

**Adams Soil Consulting**  
1676 Mitchell Road  
Angier, NC 27501  
919-414-6761  
alexadams@bcsoil.com

April 30, 2015  
Project # 309

Erica Vazquez

RE: Soil/Site evaluation for 5872 HWY 421, Lillington NC

Ms. Vazquez:

Adams Soil Consulting completed a soils evaluation per your request for the above referenced parcel in Harnett County. 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". The suitable soils shown on the accompanying soil map are suitable for conventional type septic systems. The lot contains approximately 10,000 ft<sup>2</sup> of suitable soils that consist of a sandy loam and sandy clay subsoil that can support a daily loading rate of 0.3-0.35 gallons/day/ft<sup>2</sup>. The lot should support up to a 3-bedroom home septic system and repair with a house footprint of at least 70' X 70'. Due to the limited amount of suitable soil found on the lot a preliminary septic design was completed to demonstrate available space for a septic system. The preliminary design is attached to this report.

The specific septic system and loading rates for each 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.

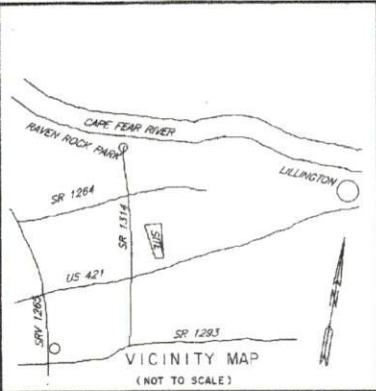
The lot will require a detailed soils evaluation by the Harnett County Health Department prior to issuance of any permits for septic systems. A septic system design/ layout may be required before a permit can be issued on the above referenced lot demonstrating available space for the primary and repair septic areas. I can offer these services if requested. 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 accompanying soil map is preliminary in nature, no further assumptions or subdivision should be made without a more detailed evaluation. Please give me a call if you have any questions.

Sincerely,



Alex Adams  
NC Licensed Soil Scientist #1247





- LEGEND:**
- EIP - EXISTING IRON PIPE FOUND
  - SIP - NEW IRON PIPE SET
  - EL - ELEVATION
  - REDS - REBAR SET
  - REBF - REBAR FOUND
  - PNF - PK NAIL FOUND
  - PKS - PK NAIL SET
  - RRF - R S SPIKE FOUND
  - RRS - R S SPIKE SET
  - - LINE SURVEYED
  - - - - LINE NOT SURVEYED
  - CMF - CONCRETE MONUMENT FOUND
  - CMS - CONCRETE MONUMENT SET
  - R/W - RIGHT OF WAY
  - NP - NO POINT SET
  - NF - NAIL & CAP FOUND
  - NS - NAIL & CAP SET
  - PP - POWER POLE
  - - REBAR SET UNLESS OTHERWISE NOTED
  - - IRON FOUND UNLESS OTHERWISE NOTED

NOTE: ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES, UNLESS OTHERWISE NOTED.

NORTH CAROLINA  
HARNETT COUNTY

I, BOBBY O. FUQUAY, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY, MADE UNDER MY SUPERVISION (BRIEF DESCRIPTION RECORDED IN BOOK 1079 PAGE 127, ETC.; OTHER); THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION FOUND IN BOOK OF PLATS 77, PAGE 324 A; THAT THE RATIO OF PRECISION AS CALCULATED BY COORDINATE METHOD IS 1:15,000; THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH G.S. 47-30 AS AMENDED, WITH MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 30 DAY OF MAY, 2015.

I ALSO CERTIFY THAT THIS SURVEY IS OF ANOTHER CATEGORY, SUCH AS THE RECOMINATION OF EXISTING PARCELS, A COURT-ORDERED SURVEY, OR OTHER EXCEPTION TO THE DEFINITION OF SUBDIVISION.



*Bobby O. Fuquay*  
SURVEYOR  
L - 3194  
REGISTRATION NUMBER

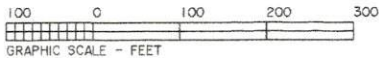
MAP REVIEW OFFICER CERTIFICATE  
*Shirak Bennett* MAP REVIEW OFFICER  
FOR HARNETT COUNTY DO HEREBY CERTIFY THAT THIS PLAT MEETS ALL STATUTORY REQUIREMENTS FOR RECORDING.  
4-8-15 *Shirak Bennett*  
DATE REVIEW OFFICER

This subdivision is exempt from the subdivision regulations within the Harnett County Land Development Ordinance.  
*Shirak Bennett* 4-8-15  
Subdivision Administrator Date

FOR REGISTRATION  
KIMBERLY S. HAYNES  
HARNETT COUNTY REC  
2015 JUN 06 09:14:47 PM  
BK 2015 PG 181-181  
INSTRUMENT # 2015007704  
ARNONELL



RECORDED IN BK. OF MAPS 2015, PAGE 181.

