

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

March 23, 2020
Project #820

James Johnson
P.O. Box 310
Angier, NC 27501

RE: Preliminary soil/site evaluation for Lots #1-5 of the minor subdivision located adjacent to Bill Avery Road in Harnett County.

Mr. Johnson,

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 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 a preliminary plat supplied by Steamline Land Surveying, Inc.


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 1-5. Each of these lots contains greater than 15,000 ft² of suitable soils that consist of sandy clay loam to clay subsoil that can support a daily loading rate of 0.3-0.4 gallons/day/ft². Each of these lots should accommodate a house foot print of at least 50' x 50'.

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. .

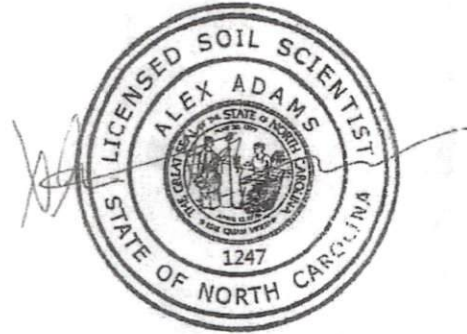
The lots will require a detailed soils evaluation by the Harnett County Health Department prior to issuance of any permits for a septic system. A septic system layout may be required before a permit can be issued on the above referenced lot demonstrating available space for the primary and repair septic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



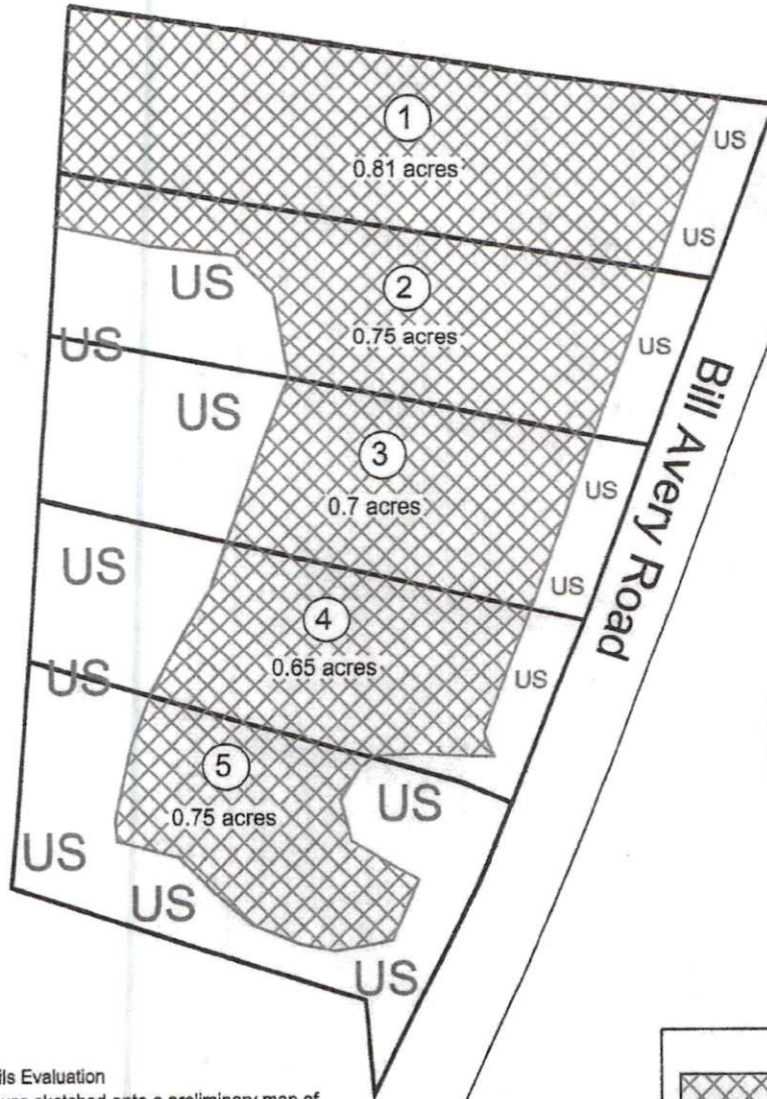
Alex Adams
NC Licensed Soil Scientist #1247



Preliminary Soils Evaluation

Lots 1-5 - Bill Avery Road

Harnett County - PIN #0691-12-1452.000



*Not a Survey
(sketched from a preliminary plat)

*Preliminary Soils Evaluation
 *Soil boundary was sketched onto a preliminary map of the property taken from 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.

Areas contain soils with 24 inches or more of useable material and have potential for conventional, modified conventional, LPP or ultra-shallow conventional septic systems.

US Unsuitable soils

GRAPHIC SCALE
1" = 100'



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