Department of Environment, Health and Natural F Division of Environmental Health On-Site Wastewater Section

Applicant:

Owner:

ces

Sheet: Property ID: Lot #:

File #: Code:

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

System

2502

Available Space (.1945)

System Type(s)

Site LTAR

Location Water Evalua		: Auge	Public	Desig Prope	Evaluated: 7-6-17 gn Flow (.1949): 360 erty Recorded: ndividual	Vell Property Siz	e:	er		
P R O F I L	.1940 Landscape Position/ Slope %	Horizon	SO		DRPHOLOGY ,1941	.1942		-		
E #		Depth (In.)	.1941 Structu Textur	re/	.1941 Consistence Mineralogy	Soil Wetness/ Color	Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
1	L-200	0-14	SL		SK GANSNO	, 67 /				
		14-30	30-0,0	7	for 1 sacs. R	28 7.541				.35
2	L-200	0-12	SL		falon NONP	<i>5.</i> [
		12-30	Se- C1130	7	mines.P	28 711				-35
3	L-26	0-15			FR CONNERP	Sh				
		15-30	SC-CIA	9 1	EN 1725 P EN GRASNP EM 1 5345. (7.19				·35~
										- Francisco
Descrip	otion	I	nitial	Re	epair System	Other Factors (.1946):				

Site Classification (.1948):

Evaluated By:

Others Present:

COMMENTS: ____

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

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

MINERALOGY SLIGHTLY EXPANSIVE

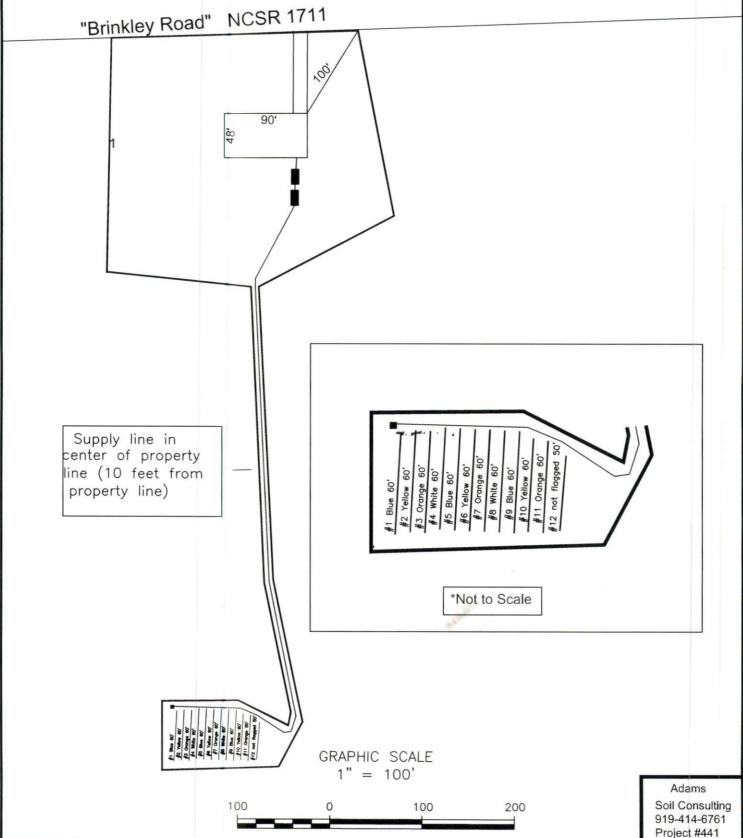
SIC-SILTY CLAY 0.4 - 0.1

EXPANSIVE

C-CLAY SC-SANDY CLAY

Т			_	_	T	Show	pron	Te loc	ations	and	otner	site ie	ature	s (din	nensic	ons, re	teren	ces or	benc	hmark	c, and	Nort	h)					
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Walter Meraz
120 Brinkley Road
4-Bedroom Septic Design Proposal
Harnett County, NC



Walter Meraz 120 Brinkley Road

Distribution Method

4-Bedroom Home (480 gal./day)

