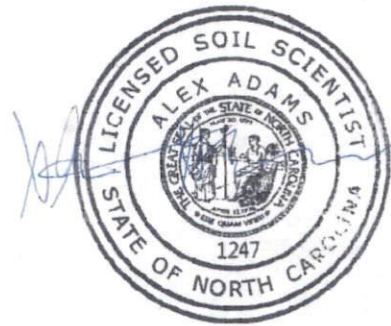
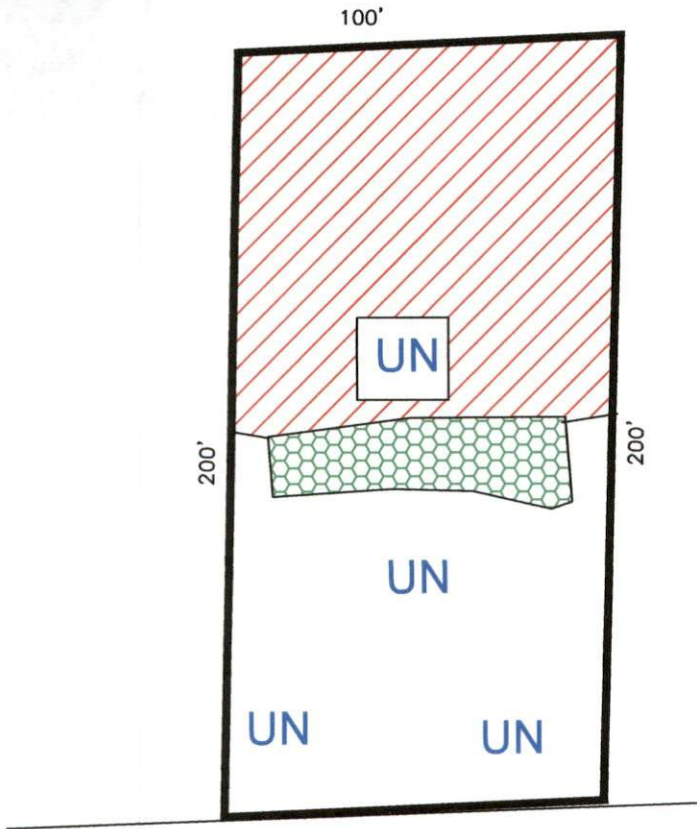


Preliminary Soil/Site Evaluation 6966 US 421 S - Erwin, NC Harnett County



US 421 S

Legend



Areas contain soils with 30 inches or more of useable material and have potential for conventional, modified conventional, LPP or ultra-shallow conventional septic systems. There may be inclusion of soils 24-29 inches to a restrictive horizon that will have potential for LPP septic systems.



Approximate location of existing gravity septic system

UN

Unsuitable areas.

GRAPHIC SCALE
1" = 50'



Adams
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August 22, 2019
Project #808

David Sexton
P.O. Box 34
Lillington, NC 27546

RE: Soil/Site an existing septic system evaluation for 6966 US 421 S, Erwin in Harnett County.

Mr. Sexton,

Adams Soil Consulting completed a soils evaluation for the above referenced parcel. The purpose of the site evaluation was to locate the existing septic system and identify a possible septic system repair area. The soil/site evaluation was performed using hand auger borings, under moist soil conditions, based on the criteria found in the State Subsurface Rules, 15ANCAC 18A .1900 "Laws and Rules for Sewage Treatment and Disposal Systems" for the soil evaluation. The owner of the property had exposed the existing tank.

At the time of the evaluation the lot was vacant. The previous dwelling was demolished and removed following a fire. A septic permit could not be located on file with the Harnett County Health Dept. The exact square footage of the existing septic leach field could not be determined. It is the desire of the property owner to place a single-family dwelling onto the property and utilize the existing septic system. Based on my observation of the tank and associated drain field I do not have any reason to assume the system will not function properly if placed back into service and the existing field may accommodate the same number of bedrooms that the previous dwelling contained. Based on conversation with the owner the previous dwelling is believed to have been a 3-bedroom. There is apparent adequate available space (8,000 ft²) for a complete repair septic field should a repair be required in the future. The suitable soil found on the property was similar to the Norfolk Soil series and was found to be suitable to a depth of 36 inches below the existing soil surface. The lot may require a repair septic system utilizing pumps, shallow or ultra-shallow conventional trench placement, low pressure pipe system, prefabricated permeable block panel system (PPBPS), and/or pretreatment system for final approval. There is an existing well on the property and the lot also has access to public water. If a repair is necessary in the future the well may have to be properly abandoned. The area for any proposed septic field shall not be impacted by home sites, pools, or garages and shall not be mechanically altered from the natural lay of the land.

The lot will require a detailed soils evaluation by the Harnett County Health Department prior to issuance of any permits for repair septic systems. A full septic design may be required before a permit can be issued on the above referenced lot demonstrating available space for the repair septic areas. Due to the subjective nature of the permitting process and the variability of naturally occurring soils, Adams Soil Consulting cannot guarantee that areas delineated as

suitable for on-site wastewater disposal systems will be permitted by the governing agency. The accompanying site sketch shows the approximate location of the existing septic system.

Please give me a call if you have any questions.

Sincerely,



Alex Adams
NC Licensed Soil Scientist #1247

