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: Rob Stone Applicant: Brad D. Cummings
Address: NC 27 W. Date Evaluated: 08/01/17
Proposed Facility: 3BR SFD Design Flow (.1949): 360 GPD Property Size: 7.00AC
Location of Site: Property Recorded: YES
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	L 2%	0-18	GR LS	VFR SSP SSP					
		18-32	BK SCL	FI S P SSP					U/PS
		32+	Parent Mat.	—		32			0.4
2	L 2%	0-16	GR LS	VFR SSP SSP					
		16-26	BK CLAY	FI S P SSP					U/PS
		26+	Parent Mat.	—		26			0.3
3	L 4%	0-16	GR LS	VFR SSP SSP					U/PS
		16-30	BK CLAY	FI S P SSP	7.5YR 7/1 @ 26"	30+			0.3
4,5	L 4%	0-16	GR LS	VFR SSP SSP					U/PS
		16-34	BK CLAY	FI S P SSP	7.5YR 7/1 @ 30"	34+			0.3
6,7	L 4%	0-18	GR LS	VFR SSP SSP					U/PS
		18-36	BK CLAY	FI S P SSP	7.5YR 7/1 @ 32"	36+			0.3

Description	Initial System	Repair System
Available Space (.1945)		
System Type(s)	25% Red	25% Red
Site LTAR	0.3	0.3

Other Factors (.1946):
Site Classification (.1948): Unsuitable / Provisionally Suitable
Evaluated By: Andrew Curtin, REHS
Others Present:

FILE #

COMMENTS: _____

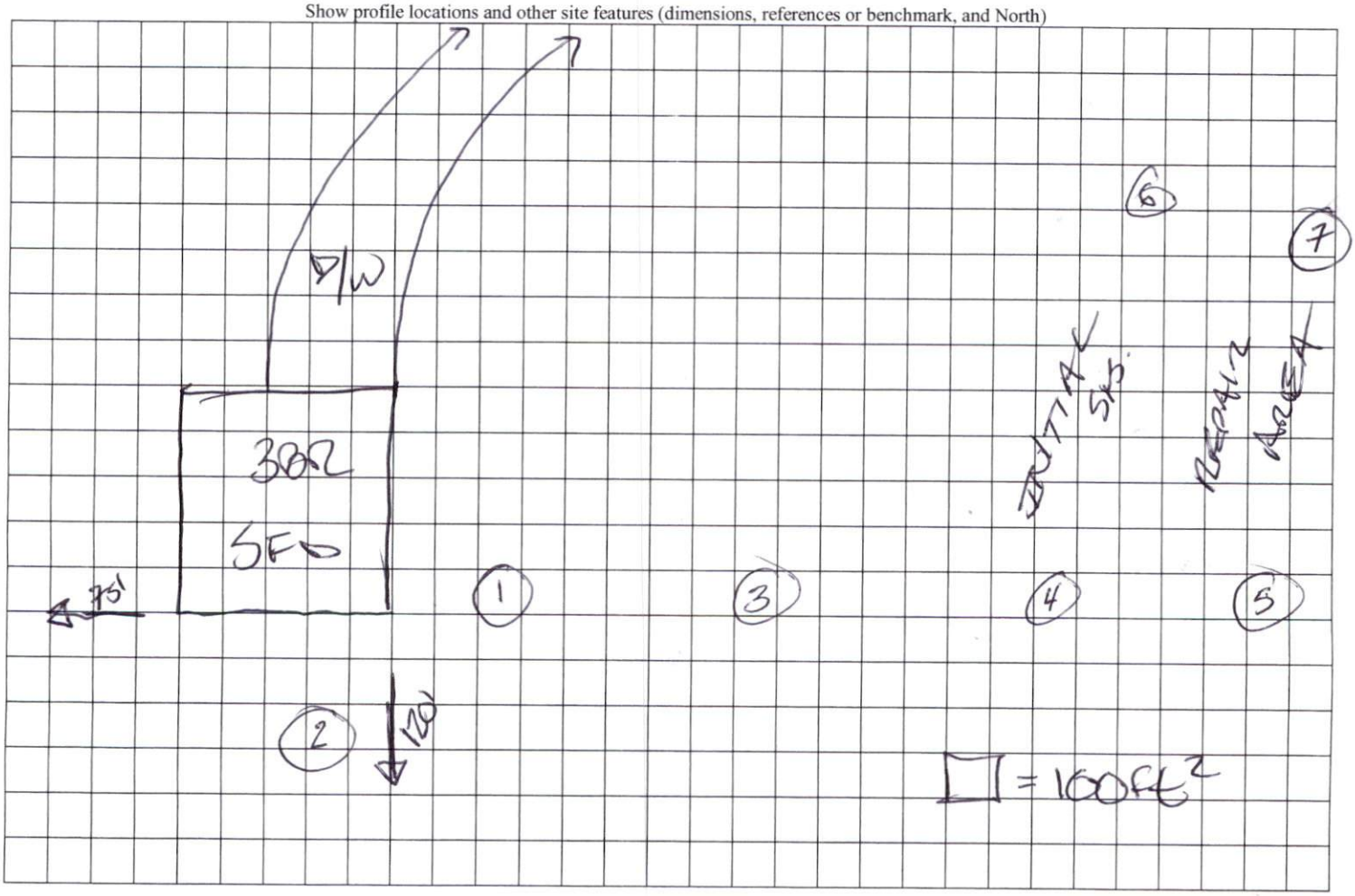
LANDSCAPE POSITIONS	GROUP	TEXTURES	.1955 LTAR	CONSISTENCE MOIST	WET
R-RIDGE	I	S-SAND	1.2 - 0.8		
S-SHOULDER SLOPE		LS-LOAMY SAND		VFR-VERY FRIABLE	NS-NON-STICKY
L-LINEAR SLOPE				FR-FRIABLE	SS-SLIGHTY STICKY
FS-FOOT SLOPE	II	SL-SANDY LOAM	0.8 - 0.6	FI-FIRM	S-STICKY
N-NOSE SLOPE		L-LOAM		VFI-VERY FIRM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

