

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

February 15, 2022
Project #1370

Jimmy Johnson
48 Progressive Parkway
Angier, NC 27501

RE: Preliminary soil/site evaluation for Lots 3-5 of the minor subdivision located adjacent to Cornwallis Road in Duplin County, NC.

Mr. Johnson,

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 preliminary plat map of the property supplied by your surveyor. The suitable soils shown on the accompanying soil map are suitable for conventional type septic systems.

Lots 3-5 all contain greater than 20,000 ft² of provisionally suitable soil that could be used for a septic system or repair area and should support a house foot print of at least 60' X 60'. The suitable soils found on this property consist of a sandy loam, sandy clay, or clay subsoils that can support a daily loading rate of 0.3-0.4 gallons/day/ft².

The specific septic system and loading rates for each lot will be permitted by the Duplin 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 lots will require a detailed soils evaluation by the Duplin County Health Department prior to issuance of any permits for septic systems. A septic system design/ 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. I can offer these services if requested. 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 lots may require septic systems 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.

Thank you for allowing me to perform this service for you. Please let me know if you have any questions regarding this report or the accompanying soil map.

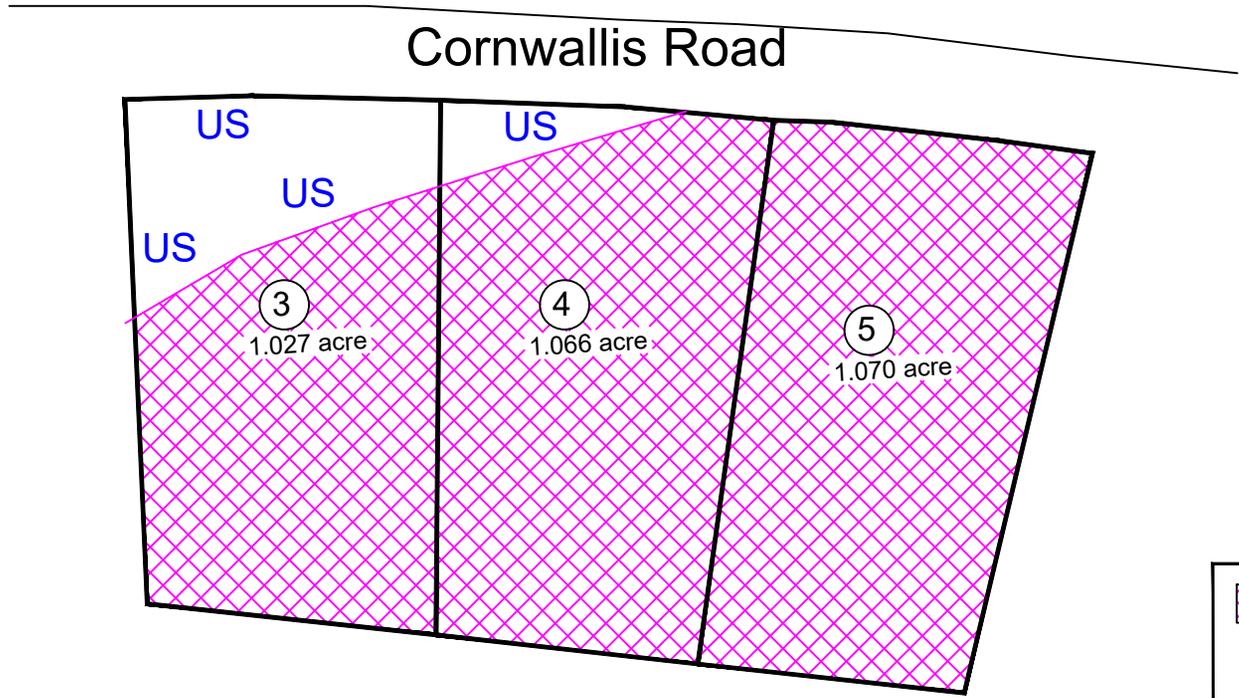
Sincerely,



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



Preliminary Soils Evaluation
 Lots 3-5 - Cornwallis Road
 Duplin County, NC



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

US Unsuitable areas for onsite waste water disposal.

*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.

***Not a Survey**
 (sketched from preliminary plat)

GRAPHIC SCALE
 1" = 100'



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