

**SOIL SITE EVALUATION
 for ON-SITE WASTEWATER SYSTEM**

Owner: 07-522 | 8042

Applicant:

Address:

Date Evaluated:

Proposed Facility: *no*

Design Flow (.1949): *36*

Property Size: *.6*

Location of Site: *Qualm*

Property Recorded:

Water Supply: Public Individual Well Spring Other

Evaluation Method: Auger Boring Pit Cut

Type of Wastewater: Sewage Industrial Process Mixed

P R O F I L E #	1940 Landscape Position Slope%	SOIL MORPHOLOGY 1941		OTHER PROFILE FACTORS				Profile Classification & LTAR
		Horizon Depth (IN.)	1941 Structure Texture	1941 Consistence Mineralogy	1942 Soil Wetness Color	1943 Soil Depth (IN.)	1944 Silt Class	
S 54		0-18	Gn JL	VFA v				B
		18-28	Srh CL	Fm SE				
		28-36	Srh Sch	FL s				
		0-18	Gn JL	VFA s				D
		18-28	Srh CL	Fm s				
		28-36	Srh SC	F2 s				
		0-12	Gn JL	VFA s				D
		12-24	Srh CL	Fm v				
		24-36	Srh SC	F2 s R				
		0-10	Gn JL	VFA s R				D
		10-28	Srh CL	Fm F				
		28-36	Srh SC	F2 s				
	0-8	Gn JL	VFA s				D	
	8-18	Srh CL	Fm s					
	18-36	Srh SC	F2 s					

Description	Initial System	Repair System
available Space (.1945)	<i>✓</i>	<i>✓</i>
ystem Type(s)	<i>75%</i>	<i>25%</i>
ite LTAR	<i>7</i>	<i>7</i>

Other Factors (.1946): _____
 Site Classification (.1948): *P1*
 Evaluated By: *9*
 Others Present: _____

COMMENTS: _____

<u>LANDSCAPE POSITIONS</u>	<u>GROUP</u>	<u>TEXTURES</u>	<u>.1955 LTAR</u>	<u>CONSISTENCE MOIST</u>	<u>WET</u>
R-RIDGE	I	S-SAND	1.2 - 0.8	VFR-VERY FRIABLE FR-FRIABLE FI-FIRM VFI-VERY FIRM EFI-EXTREMELY FIRM	NS-NON-STICKY SS-SLIGHTLY STICKY S-STICKY VS-VERY STICKY NP-NON-PLASTIC SP-SLIGHTLY STICKY P-PLASTIC VP-VERY PLASTIC
S-SHOULDER SLOPE		LS-LOAMY SAND			
L-LINEAR SLOPE	II	SL-SANDY LOAM	0.8 - 0.6		
FS-FOOT SLOPE		L-LOAM			
N-NOSE SLOPE	III	SI-SILT-	0.6 - 0.3		
H-HEAD SLOPE		SIL-SILT LOAM			
CC-CONCLAVE SLOPE		CL-CLAY LOAM			
CV-CONVEX SLOPE		SCL-SANDY CLAY LOAM			
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, reference or benchmark, and North).



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1 May, 2007

Mr. James H. Baber
573 Quail Road
Lillington, NC 27546

Reference: Preliminary Soil Investigation and Existing System Investigation
Baber Property - 0.63 Acres

Dear Mr. Baber,

A preliminary soil investigation has been conducted at the above referenced property, located on the western side of an existing 50-foot private easement located at the end of Quail Road (SR 1240), Upper Little River Township, Harnett County, North Carolina. The purpose of the investigation was to determine Lot 3A's ability to support a subsurface sewage waste disposal system and repair area for a typical three-bedroom home and to determine the existence of a subsurface sewage waste disposal system on Lot 3B and make surface observations relative to its apparent operation. All soil ratings and determinations were made in accordance with "Laws and Rules for Sewage Treatment and Disposal Systems, 15A NCAC 18A .1900".

Lot 3A is dominated by provisionally suitable soils for subsurface sewage waste disposal except for a small drainageway that crosses the lot. These provisionally suitable soils were observed to be friable sandy clay loams to greater than 36 inches and appear adequate to support long term acceptance rates of 0.3 to 0.4 gal/day/sqft. It appears that the soils on this lot are adequate to support a conventional septic system and repair area for one residence.

Lot 3B has an existing residence with an existing septic system that appeared to be functioning properly on the day of the investigation. This existing septic system appeared to be located within any setback requirements for this property. A soil investigation was conducted and it appears that an adequate amount of provisionally suitable soil exists on this lot to 100 % repair the system if it should fail.

This soil investigation report and map, when provided to the Harnett County Health Department, should allow them to sign the maps for recordation. I appreciate the opportunity to provide this service and hope to be allowed to assist you again in the future. If you have any questions or need additional information, please contact me at your convenience.

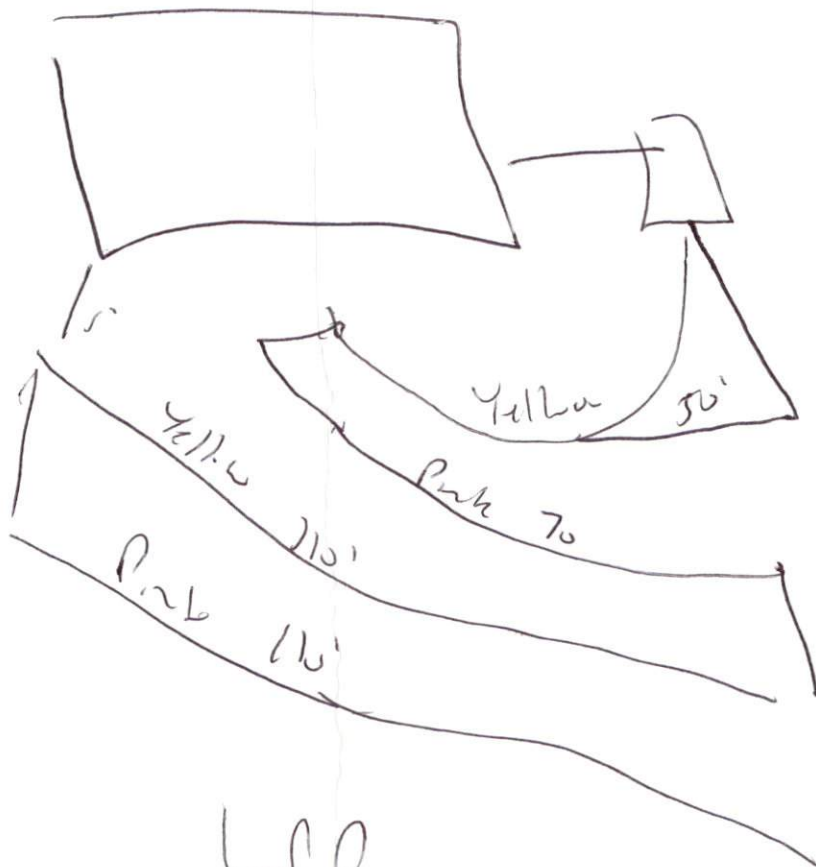
Sincerely,



Hal Owen
Licensed Soil Scientist



WSP



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