

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

July 18, 2023
Project #1726

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 #1 and #2 of the minor subdivision for Ian A. Keller and Jennifer Ennis Keller located near the corner of NC Hwy 27 and Red Hill Church 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.

The suitable soils shown on the accompanying soil map are potentially provisionally suitable for an initial and repair septic system for a new single-family home on Lot #1 & #2. The lots contain greater than 15,000 ft² of provisionally suitable soils that consist of a sandy clay loam to clay subsoil that can support a daily loading rate of 0.25-0.4 gallons/day/ft² for an initial and repair septic system. 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.

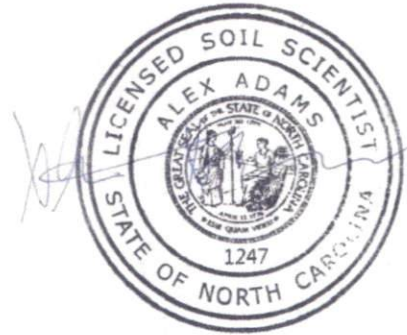
The lots would require a detailed soils evaluation by the Harnett County Health Department prior to issuance of any permits related to any future septic system. A septic system design may be required before a permit can be issued on the above referenced lot demonstrating available space for any septic system. 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 a septic system utilizing pumps, shallow or ultra-shallow conventional trench placement, low pressure pipe system, pre-treatment, and/or reductions systems 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,

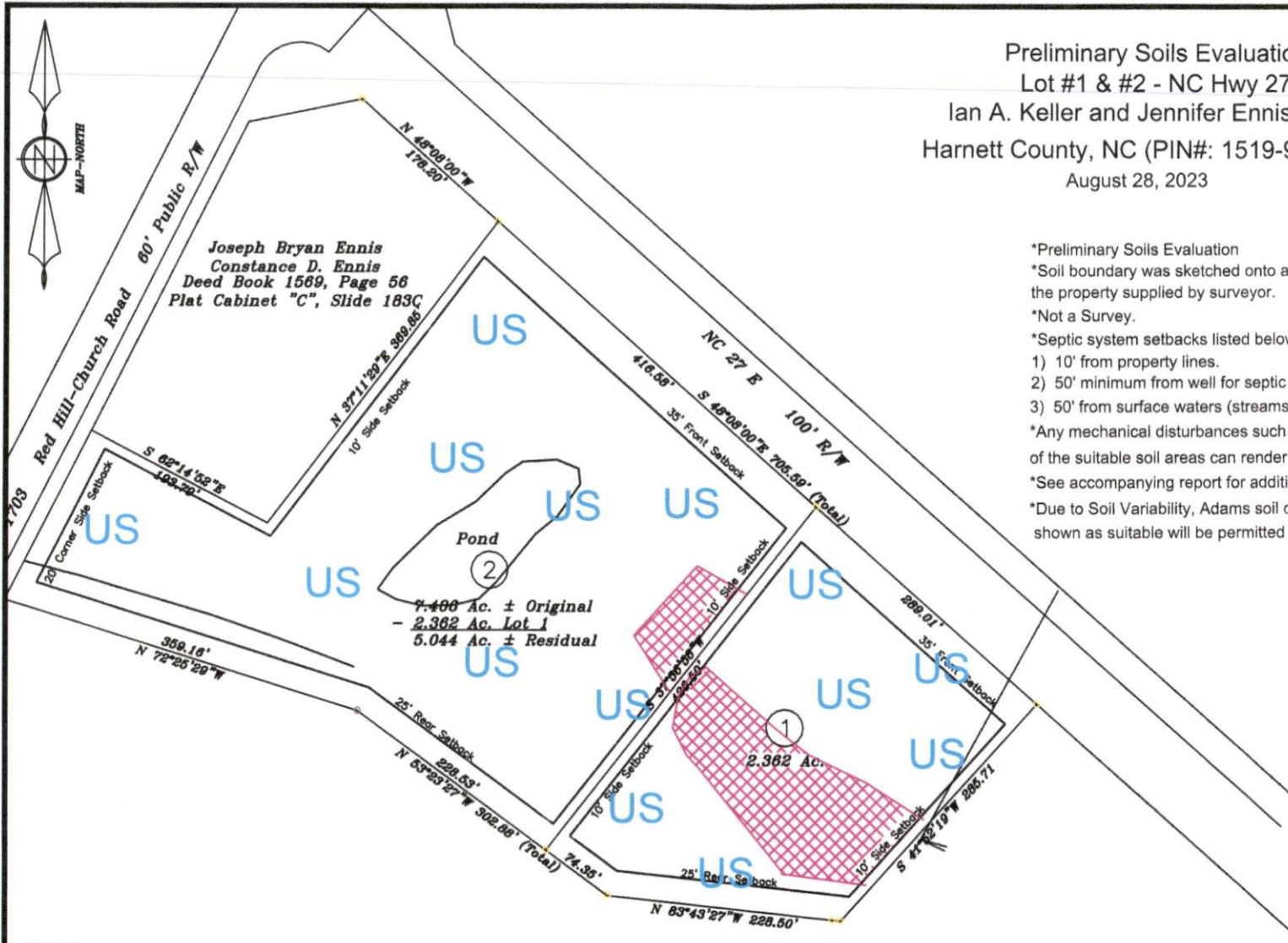


Alex Adams
NC Licensed Soil Scientist #1247




Preliminary Soils Evaluation
 Lot #1 & #2 - NC Hwy 27
 Ian A. Keller and Jennifer Ennis Keller
 Harnett County, NC (PIN#: 1519-99-3759)
 August 28, 2023

- *Preliminary Soils Evaluation
- *Soil boundary was sketched onto a preliminary map of the property supplied by surveyor.
- *Not a Survey.
- *Septic system setbacks listed below for new lots.
 - 1) 10' from property lines.
 - 2) 50' minimum from well for septic 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.

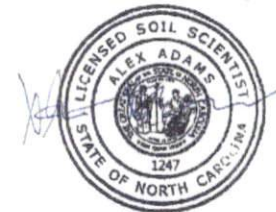


Legend

	Areas contain soils with 24 inches or more of useable soil material and have potential for conventional, modified conventional, LPP or ultra-shallow conventional septic systems.
NE	Areas Not Evaluated
US	Unsuitable areas for conventional type septic systems.

*Not a Survey
 (sketched from a preliminary plat)

GRAPHIC SCALE
 1" = 150'



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