Department of Environment, Health, and Natural Resources Division of Environmental Health

On-site Wastewater Section

311661

Property II

Lot #:

File #: Code:

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Applicant: Owner: Date Evaluated: Address: Proposed Facility: 4 6 EDQDOM >> On & Design Flow (.1949): 480 50 Property Size: Location of Site: Property Recorded: [] Individual Public [] Well [] Spring []Other Water Supply: XAuger Boring []Pit [] Cut Evaluation Method: Type of Wastewater: **∑**8ewage [] Industrial Process [] Mixed

		SOIL M	IORPHOLOGY .1941	PROFI	OTHER LE FACTO	RS		
.1940 Landscape Position/ Slope%	Horizon 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
0.951°	12-57,	38% SCL 38% C	FR 5/2					e 5.3
		-						
	14							

Description	Initial System	Repair System
Available Space (.1945)	J	MONBEDED
System Type(s)	242 LEW	
Site LTAR	.3	

Other Factors (.1946):

Site Classification (.1948):

Evaluated By:

Others Present:

SYSTEM PERMIT BASED ON PROPOSAL FROM HAL OWEN & ABSOCIATES

FILE #

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	NS-NON-STICKY
FS-FOOT SLOPE N-NOSE SLOPE H-HEAD SLOPE	11	SL-SANDY LOAM L-LOAM	0.8 - 0.6	FI-FIRM VFI-VERY FIRM EFI-EXTREMELY FIRM	SS-SLIGHTLY STICKY S-STICKY VS-VERY STICKY NP-NON-PLASTIC
CC-CONCLAVE SLOPE CV-CONVEX SLOPE T-TERRACE FP-FLOOD PLAN	ш	SI-SILT- SIL-SILT LOAM CL-CLAY LOAM SCL-SANDY CLAY LOAM SICL-SILTY CLAY LOAM	0.6 - 0.3		SP-SLIGHTLY STICKY P-PLASTIC VP-VERY PLASTIC
	IV	SIC-SILTY CLAY C-CLAY SC-SANDY CLAY	0.4 - 0.1		

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

MINERALOGY SLIGHTLY EXPANSIVE

EXPANSIVE

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HA. WEN & ASSOCIATES, . . .

SOIL & ENVIRONMENTAL SCIENTISTS

P. O. Box 400, 266 Old Coats Road Lillington, NC 27546 Phone (910) 893-8743 / Fax (910) 893-3594 E-mail: halowen@intrstar.net

28 December, 2001

Mr. Doug Maclean C/o Horton Homes 7324 Capital Blvd. Raleigh, NC 27616

Reference: Septic System Design for Single Family Dwelling Lots 6M-8M, Captain's Landing Wayne and Lynn Lasalle Property

Dear Mr. Horton,

A septic system design has been prepared for the above referenced property to demonstrate Lots 6M-8M's ability to adequately support a four-bedroom home. A fill system utilizing conventional drainlines was able to be demonstrated for the initial septic system and a fill system utilizing innovative drainlines was demonstrated on the lot for the repair system. Attached is the septic system design and supporting information that has been submitted on your behalf to Mr. Oliver Tolksdors of the Harnett County Health Department for the review and permitting process. This report represents our professional opinion but does not guarantee or represent permit approval for any lot by the local Health Department.

The septic system has been demonstrated with various colored pin flags that are located on the lot. Once you have re-applied for a permit from the Health Department and they have visited the site and issued a permit, the portion of lot 6M that is being utilized for the initial septic system will have to be cleared for installation of the drainfield. We would like to take this time to reiterate the importance that little to no ground disturbing activity should be conducted. The topsoil should not be scraped, or moved or re-shaped in any way. Large trees should be removed with as little impact as possible. It is recommended that the large trees are cut off at ground level and the stumps left in the ground. You may wish to use a stump grinder to further remove some of the stump material down to the original ground surface or just below. Holes or depressions left by tree removal or other clearing activities should be filled in to original grade with topsoil type materials either brought in from off site or gathered from onsite in areas not designated for the septic system or the repair area. If there is any doubt about where materials can be gathered from on site, you should request that we provide guidance or use In addition to these aforementioned an off site source for the needed materials. recommendations, it is important that no activity or installation is carried out during wet conditions and the use of heavy equipment on the lot should be kept at a bare minimum.

We 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 us at your convenience.

Sincerely,

Laura J. Fortner

Soil Scientist in Training III

Hal Owen

Licensed Soil Scientist