

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

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November 14, 2019  
Project #837

Gerald Atkins

RE: Preliminary soil/site evaluation for approximately 1 acre of an approximate 19-acre parcel located adjacent to Tyler Dewar Ln in Harnett County.

Mr. Atkins,

Adams Soil Consulting (ASC) conducted a preliminary soil evaluation on the above referenced parcels 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 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 background map taken from Harnett County GIS database.

The suitable soils shown on the accompanying soil map have potentially provisionally suitable soil that could accommodate conventional type initial and repair septic areas for at least one 4-bedroom homesite. The parcel contained greater than 20,000 ft<sup>2</sup> of provisionally suitable soil to a depth of at least 30" below the existing soil surface. A more detailed evaluation will be required for any property subdivision. Only a portion of the property was evaluated per your request, but there are apparently multiple places on the property that a system could be located.

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. 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. .

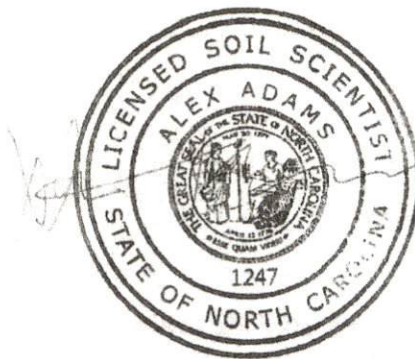
Any proposed lot will require a detailed soils evaluation by the Harnett County Health Department prior to issuance of any permits for a septic system. A septic system layout may be required before a permit can be issued on the above referenced lot demonstrating available space for the primary and repair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

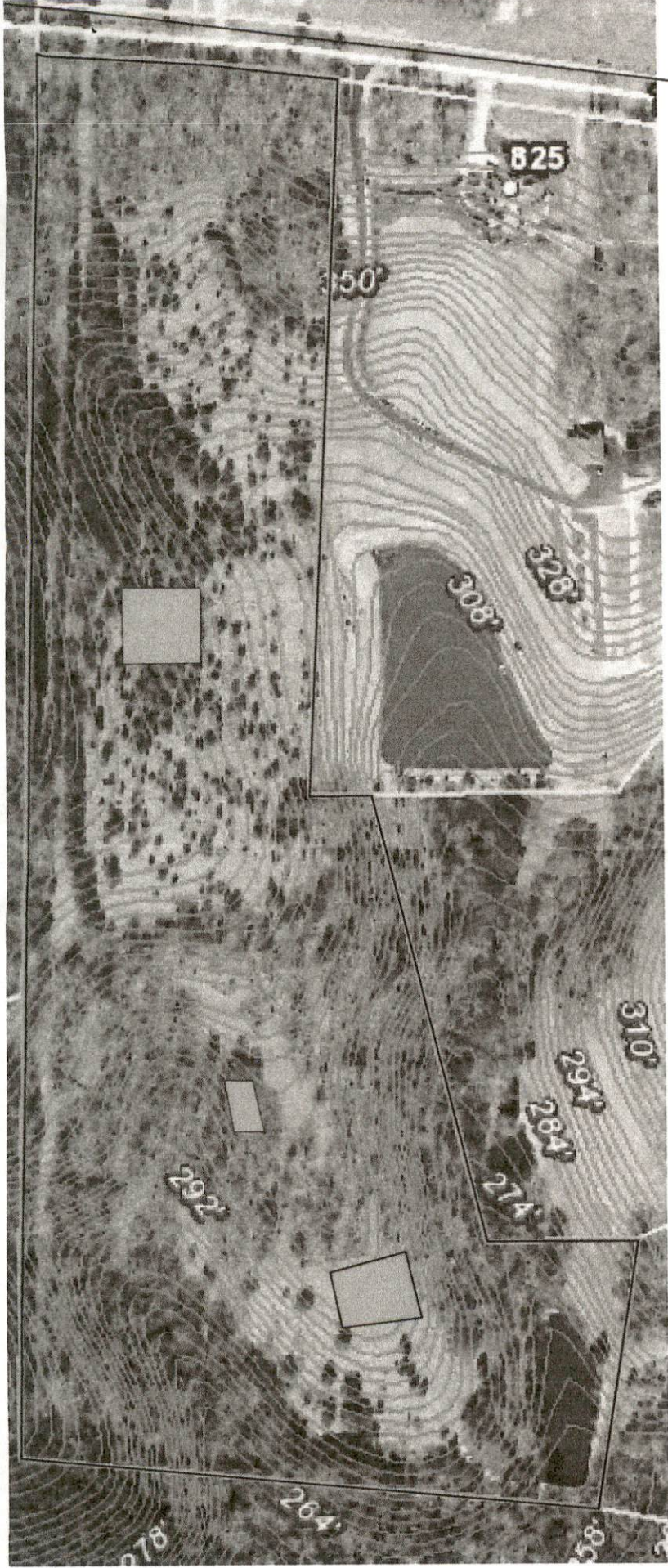
If you have any questions regarding the findings on the attached map or in this report, please feel free to contact me anytime. Thank you allowing me to perform this site evaluation for you.

