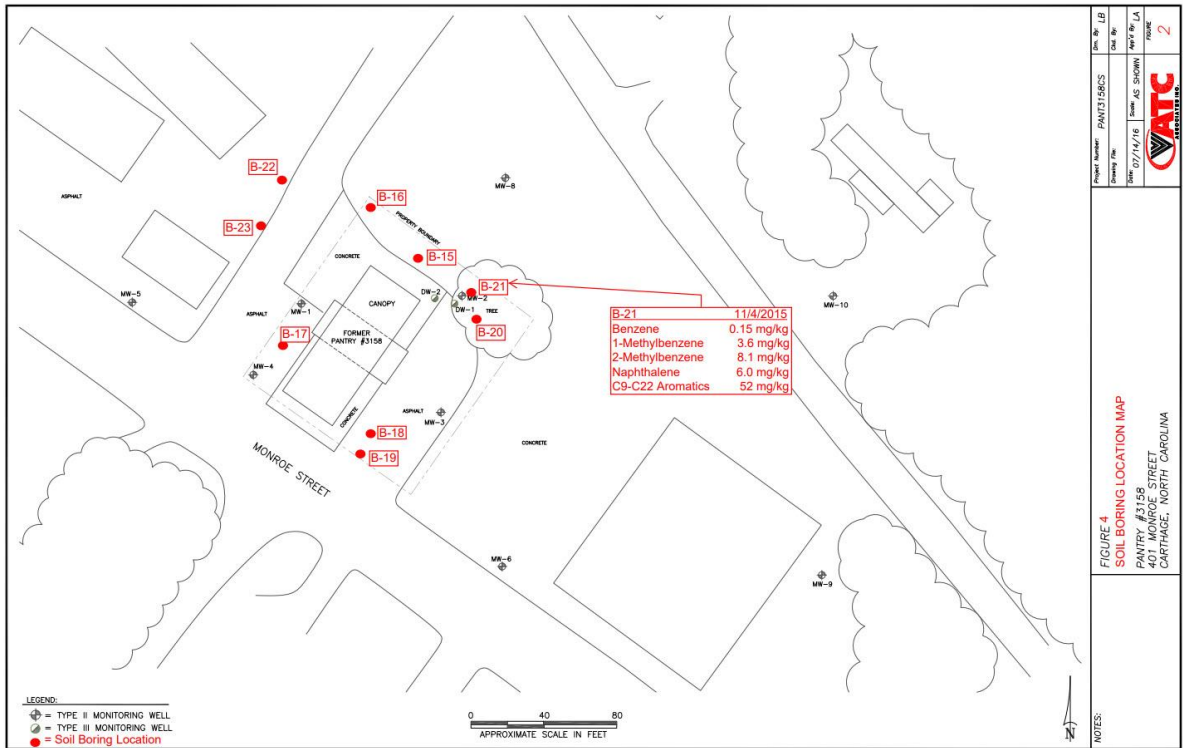
Current UST permit



UST area



Clustered monitoring wells (Type III and Type II)



Soil testing results-2016



(02) Property Name:

Carthage Detail (former ALEX CADDELL'S
EXXON)
701 MONROE STREET
CARTHAGE, NC 28327

Property Owner:

RITTER, BRADLEY KEITH
389 VERNON RD
CARTHAGE, NC 28327

Facility ID: 00-0-0000020660

Incident Type/Number: 11630

UST Owner:

