

## **Phase II Site Assessment Report**

**August 9, 2021**

**WBS Element: 44691.1.1**

**State Project: R-5759**

**Wilkes County**

**At**

**Wilkes Co Board of Education (BOE)**

**Parcel #009**

**200 CC Wright School Road, North Wilkesboro, NC 28659**

**PIN #: 3877-85-3727**

**Facility ID No.: 00-0-0000028789**

**Groundwater Incident No.: N/A**

**Prepared For:**

**Mr. Gordon Box**

**NCDOT, Geotechnical Engineering Unit**

**GeoEnvironmental Section**

**1589 Mail Service Center**

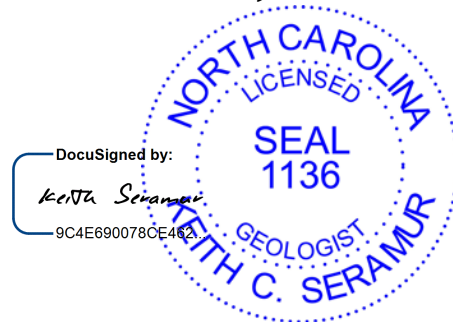
**Raleigh, NC 27699-1589**

**Prepared By:**

**Seramur & Associates, PC**

**165 Knoll Drive**

**Boone, NC 28607**



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Keith C. Seramur, P.G.

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## **1.0 Introduction**

### **1.1 General Site Background Information**

Seramur & Associates, PC was contracted to complete a Phase II Site Assessment (PSA) at:

Wilkes County Board of Education  
Parcel #009  
PIN #: 3877-85-3727  
200 CC Wright School Road, North Wilkesboro, NC 28659  
Facility ID No.: 00-0-0000028789

This parcel is located along the west side of Statesville Rd. at the intersection with CC Wright School Road. The property is situated on a ridge crest between the Fishing Creek and Little Cub Creek stream valleys. Bedrock in the area is mapped as Henderson Gneiss, a biotitic augen gneiss (Rankin, D.W., Espenshade, G.H., Shaw, K.W., and Neumann, R.B.. Geologic map of the west half of the Winston-Salem quadrangle, North Carolina-Virginia, U.S. Geologic Survey Misc. Inv. Series Map I-709-B, 1975).

A Notice to Proceed was obtained from NCDOT on June 25, 2021. Our investigation was limited to visual reconnaissance of the areas within the proposed easements, Control of Access (C/A), and Right-of-Way (R/W) surrounding the school property. Background research for this project included reviewing historic aerial photographs and NCDEQ databases.

## **2.0 Scope of Work**

### **2.1 Background Research**

According to Wilkes County Tax Administration records, the parcel is owned by Wilkes County Board of Education. Available historic aerial photographs from the USGS EarthExplorer website and the ArcGIS Online website were reviewed.

The following NCDEQ databases were queried for incidents at Parcel #009:

- Active USTs
- UST Incident Map
- UST Database
- Hazardous Waste Sites

### **2.2 Visual Reconnaissance**

The proposed easements, C/A and R/W along CC Wright School Road and the northern side of the property were systematically traversed to look for evidence of drums, USTs, and other objects that could pose an environmental threat to the property. The alignment for a new roadway on the north side of the school runs through a playground near the northeast corner of the property and primarily through the wooded area on the north side of the property. It appears that this new roadway will link up with the existing road and driveway on the south side of the school to facilitate traffic flow.

### **3.0 Results of Investigation**

Parcel #009 currently operates as CC Wright Elementary School. Historic photographs did not show evidence of past use of the property that could indicate a potential environmental condition. The NCDEQ database indicates there have been no reported incidents at Parcel #009. The property has a Facility ID Number (00-0-0000028789) because it has a large volume heating oil UST on the property (See Table 1 for tank information)

SAPC personnel made a pedestrian reconnaissance of the property during the initial site visit on June 29, 2021.

#### **3.1 Visual Reconnaissance**

The visual reconnaissance of the property started at the area along CC Wright School Road. Nothing was observed that would indicate a recognized environmental condition (REC) on the property. Then the new road alignment along the north side of the property was traversed. The area was primarily observed from the Temporary Construction Easement south of the fence line. There was some relatively dense vegetation in the woods, but the ground surface could be observed across most of the alignment. Drainpipes that were observed within the easement (see Plate 1, Photo 4). These appear to be storm water drains and should not be discharging hazardous substances into the work area.

