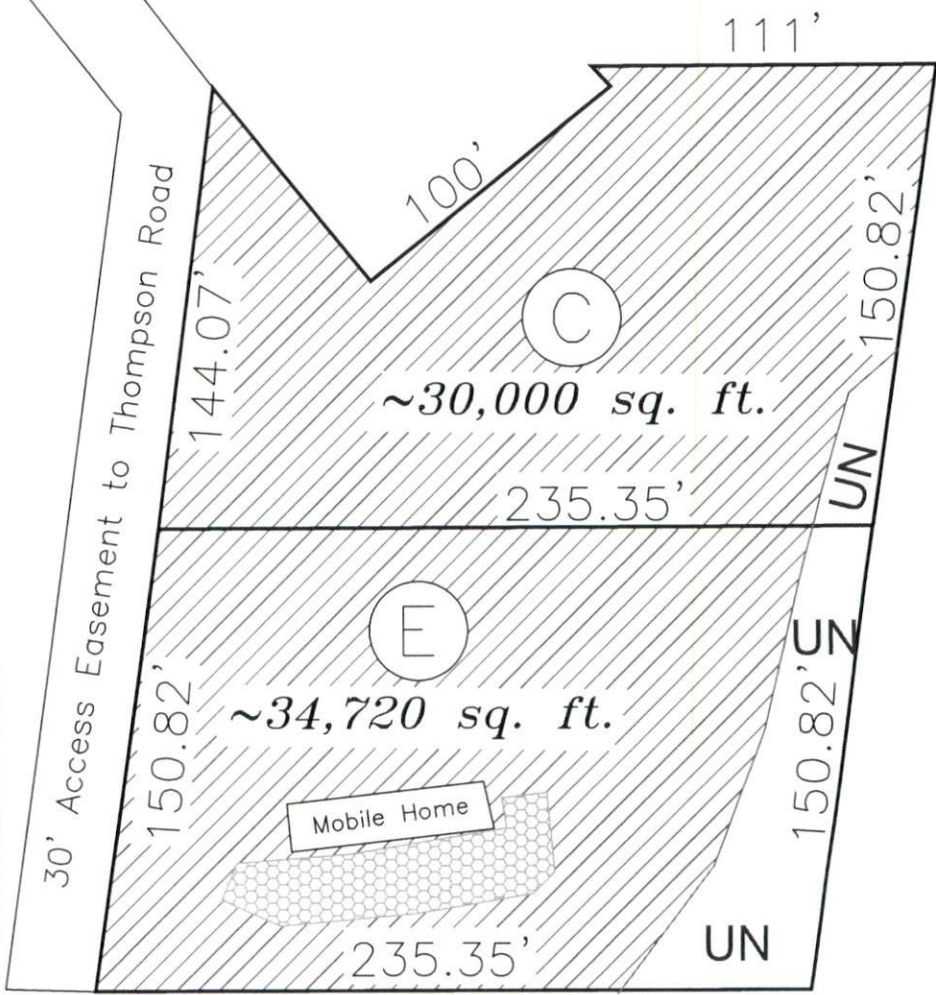




Preliminary Soil Evaluation  
Spears Property  
Lots #C and E - Thompson Road  
Harnett County NC

Thompson Road



Legend

 Areas contain soils with 30 inches or more of useable material and have potential for conventional, modified conventional, LPP or ultra-shallow conventional septic systems. There may be inclusion of soils 24-29 inches to a restrictive horizon that will have potential for LPP septic systems.  
 Approximate location of existing gravity septic system  
 UN Unsuitable areas.

\*Not a Survey  
(sketched from preliminary proposal)

\*Preliminary Soils Evaluation  
 \*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.



GRAPHIC SCALE  
1" = 60'



Adams  
Soil Consulting  
919-414-6761  
Project #1451

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

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June 15, 2022  
Project #1451

Shawn Spears

RE: Preliminary soil/site evaluation for Lots "C" and "E" of the minor subdivision for Glenda Spears, Carolyn Spears, and Glenda Matthews located adjacent to Thompson Road in Harnett County, NC.

Mr. Spears,

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 are suitable for conventional type septic systems.

At the time of evaluation Lot #E contained a residential mobile home serviced by a gravity septic system. There was no evidence of past or current septic system failure. The existing system will apparently be completely located within the new property lines and meet all current setbacks. Additionally, approximately 10,000 ft<sup>2</sup> of provisionally suitable soil was identified that could be utilized for a repair septic system should a repair be required in the future. There was greater than 25,000 ft<sup>2</sup> of provisionally suitable soil located on parcel "C" 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 C. The provisionally suitable soil found on the property had characteristics similar to the Norfolk and/or Wagram Soil series and should support a daily loading rate of 0.3-0.4 gallons/ft<sup>2</sup>/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

