Department of Environment, Health and Natural ...urces
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: 4 BDRM Design Flow (.1949): 480 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	
1	LS 0-2	0-12"	G SL	VFR NS/NP					
		12-36"	SBK CL	FR SS/NP					PS .4
2		0-12"	G SL	VFR NS/NP					
		12-36	SBK CL	FR SS/NP					PS .4

Description	Initial System	Repair System
Available Space (.1945)	✓	✓
System Type(s)	LPD & RED	
Site LTAR	.2	.2

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

FILE #

COMMENTS: _____

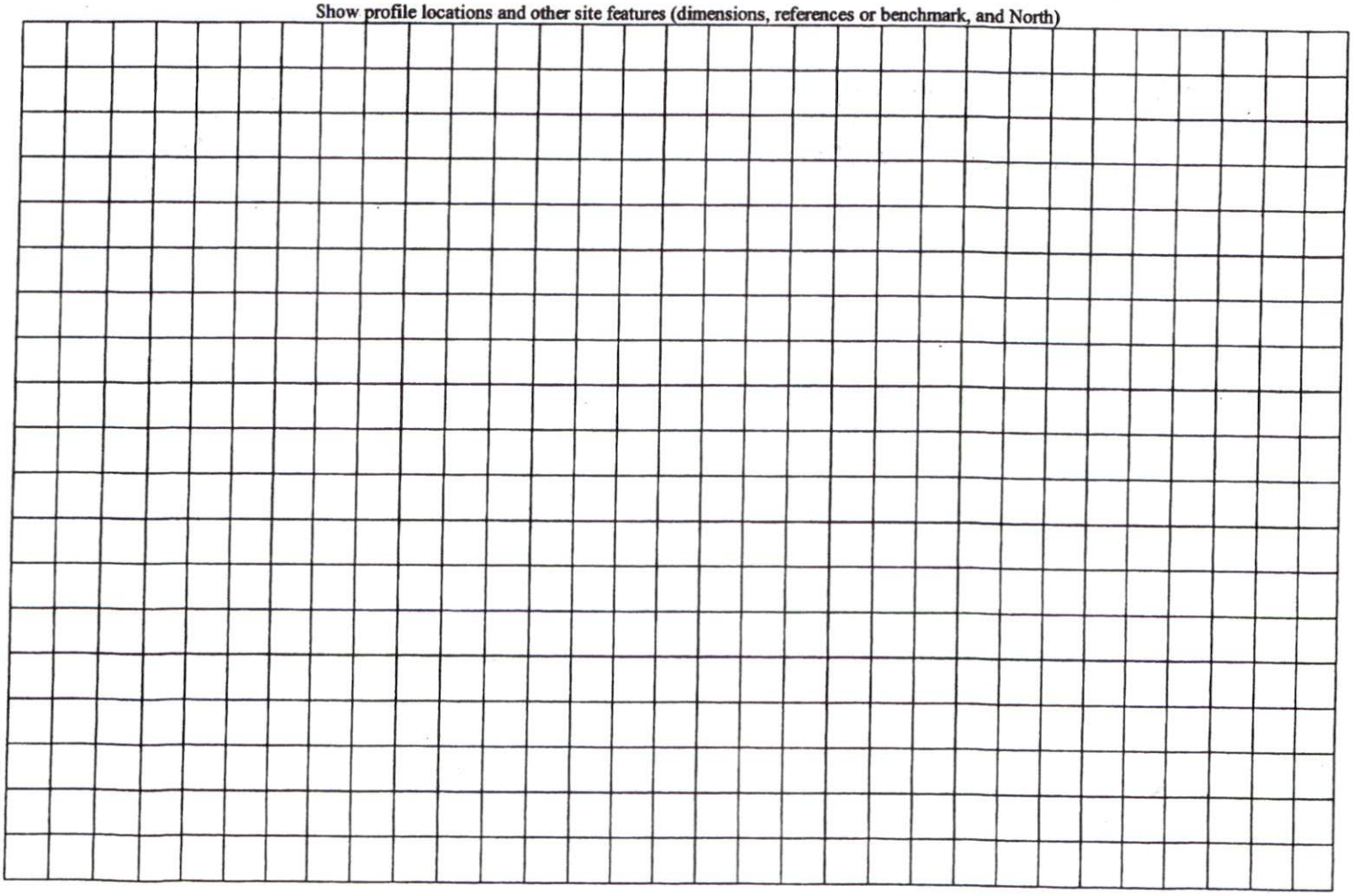
LANDSCAPE POSITIONS	GROUP	TEXTURES	.1955 LTAR	CONSISTENCE MOIST	WET
R-RIDGE	I	S-SAND	1.2 - 0.8		
S-SHOULDER SLOPE		LS-LOAMY SAND		VFR-VERY FRIABLE	NS-NON-STICKY
L-LINEAR SLOPE				FR-FRIABLE	SS-SLIGHTY STICKY
FS-FOOT SLOPE	II	SL-SANDY LOAM	0.8 - 0.6	FI-FIRM	S-STICKY
N-NOSE SLOPE		L-LOAM		VFI-VERY FIRM	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			

