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MEMORANDUM

TO:	NCDOT Division 12 P.O. Box 47 Shelby, North Carolina 28151-0047
FROM:	Don Barfield
DATE:	28 April 2017
RE:	Hazardous Materials Evaluation US Highway 21 Improvements (R-5711) Iredell County, North Carolina

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Environmental Services, Inc. has completed a Hazardous Materials Evaluation report for NCDOT. The report has the following components:

Hazardous Materials Report

Appendix

Please let me know if you have any questions or concerns regarding the report.

Don Barfield
Senior Manager
Environmental Services, Inc.

Hazardous Materials Report

Introduction

The North Carolina Department of Transportation (NCDOT) is proposing to make improvements to S. Main Street (US Highway 21) (TIP No. R-5711), in Iredell County, North Carolina. The study area is approximately 0.4 miles in length which includes portions of S. Main Street from the intersection with Ostwalt Amity Road in the north to the intersection with Flower House Loop to the south.

Methodology and Qualifications

This report presents the results of hazardous materials evaluation conducted on the above referenced project. The main purpose of this evaluation is to identify properties within the project study area as well as properties outside the study area which may be contaminated and have the potential to impact the project study area. The possibility of contamination would result in increased project costs and future liability for the North Carolina Department of Transportation (NCDOT).

The assessment consisted of a site reconnaissance, review of historical aerial photographs, and research of environmental records provided by GeoSearch and other available environmental databases.

The principal personnel contributing to this document were:

Principal Investigator:	Mr. Don Barfield
Education:	B.S. in Biology, 2005
	Masters in Business Administration, 2011
Experience:	Senior Manager, Environmental Services, Inc. 2005-Present
Responsibilities:	Mr. Barfield's responsibilities include technical guidance for all Phase I and Phase II environmental site assessments, contamination assessments, remedial projects, and regulatory coordination.

Findings

Site Number	Site Name	Potential Concern	Risk	Database Information
1	**Haneline Country Store**	**Former USTs/UST spill**	**High**	**Incident # 23340**
2	**Yeti Coolers/U.S. Propeller Service**	**Marine repair**	**Low**	**N/A**
3	**Crossroads Service Center**	**Automotive repair activities**	**Low**	**N/A**
4	**CNG Fueling Station**	**Alternative fueling station**	**Low**	**N/A**

Hazardous Waste Sites

Based on our study no Hazardous Waste Sites were identified within the project study area or in the adjoining properties.

Landfills

Based on our study no current or per-regulatory landfills were identified within in the project study area or in any of the adjoining properties.

Anticipated Impacts

A total of four (4) sites of potential concern were identified within the project study area. These sites are expected to have a low to high risk impact for the project.

Potential Environmental Impact Sites

1.

Property Name: Haneline Country Store (former)

Address: 870 S. Main Street, Troutman, NC 28166

Incident Phase: Current



This site is located at 870 S. Main Street and now currently occupied by Crossroads Service Center. The site is listed in the UST database (Facility ID #00-0-0000010647) and in the LUST database with the incident # 23340. According to regulatory record information, a total of four (4) USTs were removed from the site and included one (1) 550-gallon used oil UST, one (1) 8,000-gallon gasoline UST, one (1) 8,000-gallon gasoline UST, and one (1) 4,000-gallon gasoline UST. In June 2001, a petroleum release was reported at this facility with follow-up assessment activities confirming soil and groundwater impacts, with free product detected within two (2) onsite monitoring wells. The responsible party for the release was unable to finance additional assessment activities for the site, but additional assessment activities for the site are warranted. This facility, including a suspected former fuel dispenser island, are located in the immediate proximity of S. Main Street. **This site is anticipated to have high geoenvironmental impacts on the project.**

Potential Environmental Impact Sites

2.

Property Name: Yeti Coolers/US Propeller Service

Address: 844 S. Main Street, Troutman, NC 28166

Incident Phase: N/A



This site is located at 844 S. Main Street. This facility currently operates as a boat repair and parts sales facility, with no environmental regulatory record information documented for the site. No evidence of hazardous wastes or petroleum product releases were observed at this location. **This site is anticipated to have low geoenvironmental impacts on the project.**

Potential Environmental Impact Sites

3.