McNeill Oil Company, Inc.
Post Office Box 396
Aberdeen, NC 28315



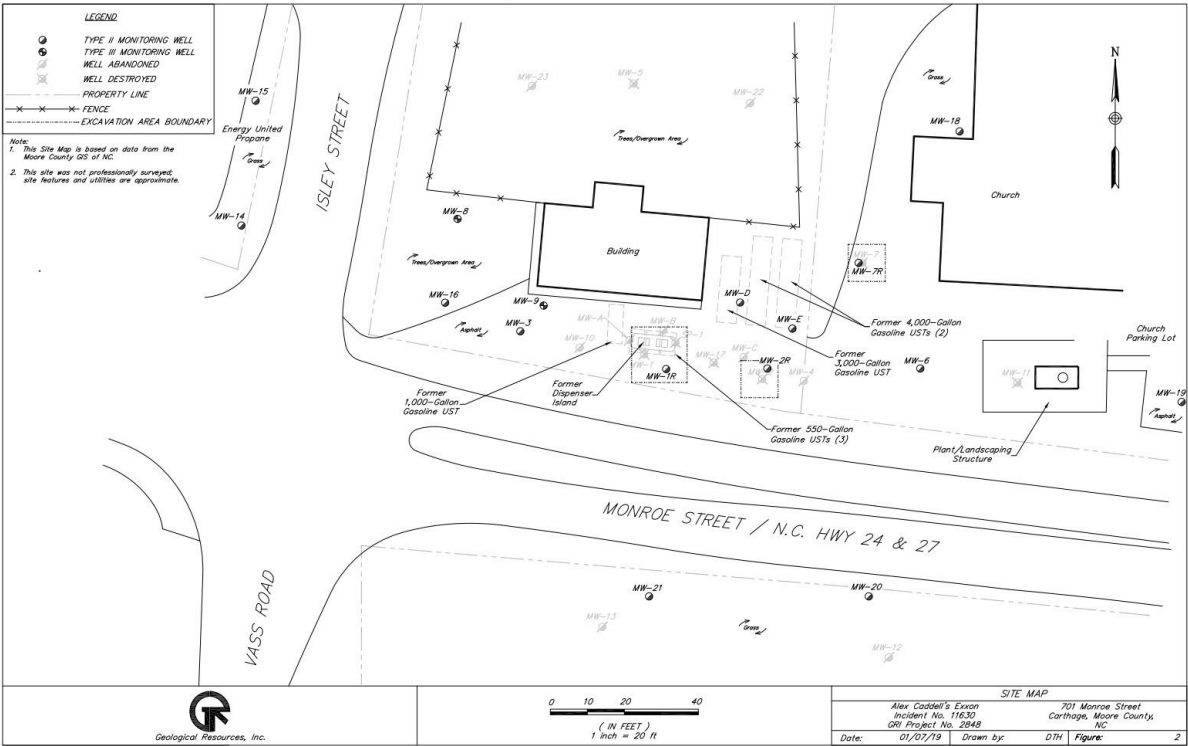
Anticipated Impacts: LOW

This is a car detail facility and it was the former "Alex Caddell's Exxon" gas station. Multiple monitoring wells (all abandoned) and testing holes were observed on and off the property. One record is located in NCDEQ's UST incident database. Notice of No Further Action was issued in June 2019.