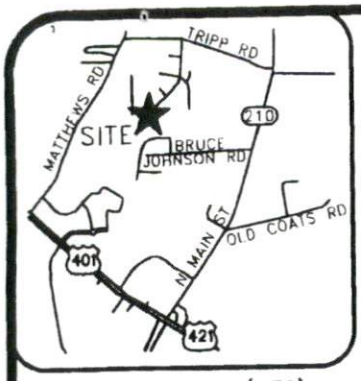
STRUCTURE
SG-SINGLE GRAIN
M- MASSIVE
CR-CRUMB
GR-GRANULAR
SBK-SUBANGULAR BLOCKY
ABK-ANGULAR BLOCKY
PL-PLATY
PR-PRISMATIC

MINERALOGY
SLIGHTLY EXPANSIVE

EXPANSIVE

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





VICINITY MAP (NTS)

LEGEND

AC=AIR CONDITIONING UNIT
BOC=BACK OF CURB
DW=CONC DRIVEWAY
EB=ELECTRIC BOX
EOP=EDGE OF PAVEMENT
P=PATIO
PO=PORCH
SCO=CLEANOUT
SW=SIDEWALK
TP=TELEPHONE PEDESTAL
WM=WATER METER
IRON PIPE FOUND
IRON PIPE SET
NAIL SET

IMPERVIOUS AREA

HOUSE	1,656 SQ.FT.
DRIVE	899 SQ.FT.
WALK	247 SQ.FT.
TOTAL	2,802 SQ.FT.

SURVEY IS OF AN EXISTING PARCEL OR PARCELS OF LAND AND DOES NOT CREATE A NEW STREET OR CHANGE AN EXISTING STREET.

SHAWN T. RUMBERGER, PLS L-4909 DATE

THIS MAP IS ONLY INTENDED FOR THE PARTIES AND PURPOSES SHOWN. THIS MAP IS NOT FOR RECORDATION. NO TITLE REPORT PROVIDED.

NOTE: SEPTIC SHOWN HEREON SCALED FROM SEPTIC PERMIT PROVIDED BY BUILDER. NOT TO BE USED FOR STAKING PURPOSES.

SETBACKS

FRONT	35'
SIDE	10'
REAR	25'
SIDE STREET	20'

LINE TABLE		
LINE	LENGTH	BEARING
L1	16.87	S 6°18'11" W
L2	17.13	S 4°23'22" W
L3	45.58	S 9°47'15" W

SITE PLAN APPROVAL

DISTRICT RA4C USE SFD

#BEDROOMS 4

8.31.16 ZONING ADMINISTRATOR.

PLAT NORTH! PB 2000, PG 549

SCUPPERNONG LANE
50' PUBLIC R/W

MUSCADINE COURT
50' PUBLIC R/W

SWEET JENNY LANE
50' PUBLIC R/W

78

79

.0484 AC.

