

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

May 19, 2018
Project #626

Joyner Piedmont Surveying
P.O. Box 115
Dunn, NC 28335

RE: Preliminary soil/site evaluation for Lot #1 for Sheley Eldridge Johnson adjacent to Festus Road in Harnett County

Mr. Joyner:

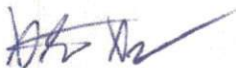
Adams Soil Consulting completed a soils evaluation per your request for the above referenced parcel for the Capps Property. The purpose of the site evaluation was to conform to Harnett County's unified development ordinance with regard to minor subdivisions. The soil/site evaluation was performed using hand auger borings, under 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".

At the time of the evaluation the parcel was undeveloped with no signs of any existing structures on the property. The suitable soils shown on the accompanying soil map have potential for a conventional type initial and repair area for at least one 4-bedroom home on Lot #1. The lot contains greater than 25,000 ft² of suitable soils that consist of sandy clay loam subsoil that can support a daily loading rate of 0.3 - 0.4 gallons/day/ft². The specific septic system and loading rates for this 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 lot should accommodate a building foot print of at least 50' x 50'.

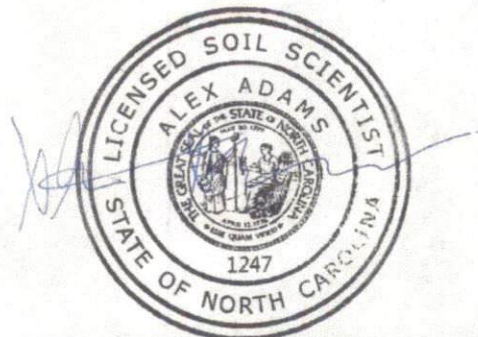
The lot may require septic systems utilizing pumps, shallow or ultra-shallow conventional trench placement, low pressure pipe systems, and/or reductions systems for final approval. Any of the lots may require a site plan or design to be developed before a final improvement permit is issued by Harnett County. Depending on the location and size of the proposed home, garage, pool area etc. a septic system layout/design may be required before a permit can be issued on the above referenced lots demonstrating available space for a repair area. Due to the subjective nature of the permitting process and the variability of naturally occurring soils, ASC cannot guarantee that areas delineated as suitable for on-site wastewater disposal systems will be permitted by the governing agency. It should be noted that a more detailed soils evaluation is needed to access the potential soil constraints that may limit future land subdivision.

Please give me a call if you have any questions.

Sincerely,



Alex Adams
NC Licensed Soil Scientist #1247

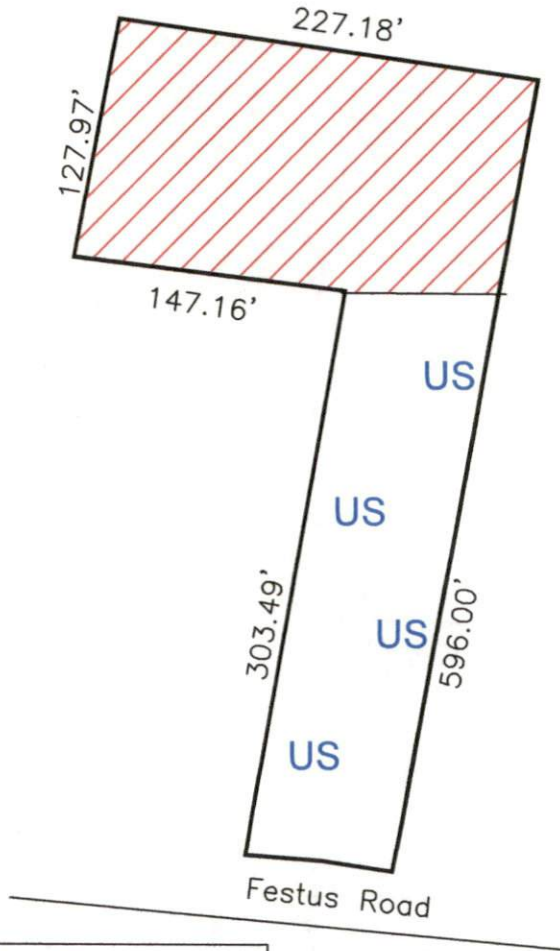


Preliminary Soils Evaluation

Sheley Eldridge Johnson

Lot 1, ~1.23 acres - Festus Road

Harnett County, NC



- *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.

***Not a Survey**
(sketched from 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

GRAPHIC SCALE
1" = 100'



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