

**Adams Soil Consulting
1676 Mitchell Road
Angier, NC 27501
919-414-6761**

May 4, 2024
Project #1527-C

Scott Smith
1905 Wade Stephenson Road
Holly Springs, NC

RE: Preliminary soil/site evaluation for a single parcel of approximately 2 acres (1 acre evaluated) located adjacent to 1905 Wade Stephenson Road in Harnett County, NC.

Mr. Smith,


Adams Soil Consulting (ASC) conducted a preliminary soil evaluation on the above referenced parcel to determine the areas of soils which are suitable for subsurface wastewater disposal systems (conventional & LPP). The soil/site evaluation was performed using hand auger borings during moist soil conditions based on the criteria found in the State Subsurface Rules, 15ANCAC 18E "Laws and Rules for Sewage Treatment and Disposal Systems". From this evaluation, ASC sketched the boundary between the suitable soils and unsuitable soils onto a preliminary plat supplied by your surveyor. The soil boundary units were drawn from ground truthing utilizing GPS technology and the map is not represent a survey or created to surveying standards. This evaluation is preliminary in nature, and only a portion of the property was evaluated.

The above referenced parcel is located in the Piedmont region of Harnett County. The soils have formed from residual parent material. The suitable soils on this parcel have characteristics similar to the Cecil and/or Appling soil series. The Cecil series can be variable but was found to be predominately suitable with regards to the wastewater rules in this location. The attached soil map indicates the areas of suitable vs. unsuitable soils. The "cross-hatched" soil area is generally suitable for subsurface wastewater systems. That is, the morphology of the soils contains suitable characteristics that would support subsurface septic systems such as clay textured subsoils which is not considered expansive and has blocky structure with no indicators of restrictive characteristics within 20 inches of the soil surface. This area may be suitable for modified conventional, LPP, ultra-shallow conventional, drip, or low-profile chamber type septic systems. However, any potential lot may require a septic system utilizing pumps, shallow or ultra-shallow conventional trench placement, low pressure pipe system, pre-treatment, and/or complex reductions systems for final approval.

This report discusses the location of suitable soils for subsurface wastewater disposal systems and does not guarantee any permits or approval required by the local health department. Adams Soil Consulting is a professional consulting firm specializing in soil delineations and design for on-site wastewater disposal systems. The rules governing on-site wastewater disposal systems are complex and the interpretation of the rules are based upon the opinions of regulators (state and county level). Due to the subjective nature of the permitting process and the variability of naturally occurring soils, ASC cannot guarantee that areas delineated as suitable for on-site wastewater disposal systems will be permitted by the governing agencies. These permitting considerations should be taken into account before a financial commitment is made on a tract of land. No further subdivision should take place without a more detailed investigation.

If you have any questions regarding the findings on the attached map or in this report, please feel free to contact me anytime.
this site evaluation for you.

Sincerely,




Alex Adams
NC Licensed Soil Scientist #1247
Encl: Soil Map



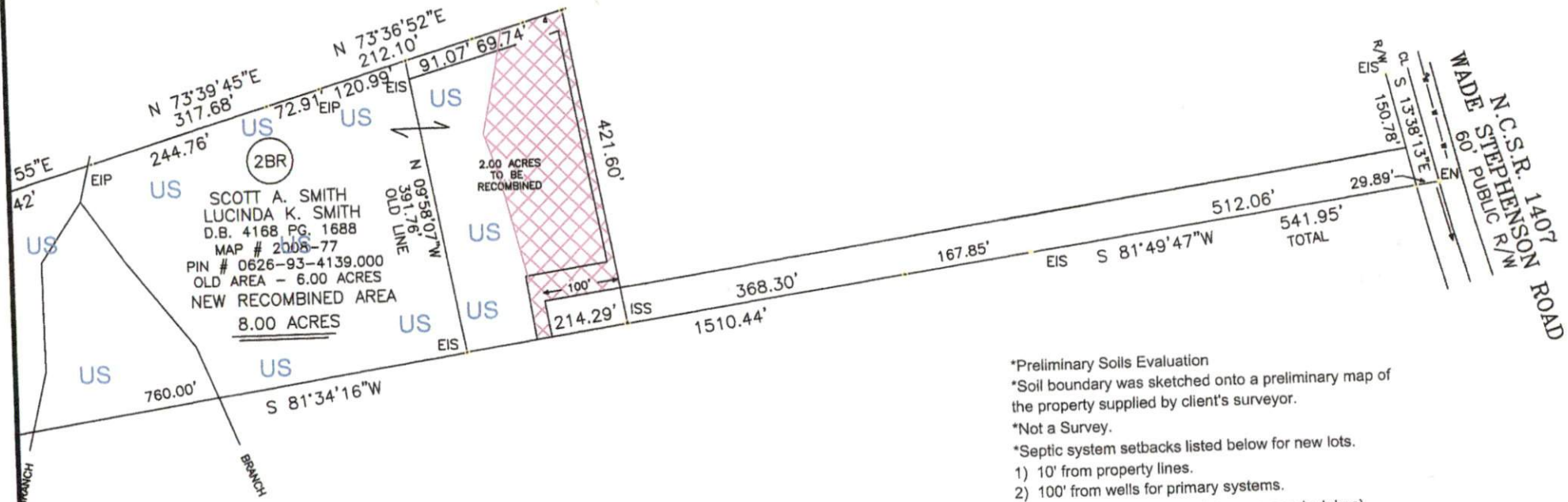
Preliminary Soils Evaluation
 1905 Wade Stephenson Road
 Scott Smith - Harnett County, NC (PIN#: 0626-93-4139)



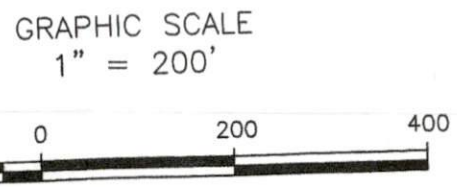
Legend

 Areas contain soils with 30 inches or more of useable soil 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.

US Areas Not Evaluated



- *Preliminary Soils Evaluation
- *Soil boundary was sketched onto a preliminary map of the property supplied by client's surveyor.
- *Not a Survey.
- *Septic system setbacks listed below for new lots.
 - 1) 10' from property lines.
 - 2) 100' from wells for primary systems.
 - 3) 50' from surface waters (streams, ponds, lakes).
- *Any mechanical disturbances such as grading, cutting and filling of the suitable soil areas can render areas unsuitable for future septic systems.
- *See accompanying report for additional information.
- *Due to Soil Variability, Adams soil consulting cannot guarantee that the areas shown as suitable will be permitted by the local Health Department.



Adams
 Soil Consulting
 919-414-6761
 Project #1527-C
 5-1-24