

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

October 23, 2017
Project #547

Jennifer Johnson

RE: Preliminary soil/site evaluation for Tract 1 of the minor subdivision located adjacent to M J R Lane in Harnett County.

Ms. 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 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 J. Scott Walker, PLS.

The suitable soils shown on the accompanying soil map are suitable for a conventional type initial and repair area for at least one 3-bedroom home. The lot contains greater than 20,000 ft² of suitable soils that consist of clay 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 house foot print of at least 50' x 50'. The residual parcel "Tract 2" was also evaluated and found to contain greater than 20,000 ft² of suitable soils that consist of clay subsoil that can support a daily loading rate of 0.3-0.4 gallons/day/ft². Tract 2 could also potential support a house foot print of at least 50' x 50' on the tract.

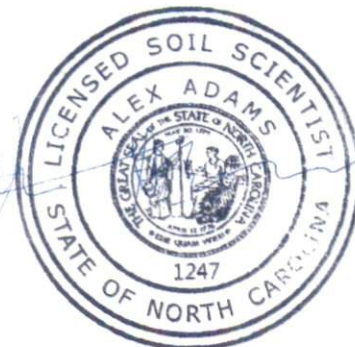
Both lots will require a detailed soils evaluation by the Harnett County Health Department prior to issuance of any permits for a septic system. A septic system layout may be required before a permit can be issued on the above referenced lots demonstrating available space for the primary and repair septic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

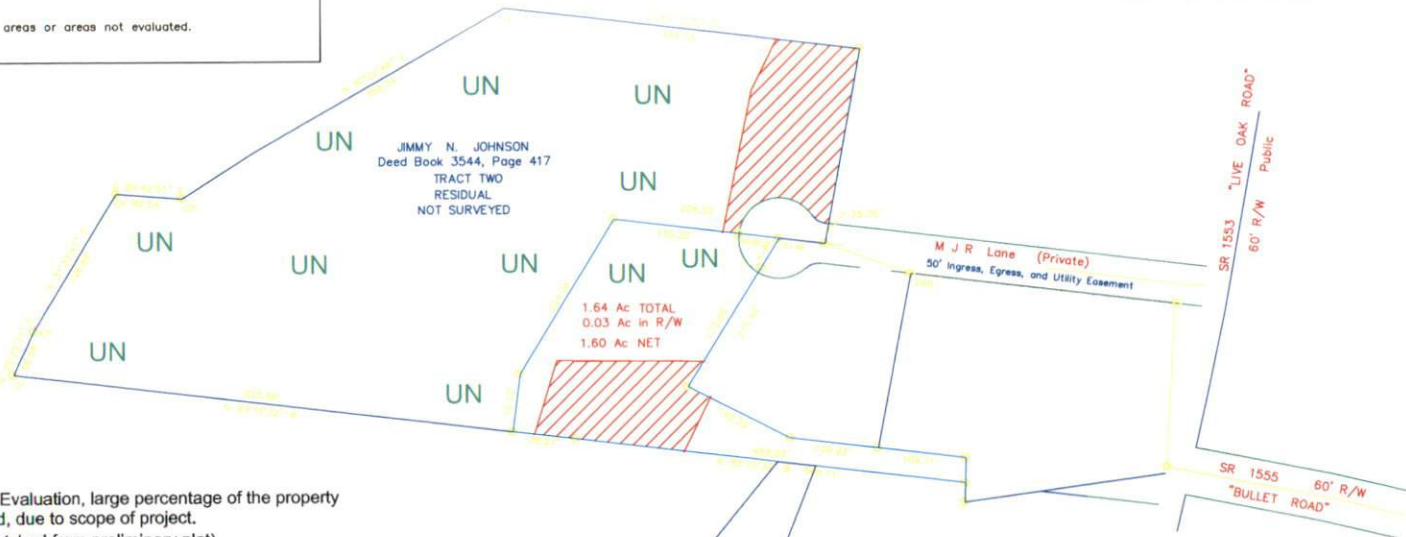
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~1.64 acres - M J R Lane

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 24-29 inches to a restrictive horizon that will have potential for LPP septic systems.

UN Unsuitable areas or areas not evaluated.



*Preliminary Soils Evaluation, large percentage of the property was not evaluated, due to scope of project.

*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.

GRAPHIC SCALE
1" = 150'



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