



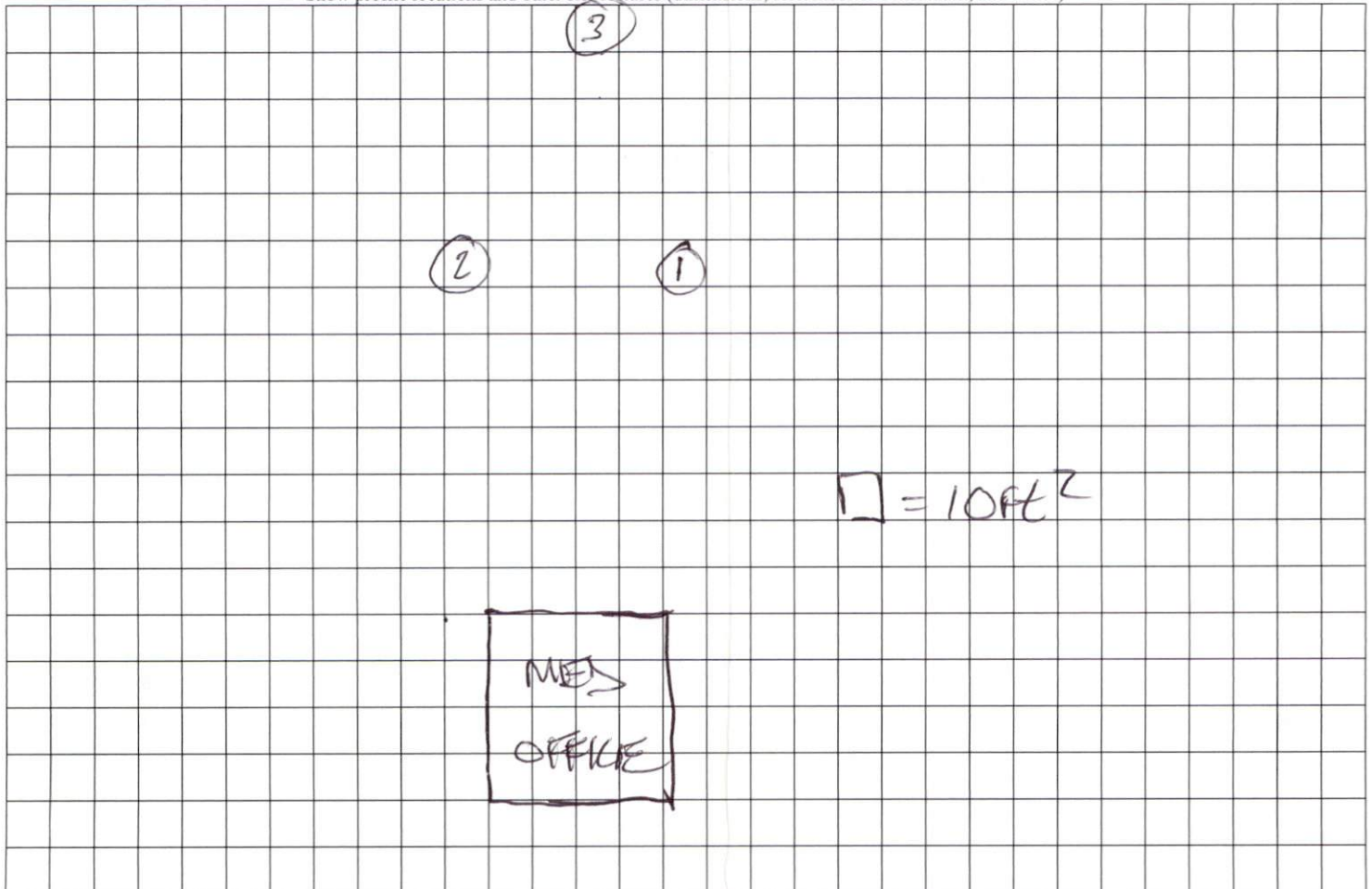
COMMENTS: \_\_\_\_\_

LANDSCAPE POSITIONS	GROUP	TEXTURES	.1955 LTAR	CONSISTENCE MOIST	WET
R-RIDGE	I	S-SAND	1.2 - 0.8	VFR-VERY FRIABLE	NS-NON-STICKY
S-SHOULDER SLOPE		LS-LOAMY SAND		FR-FRIABLE	SS-SLIGHTLY STICKY
L-LINEAR SLOPE	II	SL-SANDY LOAM	0.8 - 0.6	FI-FIRM	S-STICKY
FS-FOOT SLOPE		L-LOAM		VFI-VERY FIRM	VS-VERY STICKY
N-NOSE SLOPE	III	SI-SILT	0.6 - 0.3	EFI-EXTREMELY FIRM	NP-NON-PLASTIC
H-HEAD SLOPE		SIL-SILT LOAM		SP-SLIGHTLY STICKY	
CC-CONCLAVE SLOPE		CL-CLAY LOAM		P-PLASTIC	
CV-CONVEX SLOPE		SCL-SANDY CLAY LOAM		VP-VERY PLASTIC	
T-TERRACE	IV	SIC-SILTY CLAY	0.4 - 0.1		
FP-FLOOD PLAN		C-CLAY			
		SC-SANDY CLAY			

