

DANIEL J. BLILEY

SOIL AND LAND USE CONSULTANT

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April 11, 2026

Mr. Kyle Boyette
409 Lucas Street
Zebulon, North Carolina 27597

Kylw:

This report concerns the preliminary soils and site investigations for septic system suitability and related development issues on sections of the Coleman tract (6.30 ac.) located on the south side of side of Old Halifax Road just west of the intersection with Rogers Road in southern Franklin County. The parcel identification number is: 1799-77-4254 .

The attached sketch map shows the approximate location of soils areas (area 2) as estimated from field investigations as well as the soils boring locations. This map was prepared using property information and aerial photography obtained from the Wake County GIS web site. The topographic contours (2 ft. interval-LIDAR) were obtained from the NC DOT GIS web site. The USDA soil survey maps of the area were also used as a general guide to the soils and landforms.

The soils areas as shown were identified from soil borings made at selected locations and from field observations of soil related landforms and vegetation. The locations of the soil borings as well as the various cultural features were estimated using a Trimble mapping grade GPS receiver. This information can be used for discussions regarding the development of the property using septic system drain fields for sewage disposal. Additional consultations will be needed before any subdivision of the property can be finalized. Some follow-up field investigations may also be needed.

SOILS GENERAL

The soils on this property are mapped in the Wedowee (WeB, WeC & WaB) soils mapping units by the Soil Survey of Franklin County (USDA, 2004). A copy of the USDA soils map obtained from the Franklin County GIS web site is attached with this report. Under the USDA classification system the Wedowee soils will classify as having moderate limitations for septic system drain fields. The main potential limitation to use is the clayey subsoils and the depth to weathered rock (saprolite). Wedowee soils are commonly permitted for septic systems in Franklin County, although it is also common that localized inclusions of unsuitable soils are present in the mapped units. Detailed on-site investigations are always recommended for these units due to the probability of unfavorable inclusions.

SOIL SUITABILITY

The suitability classifications of the soils based on North Carolina On-site Sewage Disposal Regulations (15A NCAC 18A .1900) are as follows:

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SOILS AREA 2 - These soils will classify suitable for modified conventional septic system drain fields. These soils have dark brown and light yellowish brown fine sandy loam surface layers 8 to 12 inches thick. The underlying subsoils are yellowish red to yellowish brown friable clay to sandy clay loam that exhibit soil structure and are free of gray wetness mottles within the upper 24 to more than 32 inches or more of the soil profiles. These soils have potential for modified conventional septic system drain fields. At some locations site modifications or proprietary measures (low profile chambers) may be required where gray mottles or structureless saprolite are within 30 inches of the soil surface. The sewage loading rates (LTAR) is estimated to range from 0.30 to 0.35 gal./sq. ft. of trench bottom for conventional trenches.

SOILS AREA 3a: These soils will classify suitable to unsuitable for septic system drain fields. These soils are similar in profile colors as area 2 soils but they have firm plastic clays or have shallow depth to saprolite. These soils may have potential for some type of septic systems subject to additional detailed investigations and the clearing of vegetation. This area should be reserved for repair drain fields at best depending upon the outcome of the necessary additional follow-up investigations.

AREAS NE:: These areas were not investigated in detail. These soils will classify suitable to unsuitable for septic drain fields as inferred from the limited soils boring, the USDA soils maps and from field observations of soils related landforms and vegetation. The unsuitable soils are most likely to occur on the sloping landscapes and in concave landscape positions.

SUMMARY

This tract appears to have potential for further development (one building site) using septic drain fields for on-site sewage disposal. Area 2 soils as shown can potentially be permitted for modified conventional drain fields, although some additional investigations and clearing of vegetation is recommended before the property can be certified for one site. There appears to be sufficient area in this site identified to support drain fields for a three bedroom dwelling.

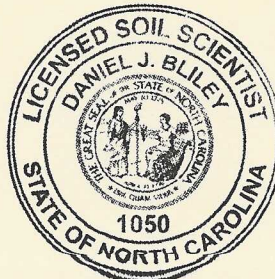
There is a good chance that additional usable areas are available on the property, but some clearing of paths through the vegetation will be required before any investigations can be completed.