The new roadway alignment continues along the north side of the building and connects with the student drop-off area on the west side of the school. There is a storage shed just east of the Temporary Construction Easement on the west side of the school. This shed appears to store fuel for maintenance equipment (Plate 2, Photo 3). There was no evidence of stained soil or stressed vegetation near the shed that would indicate spillage has occurred in or around the shed.

Two septic tank risers are present near the southwest corner of the easement (Plate 2, Photo 4). The dimensions of the septic tank are not known, but it could extend into or near the Temporary Construction Easement. An area of cut extends to the corner of the easement closest to the risers.

There is a 10,000 gallon heating oil UST at this facility according to the NCDEQ UST Database. This tank appears to be located under the parking lot on the south side of the school. This UST is not near the Easements, C/A and R/W (Plate 2, Photo 5). There was no evidence of fill ports or vent pipes in any other area of the property. The UST is far enough away from the Easements, C/A and R/W that even if a release has occurred, it would likely not impact the soil in these areas.

#### **3.2 Conclusions**

Parcel #009 currently operates as CC Wright Elementary School. The property is a registered UST Facility because of a large volume heating oil UST located on the south side of the school. This UST is not in the proposed work area. A visual reconnaissance of the property did not find evidence of any unknown USTs, solid waste dumping or 55-gallon drums and other containers that could affect the environmental quality of the property.

#### 4.0 Recommendations

Seramur and Associates does not recommend any further assessment work on this property.

#### 5.0 Photographs

##### Plate 1 – Photographs of Parcel #009



Photo 1. Tree line along the Temporary Construction Easement near the northeast corner of the property.



Photo 2. Dense vegetation along the northeast property line.



Photo 3. View of the Temporary Construction Easement along the north side of the building.



Photo 4. Example of a drain pipe located along the northern side of the property within the Temporary Construction Easement.

## Plate 2 – Photographs of Parcel #009



Photo 1. Example of less dense vegetation in woods near the western side of the new alignment.



Photo 2. Playground near the entrance on CC Wright School Road.



Photo 3. Storage shed west of the school building. The sign on the left side of the building indicates that the shed contains gasoline and/or diesel fuel.



Photo 4. Risers near the southwest corner of the building likely related to a septic tank.



Photo 5. UST Fill and Vent pipe located in the parking lot on the south side of the school building.