Sincerely,




Alex Adams  
NC Licensed Soil Scientist #1247



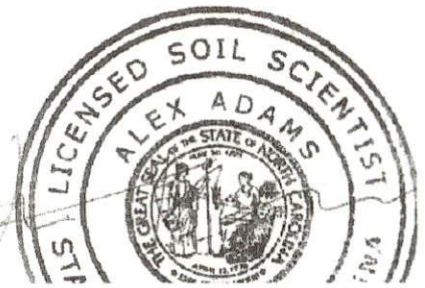


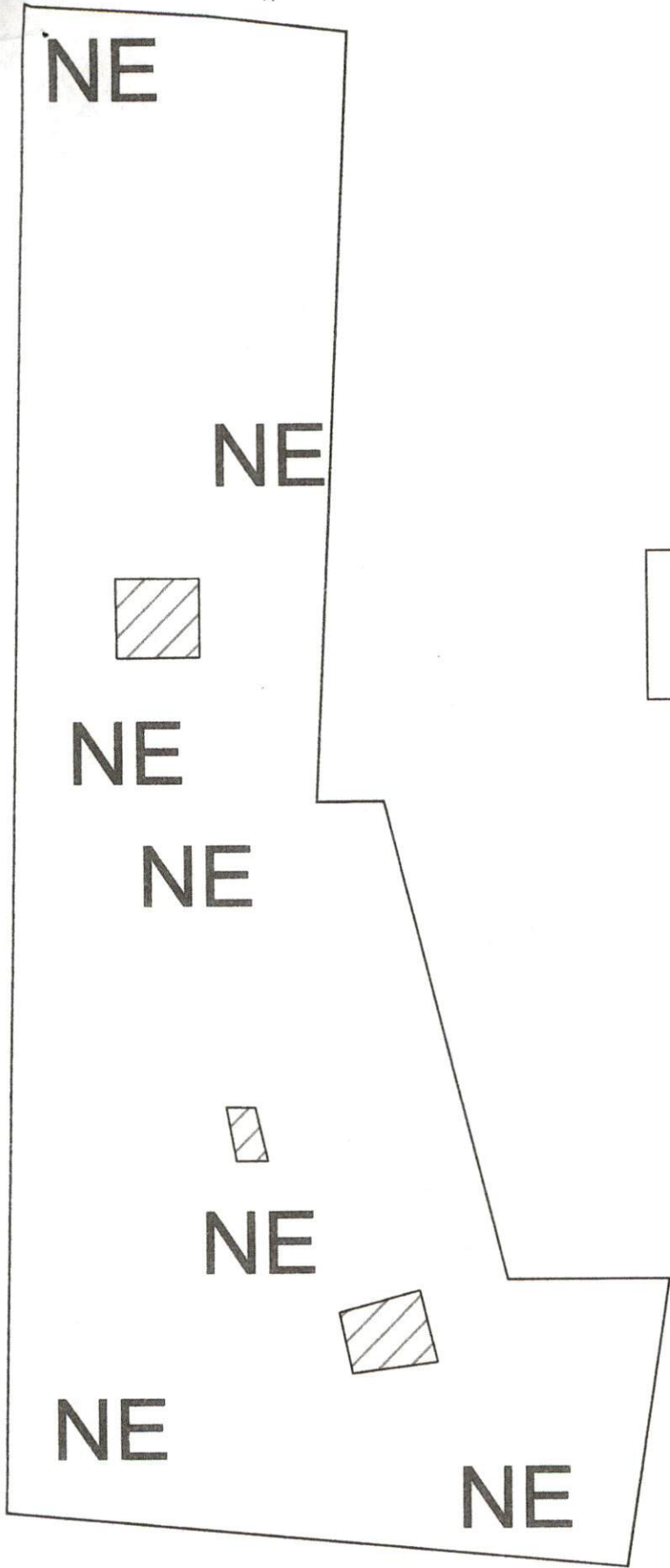
\*Not a Survey  
 \*\*Not to Scale

Legend


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


**NE** Areas Not Evaluated





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Legend

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