

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

January 11, 2023
Project #1464

Jean Nipper

RE: Preliminary soil/site evaluation for Lots #1-3 of the minor subdivision for Jean Nipper located adjacent to Matthews Mill Pond Road in Harnett County.

Ms. Nipper,

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 your 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 each of the proposed lots (Lots #1-#3). Each lot contains greater than 30,000 ft² of provisionally suitable soils that consist of sandy clay loam subsoil that can support a daily loading rate of 0.3-0.4 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 could accommodate a house foot print of potentially 50' x 50'. An exact bedroom count can not be guaranteed at this level of evaluation but each lot could potentially support a 4-bedroom single family residence.

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 lots 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.

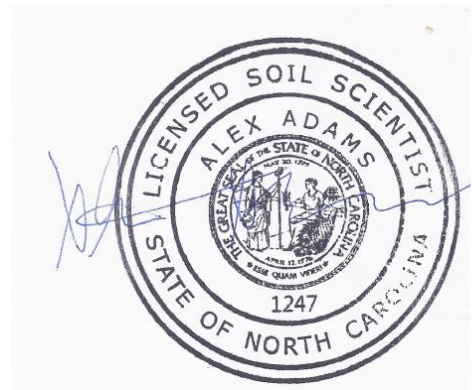
If you have any questions regarding the findings on the attached map or in this report, please feel free to contact me anytime. Thank you allowing me to perform this site evaluation for you.

Sincerely,



Alex Adams

NC Licensed Soil Scientist #1247



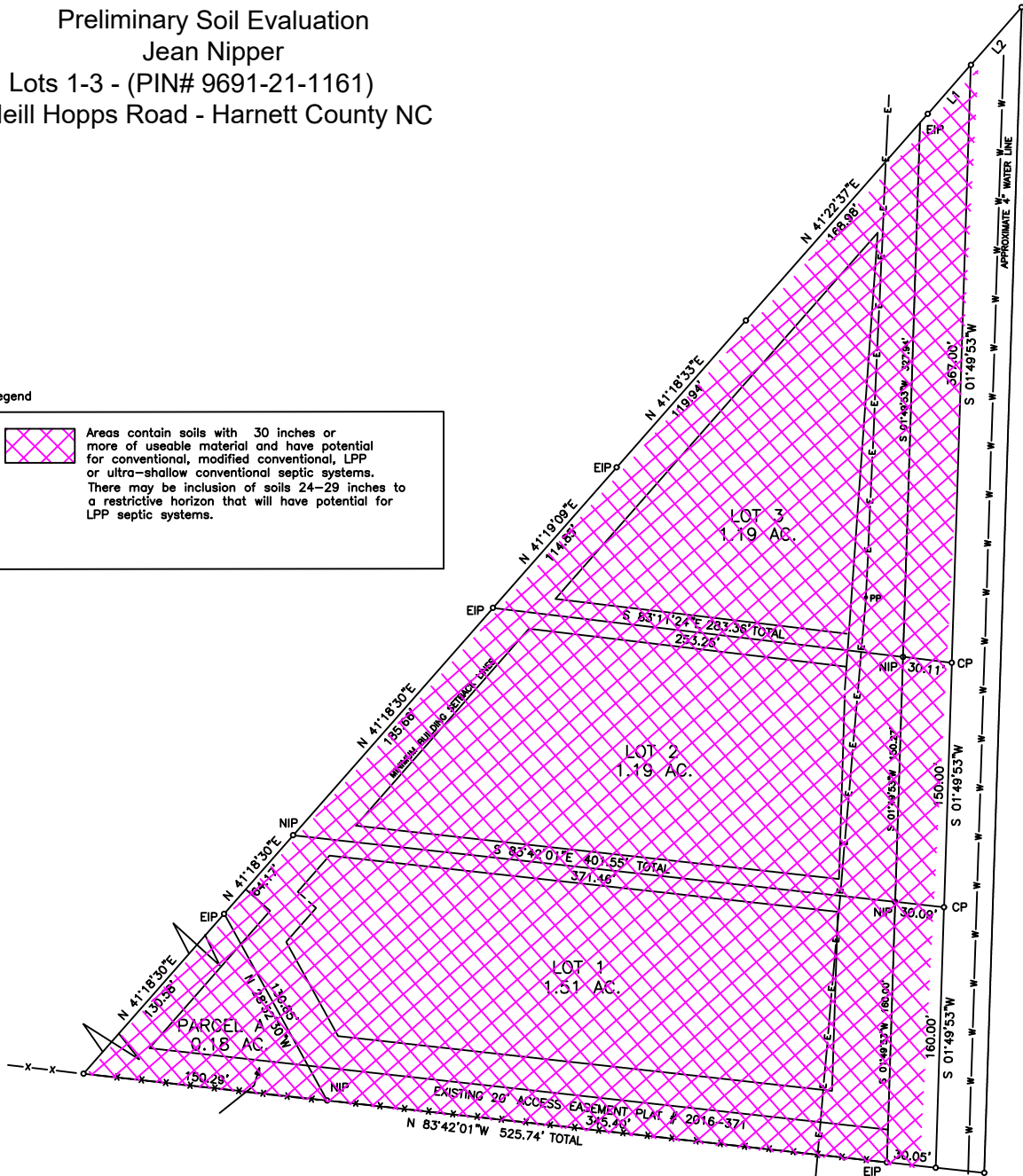
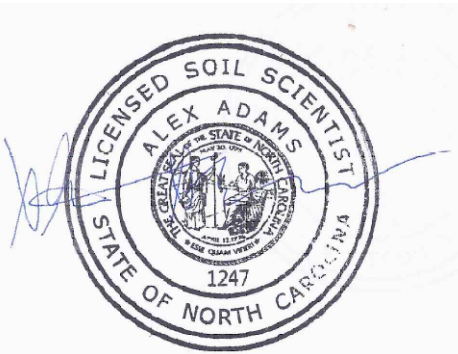
Preliminary Soil Evaluation
 Jean Nipper
 Lots 1-3 - (PIN# 9691-21-1161)
 McNeill Hopps Road - Harnett County NC

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.

*Not a Survey
 (sketched from preliminary proposal)



GRAPHIC SCALE
 1" = 100'



- *Preliminary Soils Evaluation
- *Soil boundary was sketched onto a preliminary map of the property supplied by 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.

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