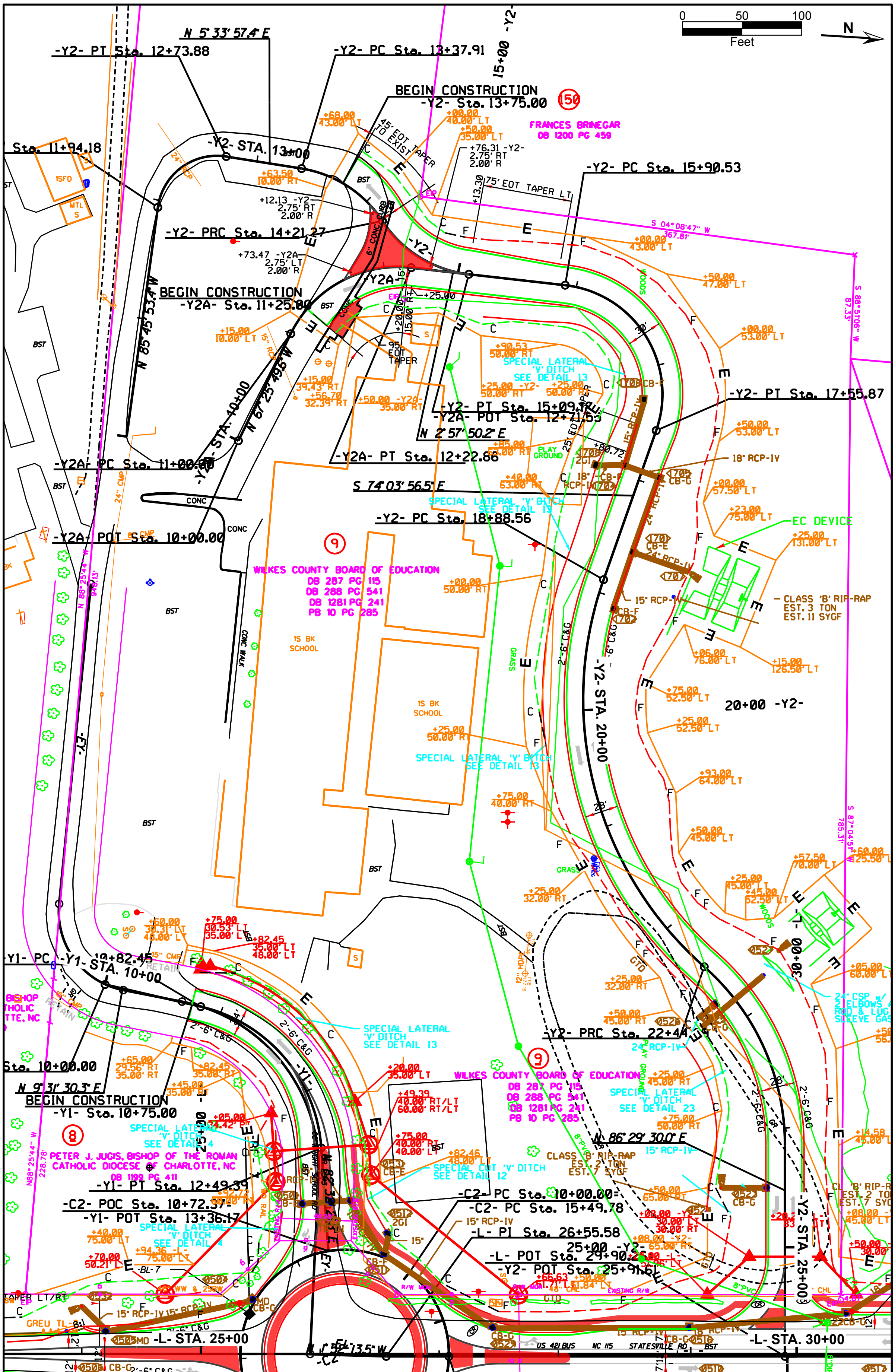
## Appendix A

### Tables and Figures

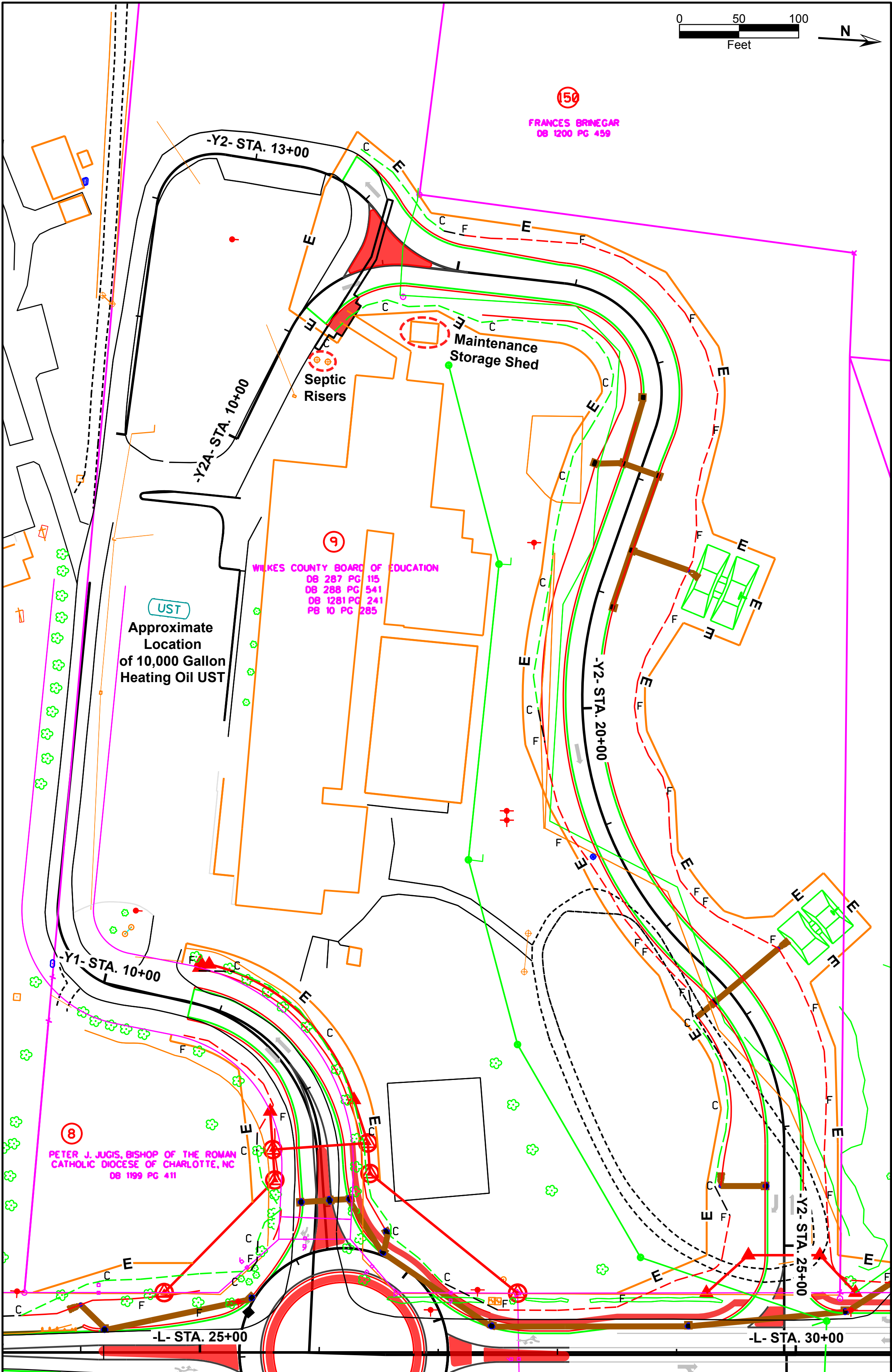
| Table 1. UST Information |                             |                         |                  |            |                                  |                   |
|--------------------------|-----------------------------|-------------------------|------------------|------------|----------------------------------|-------------------|
| Facility ID              | Facility Name               | Address                 | City             | State      | Contact                          | Contact Address   |
| 00-0-0000028789          | CC WRIGHT ELEMENTARY SCHOOL | 200 CC WRIGHT SCHOOL RD | NORTH WILKESBORO | NC         | WILKES COUNTY BOARD OF EDUCATION | 613 CHERRY STREET |
| Contact City             | Tank ID                     | Installation Date       | Capacity         | Commercial | Regulated                        | Product Name      |
| NORTH WILKESBORO         | 1                           | *1/1/1971               | 10000            | Yes        | No                               | Heating Oil/ Fuel |



|                                                                              |                                         |                                                                                                   |                                                   |                                       |                        |
|------------------------------------------------------------------------------|-----------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------|------------------------|