Property Name: Crossroads Service Center

Address: 870 S. Main Street, Troutman, NC 28166

Incident Phase: N/A



This site is located at 870 S. Main Street. This facility currently operates as an automotive repair facility, with no environmental regulatory record information documented for the site as a hazardous waste generator but this site is believed to be the former location of the Haneline Country Store (Site #1) where petroleum contamination was reported. No evidence of hazardous wastes or petroleum product releases were observed at this location, but a petroleum Aboveground Storage Tank (AST) in secondary containment was located adjacent to the structure. **Current automotive repair activities are anticipated to have low geoenvironmental impacts on the project.**

Potential Environmental Impact Sites

4.

Property Name: CNG Fueling Station

Address: N/A

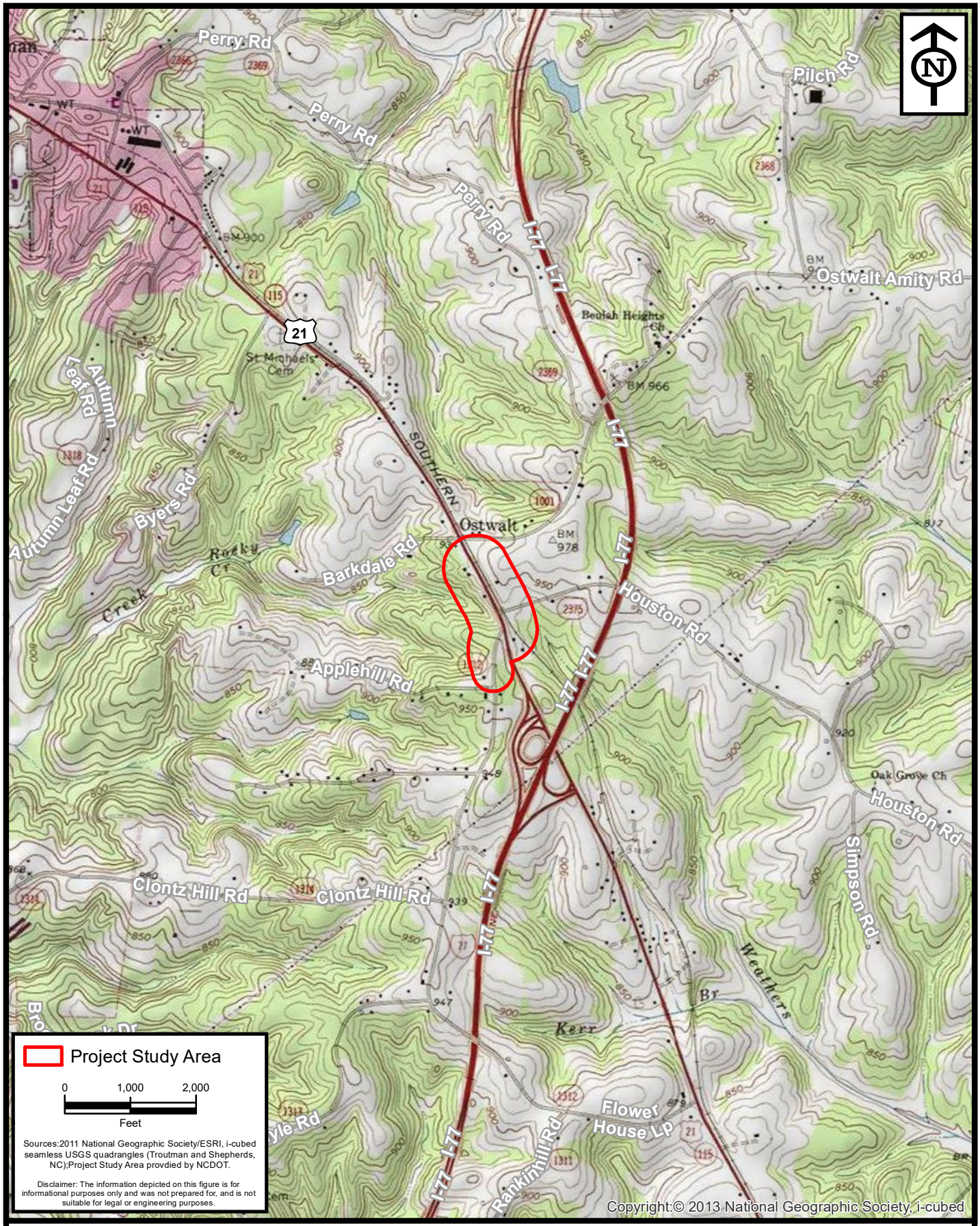
Incident Phase: N/A



This facility currently operates as an alternative fuel service station, with no environmental regulatory record information documented for the site. No evidence of hazardous wastes or petroleum product releases were observed at this location. **This site is anticipated to have low geoenvironmental impacts on the project.**

