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

Applicant:

Owner:

System Type(s)
Site LTAR

rai Resources

SI Property ID: Lot #: File #: Code:

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

R O F I	.1940 Landscape	Horizon	SOIL M	ORPHOLOGY .1941	¥+.	OTHER PROFILE FACTOR	RS		
E #	Position/ Slope %	Depth (In.)	.1941 Structure/ Texture	.1941 Consistence Mineralogy	.1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
	~ 600	0770	G/W	VFr MPP		-	* .	10 1.	5.8
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Others Present:

COMMENTS: ____

LANDSCAPE POSITIONS	GROUP	TEXTURES	1955 LTAR	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		
F3-FOOT SLOPE N-NOSE SLOPE H-HEAD SLOPE	II	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	S	SI-SILT SIL-SILT LOAM CL-CLAY LOAM SCL-SANDY CLAY LOAM	0.6 - 0.3		SP-SLIGHTLY STICKY P-PLASTIC VP-VERY PLASTIC		

0.4 - 0.1

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

MINERALOGY SLIGHTLY EXPANSIVE

SIC-SILTY CLAY

C-CLAY SC-SANDY CLAY

EXPANSIVE

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March 6, 2011

Harnett County Health Department 307 Cornelius Harnett Blvd. Lillington, N.C. 27546

Re: Soil evaluation and final septic recommendation, 0.90 acre lot, BBC Enterprises, West Dove Ridge Lane, Harnett County, North Carolina

To whom it may concern,

A preliminary soils investigation has been completed for the above referenced lot. The property is located on West Dove Ridge Lane (off NCSR 1120) as shown on the accompanying map. The purpose of the investigation was to determine the ability of the soil to support any subsurface waste disposal system for the proposed lot. All ratings and determinations were made in accordance with "Laws and Rules for Sanitary Sewage Collection, Treatment, and Disposal, 15A NCAC 18A .1900".

The lot appears to contain at least one area that meets minimum criteria for subsurface waste disposal systems for at least a typical (60' x 60') 5 bedroom home (may include the use of conventional drainlines, gravelless drainlines, fill, french drains, etc.). Soil characteristics in the usable areas were dominantly provisionally suitable 36 inches including .1940, .1941, .1942, .1943, .1944 and .1945. A soil map indicating typical soil areas that meet these criteria is enclosed. The lot appears to contain sufficient available space for a repair area for at least a typical 5 bedroom home (may include the use of any of the systems mentioned above).

This lot may require specific design/layout on our part prior to action by the local health department due to space and soil considerations (at separate cost to client). Specific house location, house size, driveway location and/or side entry garage may be required on any individual lot. There should be no grading or other site disturbance in soil areas designated as usable for subsurface waste disposal until approved by the local health department (any site disturbance could remove soil and render the area unusable).

When evaluated, the soil areas designated as usable for subsurface waste disposal were dry to at least 24 inches. During wetter time periods, subsurface water could be found in any of these soil areas at shallower depths. The local health department has the authority to deny a permit to any soil where water saturates a soil boring. SSEA cannot be certain that this will not occur on any of these lots. If this occurs (and cannot be remedied with a french drain or other drainage), any of these lots could become unsuitable due to .1942 (soil wetness).

As with any property, this report does not guarantee, represent or imply approval or issuance of improvement permit as needed by the client from the local health department (as such, any potential buyers of these properties should obtain appropriate permits from the local health department prior to making and/or completing purchase obligations or financial commitments. Since professional opinions sometimes differ, an actual improvement permit issuance by the local health department is the only "guarantee" of a site's suitability for a buyers intended use.). This report only addresses rules in force at the time of evaluation. Permits will only be granted if the local health department concurs with the findings of this report. This report only represents my professional opinion as a licensed soil scientist. I trust this is the information you require at this time. If you have any questions, please call.

Sincerely.

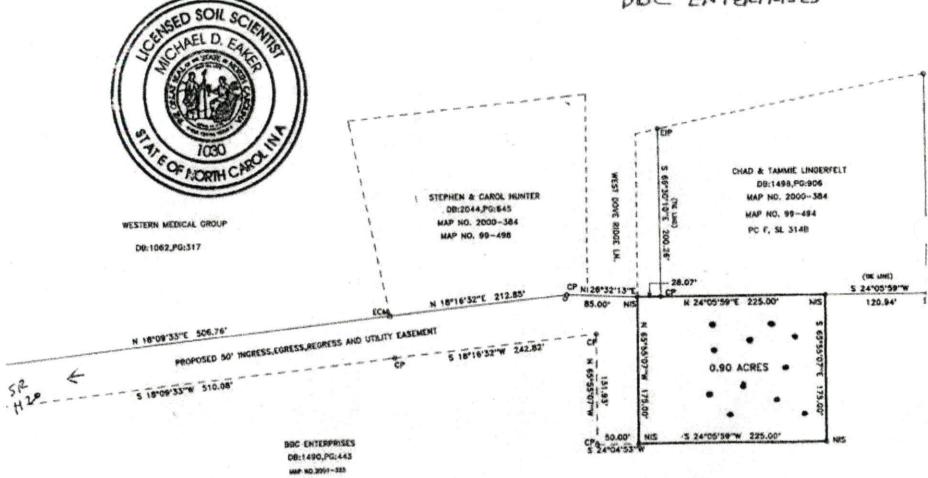
Mike Eaker

MuE

NC Licensed Soil Scientist



BBC ENTERPRISES



Fi = Provisionally Suntable

