artment of Environment, Health, and Natural Resources
sion of Environmental Health
site Wastewater Section

Property ID:
Lot #:
File #:
Code:

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner:
Address:
posed Facility:
ation of Site:
ter Supply: [ ] Public [ ] Individual [ ] Well
aluation Method: [ ] Auger Boring [ ] Pit
pe of Wastewater: [ ] Sewage [ ] Industrial Process

Applicant:
Date Evaluated:
Property Size:
Property Recorded:
[ ] Spring [ ] Other
[ ] Cut
[ ] Mixed

Design Flow (.1949):

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.	
	0-48	G LS	VFR NS/NP					S .8
	0-28	G LS	VFR NS/NP					S .8
	0-28	G LS	VFR NS/NP					S .8
	0-16	G LS	VFR NS/NP					MS .6
	16-48"	G SL	VFR SS/NP					
	0-23"	G LS	VFR NS/NP					PS .6
	23-40"	G SL	VFR SS/NP					

Description	Initial System	Repair System
Available Space (.1945)	✓	✓
System Type(s)	CON	CON
Site LTAR	.6	.6

Other Factors (.1946): _____
Site Classification (.1948): PS
Evaluated By: CT
Others Present: —

FILE # _____

COMMENTS: _____

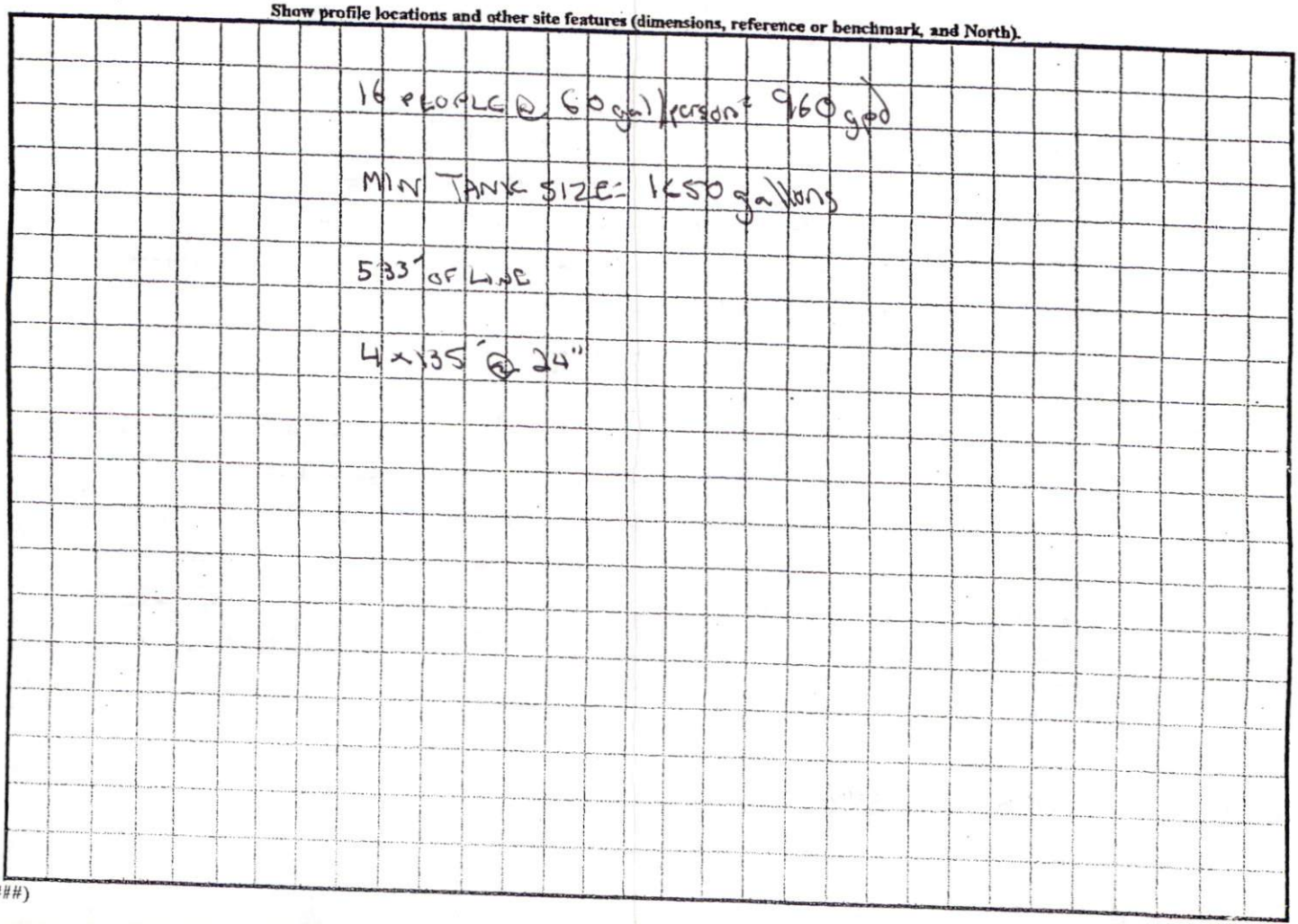
LANDSCAPE POSITIONS	GROUP	TEXTURES	.1955 LTAR	CONSISTENCE MOIST	WET
R-RIDGE S-SHOULDER SLOPE L-LINEAR SLOPE FS-FOOT SLOPE N-NOSE SLOPE H-HEAD SLOPE CC-CONCLAVE SLOPE CV-CONVEX SLOPE T-TERRACE FP-FLOOD PLAN	I	S-SAND LS-LOAMY SAND	1.2 - 0.8	VFR-VERY FRIABLE FR-FRIABLE FI-FIRM VFI-VERY FIRM EFI-EXTREMELY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

