

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

Rob Brown

July 1, 2020
Project #948

RE: Preliminary soil/site evaluation for approximately 3.45 acres located adjacent McLean Chapel Church Road in Harnett County, NC.

Mr. Brown,

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 taken from the Harnett County GIS data base. This evaluation is preliminary in nature. A more comprehensive evaluation may be required prior if a subdivision is planned.


The suitable soils shown on the accompanying soil map are suitable for conventional type septic systems. Only a portion of the property was evaluated at the request of the client. The suitable soil area shown on the accompanying map is composed of provisionally suitable soils that consist of clay subsoil that can support a daily loading rate of 0.3-0.4 gallons/day/ft². Any future septic system and loading rate for this property will be permitted by the Harnett County Health Department. The areas for the proposed septic fields shall not be impacted by building sites, parking lots, pools, etc., and shall not be mechanically altered from the natural lay of the land. One soil unit were delineated on the property the red "hatched" area is potentially suitable for conventional type septic systems. The property could potentially accommodate more than one future homesite based on my observations.

The property 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. 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.

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