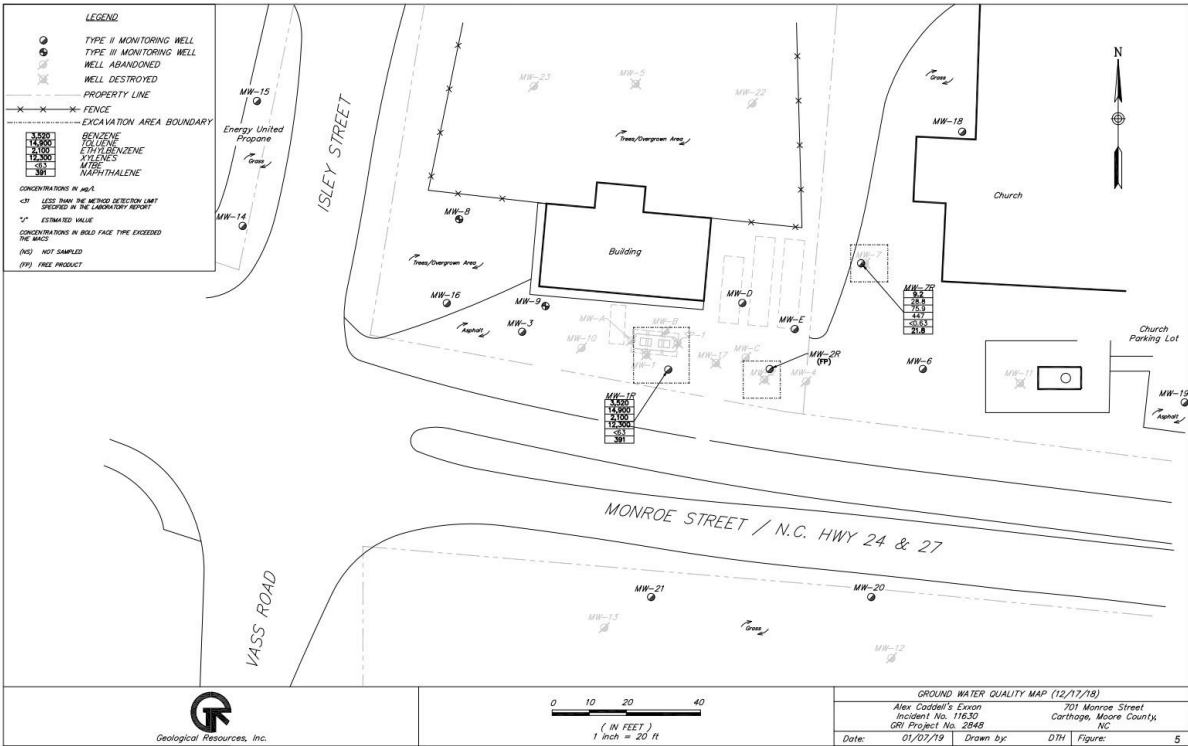


Abandoned monitoring well and testing hole.

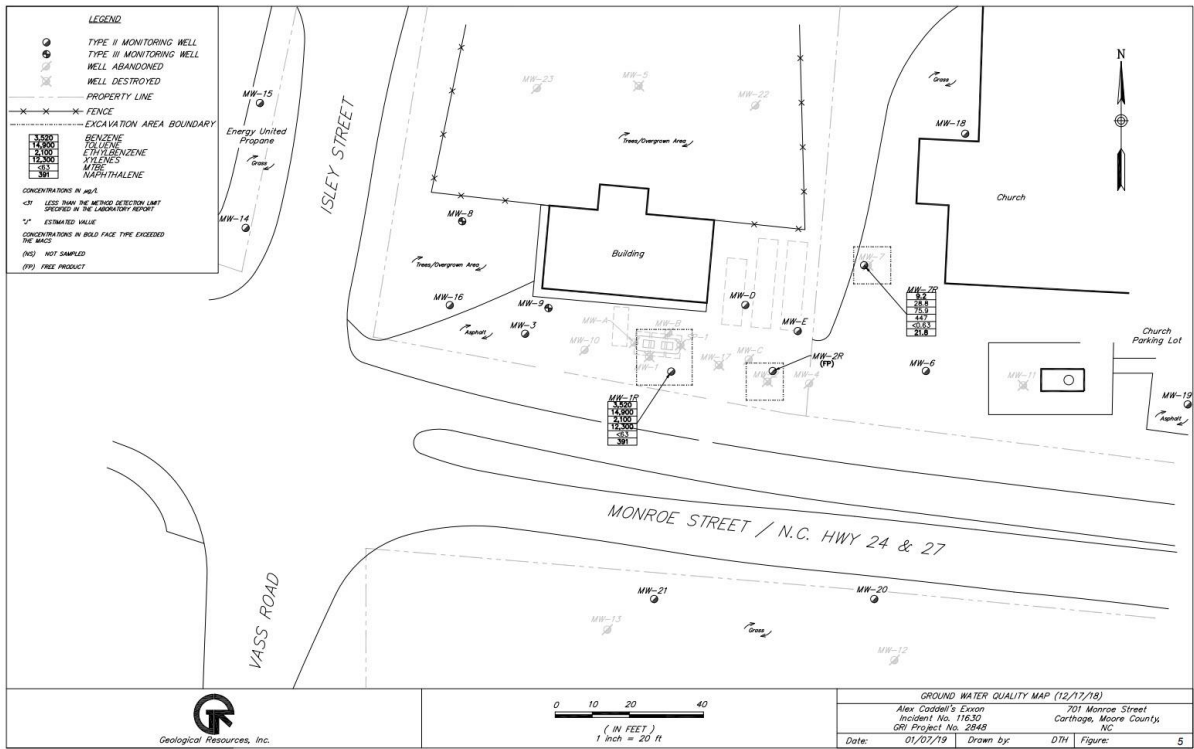
Abandoned monitoring well and testing hole



Site Plans-2019



Soil Testing results-2019



Groundwater testing results-2019



Abandoned monitoring well-off site

(03) Property Name:

ALCO 24
950A MONROE STREET
CARTHAGE, NC 28327

Property Owner:

AOC INVESTMENTS, LLC
PO BOX 1059
ALBEMARLE, NC 28002-1059

Facility ID: 00-0-0000036722

Incident Type/Number: N/A

UST Owner:

ALBEMARLE OIL COMPANY
PO BOX 1059
ALBEMARLE, NC 28002-1059



Anticipated Impacts: LOW

This is an active gas station with 3 USTs permitted in use at the site. No monitoring wells were observed on site and no record can be located in NCDEQ's UST incident database.



Appendix A
Location of GeoEnvironmental Sites of Concern