LINE #	COLOR	BS	HI	<u>FS</u>	ELEVATIO	N LINE LENGTH	Design Length
TBM		0.0		100.0		in field	installation
INST. 1			100.0				
1	Blue			2.3	97.7	70	60
2	Yellow			2.5	97.5	65	60
3	Orange			2.7	97.3	65	60
4	White			2.9	97.1	65	60
5	Blue			3.1	96.9	65	60
6	Yellow			3.2	96.8	65	60
7	Orange			3.3	96. 7	65	60
8	White			3.5	96.5	65	60
9	Blue			3.6	96.4	65	60
10	Yellow			3.7	96.3	60	60
11	Orange			3.8	96.2	60	60
12	not flagged		-	3.9	96.1	50	50
					Total	760	710
				System		Repair	
				Lines 1-6		Lines 4-7	
	System Type	9	1000	ed Status S	T-1	Accepted Status System	m
			I	EZ-FLOW		EZ-FLOW	
•		T 45				1.22	
Sug	gested Soil L	IAR		0.35		0.35	
т.	4-11:1	41-		260		250	
10	tal Line Leng	gtn		360		350	
s	quare Footag	ne		1080		1050	
·	quare i cota;	90		1000		1030	
Propo	sed Trench E	3ottom		18"		16"	
	A A AN AN AN ANALAS			• •		10	

Pump to D-Box

Pump to serial distribution

HAL OWEN & ASSOCIATES, INC.

SOIL & ENVIRONMENTAL SCIENTISTS

P.O. Box 400, 266 Old Coats Road Lillington, NC 27546-0400 Phone (910) 893-8743 / Fax (910) 893-3594 www.halowensoil.com

2 May 2011

Mr. Evencio Zavaleta 2250 Benson Hardee Road Benson, NC 27504

Reference: Final Report for Comprehensive Soil Investigation
Lots 1 and 2, Evencio Zavaleta Property (NC PIN 1518-64-2345.000)

Dear Mr. Zavaleta,

A comprehensive soil investigation has been conducted at the above referenced property, located on the southern side of Brinkley Road (SR 1711), Averasboro Township, 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 three-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 50 X 50 feet. Wetlands were not observed on Lot 1. Wetlands appear to be present on Lot 2 along Cow Branch (the eastern property line) but will not likely be impacted by the addition of one additional residence.

A portion of each lot was investigated and found to be underlain by soils rated as provisionally suitable for modified or alternative subsurface sewage waste disposal. These soils were observed to be friable sandy clay loams to greater than 24 inches and appear adequate to support a long term acceptance rate of 0.4 gal/day/sqft. It appears that the soils on each lot are adequate to support a shallow conventional septic system and repair area for at least one residence.

Lot 2 has an existing residence with an existing septic system that appeared to be functioning properly on the day of the investigation. This existing septic system appeared to be located within any property line setback requirements for this property. A soil investigation was conducted and it appears that an adequate amount of provisionally suitable soil exists on this lot to 100 % repair the system if it should fail.

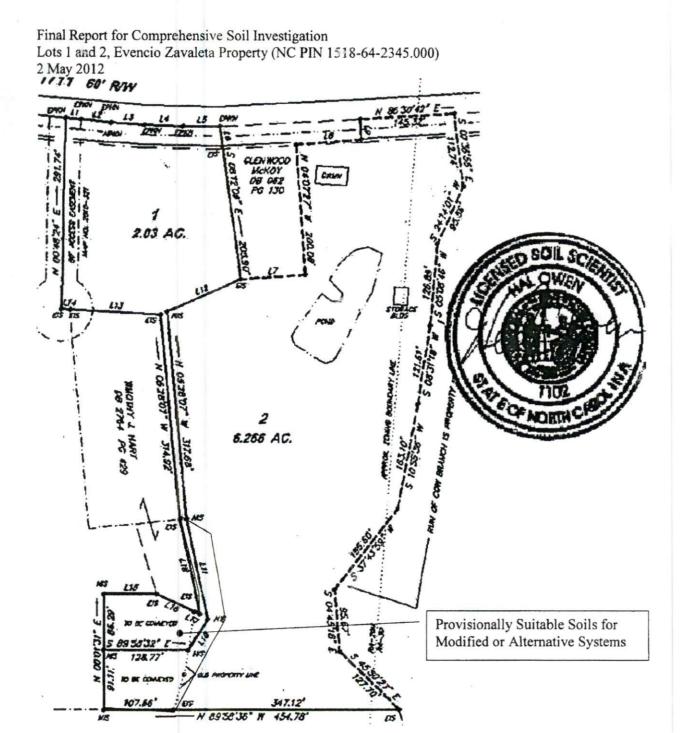
This soil investigation report and map, when provided to the Harnett County Health Department, should allow them to sign the maps for recordation. I appreciate the opportunity to provide this service and hope to be allowed to assist you again in the future. If you have any questions or need additional information, please contact me at your convenience.



Sincerely,

Hal Owen

Licensed Soil Scientist



Soil Science Investigations • Wetland Delineations, Permitting, and Consulting