

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

April 14, 2020
Project #913

Lester Stancil & Associates,
Professional Land Surveyors, P.A.
P.O. Box 730
98 E. Depot Street
Angier, NC 27501

RE: Preliminary soil/site evaluation for Lot #2 of the minor subdivision for Stewart Truman Smith located adjacent to Purfoy Road in Harnett County.

Mr. Stancil,

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". The suitable soil boundary was sketched onto a preliminary plat supplied by Stancil and Associates, Professional Land Surveyor.

At the time of the evaluation Lot #2 was vacant and in agricultural production. The suitable soils shown on the accompanying soil map have potential for a conventional or an initial and repair system for a new single-family dwelling. The lot contains greater than 40,000 ft² of provisionally suitable soils that consist of sandy clay loam subsoil that can support a daily loading rate of 0.3-0.4 gallons/day/ft². The lot should accommodate a house foot print of 100' X 100'. The areas for the proposed septic and repair 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 related to the septic system. A septic system repair design may be required before a permit can be issued on the above referenced lot demonstrating available space for the 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. If a repair is needed in the future it 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

