Department of Environment, Health a atural Resources
Division of Environmental Health
On-Site Wastewater Section

heet:
Property ID:
Lot #:
File #:
Code:

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Applicant:
Address: Date Evaluated:
Proposed Facility: 3 BEDROOMS Design Flow (.1949): 360 GPD Property Size:
Location of Site: Property Recorded:
Water Supply: ☒ Public ☐ Individual ☐ Well ☐ Spring ☐ Other
Evaluation Method: ☒ Auger Boring ☐ Pit ☐ Cut
Type of Wastewater: ☒ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 Landscape Position/ Slope %	Horizon Depth (In.)	SOIL MORPHOLOGY .1941		OTHER PROFILE FACTORS				Profile Class & LTAR
			.1941 Structure/ Texture	.1941 Consistence Mineralogy	.1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	
A	LS 5-7%	0-22"	CS	VFR NS/NP					
		22-31"	SBK SCL	FI SS/SP	CR2@28"				PS .3
B		0-28"	GS	VFR NS/NP					
		28-42	SBK SCL	FI SS/SP					PS .3
C		0-24"	GS	VFR NS/NP					
		24-32"	SBK SCL	FI SS/SP	CR2@32"				PS .3

Description	Initial System	Repair System
Available Space (.1945)	✓	✓
System Type(s)		
Site LTAR		

Other Factors (.1946):
Site Classification (.1948): PS
Evaluated By: OT
Others Present:

↖ SEE ATTACHED PROPOSAL

FILE #

COMMENTS: _____

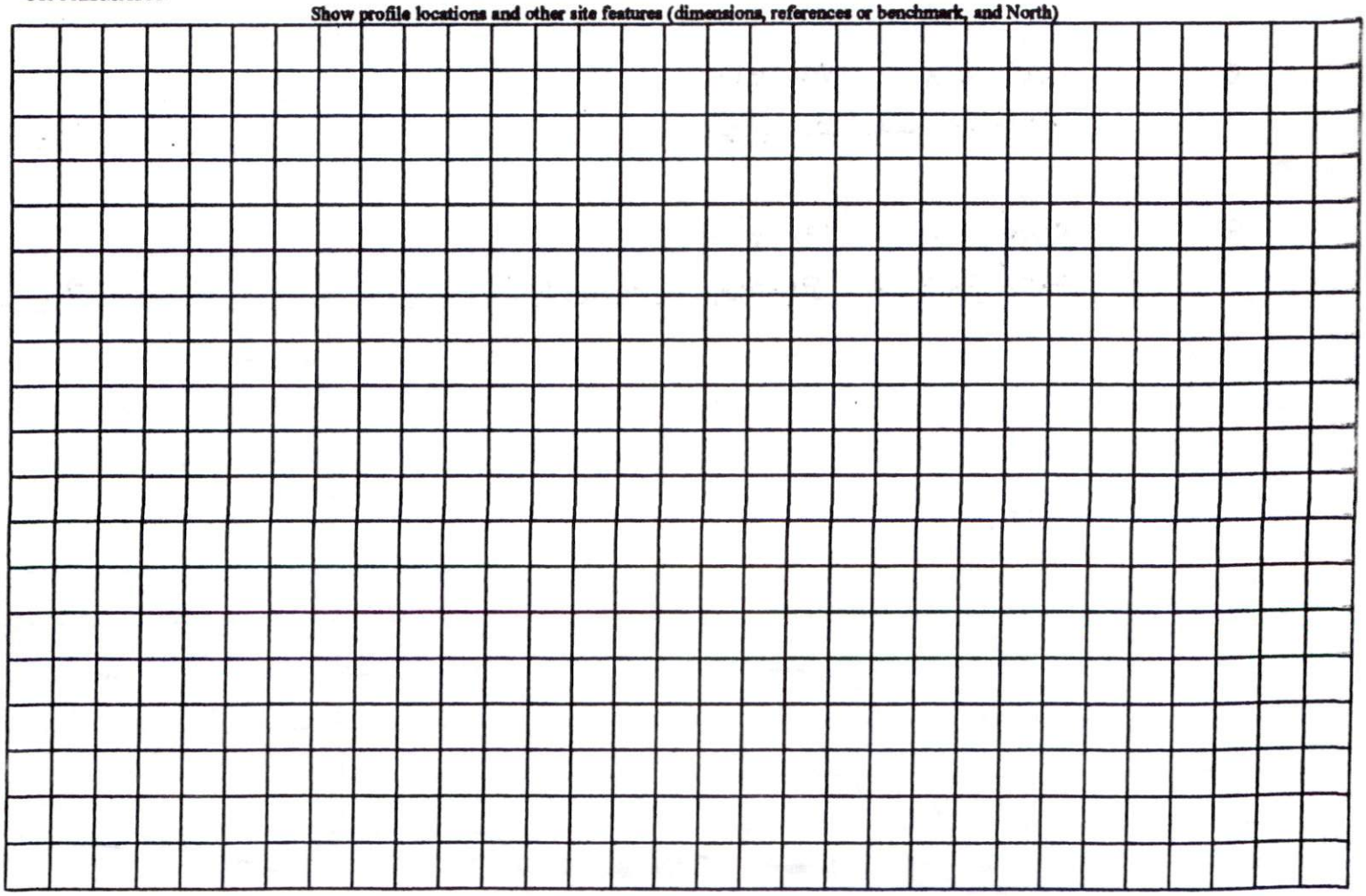
LANDSCAPE POSITIONS	GROUP	TEXTURES	1955 LTAR	CONSISTENCE MOIST	WET
R-RIDGE	I	S-SAND	1.2 - 0.8		
S-SHOULDER SLOPE		LS-LOAMY SAND		VFR-VERY FRIABLE	NS-NON-STICKY
L-LINEAR SLOPE				FR-FRIABLE	SS-SLIGHTY STICKY
FS-FOOT SLOPE	II	SL-SANDY LOAM	0.8 - 0.6	FI-FIRM	S-STICKY
N-NOSE SLOPE		L-LOAM		VFI-VERY FIRM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