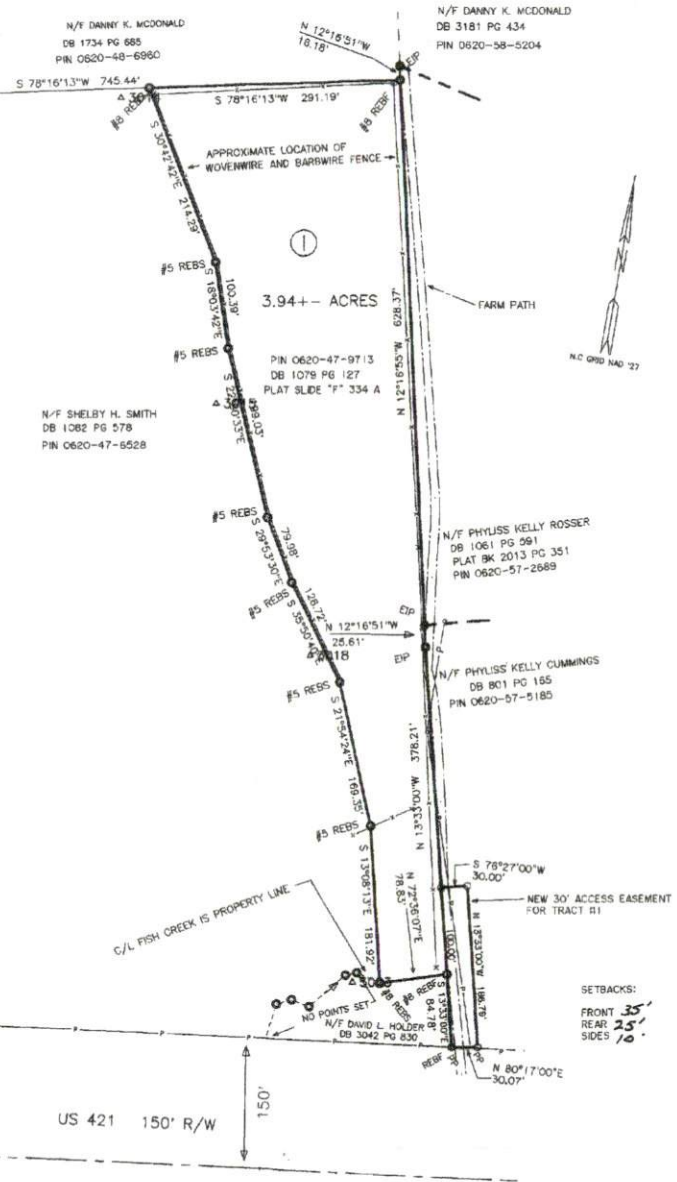


EXEMPT PLAT

CERTIFICATE OF OWNERSHIP, DEDICATION AND JURISDICTION

I (WE) HEREBY CERTIFY THAT I AM (WE ARE) THE OWNER(S) OR AGENT OF THE PROPERTY SHOWN AND DESCRIBED HEREON AND THAT I (WE) HEREBY ADOPT THIS PLAN OF SUBDIVISION WITH MY (OUR) FREE CONSENT, ESTABLISH THE MINIMUM SETBACK LINES AND DEDICATE ALL STREETS, ALLEYS, PARKS AND OTHER SITES TO PUBLIC OR PRIVATE USE AS NOTED. ALL LAND SHOWN HEREON IS WITHIN THE SUBDIVISION REGULATION JURISDICTION OF HARNETT COUNTY EXCEPT:

DATE \_\_\_\_\_  
*Phyllis K. Rosser* OWNER  
*Bobby W. Cummings* OWNER

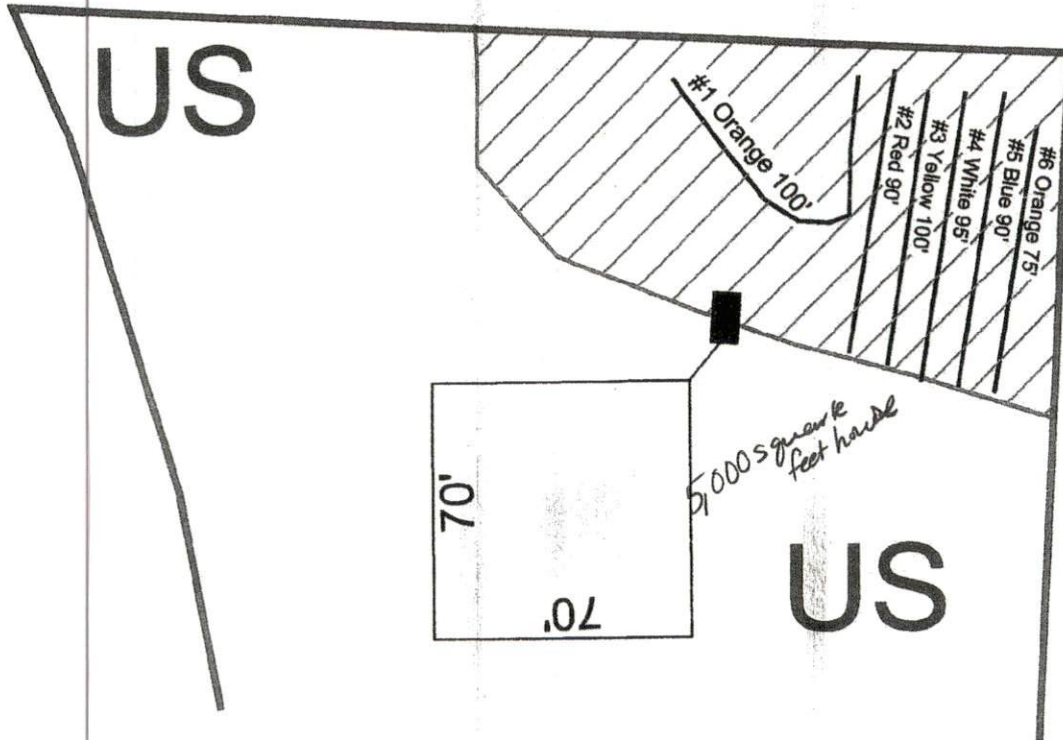


SOURCE OF TITLE: DEED BK. 1079 - PAGE 127

REVISIONS	EXISTING TRACT BOUNDARY SURVEY AND NEW ACCESS EASEMENT ADDITION FOR PHYLLIS K. ROSSER		BOBBY FUQUAY and ASSOCIATES 6525 MAL WEATHERS RD., RALEIGH N.C., 27603 (919) 880-3309	
	TOWNSHIP: UPPER LITTLE RIVER	COUNTY: HARNETT	DATE OF SURVEY	5-29-2015
SCALE: 1" = 100'	STATE: NORTH CAROLINA	PIN: 0620-47-9713	DATE OF MAP	5-30-2015
ZONE: RA30	TAX MAP:	PARCEL:	CHECK AND CLOSURE BY: BOF	DRAWING
				944883

Preliminary Soils Evaluation  
Erica Vazquez  
5872 HWY 421, Lillington  
Harnett County, NC

owners: Barry  
Cummings  
- Phillipis  
Prosser



System: \*Gravity to D-Box  
Lines: 2-4, (260')  
0.35 LTAR  
18" Trench Bottom  
Accepted Status System  
Repair: Pressure Manifold  
Lines: 1, 5-6 (260')  
0.35 LTAR  
18" Trench Bottom  
Accepted Status System

\* A pump tank may be required if plumbing is not sufficient to gravity dose the septic field

GRAPHIC SCALE  
1" = 50'



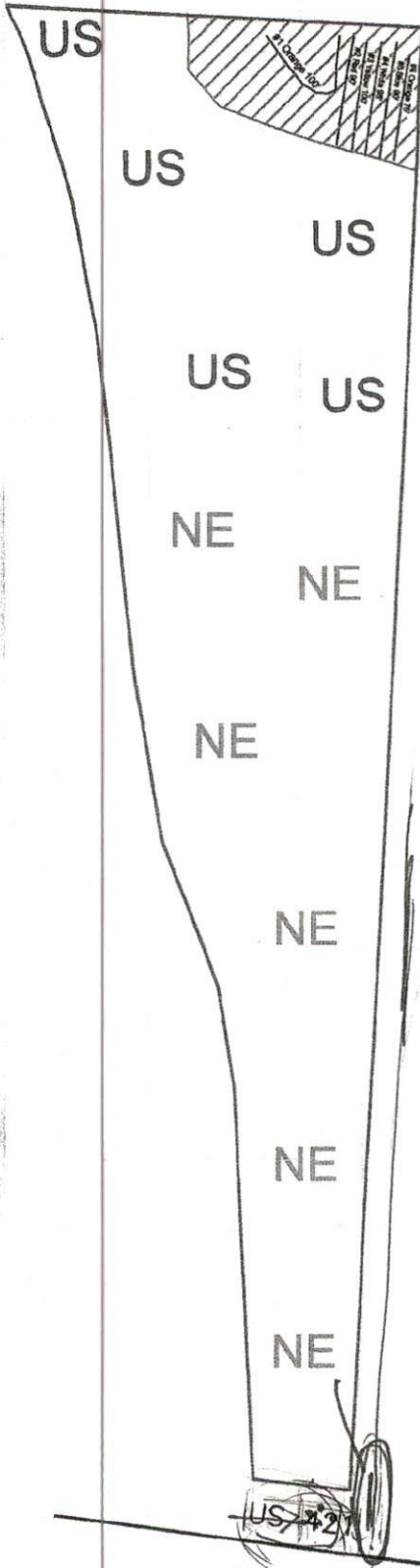
Adams  
Soil Consulting  
919-414-6761  
Job #309

# Preliminary Soils Evaluation

Erica Vazquez

5872 HWy 421, Lillington

Harnett County, NC



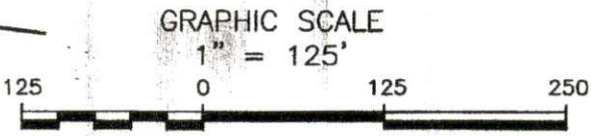
\*Not a Survey  
(sketched from Harnett County GIS)



Legend

	Areas contain soils with 30 inches or more of suitable 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 due to existing well setback
NE	Area 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.



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