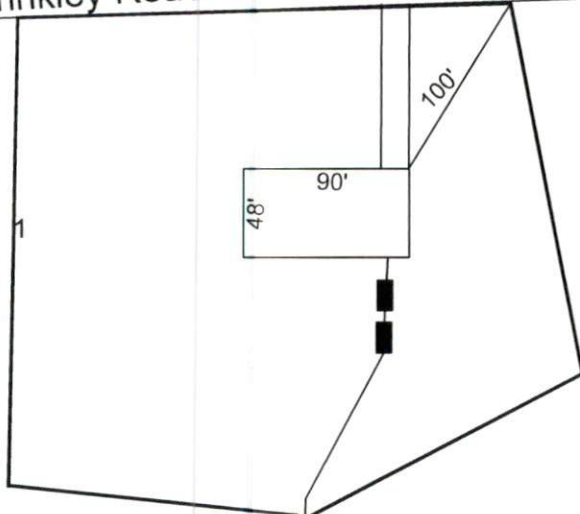
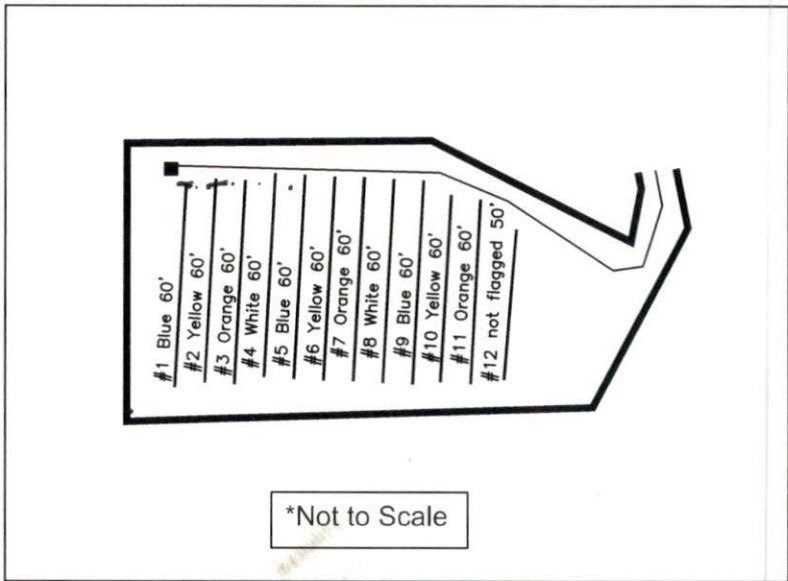


Walter Meraz
 120 Brinkley Road
 4-Bedroom Septic Design Proposal
 Harnett County, NC

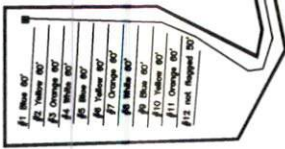
"Brinkley Road" NCSR 1711



Supply line in center of property line (10 feet from property line)



*Not to Scale



GRAPHIC SCALE
 1" = 100'



Adams
 Soil Consulting
 919-414-6761
 Project #441

Walter Meraz
120 Brinkley Road

4-Bedroom Home (480 gal./day)

<u>LINE #</u>	<u>COLOR</u>	<u>BS</u>	<u>HI</u>	<u>FS</u>	<u>ELEVATION</u>	<u>LINE LENGTH</u>	<u>Design Length</u>
TBM		0.0		100.0		<u>in field</u>	<u>installation</u>
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

	<u>System</u>	<u>Repair</u>
	Lines 1-6	Lines 4-7
System Type	Accepted Status System EZ-FLOW	Accepted Status System EZ-FLOW
Suggested Soil LTAR	0.35	0.35
Total Line Length	360	350
Square Footage	1080	1050
Proposed Trench Bottom	18"	16"
Distribution Method	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,

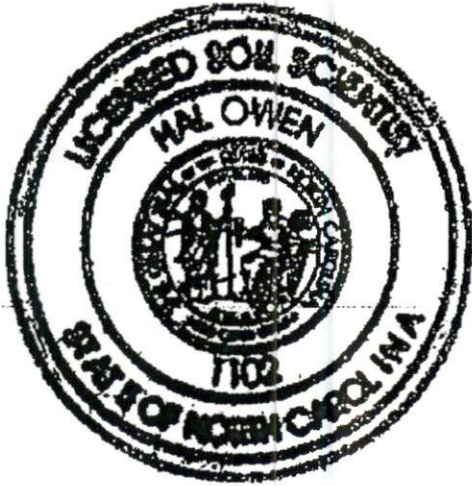
A comprehensive soil investigation has been conducted at the above referenced property, located on the southern side of Brinkley Road (SR 1711), Averasboro Township, Harnett County, North Carolina. The purpose of the investigation was to determine the ability of each lot to support a subsurface sewage 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.

HAL OWEN & ASSOCIATES, INC.

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,

A handwritten signature in cursive script that reads "Hal Owen".

Hal Owen
Licensed Soil Scientist

Final Report for Comprehensive Soil Investigation
 Lots 1 and 2, Evencio Zavaleta Property (NC PIN 1518-64-2345.000)
 2 May 2012

1177 60' RW

