

BRES 2309-0052

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

Colton Swaim

September 24, 2022
Project #15014

Eric Swaim
1582 Ashe Ave
Dunn, NC 28334

RE: Preliminary soil/site evaluation for Lot #3- of the minor subdivision for located adjacent to 1582 Ashe Avenue in Dunn, NC (Harnett County)

Mr. Swaim,

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 your surveyor. The provisionally suitable soils shown on the accompanying soil map have potential for conventional type septic system.

At the time of evaluation Lot #3 was vacant with no indications of previous structures on the property. Greater than 25,000 ft² of provisionally suitable soil was located on parcel "4B" 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 50' x 50' should be able to be located on lot 4B. The provisionally suitable soil found should support a daily loading rate ranging from 0.3-0.6 gallons/ft²/day. The residual parcel was greater than 10 acres in area and was not part of this investigation.

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 lot 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 any permits can be issued on the above referenced lots 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

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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