S 83°41'49" E 183.76'

29.6

43.6

40.2

71.9

PROPOSED MADRE VALLEY

PROP CONC DRIVE

PORCH

L1 L2 L3 C8 C9 C10 C11

REVISION: FINALIZED HOUSE PLANS PER REQUEST 08-22-16

GRAPHIC SCALE

40 0 20

1 inch = 40 ft.

PLOT PLAN

CURVE TABLE				
CURVE	BEARING	CHORD	RADIUS	ARC
C8	S 24°46'52" E	30.82'	25.00'	33.21'
C9	S 54°8'14" E	107.35'	355.00'	107.76'
C10	S 88°53'8" E	34.38'	25.00'	37.91'
C11	S 26°1'46" W	129.07'	175.00'	132.19'

ECLS

PROJECT: 14-005
DRAWN BY: AMW
SCALE: 1"=40'
DATE: 08/09/16

FOR
GARY ROBINSON HOMES
MUSCADINE COURT
LOT 79 THE PLANTATION AT VINEYARD GREEN SUBDIVISION
NEILL'S CREEK TWP., HARNETT CO., NC
P.B. 2000, PG. 549

ECLS GLOBAL
U.S. VETERAN-OWNED
19 N. MCKINLEY ST
COATS, NC 27521
910.897.3257 ECLSINC.COM
910.897.2329 (FAX)

Southeastern Soil & Environmental Associates, Inc.

P.O. Box 9321
Fayetteville. NC 28311
Phone/Fax (910) 822-4540
Email mike@southeasternsoil.com

August 8, 2016

Mr. Chris Blanton
Fayetteville, NC

Re: Soil/site evaluation for subsurface waste disposal, 27 Muscadine Ct., Lillington, North Carolina

Dear Mr. Blanton,

A soil/site evaluation has been conducted on the aforementioned property at your request. The purpose of the investigation was to determine if soils were acceptable for a subsurface waste disposal system to serve a proposed single family residence (4 bedroom home). All ratings and determinations were made in accordance with "Laws and Rules for Sanitary Sewage Collection, Treatment, and Disposal, 15A NCAC 18A .1900".

At least one site was located on the tract containing soils that have provisionally suitable properties exceeding 36 inches. The site essentially lies on a broad flat (0 - 1%) landscape. Soil borings conducted in most of this area consisted of 12 or more inches of loamy sand underlain by sandy clay loam extending to 40 or more inches. Soil wetness and/or parent material (greater than 50%) was typically observed greater than 36 inches below the soil surface. All other soil characteristics were either suitable or provisionally suitable to at least 36 inches.

Based on soil borings and site conditions, the site would be designated provisionally suitable for a shallow conventional subsurface waste disposal system (depending on house location, may require the use of pumps, fill, innovative drainline, etc.). The site contains enough provisionally suitable area, as required, to allow for subsurface repairs (may require systems mentioned). A map showing the approximate location of the site accompanies this report. [**Note: No grading, rutting or other soil disturbance can occur in this area prior to obtaining a permit from the Harnett County Health Department. Any grading without a permit can alter the findings of this report.**]

A design for this system type may be required by the county health department prior to agency action (by SSEA; at separate expense to client).

