

# Preliminary Soils Evaluation Elizabeth Ann Oliver Head Lot #2A & #2B - 1430 Mabry Road Harnett County, NC

\*Not a Survey  
(sketched from preliminary plat)

**Legend**



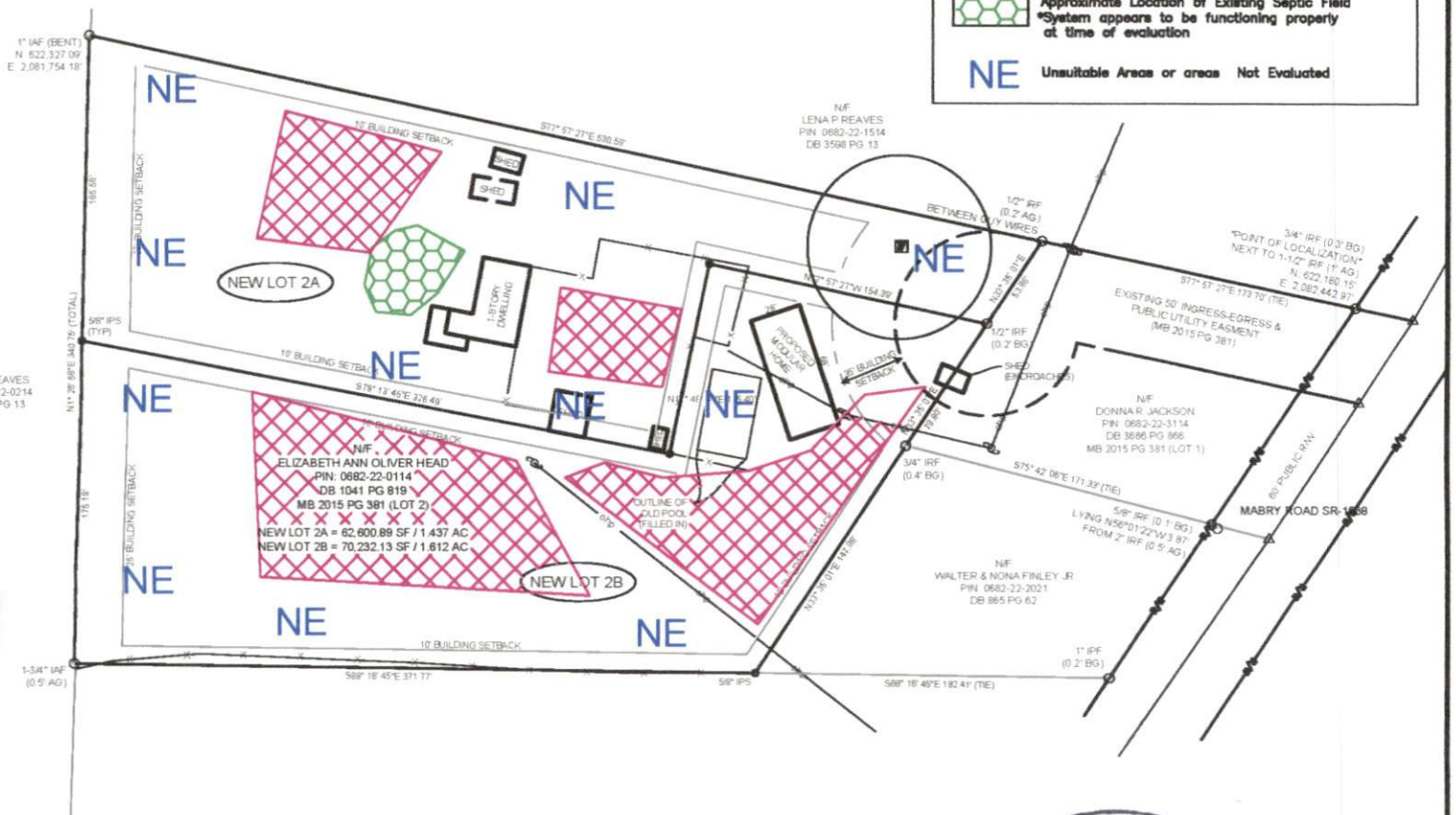
Areas contain soils with 30 inches or more of usable material and have potential for conventional, modified conventional, LPP or ultra-shallow conventional septic systems. There may be inclusion of soils 24-28 inches to a restrictive horizon that will have potential for LPP septic systems.



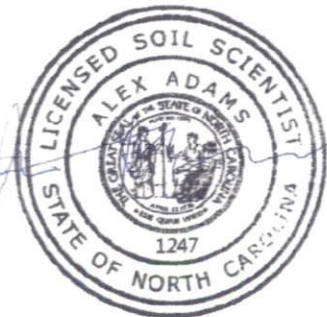
Approximate Location of Existing Septic Field  
\*System appears to be functioning properly at time of evaluation

**NE**

Unsuitable Areas or areas Not Evaluated



- \*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" = 100'



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June 7, 2023  
Project #1685

RE: Preliminary soil/site evaluation for Lots 2A & 2B of the minor subdivision for Elizabeth Ann Oliver Head located adjacent to 1430 Mabry in Harnett County

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 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 suitable soils shown on the accompanying soil map are suitable for subsurface type septic systems.

Lot #2B was found to contain greater than 10,000 ft<sup>2</sup> of provisionally suitable soil that could be used for new septic and repair system for single family home. The provisionally suitable soil extended to a depth of 24" or more below the existing soil surface. The suitable soils found on this property consist of a sandy loam, sandy clay, or clay subsoils that can support a daily loading rate of 0.3-0.6 gallons/day/ft<sup>2</sup>. The lot should support a house foot print of at least 60' X 60'.

At the time of evaluation Lot #2A contained an existing home serviced by an individual gravity septic system. The location of the septic system was identified by the current resident and confirmed by me. The septic system will be located within the newly proposed property lines and conform to all setbacks. There was no evidence of septic system failure at the time of evaluation. Additionally, 10,000 ft<sup>2</sup> of provisionally suitable soil that could support repair septic systems should either existing septic system need to be replaced in the future.

The specific septic system and loading rates for each 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 soils 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 lots may require septic systems 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