STRUCTURE  
 SG-SINGLE GRAIN  
 M- MASSIVE  
 CR-CRUMB  
 GR-GRANULAR  
 SBK-SUBANGULAR BLOCKY  
 ABK-ANGULAR BLOCKY  
 PL-PLATY  
 PR-PRISMATIC

MINERALOGY  
 SLIGHTLY EXPANSIVE  
 EXPANSIVE

Show profile locations and other site features (dimensions, references or benchmark, and North)



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

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July 22, 2016  
Project # 402

Attention: Randy Youngquist-Thurrow  
Camp Agape  
1369 Tyler Dewar Lane  
Fuquay-Varina, NC 27526

RE: Soil/Site evaluation for proposed camp infirmary site located adjacent to Tyler Dewar Lane in Harnett County NC.

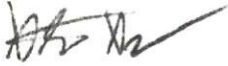
To whom it may concern,

Adams Soil Consulting completed a soils evaluation for the above parcel located at Josh Drive adjacent to HWY 401 in Fuquay-Varina, NC. 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 evaluation the exact building site was not marked, but the general area was discussed with camp staff. It was determined that the soil found in the area adjacent to the proposed site was potentially suitable to accommodate a conventional septic system that could service a flow rate of at least 200 gallons/day. The proposed building foot print is approximately 36' X 36' or less. The parcel contains potential suitable soils that consist of sandy clay to clay subsoil that can support a daily loading rate of 0.3 gallons/day/ft<sup>2</sup>. The suitable soils found were similar to the Cecil soil series and were provisionally suitable to a depth of 30-36 inches below the existing soil surface. A proposed gravity was physically marked on the site. If the final infirmary site is significantly different than planned or as show on the accompanying site sketch then a new or different septic system area may need to be identified. This investigation was preliminary in nature, and was not conducted at a scale for suitable for subdivision planning. The specific septic systems 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 building sites, grading activities, and shall not be mechanically altered from the natural lay of the land.

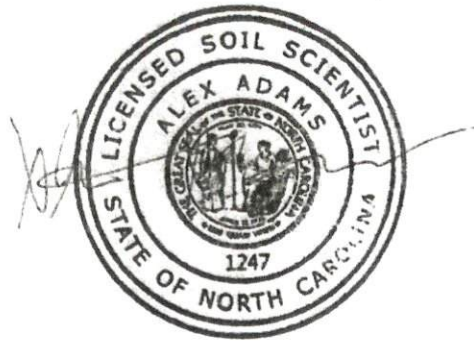
The lot will require a detailed soils evaluation by the Harnett County Health Department prior to issuance of any permits for a septic system. A septic system layout may be required before a permit can be issued on the above referenced lot demonstrating available space for the primary and repair septic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

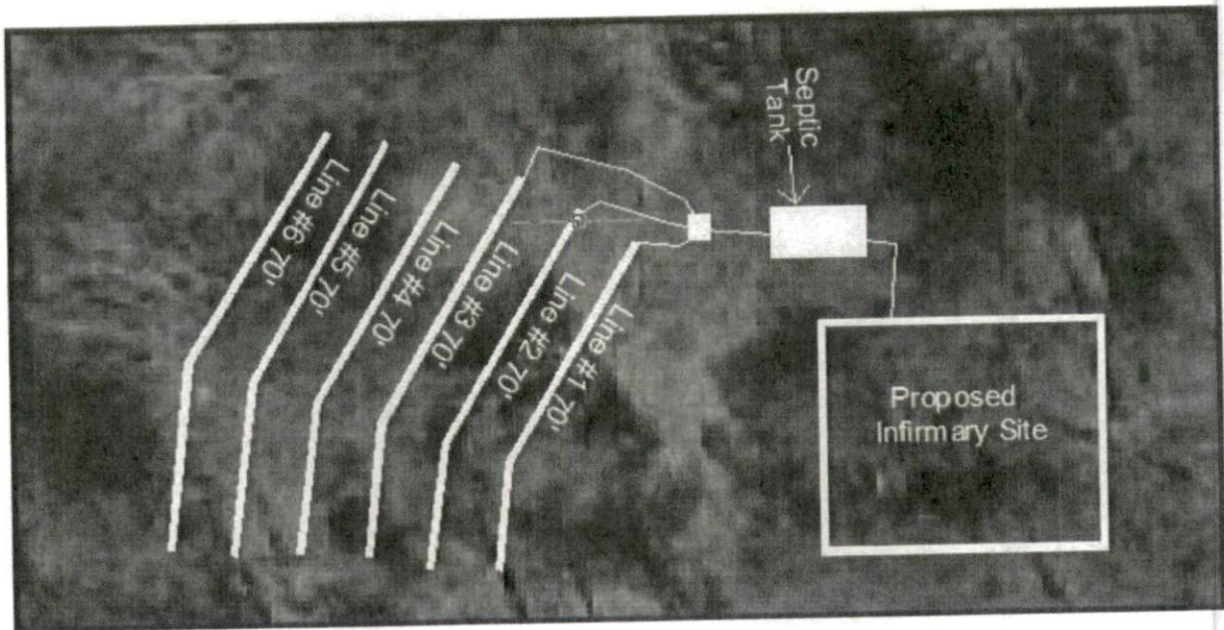


Alex Adams  
NC Licensed Soil Scientist #1247





Preliminary Soils Evaluation  
Camp Agape  
Proposed Infirmary Site (200 gallon/day flow rate)  
Harnett County, NC

