

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

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February 8, 2021  
Project #965-C

Bill Kemp

RE: Preliminary soil/site evaluation for Lots 1C, 2C, 3C, 4C, & 5C of the minor subdivision for Bill Kemp located adjacent to Cobb and County Line Roads in Harnett County, NC.

Mr. Kemp,

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 conventional type septic systems.

Lots 1C, 2C, 3C, 4C, and 5C all contain greater than 12,000 ft<sup>2</sup> of provisionally suitable soil that could be used for a septic system or repair area and should support a house foot print of at least 50' X 50'. 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 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.

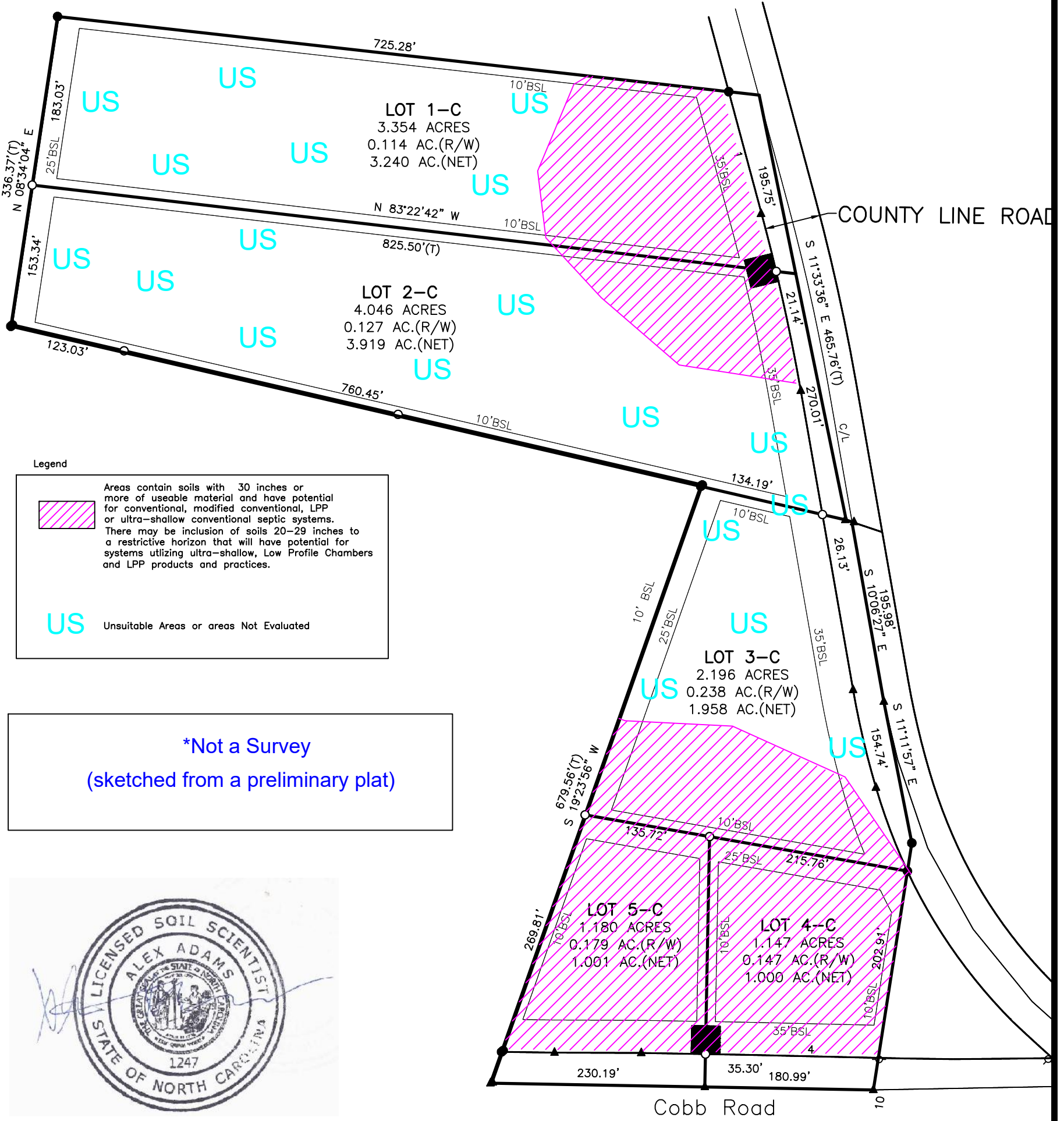
Sincerely,




Alex Adams  
NC Licensed Soil Scientist #1247  
Encl: Soil Map



Preliminary Soils Evaluation  
 Bill Kemp  
 County Line and Cobb Road - Harnett County  
 Lots: 1-C, 2-C, 3-C, 4-C & 5-C

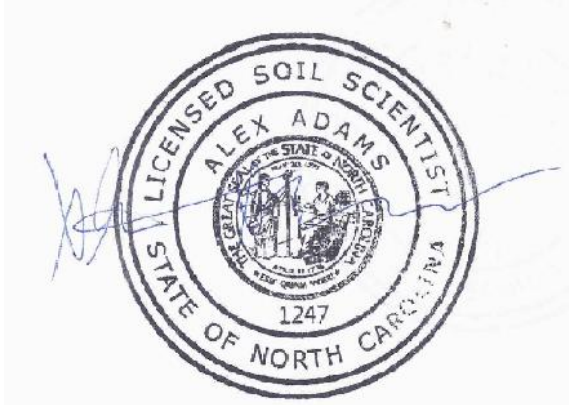


**Legend**

 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 20-29 inches to a restrictive horizon that will have potential for systems utilizing ultra-shallow, Low Profile Chambers and LPP products and practices.

**US** Unsuitable Areas or areas Not Evaluated

\*Not a Survey  
 (sketched from a preliminary plat)



- \*Preliminary Soils Evaluation
- \*Not a Survey (sketched from preliminary plat).
- \*Septic system setbacks listed below for new lots.
  - 1) 10' from property lines.
  - 2) 100' from wells for primary and repair 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 areas.
- \*See accompanying report for additional information.
- \*Base map sketched from preliminary plat map
- \*Due to Soil Variability, Adams Soil Consulting cannot guarantee that the areas shown as suitable will be permitted by the local Health Department.
- \*A more detailed soil evaluation should be performed prior to further subdivision.

GRAPHIC SCALE  
 1" = 120'



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February 8, 2021  
Project #965-B

Keith Brouillard

RE: Preliminary soil/site evaluation for Lots 1B, 2B, 3B, & 4B of the minor subdivision for Keith Brouillard located adjacent to Cobb Road in Harnett County, NC.

Mr. Brouillard,

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 conventional type septic systems.

Lots 1B, 2B, 3B, and 4B all contain greater than 12,000 ft<sup>2</sup> of provisionally suitable soil that could be used for a septic system or repair area and should support a house foot print of at least 50' X 50'. 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 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.

