Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Sheet:
Property ID:
Lot #:
File #:
Code:

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner:
Applicant:
Address:
Date Evaluated:
Proposed Facility:
Design Flow (.1949):
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: .1941 Structure/ Texture	SOIL MORPHOLOGY .1941: .1941 Consistence Mineralogy	OTHER PROFILE FACTORS: .1942 Soil Wetness/ Color	OTHER PROFILE FACTORS: .1943 Soil Depth (IN.)	OTHER PROFILE FACTORS: .1956 Sapro Class	OTHER PROFILE FACTORS: .1944 Restr Horiz	Profile Class & LTAR
		48-0	Fill						
		0-48	Sil	FR / Gr	10YR 7/6	48			

Description	Initial System	Repair System
Available Space (.1945)		
System Type(s)	Gravel	LPP
Site LTAR	.6	.3

Other Factors (.1946):
Site Classification (.1948):
Evaluated By: J. Lut
Others Present: M. Eaker

Chart 2' chamber

FILE #_____

COMMENTS:_____

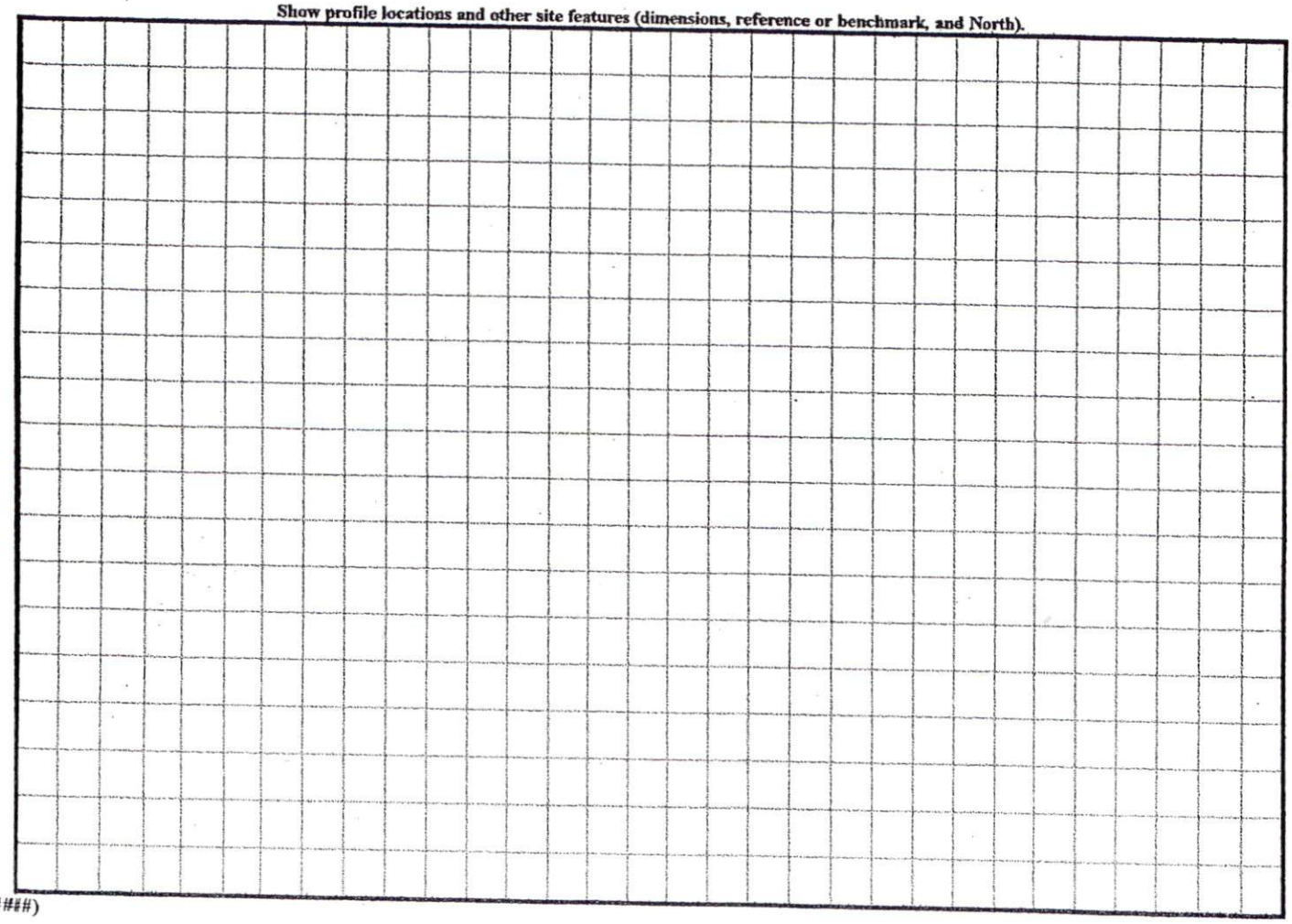
LANDSCAPE POSITIONS	GROUP	TEXTURES	.1955 LTAR	CONSISTENCE MOIST	WET
R-RIDGE S-SHOULDER SLOPE L-LINEAR SLOPE FS-FOOT SLOPE N-NOSE SLOPE H-HEAD SLOPE CC-CONCLAVE SLOPE CV-CONVEX SLOPE T-TERRACE FP-FLOOD PLAN	I	S-SAND LS-LOAMY SAND	1.2 - 0.8	VFR-VERY FRIABLE FR-FRIABLE FI-FIRM VFI-VERY FIRM EFI-EXTREMELY 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

