

# 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:
Dumis 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.

Website: www.ncdot.gov

Telephone: (919) 707-6850

Customer Service: 1-877-368-4968

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

Facility ID: 00-0-000036722 Incident Type/Number: 29895 **Property Owner:** 

CIRCLE K STORES, INC PO BOX 52085 PHOENIX, AZ 85072

**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.



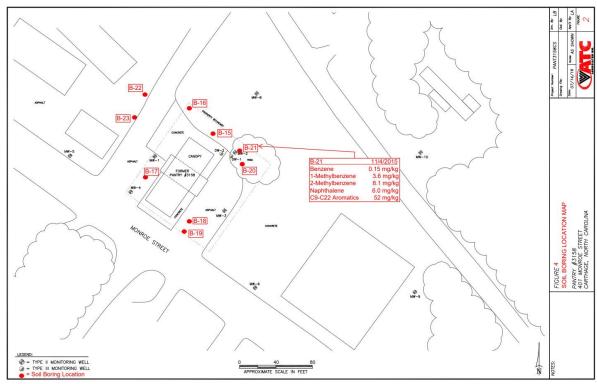
Current UST permit



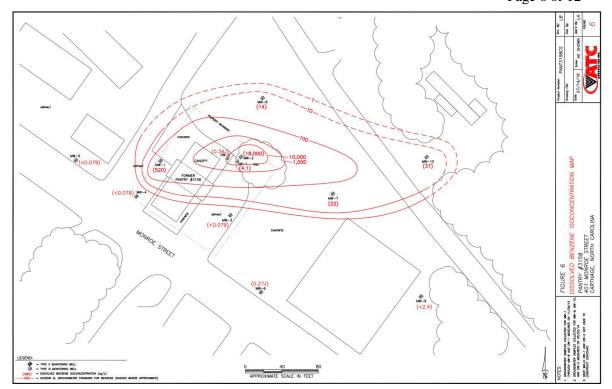
UST area



Clustered monitoring wells (Type III and Type II)



Soil testing results-2016



Groundwater testing results-2016

## (02) Property Name:

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

Facility ID: 00-0-000020660 Incident Type/Number: 11630

## **Property Owner:**

RITTER, BRADLEY KEITH 389 VERNON RD CARTHAGE, NC 28327

#### **UST Owner:**

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



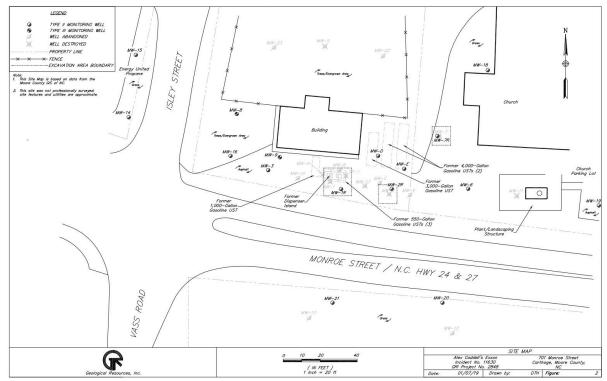
**Anticipated Impacts:** LOW

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.

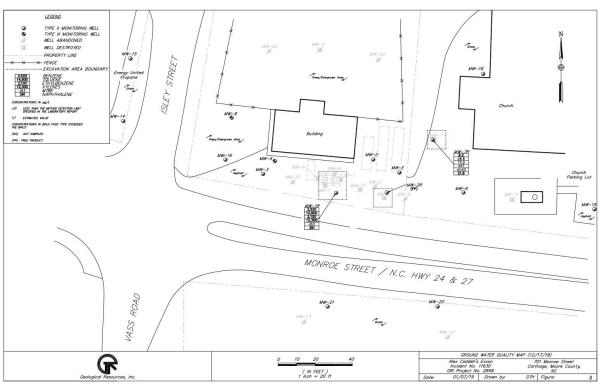


Abandoned monitoring well and testing hole.

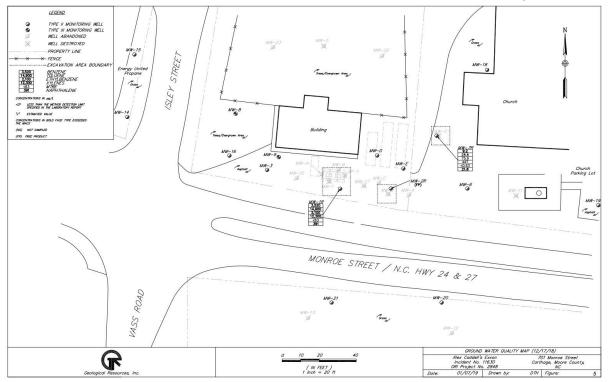
## Abandoned monitoring well and testing hole



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

Facility ID: 00-0-0000036722 Incident Type/Number: N/A **Property Owner:** 

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

**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.



Current UST permit



UST area

