

**Adams Soil Consulting**

1676 Mitchell Road  
Angier, NC 27501  
919-414-6761

December 18, 2017  
Project # 560

Zareda Strobel

RE: Preliminary soil/site evaluation on a portion of the 16.23-acre tract located adjacent to Rosser Pittman Road in Harnett County, NC.

Ms. Strobel,

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 onto an aerial photo taken from the Harnett County GIS data base.

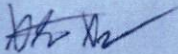
The suitable soils shown on the accompanying soil map have potential for a conventional type initial and repair areas for multiple individual septic systems that would accommodate 3-bedroom home sites. The lot contains greater than 6 acres (261,000 ft<sup>2</sup>) of suitable soils that consist of sandy clay loam and clay subsoil that can support a daily loading rate of 0.3-0.4 gallons/day/ft<sup>2</sup>. In practice any potential lot will need approximately 10,000 – 12,000 ft<sup>2</sup> of suitable soil to accommodate a septic and repair area.

The specific septic systems and/or repair systems will be permitted by the Harnett County Health Department. Additionally, the Harnett County Health Department will establish the loading rates for any proposed system/lot. 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.

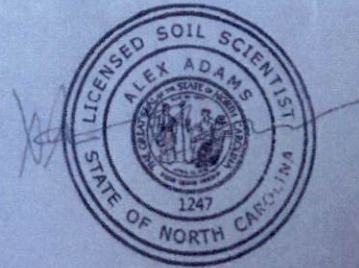
Any future lots will require a detailed soils evaluation by the Harnett County Health Department prior to issuance of any permits for a septic system. A septic system layout may be required before a permit can be issued on the above referenced lot demonstrating available space for the primary and repair 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. Any proposed lots 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.

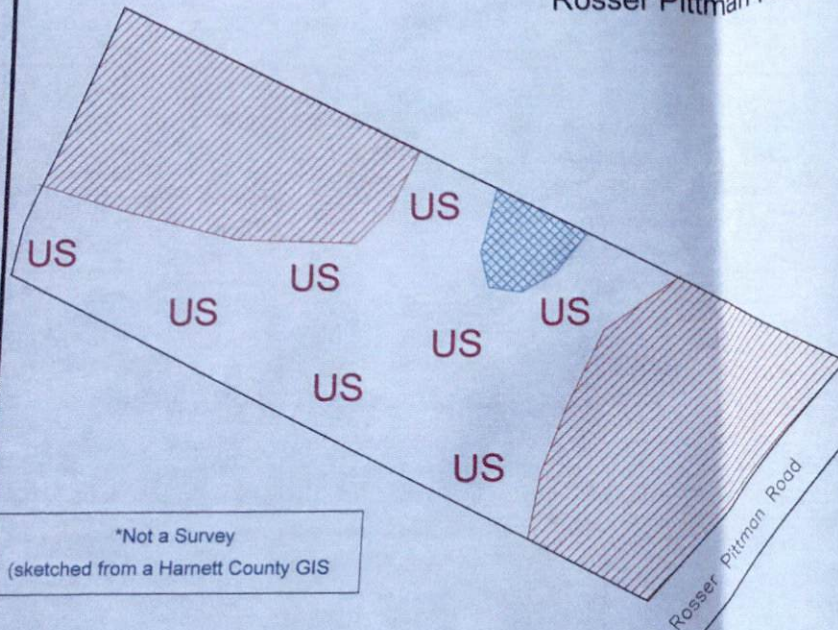
Sincerely,




Alex Adams  
NC Licensed Soil Scientist #1247




Preliminary Soils Evaluation  
 16.23 acres  
 Rosser Pittman Road - Harnett County NC



Legend

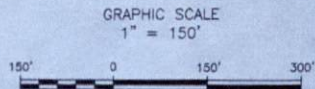
 Areas contain soils with 30 inches or more of useable material and have potential for conventional, modified conventional, LPP or ultra-shallow conventional septic systems. There may be inclusion of soils 24-29 inches to a restrictive horizon that will have potential for LPP septic systems.

 Areas contain soils with 24 inches or more of useable material and have potential for Ultra-shallow conventional, LPP type septic systems.

**US** Unsuitable Areas

\*Not a Survey  
 (sketched from a Harnett County GIS)

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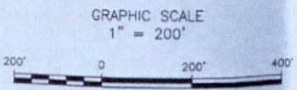
- \*Preliminary Soils Evaluation
- \*Not a Survey (sketched from preliminary plat).
- \*Septic system setbacks listed below for new lots.
  - 1) 10' from property lines.
  - 2) 100' from wells for primary and repair systems.
  - 3) 50' from surface waters (streams, ponds, lakes).
- \*Any mechanical disturbances such as grading, cutting and filling of the suitable soil areas can render areas unsuitable for future septic areas.
- \*See accompanying report for additional information.
- \*Base map sketched from preliminary plat map
- \*Due to Soil Variability, Adams Soil Consulting cannot guarantee that the areas shown as suitable will be permitted by the local Health Department.
- \*A more detailed soil evaluation should be performed prior to further subdivision.

Preliminary Soils Evaluation  
 16.23 acres  
 Rosser Pittman Road - Harnett County NC



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