

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

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February 19, 2024  
Project #1881

Attention: Justin Tahilramani  
Sandhills Real Estate Holdings, LLC

RE: Preliminary soil/site evaluation for approximately 1.58 acres located adjacent to Brower Road in Harnett County, NC (PIN #9574-27-2962).

Mr. Tahilramani,

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 18A .1900 "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 topographic map take from the Harnett County GIS data base. 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 and a more comprehensive evaluation will be required prior to a final subdivision submittal.

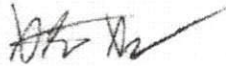
The above referenced parcel is located in the Coastal Plain region of Harnett County. The soils have formed from marine parent material. The suitable soils on this parcel have characteristics similar to the Blaney soil series. This soil series can have a variable depth to suitability with regards to the wastewater rules in this location. Any particular proposed lot will need to be evaluated individually once a subdivision proposal is developed. The attached soil map indicates the areas of suitable vs. unsuitable soils. The "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 sandy clay loam textured subsoils which is not considered expansive and have blocky structure with no indicators of restrictive characteristics within 30 inches of the soil surface. Based on my understanding of your future plans for the parcel, it is my opinion that the existing lot could accommodate at least 3 future septic and repair systems for future homesites. Final approval would depend on the final subdivision plan. 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.

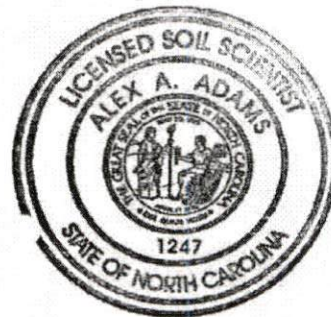
This report discusses the location of suitable soils for subsurface wastewater disposal systems and does not guarantee any permits or approval required by the local health department. Adams Soil Consulting is a professional consulting firm specializing in soil delineations and design for on-site wastewater 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.

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

Sincerely,



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



# Preliminary Soil Evaluation

~1.58 acres - Brower Road  
 Sandhills Real Estate Holdings, LLC  
 Harnett County (PIN# 9574-27-2962)

**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.

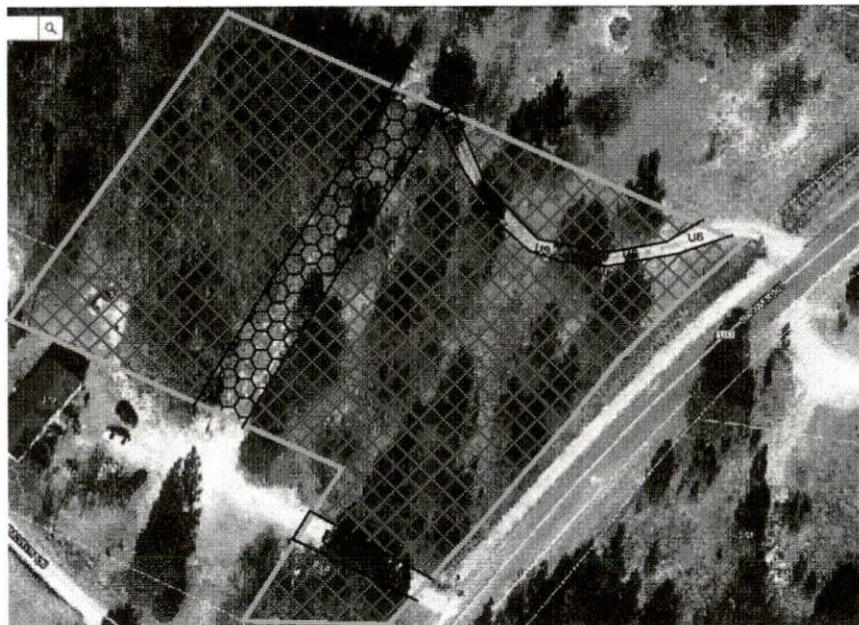


Approximate location of overhead power line easement

**US**

Unsuitable Areas for conventional type septic systems.

\*Not a Survey  
 (sketched from public records)



\*Preliminary Soils Evaluation  
 \*Soil boundary was sketched onto a preliminary map of the property supplied by the 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.

GRAPHIC SCALE  
 1" = 100'



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