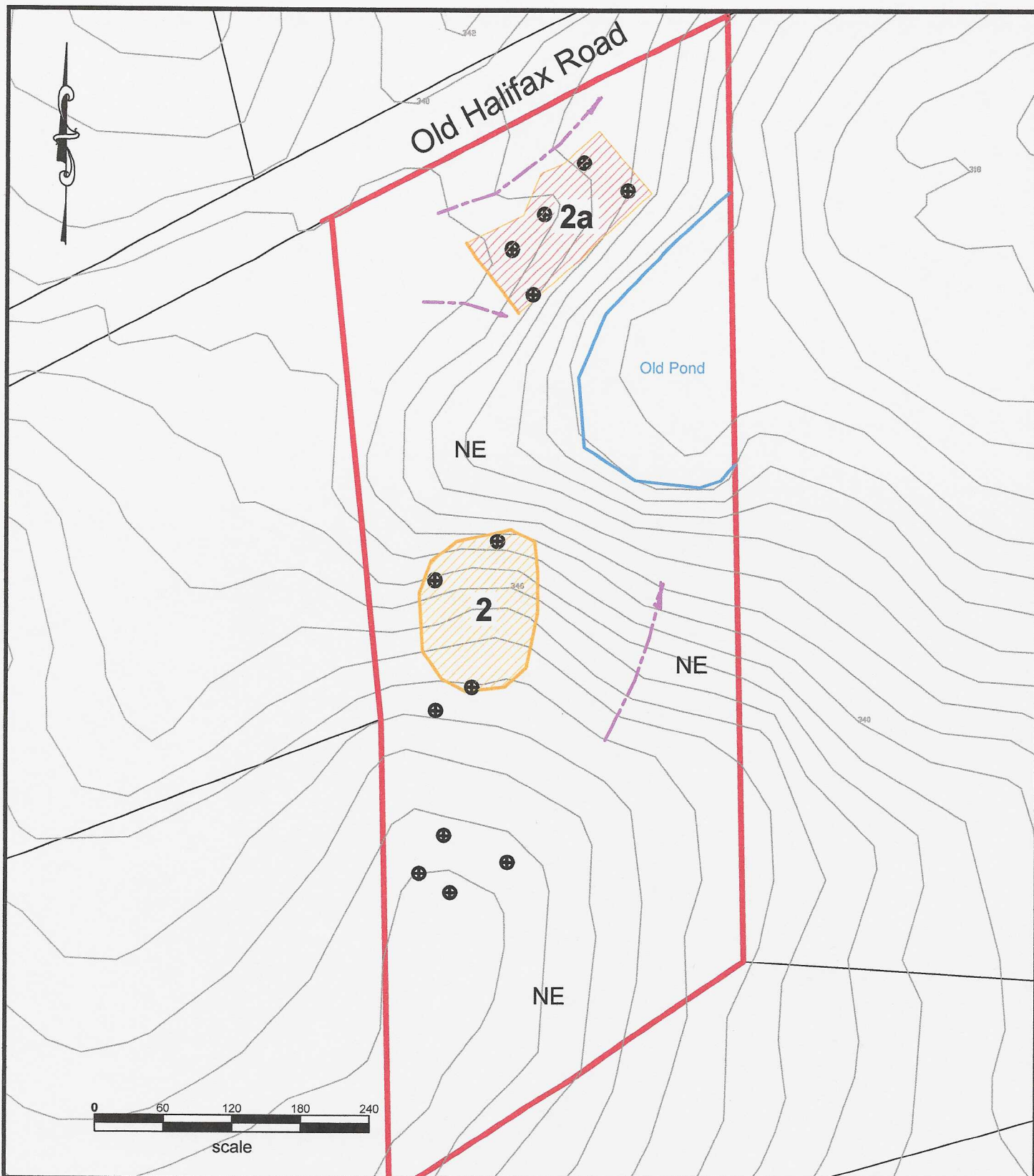
Please call me if you have any questions regarding the soil suitability and other land related issues for these properties.

