

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

July 11, 2019
Project #793

Jeffery Armstrong

RE: Preliminary soil/site evaluation for a portion of a ~10.1-acre tract located adjacent Brick Mill Road in Harnett County.

Mr. Armstrong,

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 and the suitable soil boundary was sketched map boundary taken from the Harnett County GIS data base. The included soil map is preliminary in nature a more detailed investigation may be needed for any future subdivision or development. Only a portion of the property was evaluated, there may be additional areas of suitable soil that are not shown on the associated soil map.

The suitable soils shown on the accompanying soil map are suitable for a conventional type initial and repair area for potentially 2 - 3-bedroom homes. The lot contains greater than 30,000 ft² of suitable soils that consist of sandy clay loam subsoil that can support a daily loading rate of 0.275-0.6 gallons/day/ft². The specific septic system and loading rates for this lot will be permitted by the Harnett County Health Department. The areas for the proposed septic fields shall not be impacted by home sites, pools, garages and shall not be mechanically altered from the natural lay of the land. The lot should accommodate home foot prints of at least 100' x 100'.

The lot will require a detailed soils evaluation by the Harnett County Health Department prior to issuance of any permits for a septic system. A more detailed evaluation may be required prior to any future subdivision. A septic system layout may be required before a permit can be issued on the above referenced lot demonstrating available space for the primary and 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 lot may require a septic system utilizing pumps, shallow or ultra-shallow conventional trench placement, low pressure pipe system, and/or reductions system for final approval. The accompanying soil map is preliminary in nature, no further assumptions or subdivision should be made without a more detailed evaluation.

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

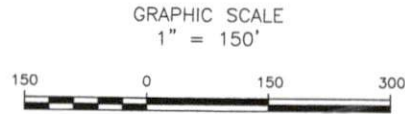


Preliminary Soils Evaluation
 Portion of ~10.1 acre tract (PIN #0690-20-8756.000)
 Harnett County, NC



*Preliminary Soils Evaluation
 *Soil boundary was sketched onto a preliminary map of the property taken from public records.
 *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.

 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.
 US Unsuitable areas or areas not evaluated



Adams
 Soil Consulting
 919-414-6761
 Project #793