

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

March 12, 2025
Project #2099

Attention: Cher Perna

RE: Preliminary soil/site evaluation for a single parcel of approximately a parcel of approximately 30.4 acres located adjacent to 6400 Wimberly Road in Wake County, NC (PIN 0684766848) **Only a portion of the property evaluated.

Ms. Perna,

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 evaluation was performed using hand auger borings during moist soil conditions based on the criteria found in the State Subsurface Rules, 15ANCAC "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 background map taken from the Wake County GIS database. Only a portion of the property was evaluated.

The suitable soils shown on the accompanying soil map have potential for a conventional type septic system. There is potentially adequate available space for an initial and repair area for two single family home sites on the parcel in the general areas identified on the attached soil map. A bedroom count cannot be specified without a full septic design, but there is apparently adequate available space for at least one 5-bedroom home and potential for outbuildings. Any structure would need to be outside of the specific designated septic system (to be determined). The lot contains approximately 60,000 ft² or more of provisionally suitable soils in each of the areas evaluated. The provisionally suitable soil was found to consist of a sandy clay loam textured subsoils that could support a daily loading rate of 0.25-0.4 gallons/day/ft². The areas shown as provisionally suitable may not account for any easement areas or underground utilities that would need to be avoided.

The specific septic systems and/or repair systems will be permitted by the Wake County Health Department or other permitting authority. Additionally, the Wake County Health Department or other permitting authority will establish the loading rates for any proposed system. 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 will require a detailed soils evaluation by the Wake County Health Department or other permitting authority prior to issuance of any permits for a septic system depending on final site plan. A septic system layout/design 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

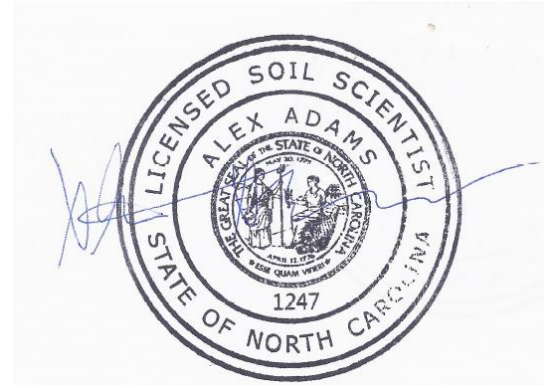
Soil Consulting cannot guarantee that areas delineated as suitable for on-site wastewater disposal systems will be permitted by the governing agency. The lot may require a septic system utilizing pumps, shallow or ultra-shallow conventional trench placement, low pressure pipe system, and/or reductions 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 Soil Evaluation

6400 Wimberly Road

Wake County NC

Date of evaluation: 3-7-25

*Not a Survey
(sketched from public records)

*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.

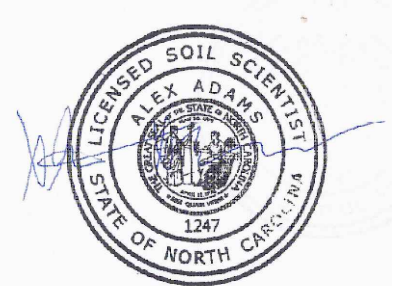
3) 50' from surface waters (streams, ponds, lakes).

*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.

* A more detailed soil evaluaition is required prior to final subdivision planning.



Legend



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

NE

Areas Not Evaluated

GRAPHIC SCALE

1" = 120'



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