Sincerely


Daniel J. Bliley

Soil & Land Use Consultant
Licensed Soil Scientist





Project: 6.30 ac. tract

Client: Kyle Boyette

CAD File: OldHalifaxRoad

Scale: 1" = 120'

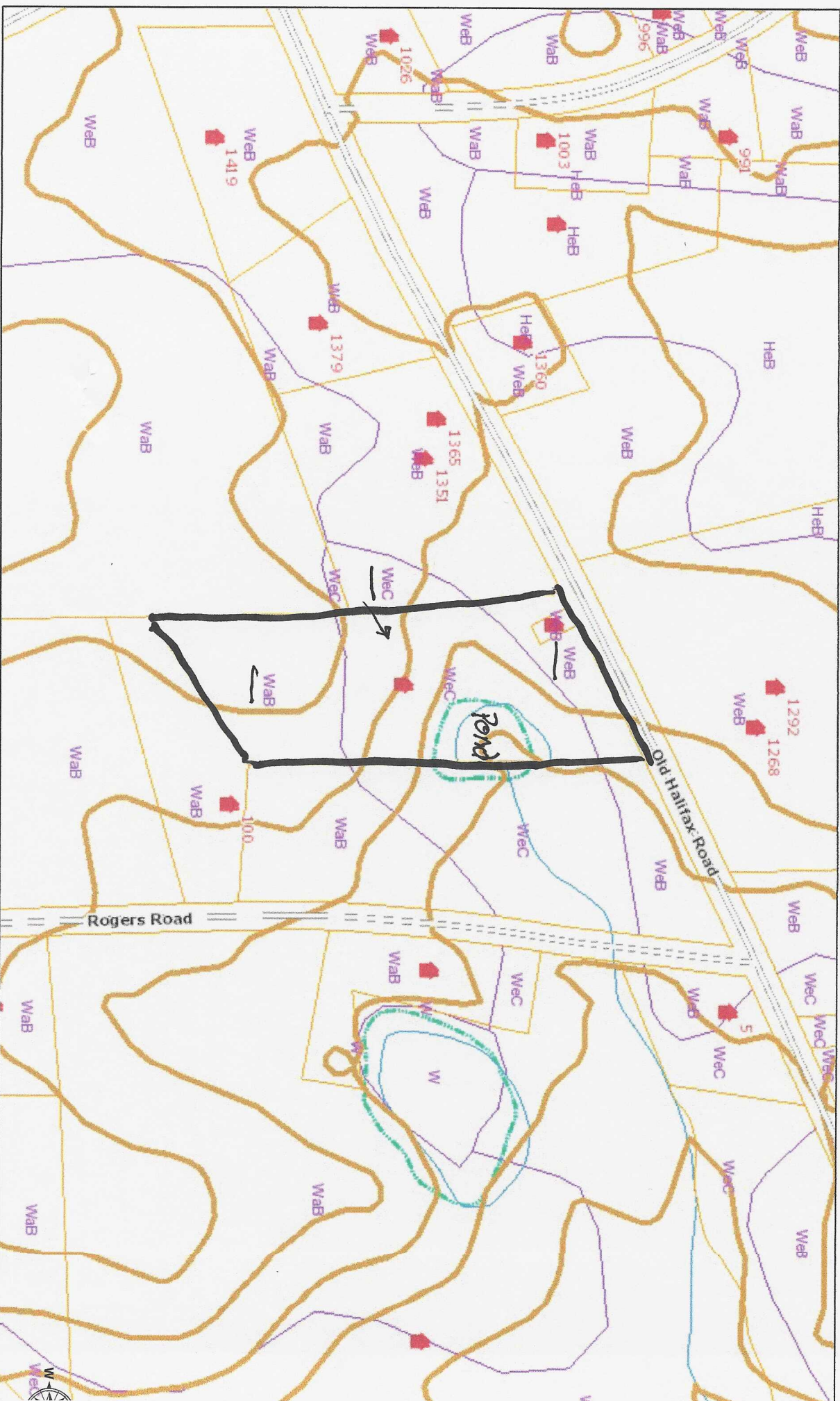
Date: April 11, 2026

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- Legend**
- 2 Suitable
 - 3 Unsuitable to Suitable
 - Soil Borings
 - Gullies-Drains



March 25, 2026

USDA Soils

WARNING: THIS IS NOT A SURVEY.
This map is prepared for the inventor or real property found within this listed
and is compiled from recorded deeds, plats, and other public records and d
users of this map are hereby notified that the above mentioned public or many inform
should use this map as a guide only. It is not to be used as a legal document.
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