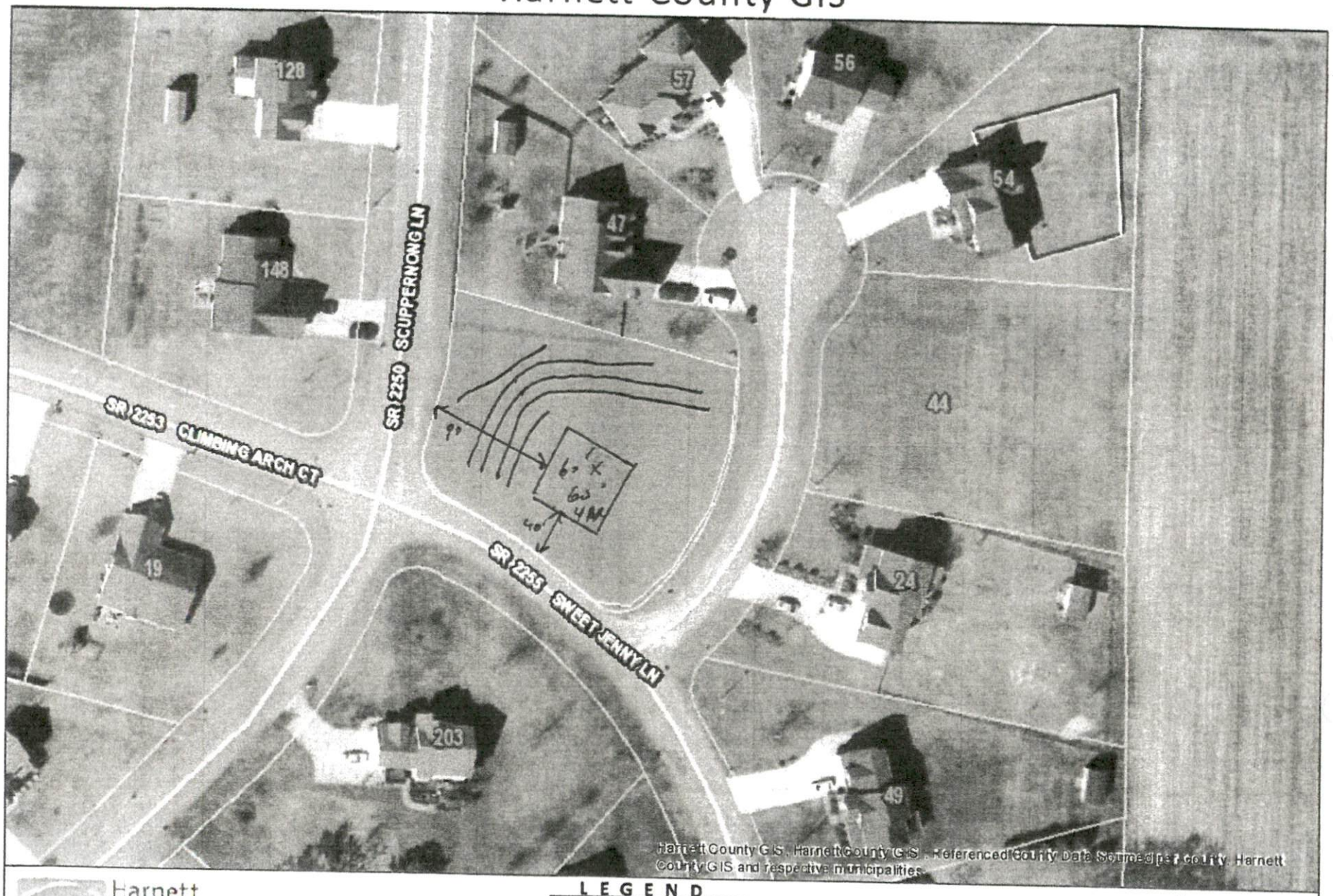
This report, of course, does not guarantee, constitute or imply that a permit will be issued by the Harnett County Health Department. Because professional differences of opinion sometimes occur, we recommend obtaining a permit from the Harnett County Health Department prior to making any financial commitments for your intended use. This is the only "guarantee" of a site's suitability.

This report only represents my professional opinion as a licensed soil scientist. Permits will only be granted if health department personnel concur with the findings of this report.

Sincerely,

Mike Eaker
NC Licensed Soil Scientist

Harnett County GIS



NOT FOR LEGAL USE

Harnett COUNTY

strong roots • new growth

GIS/E-911 Addressing

August 3, 2016

LEGEND

- Surrounding County Major Roads
- Surrounding County Boundaries
- USA Property
- City Limits
- Address Numbers
- Harnett County Major Roads
- Harnett County Roads
- Tax Parcel

N W E S

0 0.005 0.01 0.02 0.03 Miles

1 inch = 100 feet