

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

February 13, 2020  
Project #870

Dennis and Denise Brewster

RE: Preliminary soil/site evaluation for approximately 0.59 acres located at 66 Chic Ennis Road in Harnett County.

Mr. and Ms. Brewster,

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.

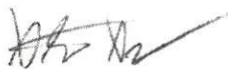
The suitable soils shown on the accompanying soil map have potential for a conventional type initial and repair area for at least one 3-bedroom home site. The lot contains greater than 20,000 ft<sup>2</sup> of suitable soils that consist of sandy clay loam subsoil that can support a daily loading rate of 0.3-0.4 gallons/day/ft<sup>2</sup>. The lot should accommodate a house foot print of at least 40' x 40'.

The specific septic system and/or repair system 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.

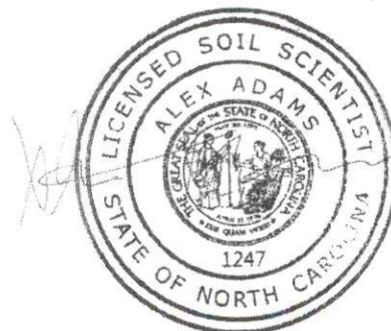
The lot will require a detailed soils evaluation by the Harnett County Health Department prior to issuance of any permits for a septic system. A septic system layout may be required before a permit can be issued on the above referenced lot demonstrating available space for the primary and repair septic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

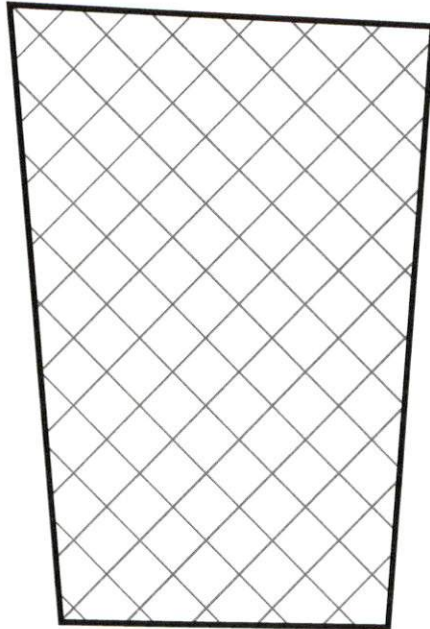
Sincerely,



Alex Adams  
NC Licensed Soil Scientist #1247



Preliminary Soil Evaluation  
66 Chic Ennis Road  
Dennis and Denise Brewster



Chic Ennis Road

\*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.

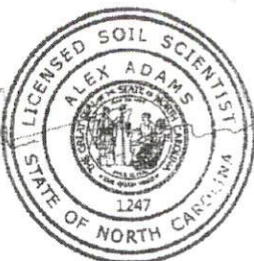
\*See accompanying report for additional information.

\*Due to Soil Variability, Adams soil consulting cannot guarantee that the areas shown as suitable will be permitted by the local Health Department.

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.



GRAPHIC SCALE

1" = 60'



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