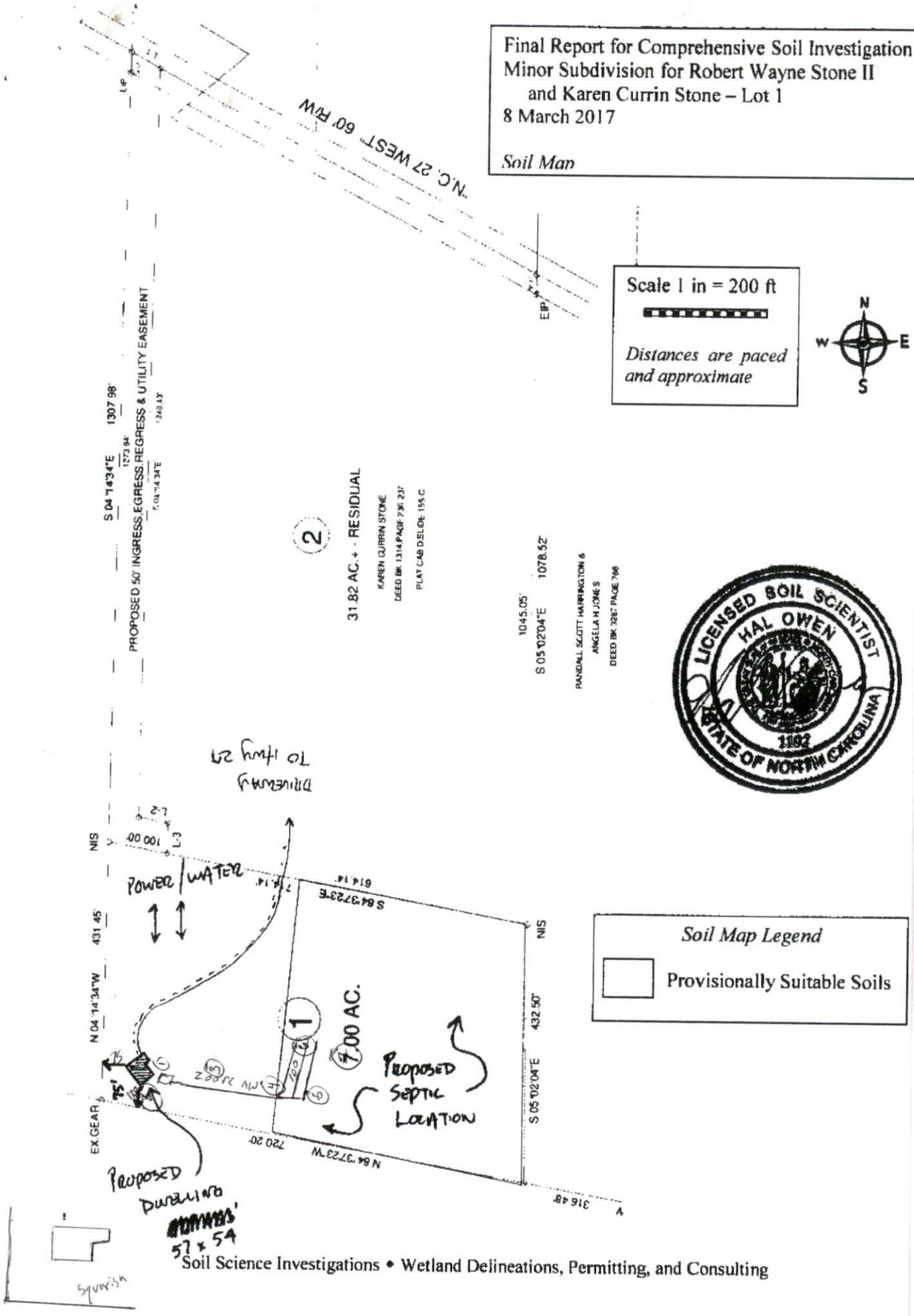
EXPANSIVE

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



Final Report for Comprehensive Soil Investigation
Minor Subdivision for Robert Wayne Stone II
and Karen Currin Stone – Lot 1
8 March 2017

Soil Map



HAL OWEN & ASSOCIATES, INC.

SOIL & ENVIRONMENTAL SCIENTISTS

P.O. Box 400, Lillington NC 27546-0400

Phone (910) 893-8743 / Fax (910) 893-3594

www.halowensoil.com

8 March 2017

Mr. Mickey Bennett
Bennett Surveys
1662 Clark Road
Lillington, NC 27546

Reference: Final Report for Comprehensive Soil Investigation
Minor Subdivision for Robert Wayne Stone II and Karen Currin Stone – Lot1

Dear Mr. Bennett,

A comprehensive soil investigation has been conducted at the above referenced property, located on the southern side of NC 27 W in the Barbecue Township of Harnett County, North Carolina. The purpose of the investigation was to determine the ability of each lot to support a subsurface sewage waste disposal system and repair area for a typical four-bedroom home. All soil ratings and determinations were made in accordance with "Laws and Rules for Sewage Treatment and Disposal Systems, 15A NCAC 18A .1900". It is our understanding that individual septic systems and public water supplies will be utilized at this site. The maximum house footprint used for this evaluation was 60 X 80 feet. Wetlands were not observed in the investigated area.

