

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

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February 12, 2019  
Project #701

Matthew and Lori Capps

RE: Preliminary soil/site evaluation for Lots #1- 2 of the minor subdivision for Matthew and Lori Capps adjacent to Hobson Road in Harnett County.

Mr. and Ms. Capps,

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 and the suitable soil boundary was sketched onto a preliminary plat supplied by Streamline Surveying.

The suitable soils shown on the accompanying soil map have potential for a conventional type initial and repair area for at least one 3-bedroom home site on Lots #1-2. Each of these lots contains greater than 20,000 ft<sup>2</sup> of suitable soils that consist of clay subsoil that can support a daily loading rate of 0.3-0.4 gallons/day/ft<sup>2</sup>. Each of these lots should accommodate a house foot print of at least 60' x 60'.

The specific septic systems and/or repair systems will be permitted by the Harnett County Health Department. Additionally, the Harnett County Health Department will establish the loading rates for any proposed 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.

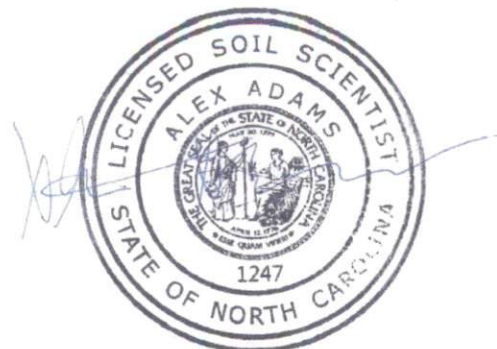
The lots will require a detailed soils evaluation by the Harnett County Health Department prior to issuance of any permits for a septic system. A septic system layout may be required before a permit can be issued on the above referenced lot demonstrating available space for the primary and repair septic areas. 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.

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.

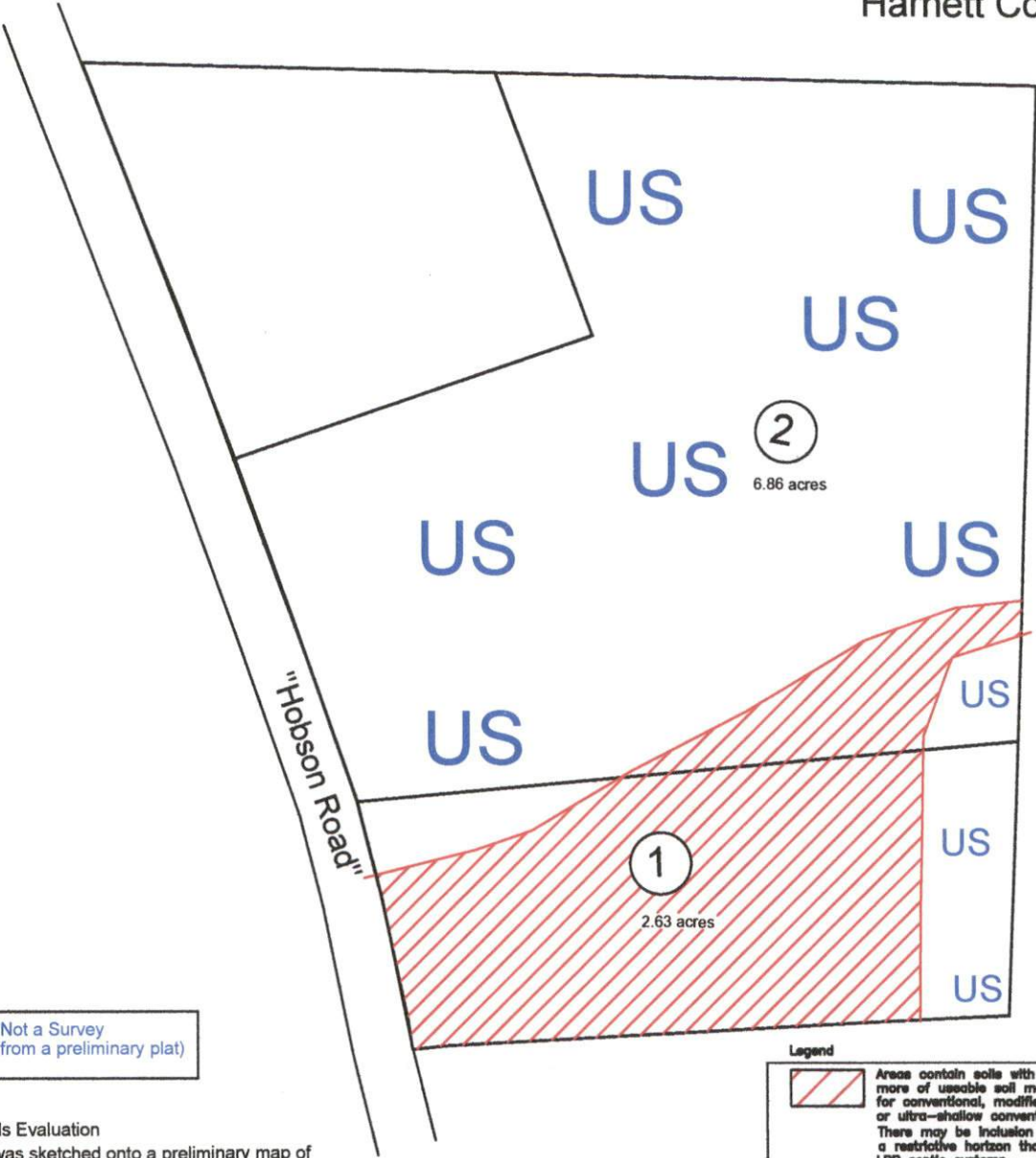
Sincerely,



Alex Adams  
NC Licensed Soil Scientist #1247




Preliminary Soil/Site Evaluation  
 Lot 1 & 2 Hobson Road  
 Capps - Minor Subdivision  
 Harnett County



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

**Legend**

 Areas contain soils with 30 inches or more of useable soil 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.

**US** 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" = 150'



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Preliminary Soil/Site Evaluation  
 9.5 acres Hobson Road  
 Harnett County



\*Not a Survey  
 (sketched from public records)

Legend

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