

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

August 15, 2018
Project #656

Chris Pearson
1128 Old Stage Road
Erwin, NC 28339

RE: Preliminary soil/site evaluation for Lot #1 and residual parcel of the minor subdivision for Christopher and Kimberly Pearson located adjacent to Old Stage Road in Harnett County.

Mr. Pearson,

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 Streamline Surveying.

At the time of the evaluation the residual parcel an existing occupied dwelling and proposed Lot #1 was vacant. There were no signs of any past or present septic system failure on Lot #1. The suitable soils shown on the accompanying soil map are provisionally suitable for an ultra-shallow conventional, LPP, or drip type septic or repair system for the residual parcel and for Lot #1. The residual parcel contains greater than 8,000 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 a repair septic system should a repair be required in the future. Lot #1 contains greater than 10,000 ft² of provisionally suitable soils that should be adequate for a new single-family residence with 3-bedrooms or more. Lot #1 should accommodate house foot print of at least 60' x 60'. All parts of the existing system are apparently located within the new residual lot boundaries. The septic system supply line of the residual parcel crosses the new ingress-egress easement. The 50' supply line crossing has been sleeved with Scheduled 80 PVC. The area for any proposed septic or repair field shall not be impacted by home sites, pools, garages and shall not be mechanically altered from the natural lay of the land. There is an existing farm structure located within the proposed septic field area for Lot #1. This structure does not have a foundation that is apparently affecting

or disturbing the suitable soil area upon which it is situated. The structure will most likely need to be removed in order to accommodate any new septic system for Lot #1.

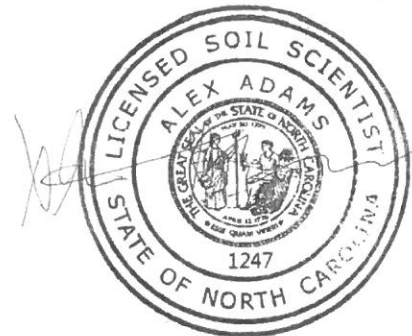
Each lot will require a detailed soils evaluation by the Harnett County Health Department prior to issuance of any permits related to the septic system of either lot. A septic system repair design may be required before a permit can be issued on the above referenced lot demonstrating available space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



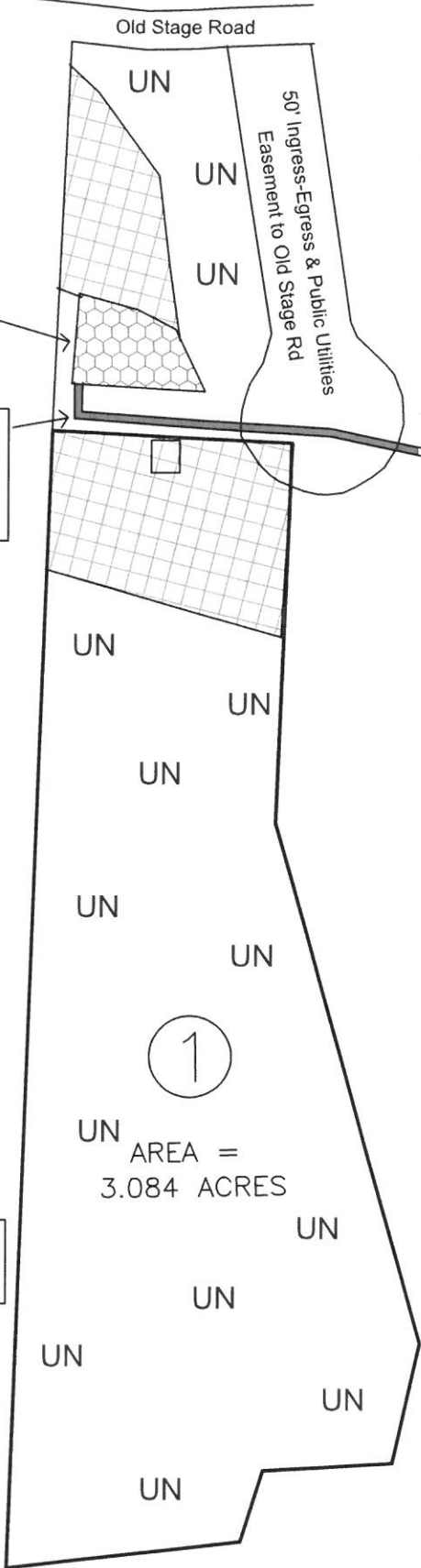
Alex Adams
NC Licensed Soil Scientist #1247



**Preliminary Soil Evaluation
Christopher and Kimberly Pearson
Lot #1 and Residual - Old Stage Road
Harnett County NC**


Existing
Septic Field
for residual parcel

Supply Line for
Septic Field s/eaved
with schedule PVC
across access easement



*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.

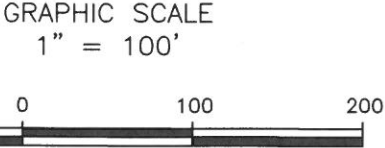
Legend

 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.

UN Unsuitable areas or not evaluated.



*Not a Survey
(sketched from preliminary proposal)



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UN AREA =
3.084 ACRES