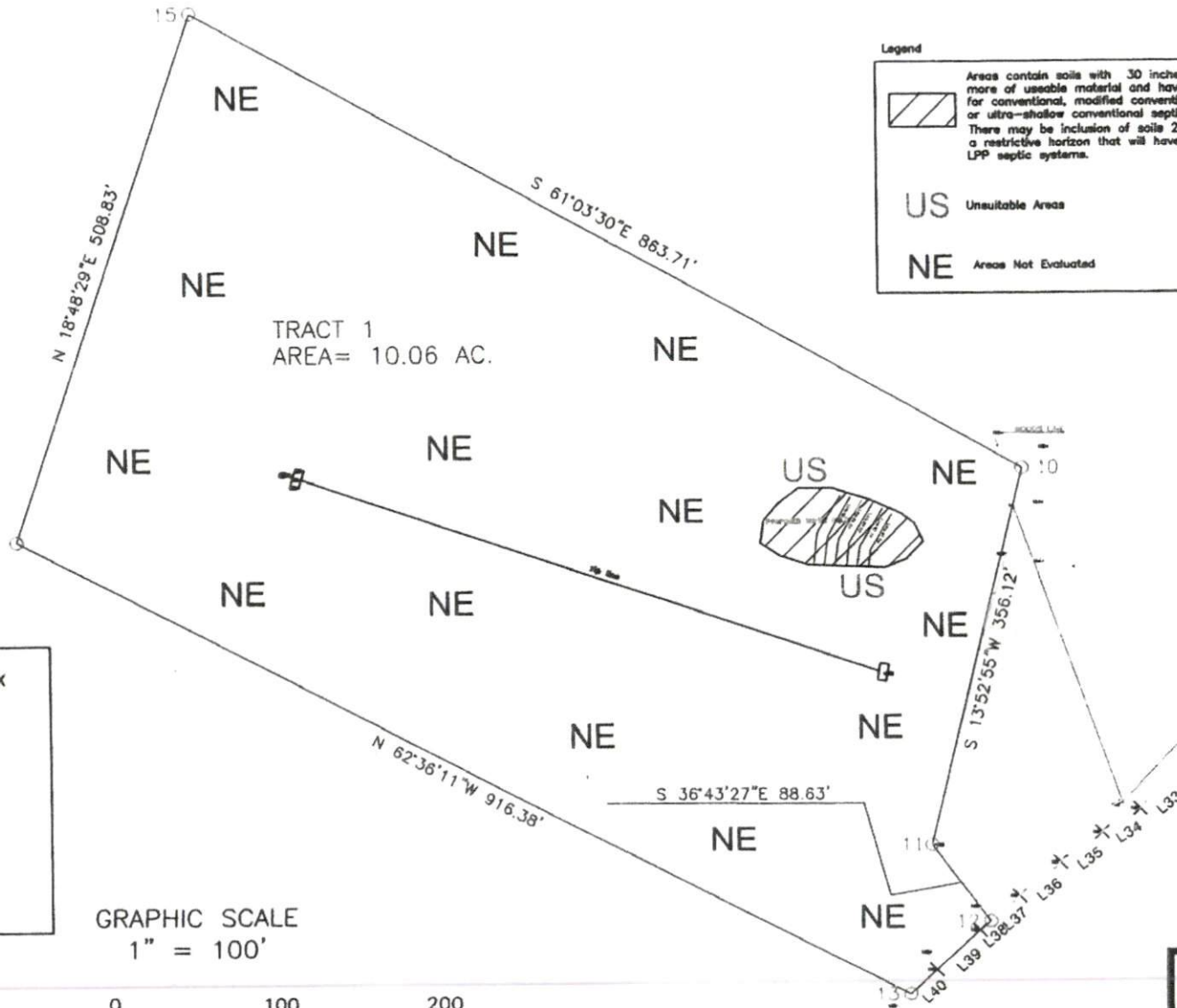


\*Not to scale - sketched from aerial photograph

System: Gravity to D-Box  
Lines: 1-3 (210')  
0.3 LTAR  
18" Trench Bottom  
Accepted Status System  
Repair: Gravity to D-Box  
Lines: 4-6 (210')  
0.3 LTAR  
18" Trench Bottom  
Accepted Status System

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Soil Consulting  
919-414-6761  
Project #402

# Preliminary Soils Evaluation Camp Agape Proposed Infirmary Site (200 gallon/day flow rate) Harnett County, NC



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