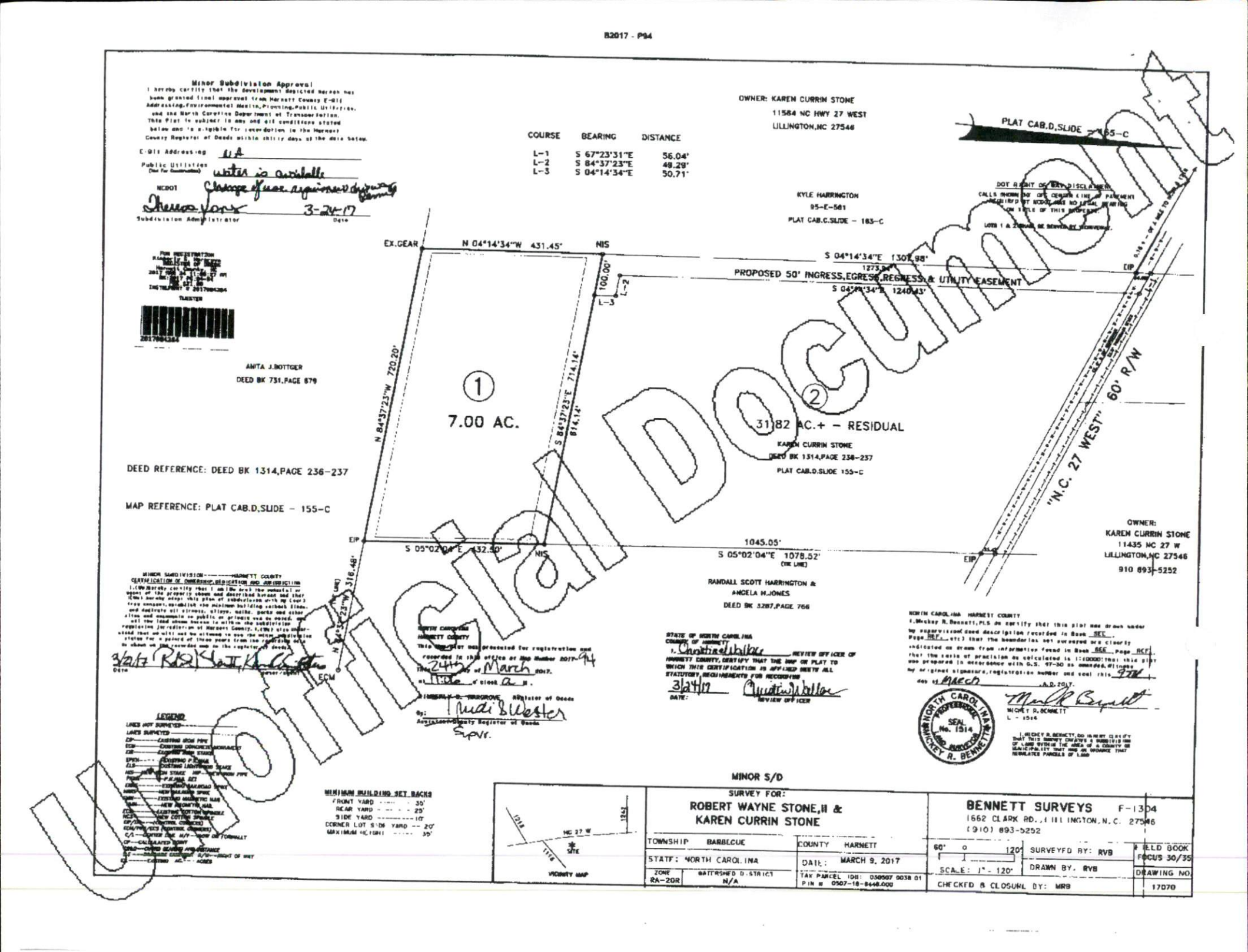
A portion of Lot 1 was observed to be underlain by provisionally suitable soils for subsurface sewage waste disposal. These provisionally suitable soils were observed to be friable sandy clay loams to greater than 36 inches and appear adequate to support long term acceptance rates of 0.3 to 0.4 gal/day/sqft. It appears that the soils on this lot are adequate to support a conventional septic system and repair area for one residence.