APPENDIX A

Project Location



Project Location

Realignment of US 21 and SR2375 (Houston Road)/ SR1312 (Flower House Road)

Iredell County, North Carolina

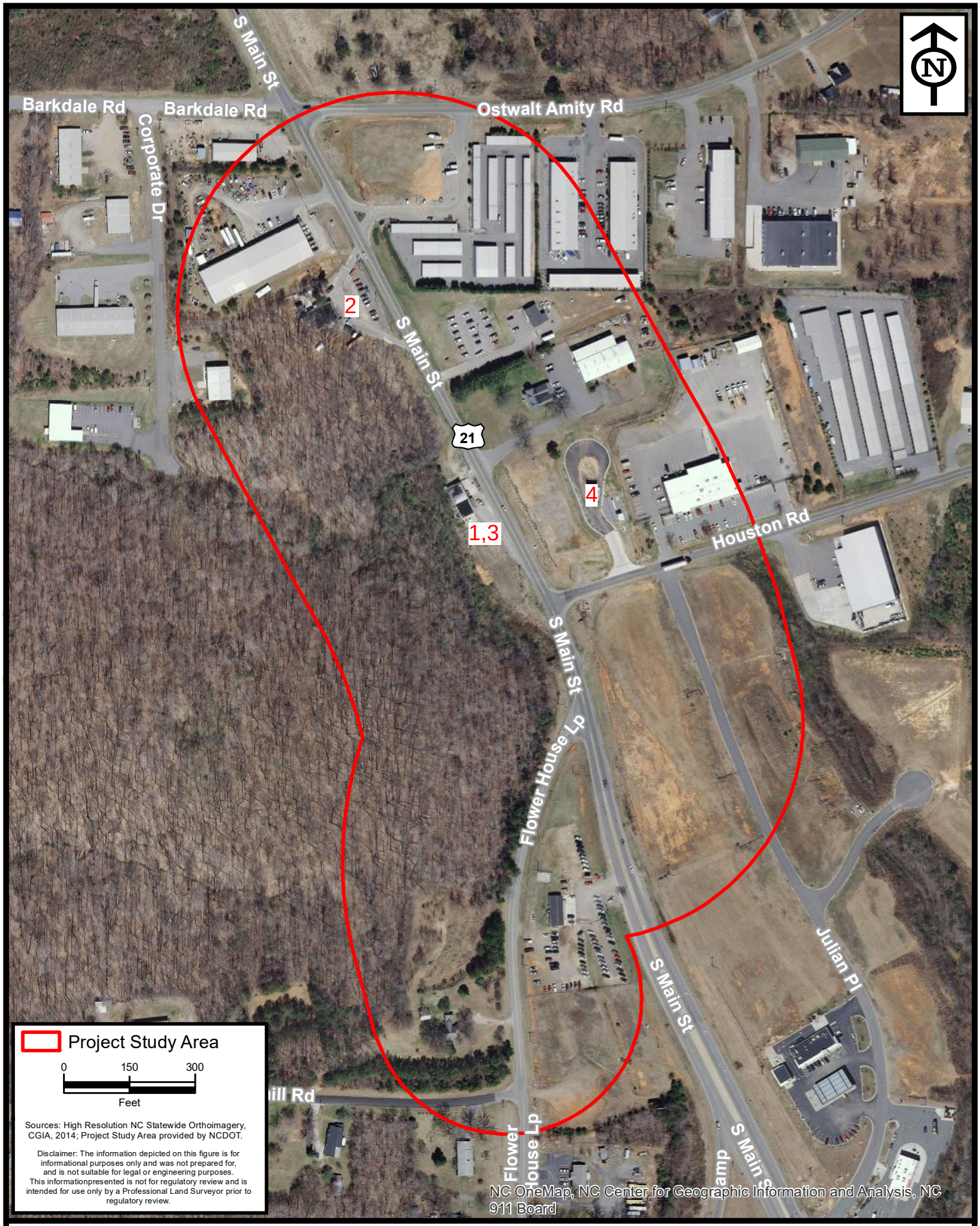
T.I.P. No. R-5711

Project:	AR15155.00
Date:	Mar 2017
Drwn/Chkd:	KT/RT
Figure:	1

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APPENDIX B

Aerial Photograph



Aerial

Realignment of US 21 and SR2375 (Houston Road)/ SR1312 (Flower House Road)

Iredell County, North Carolina

T.I.P. No. R-5711

Project:	AR15155.00
Date:	Mar 2017
Drwn/Chkd:	KT/RT
Figure:	3

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