

**Adams Soil Consulting  
1676 Mitchell Road  
Angier, NC 27501  
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October 23, 2016

RE: Preliminary soil/site evaluation for Lot #1 and #2 of the minor subdivision located adjacent to Sheriff Johnson Road in Harnett County (existing PIN #0671-82-5257.000).

To whom it may concern,

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 and the suitable soil boundary was sketched onto a preliminary plat supplied by Joyner Piedmont Surveying.

The suitable soils shown on the accompanying soil map are suitable for a conventional type initial and repair area for at least one 4-bedroom home on Lot #1 and #2. Both lots contain greater than 30,000 ft<sup>2</sup> of suitable soils that consist of clay subsoil that can support a daily loading rate of 0.3-0.4 gallons/day/ft<sup>2</sup>. The specific septic system and loading rates for this 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. Both lots should accommodate a house foot print of at least 60' x 60'.

Lot #2 contained an existing unoccupied dwelling at the time of the evaluation. The home site is vacant and is not considered to be habitable. Any existing septic systems should not be considered adequate for any future home.

The lots will require a detailed soils evaluation by the Harnett County Health Department prior to issuance of any permits for a septic system or a repair. 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

