

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

October 26, 2021
Project #1286

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

RE: Preliminary soil/site evaluation for Lot #1 of the minor subdivision for Bobby T. Dewar and Larry W. Dewar located adjacent to Tyler Dewar Road in Harnett County, NC.

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 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 Benton W. Dewar and Associates, Professional Land Surveyor. The suitable soils shown on the accompanying soil map are potentially suitable for conventional type septic systems. The residual parcel was greater than 10 acres and was not part of this evaluation.

At the time of evaluation Lot #1 was vacant of any residential structures. There was greater than 15,000 ft² of provisionally suitable soil located on the parcel that could potentially support a conventional type septic system as well as a repair septic area for a new homesite. A new home footprint of at least 60' x 60' should be able to be located on lot 1. The provisionally suitable soil found on the property had characteristics similar to the Norfolk and/or Dothan Soil series and should support a daily loading rate of 0.275-0.35 gallons/ft²/day.

The specific septic system and loading rates for the lot will be permitted by the Harnett 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 soil/site evaluation by the Harnett 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 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.

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



