



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

ROY COOPER  
GOVERNOR

JAMES H. TROGDON, III  
SECRETARY

October 1, 2018

MEMORANDUM TO: Jeffrey Teague, PE  
Division 8 Project Manager  
Project Development

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

DocuSigned by:  
*Dennis Li*  
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10/3/2018

TIP NO: U-5743  
WBS: 50165.1.1  
COUNTY: RANDOLPH  
DIVISION 8  
DESCRIPTION: NC 42 SR 2194 (DUBLIN SQUARE ROAD), NORTH OF US 64 / NC 49 (DIXIE DRIVE) TO SR 2237 (EAST SALISBURY STREET) IN ASHEBORO. WIDEN TO THREE LANES AND REALIGN NC 42 ALONG DUBLIN SQUARE ROAD.

SUBJECT: **GeoEnvironmental Planning Report**

The GeoEnvironmental Section of the Geotechnical Engineering Unit performed a Phase I field investigation on August 15, 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**

Three (3) sites of concern were identified within the revised design/study area (five sites previously identified in the pre-scope comment are out of the revised area). We anticipate low monetary and scheduling impacts resulting from these three 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) 707-6857.

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

John R.G. Olinger, PE, Division 8 Construction Engineer

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

Eric Williams, PE, Geotechnical Regional Manager

Kevin B Miller, LG, Regional Geological Engineer

Tracy M. Clark, ROW Unit, Assistant State Negotiator

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**(01) Property Name:**

Asheboro Outdoor Power Equipment (Former Mack's Garage)  
947 E Salisbury St  
Asheboro, NC 27203

**Property Owner:**

SMALL, ROBERT W (SMALL, DONNA)  
1818 BESCHER CHAPEL RD  
DENTON, NC 27239

**UST Owner:**

MACK'S GARAGE  
947 E Salisbury St  
Asheboro, NC 27203

**Facility ID:** 0-019088

**Incident Type/Number:** N/A



**Anticipated Impacts:** LOW

This is an auto and small engine repair shop. A 2000 gallon UST was reportedly installed in 1981 and removed in 1991. No monitoring wells observed on site and no record in NCDEQ's database.



Possible former UST (removed) area.

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**(02) Property Name:**

Ready Mart #4  
1108 East Salisbury St  
Asheboro, NC 27203

**Property Owner:**

READY MART INC  
1334 N FAYETTEVILLE ST  
Asheboro, NC 27203

**Facility ID:** N/A

**Incident Type/Number:** N/A

**UST Owner:**

N/A



**Anticipated Impacts:** LOW

Base on the style and location of the building, this site could be a former gas station. However, based on interview with the locals during this visit, this store was reportedly never sold gas. No monitoring wells or UST features observed on site. No record in NCDEQ's database.

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**(03) Property Name:**

B&M Auto & Tires  
340 NC HWY 42 N  
Asheboro, NC 27203

**Property Owner:**

BRAY, RUTH M  
352 SHERWOOD OAKS #13  
Asheboro, NC 27205

**Facility ID:** N/A

**Incident Type/Number:** N/A

**UST Owner:**

N/A



**Anticipated Impacts: LOW**

This has been an auto repair shop since 1950s. No UST feature/hydraulic lifts or monitoring wells observed on site. No record in NCDEQ's database.

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Appendix A  
Location of GeoEnvironmental Sites of Concern



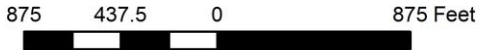
**Legend**

- U-5743 Sites of Concern
- U-5743 Project Limits

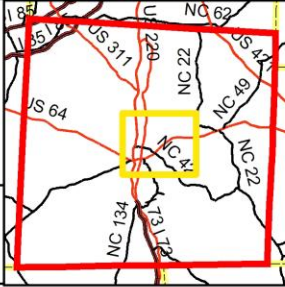
Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AEX, Getmapping, Aerogrid, IGN, IGP, swisstopo, and the GIS User Community, Esri, HERE, DeLorme, MapmyIndia, © OpenStreetMap contributors, and the GIS user community



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 NC Department of Transportation  
 Geotechnical Engineering Unit  
 GeoEnvironmental Section



## Li, Dennis G

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**To:** Teague, Jeff L; Stroder, Jeffrey A  
**Cc:** Caldwell, Ethan J (ejcaldwell@ncdot.gov); Scholl, William B  
**Subject:** RE: U-5743 Phase II GeoEnvironmental. 65% Plan, right of way plan review comment and recommendation.... No phase II for all/any of the 3 sites of concern in Phase I report dated 2018.

Jeff and Jeff, per your requests, based on my review of the current plan and the Phase I report ( I did in 2018), here is my comment and recommendation. If the plan changes or you find anything concerns you during your field visits and property contact, please let me know, I will review it again. Thank you and have a great day. Dennis

- 1) Site 1 (Parcel 13), active Outdoor equipment repair business, Robert Small property located at 947 Salisbury Street, Asheboro, NC 27203. Only Minimum permanent drainage easement impact, limited earthwork, concerned area at the site is located outside and down gradient to the construction area. No Phase II.
- 2) Site 2 (No Parcel #), out of construction limit. No Phase II.
- 3) Site 3 (Parcel 38), active Auto and Tire business, Ruth Bray property located at 340 NC HWY 42 N, Asheboro, NC 27203. Only Minimum construction easement impact, limited earthwork, no Phase II.

**Dennis G. LI, Ph.D., LG,**  
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North Carolina Department of Transportation

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