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

Hal Owen
Licensed Soil Scientist


Minor Subdivision Approval
I hereby certify that the development depicted hereon has been granted final approval from Harnett County E-911 Addressing, Environmental Health, Planning, Public Utilities, and the North Carolina Department of Transportation. This Plat is subject to any and all conditions stated below and is eligible for recordation in the Harnett County Register of Deeds within thirty days of the date below.
E-911 Addressing
Public Utilities
NCDOT
Subdivision Administrator
Date
OWNER: KAREN CURRIN STONE
11584 NC HWY 27 WEST
LILLINGTON,NC 27546
COURSE BEARING DISTANCE
L-1 S 67°23'31"E 56.04'
L-2 S 84°37'23"E 48.29'
L-3 S 04°14'34"E 50.71'
KYLE HARRINGTON
95-E-561
PLAT CAB.C,SLIDE - 183-C
PLAT CAB.D,SLIDE - 155-C
EX.GEAR
N 04°14'34"W 431.45'
NIS
S 04°14'34"E 1302.98'
1273.34'
PROPOSED 50' INGRESS,EGRESS,REGRESS & UTILITY EASEMENT
S 04°14'34"E 1240.43'
EIP
100.00'
L-2
L-3
ANITA J.BOTTGER
DEED BK 731,PAGE 879
N 84°37'23"W 720.20'
1
7.00 AC.
S 84°37'23"E 714.14'
814.14'
2
31.82 AC.+ - RESIDUAL
KAREN CURRIN STONE
DEED BK 1314,PAGE 236-237
PLAT CAB.D,SLIDE 155-C
"N.C. 27 WEST" 60' R/W
DEED REFERENCE: DEED BK 1314,PAGE 236-237
MAP REFERENCE: PLAT CAB.D,SLIDE - 155-C
OWNER:
KAREN CURRIN STONE
11435 NC 27 W
LILLINGTON,NC 27546
910 893-5252
EIP
1045.05'
S 05°02'04"E 432.50'
NIS
S 05°02'04"E 1078.52'
(TIE LINE)
RANDALL SCOTT HARRINGTON &
ANGELA H.JONES
DEED BK 3287,PAGE 766
N 84°37'23"W 316.48'
ECM
MINOR SUBDIVISION ---------- HARNETT COUNTY
CERTIFICATION OF OWNERSHIP, DEDICATION AND JURISDICTION
3/24/17
Owner/Agent
NORTH CAROLINA
HARNETT COUNTY
3/24/17
DATE:
REVIEW OFFICER
STATE OF NORTH CAROLINA
COUNTY OF HARNETT
NORTH CAROLINA HARNETT COUNTY
LEGEND
MINIMUM BUILDING SET BACKS
FRONT YARD ---- 35'
REAR YARD ---- 25'
SIDE YARD ---- 10'
CORNER LOT SIDE YARD ---- 20'
MAXIMUM HEIGHT ---- 35'
VICINITY MAP
NC 27 W
SITE
MINOR S/D
SURVEY FOR:
ROBERT WAYNE STONE,II &
KAREN CURRIN STONE
BENNETT SURVEYS F-1304
1662 CLARK RD.,LILLINGTON,N.C. 27546
(910) 893-5252
TOWNSHIP BARBECUE
COUNTY HARNETT
STATE: NORTH CAROLINA
DATE: MARCH 9, 2017
ZONE RA-20R
WATERSHED DISTRICT N/A
TAX PARCEL ID#: 050507 0038 01
PIN # 0507-18-8448.000
SCALE: 1" = 120'
SURVEYED BY: RVB
DRAWN BY: RVB
CHECKED & CLOSURE BY: MRB
FIELD BOOK FOCUS 30/35
DRAWING NO. 17070
Unofficial Document