



STATE OF NORTH CAROLINA  
DEPARTMENT OF TRANSPORTATION

BEVERLY EAVES PERDUE  
GOVERNOR

EUGENE A. CONTI, JR.  
SECRETARY

August 6, 2010

MEMORANDUM TO: Philip J Shepherd, PE  
Division Design Engineer – Div 11

A handwritten signature in blue ink, appearing to read "Ethan J. Caldwell".

FROM: Ethan J. Caldwell, LG, EI  
GeoEnvironmental Project Manager  
GeoEnvironmental Section  
Geotechnical Engineering Unit

TIP NO: R-2710  
WBS: 34499.1.1  
COUNTY: Watauga  
DESCRIPTION: NC 194 from Banner Elk in Avery County to Valle Crucis in Watauga County

SUBJECT: **Revised Hazardous Materials Report**

The GeoEnvironmental Section of the Geotechnical Engineering Unit has investigated the above referenced project to identify hazardous material sites for inclusion in the environmental document. This report is an update to the GeoEnvironmental Impact Evaluation completed January 23, 2002.

**HAZARDOUS MATERIALS EVALUATION**

**Purpose**

This section presents the results of a hazardous material evaluation conducted along the above referenced project. The main purpose of this investigation is to identify properties within the project study area that are or may be contaminated and therefore result in increased project costs and future liability if acquired by the Department. Hazardous material impacts may include, but are not limited to, active and abandoned underground storage tank (UST) sites, hazardous waste sites, regulated landfills and unregulated dumpsites.

**MAILING ADDRESS:**  
NC DEPARTMENT OF TRANSPORTATION  
GEOTECHNICAL ENGINEERING UNIT  
GEOENVIRONMENTAL SECTION  
1589 MAIL SERVICE CENTER  
RALEIGH NC 27699-1589

TELEPHONE: 919-250-4088  
FAX: 919-250-4237

[www.ncdot.gov/doh/preconstruct/highway/geotech](http://www.ncdot.gov/doh/preconstruct/highway/geotech)

**LOCATION:**  
CENTURY CENTER COMPLEX  
BUILDING B  
1020 BIRCH RIDGE DRIVE  
RALEIGH NC 27610

## **Techniques/Methodologies**

The Geographical Information System (GIS) was consulted to identify known sites of concern in relation to the project corridor. Geotechnical Engineering Unit personnel conducted a field reconnaissance along the project corridor on January 12, 2010. A search of appropriate environmental agencies' databases was performed to assist in evaluating sites identified during this study.

## **Findings**

### **UST Facilities**

Two (2) petroleum UST sites were identified within the project limits.

### **Hazardous Waste Sites**

No Hazardous Waste Sites were identified within the project limits.

### **Landfills**

No apparent landfills were identified within the project limits.

### **Other GeoEnvironmental Concerns**

No other geoenvironmental concerns were identified within the project limits.

## **Anticipated Impacts**

Two (2) possible UST facilities were identified within the proposed project corridor. We anticipate low monetary and scheduling impacts resulting from these sites. (See the following table and appendices for details)

The Geotechnical Engineering Unit can provide soil assessments on each of the above properties after identification of the selected alternative and before right of way acquisition. Please note that discovery of additional sites not recorded by regulatory agencies and not reasonably discernable during the project reconnaissance may occur. The Geotechnical Engineering Unit 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 919-250-4088.

cc:

Trent Beaver, PE, Division Construction Engineer

Daneil Miles Division 11 Right of Way

File

### Known and Potential Hazardous Material Sites

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1)	<b>Property Name</b> Parcel #34 Matney Mall 7325 HWY 194 South Banner Elk, NC	<b>Property Owner:</b> Gail Rominger Perry 7347 Hwy 194 South Banner Elk, NC
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**Facility ID #: None Identified**

This site is currently a vacant garage. The site located on the east side of HWY 194 at the intersection of Valley Ridge Rd. Architectural style of the building indicates the site may have operated as a gas station at one time. A National Fire Protection Association System placard was observed on the building. According to NCDENR's UST Section registry there are no known Facility Id's or Groundwater Incidents associated with this property. **This site is anticipated to present low geoenvironmental impacts to the project.**