| <b>Figure 1</b><br>Site Location Map<br>Source: U.S.G.S.<br>The National Map | TIP Number: R-5759<br>Wilkes County, NC | Wilkes County Board<br>of Education Property<br>200 CC Wright School Road<br>North Wilkesboro, NC | Parcel I.D. #: 009<br>Facility I.D. #: 00-0-28789 | Seramur & Associates, PC<br>Boone, NC | 0 400 800<br>Feet<br>N |
|------------------------------------------------------------------------------|-----------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------|------------------------|



|                       |                                         |                                                                                                   |                                                   |                                       |
|-----------------------|-----------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------|
| Figure 2<br>Site Plan | TIP Number: R-5759<br>Wilkes County, NC | Wilkes County Board<br>of Education Property<br>200 CC Wright School Road<br>North Wilkesboro, NC | Parcel I.D. #: 009<br>Facility I.D. #: 00-0-28789 | Seramur & Associates, PC<br>Boone, NC |
|-----------------------|-----------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------|



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|-------------------------------------------|-----------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------|
| <b>Figure 3</b><br>Annotated<br>Site Plan | TIP Number: R-5759<br>Wilkes County, NC | Wilkes County Board<br>of Education Property<br>200 CC Wright School Road<br>North Wilkesboro, NC | Parcel I.D. #: 009<br>Facility I.D. #: 00-0-28789 | Seramur & Associates, PC<br>Boone, NC |
|-------------------------------------------|-----------------------------------------|---------------------------------------------------------------------------------------------------|---------------------------------------------------|---------------------------------------|