



Saturday, April 22, 2023

Andrew Davis

aedavis1715@gmail.com

Re: Preliminary Soil/Site Evaluation for Harnett County Parcel # 139692 0034 02

Andrew Davis,

Per your request, a soil/site investigation was performed on the above referenced property. This investigation was performed as part of the planning process for development of single family home sites. Work was conducted to adhere to requirements set forth in Rules .1901-.1968 of Title 15A Subchapter 18A of the North Carolina Administrative Code (T15A.18A.1901-.1968). Fieldwork was completed on Friday, March 31, 2023.

Soil borings were placed at locations across the property and soil characteristics such as texture, structure, mineralogy, wetness conditions, depth to saprolite, etc. were observed. The location of borings was mapped using handheld GPS equipment (Trimble GEO 7X) and borings were flagged using survey ribbon. All soil was evaluated with a hand auger.

SITE DESCRIPTION

This property is a predominantly cleared site, 31.81 acres in size, in the Piedmont of North Carolina having sloping landscapes of mixed hardwoods. The property lies in the edge of the Carolina Slate Belt and Coastal Plain geologic region and is predominated by soils of the Cecil soil series.

FINDINGS

Soil areas were identified for onsite subsurface wastewater systems (septic systems) by criteria set forth in NC Sewage Rules according to the system type classification based on available suitable soil depths and space. The areas shown on the attached map in red single hatching are predominated by suitable soil depths of 30 inches and greater. These soil depths are indicated for use with conventional, accepted, and modified trench septic systems. Each of the sites shown on the attached map are large enough to support septic systems capable of serving a 3-5 bedroom home.


CONCLUSION

The areas noted on the attached map are categorized by the map legend based on system siting criteria from the North Carolina Rules for Sewage Treatment and Disposal Systems (.1900 Rules) for various septic system types.

It is important to note that the soil areas on the map indicated for septic system use must remain undisturbed. It is recommended that the site is not cleared with heavy equipment. To prevent damage, NO grading, filling, or vehicular traffic should be allowed on or near the septic area shown. Excess or unwarranted disturbance of the septic site may render it unsuitable for use with septic systems. This report is not a guarantee of permitting by the local health department.

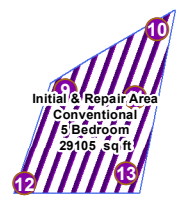
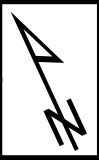
I am pleased to be of service in this matter and will be available to provide further assistance in the future if necessary to aid in the successful completion of this project.

Sincerely,


Kerry Joe Johnson, LSS



Preliminary Soil Map



Cemetery (approx.)



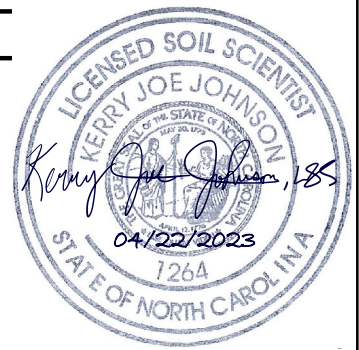
Thomas Kelly Rd

Legend:

- Soil Evaluation Locations
- ▨ <all other values>

Area_Type

- ▨ Initial Area
- ▤ Repair Area



1 inch = 250 feet

Base Map: Harnett County GIS

Davis Project
Thomas Kelly Rd. Sanford, NC
Harnett County Parcel # 139692 0034 02

This document is intended for the identification of soil areas for use in development of the property in question and is not intended to substitute for a land survey not should it be used as legal documentation for land transfer. Noted soil locations are approximate and do not infer in any way survey accuracy.