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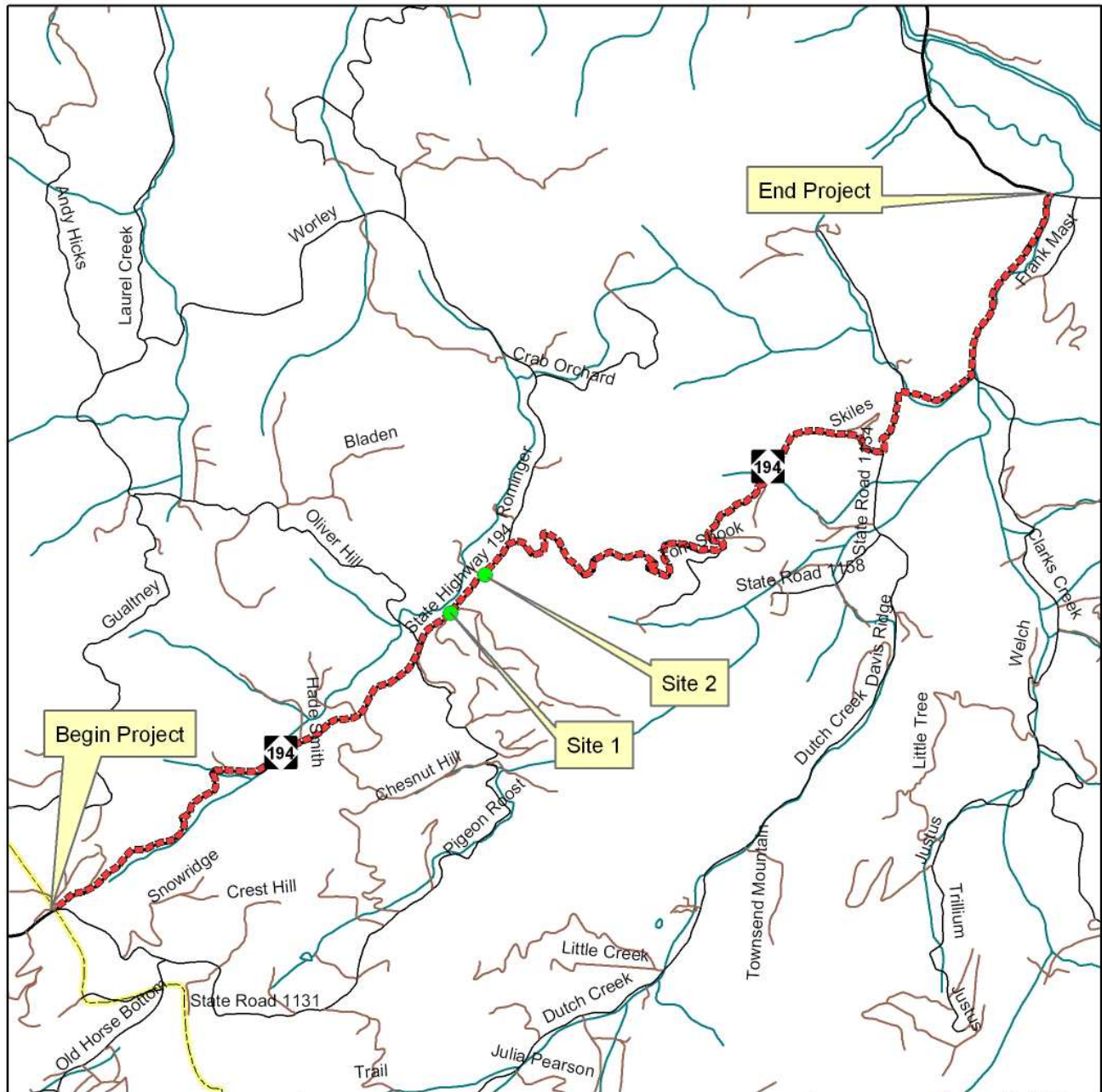
2)	<b>Property Name</b> Parcel #38 Sally Nooney Gallery 7143 NC 194 Banner Elk, NC	<b>Property Owner:</b> Frank and Sara Nooney 7137 Hwy 194 South Banner Elk, NC
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**Facility ID #: None Identified**

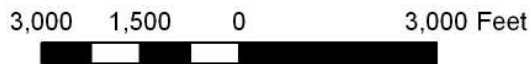
This site is currently a retail store front and art gallery. The site is located on the east side of HWY 194 850 feet south of the Rominger Road. Architectural style of the building indicates the site may have operated as a gas station at one time. According to NCDENR's UST Section registry there are no known Facility Id's or Groundwater Incidents associated with this property. **This site is anticipated to present low geoenvironmental impacts to the project.**

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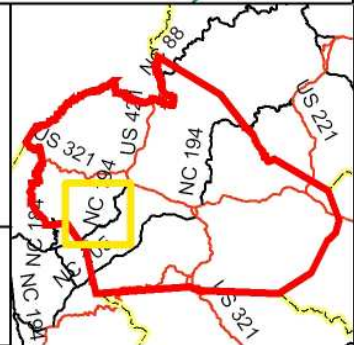
**Appendix A**  
**Location of USTs, Landfills, & Other Potentially Contaminated Sites**



Project 34499.1.1 (TIP # R-2710)  
 NC 194 from Banner Elk in Avery Co  
 to Valle Crucis in Watauga Co  
 Watauga County



NC Department of Transportation  
 Geotechnical Engineering Unit  
 GeoEnvironmental Section





Parcel #34: Matney Mall. View to the south.



Parcel #38: Sally Nooney Gallery. View to the south.