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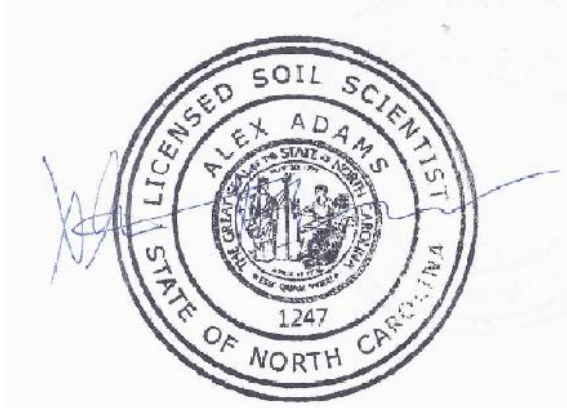
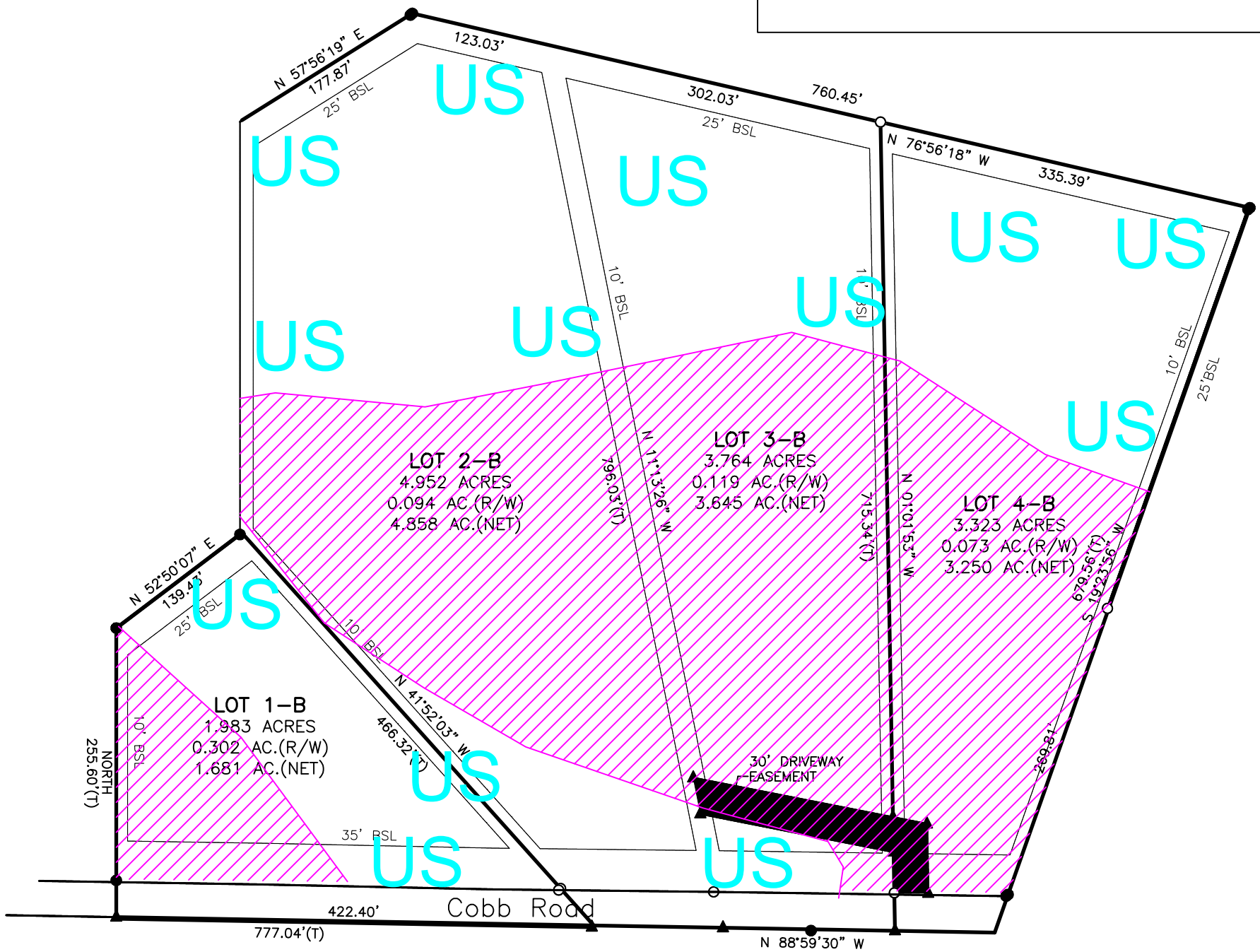


Alex Adams  
NC Licensed Soil Scientist #1247  
Encl: Soil Map




Preliminary Soils Evaluation  
 Keith Brouillard  
 Cobb Road - Harnett County  
 Lots: 1-B, 2-B, 3-B, & 4-B

\*Not a Survey  
 (sketched from a preliminary plat)

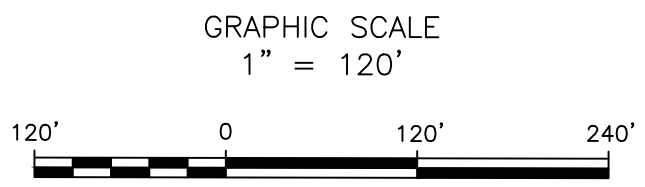


**Legend**

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