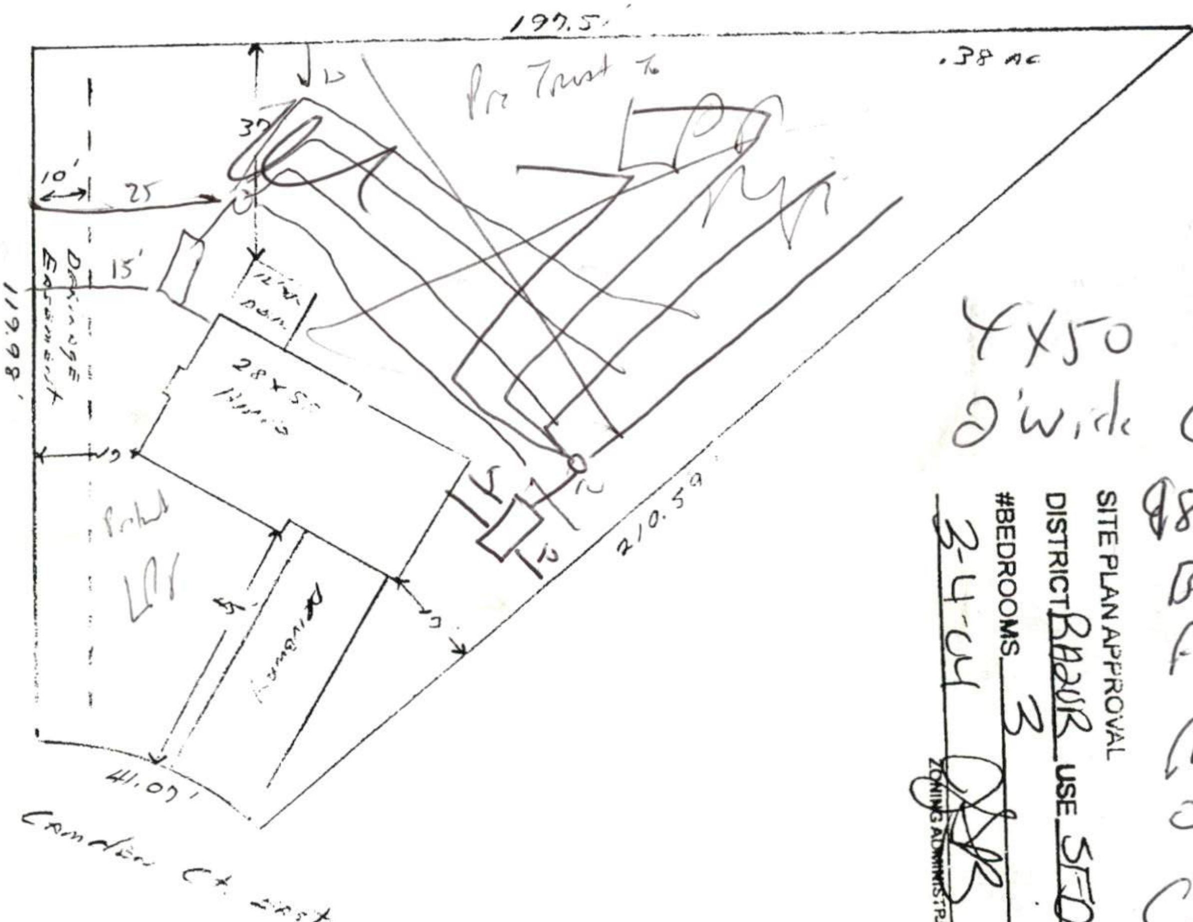
EXPANSIVE

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



(######)

1" = 30'



4x50
2' wide Chamber
18 to 12" Below Fill
Must Install Gravel

SITE PLAN APPROVAL
DISTRICT RA20R USE SFD
#BEDROOMS 3
3-4-04
ZONING ADMINISTRATOR

Odom Investments Inc
Lot # 132 Highland Forest
(The Grayson - Plan)

Southeastern Soil & Environmental Associates, Inc.

P.O. Box 9321
Fayetteville, NC 28311
Phone/Fax (910) 822-4540

March 22, 2004

Mr. Joe West
Harnett County Health Department
PO Box 09
Lillington, N.C. 27546

Re: Deep soil borings, Lots 122, 123 & 132, Highland Forest Subdivision, Harnett County, North Carolina

Dear Mr. West,

Deep soil borings were advanced in your presence on the aforementioned lots. The purpose of the deep borings was to evaluate soil characteristics for subsurface waste disposal below fill material (typically up to 6 feet deep) on the aforementioned lots. All ratings and determinations were made in accordance with "Laws and Rules for Sanitary Sewage Collection, Treatment, and Disposal, 15A NCAC 18A .1900".

Soils below the fill were typically loamy sand for 1 to 2 feet underlain by sandy loam or sandy clay loam to 4 feet. Soil wetness was typically greater than 4 feet below the original soil surface.

Due to space considerations, a 2' infiltrator may be required. Pretreatment may be required for repairs. Given the soil conditions, increased LTAR's are justifiable if pretreated effluent is used.

I trust this is the information you require at this time.

Sincerely,

Mike Eaker
NC Licensed Soil Scientist