

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

December 4, 2024
Project #2047

Benton W. Dewar and Associates
Professional Land Surveyor
5920 Honeycutt Road
Holly Springs, NC 27540

RE: Preliminary soil/site evaluation for Lot #2 of the minor subdivision for Danny Ray and Jane Jarmon located adjacent to "Jarmon Ln" off Cotton Road in Harnett County.

Mr. Dewar,

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 18E. The suitable soil boundary was sketched onto a preliminary plat supplied by Benton W. Dewar and Associates Professional Land Surveyor.

At the time of evaluation, the lot were vacant and in agricultural production. The suitable soils shown on the accompanying soil map have potential for a conventional, modified conventional, or alternative type initial and repair area for at least one 4-bedroom home site. The lot contain greater than 40,000 ft² of suitable soils that consist of a clay subsoil that can support a daily loading rate of 0.25-0.4 gallons/day/ft². The lot should accommodate a house foot print of at least 60' x 60'. The residual parcel was greater than 10 acres and was not part of this investigation.

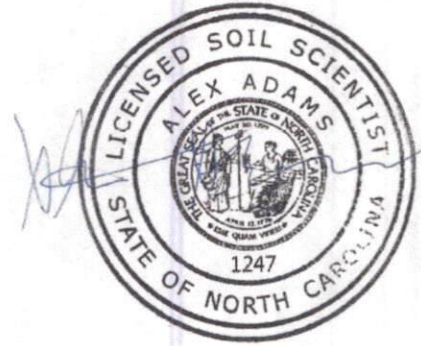
The lot will require a detailed soils evaluation by the Harnett County Health Department or permitting authority prior to issuance of any permits related to any future septic system. A septic system design may be required before a permit can be issued on the above referenced lot demonstrating available space for a septic system. 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 local county agency. The lot may require a septic system utilizing pumps, shallow or ultra-shallow conventional trench placement, low pressure pipe system, pre-treatment, and/or reductions systems 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
 Danny Ray and Jane Jarmon
 Minor Subdivision - Lot#2
 Harnett County NC
 Jarmon Ln
 December 3, 2024

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. |
| UN | Unsuitable areas for conventional type septic systems |
| NE | Areas Not Evaluated |

- *Preliminary Soils Evaluation - only a portion of the property was evaluated.
- *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.
- *A more detailed soil evaluation is required prior to final subdivision planning.