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).



(######)

Thomas J. Boyce
11886 NC 42
Holly Springs, NC 27540
919-557-0826
NC Licensed Soil Scientist # 1241
NC Registered Sanitarian # 1353

Jimmy Autry
5845 NC 210 South
Bunnlevel, NC 28323

Re: Migrant house site behind greenhouses at 5845 NC 210 South, Harnett County

Dear Mr. Autry,

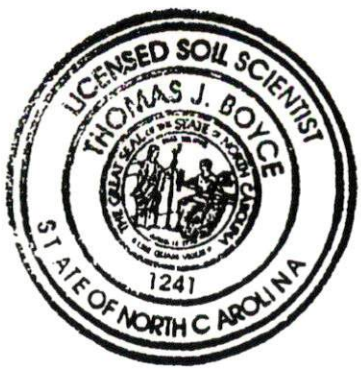
A soils evaluation was completed on the above referenced property on December 30, 2005. The purpose of the evaluation was to determine the ability of the soils to support a subsurface waste disposal system. All ratings and determinations were made in accordance with "Laws and Rules for Sewage Treatment and Disposal Systems, 15A NCAC 18A .1900".

The site was evaluated by auger borings and landscape position. The typical soils were thirty-four or more inches of loamy sand or sandy loam over sandy clay loam to thirty-six or more inches. The long term acceptance rate will probably be .6-.8 gpd/sqft. A system was laid out based on 20 people or 1200 gallons per day at a .6 long term acceptance rate. This means approximately 670 linear feet of conventional drainline with a 2,000 gallon septic tank. Smaller tanks can be used in series instead of a large tank. Enclosed is a drawing representing the site and the system.

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. A lot by lot evaluation should be done prior to recording. I trust this is the information that you require at this time. If you have any questions or need assistance, please call.

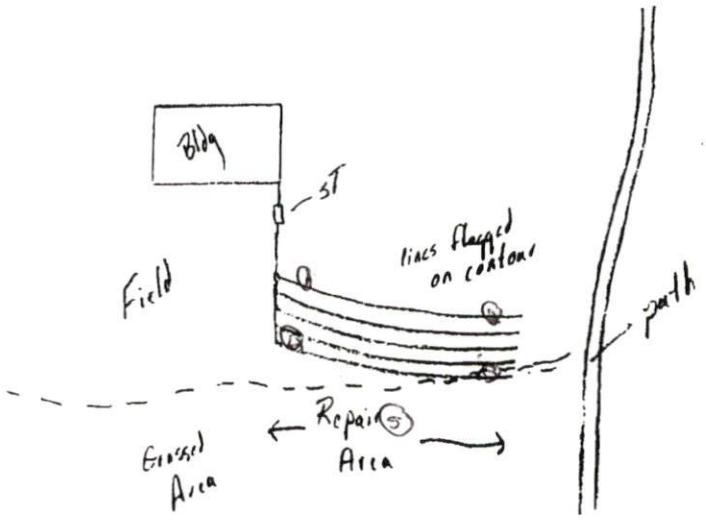
Sincerely,

Thomas J. Boyce



Jimmy Berry
5845 NC 210 South
Burnsville, NC 28714

Greenhouse



20 migrants = 1200 gpd
.6 LTAR
670' row length
or
5 lines - 135'

Septic Tank
1900 gallons
Single Tank or
two in series

LICENSED SOIL SCIENTIST
THOMAS J. BOYCE
1241
STATE OF NORTH CAROLINA

NTS