Thomas J. Boyce
P.O. Box 81
Pittsboro, NC 27312
919-868-8135
NC Licensed Soil Scientist # 1241
NC Registered Sanitarian # 1353

Keith Bullock Builders
72 Overlook Ct.
Angier, NC 27501

Re: Walnut Grove lot 22, Lasater Rd., Harnett County

Dear Mr. Bullock,

A soils evaluation was completed on the above referenced property on January 18, 2010. The purpose of the evaluation was to determine the ability of the soils to support a subsurface waste disposal system. All ratings and determinations were made in accordance with "Laws and Rules for Sewage Treatment and Disposal Systems, 15A NCAC 18A .1900".

The tract was evaluated by auger borings and landscape position. The typical usable soils were a sandy loam over sandy clay loam, sandy clay or clay to twenty-four or more inches. The long term acceptance rate will probably be .3 gpd/sqft. The proposed house is three bedrooms with dimensions of 60' X 60'. Unsuitable soils were due to shallow depths to parent material, unsuitable soil characteristics, and soil wetness. The proposed system is an accepted system installed at-grade. Three different manifold designs are provided for the health department. The repair system is proposed to be drip irrigation without pretreatment utilizing soils greater than eighteen inches.

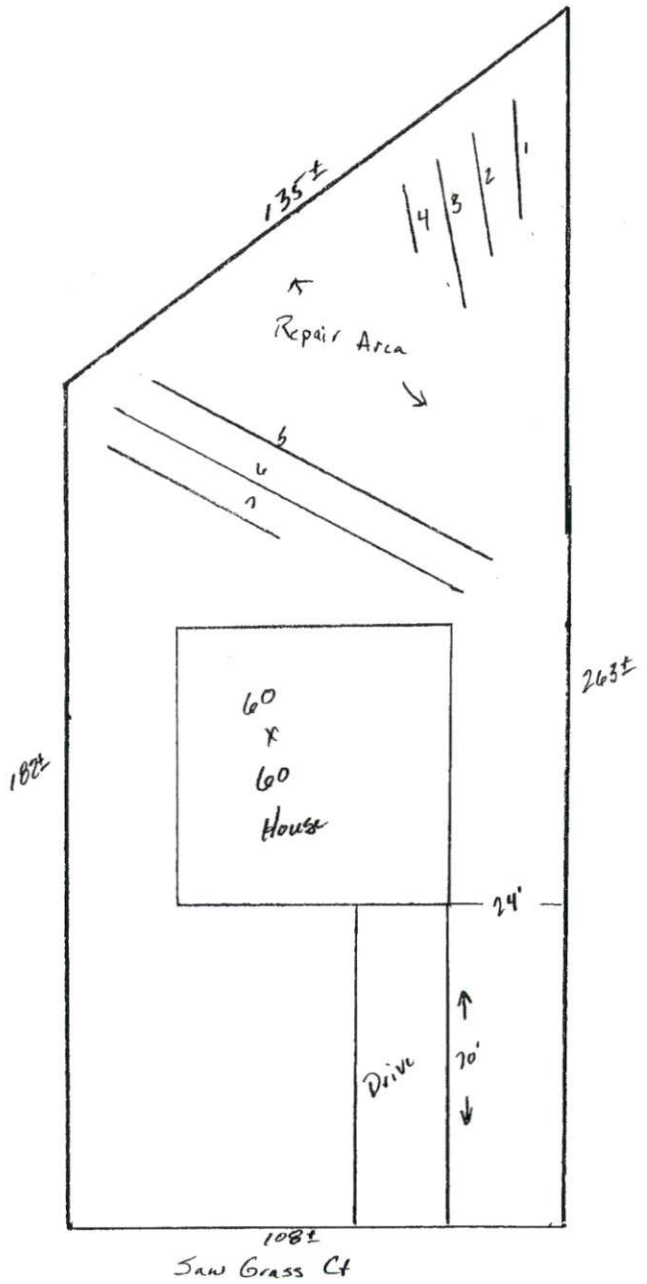
This report does not guarantee or represent approval or issuance of permits as needed by the local health department. This report only represents my opinion as a licensed soil scientist. I trust this is the information that you require at this time. If you have any questions or need assistance, please call.

Sincerely,

Thomas J. Boyce

Thomas J. Boyce

Thomas J. Boyce
P.O. Box 81
Pittsboro, NC 27312
919-868-8135
NC Licensed Soil Scientist # 1241
NC Registered Sanitarian # 1353



	C	L
1	R	25
2	W	27
3	R	33
4	W	15
5	W	84
6	R	84
7	W	42

310' Total

1" = 40'