DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet ___ of ___
PROPERTY ID #: ___
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: NEX HOMES, LLC BRADFORD LEE
ADDRESS: PO Box 4390 MOORESVILLE NC 28117
PROPOSED FACILITY: 3 BEDROOM PROPOSED DESIGN FLOW (.1949): 360
LOCATION OF SITE: WOOD BRIDGE ESTATES Lot 3
WATER SUPPLY: ☐ Private ☐ Public ☑ Well ☐ Spring ☐ Other ___
EVALUATION METHOD: ☐ Auger Boring ☐ Pit ☐ Cut

APPLICATION DATE ___
DATE EVALUATED: 9/6/06
PROPERTY SIZE: .631 Ac
PROPERTY RECORDED: ___
TYPE OF WASTEWATER: ☑ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	L 8%	0-1	scl / wdg	ns np ss/ nexp	>36	36	NA	PS	PS .3
		1-24	c / mmsbk	ss sps/ sexp					
		24-36	cl / msbk	ss sps/ sexp					
2	L 8%	0-2	scl / wdg	ns np ss/ nexp	>42	42	NA	PS	PS .3
		2-42	c / mmsbk	ss sps/ sexp					
3	L 8%	0-1	scl / wdg	ns np ss/ nexp	>34	34+ AR	NA	PS	PS .3
		1-34	c / mmsbk	ss sps/ sexp					
4	L 8%	0-1	scl / wdg	ns np ss/ nexp	>41	41+ AR	NA	PS	PS .3
		1-19	c / mmsbk	ss sps/ sexp					
		19-29	c / msbk	ss sps/ sexp					
		29-41	c / mmsbk	ss sps/ sexp					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	300 LF	300 LF
System Type(s)	Innovative	Innovative
Site LTAR	0.3	0.3

OTHER FACTORS (.1946): PS
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: EB CP WD JB
OTHER(S) PRESENT: ___

LICENSED SOIL ... 1218 ... FOR NORTH CA...

COMMENTS:



DENR/DEH

ON-SITE WASTEWATER SECTION

105
14479
4715-44-0050

Sheet 1 of 1
PROPERTY ID #:
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: David Ledford
ADDRESS: 141 Briar Lake Statesville 28625
PROPOSED FACILITY: House
PROPOSED DESIGN FLOW (.1949): 430
LOCATION OF SITE: 64 W to Hwy 70 Broadhedge (R) Loop Side on left
WATER SUPPLY: • Private • Public • Well • Spring • Other
EVALUATION METHOD: • Auger Boring • Pit • Cut
TYPE OF WASTEWATER: • Sewage • Industrial Process • Mixed

APPLICATION DATE 11-30-09
DATE EVALUATED: 12-14-09
PROPERTY SIZE: 1.631
PROPERTY RECORDED:

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	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
1	L 8%	0-7	C WBK	SSSPSMPK					
		7-48	C WBK	SSSPSMPK	- mottles				
					6/6 10YR	48	NA	NA	.25
2	L 8%	0-9	CWBK	SSSPSMPK					
		9-21	CWBK	SSSPSMPF					
		21-48	CABK	SSSPSMPF	- mottles				
					6/7 10YR	48	NA	NA	.25
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	400/400	196/267
System Type(s)	25% 6"Mg	50% Low Pr
Site LTAR	.3 (Restr)	.25

OTHER FACTORS (.1946): NA
SITE CLASSIFICATION (.1948): PS
EVALUATED BY:
OTHER(S) PRESENT:

COMMENTS:

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL ,1955 LTAR*	LPP ,1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope)	I	S (Sand)	1.2 - 0.8	0.6 - 0.4	NEXP (Non-expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)			SEXP (Slightly Expansive)	M (Massive)
D (Drainage Way)					EXP (Expansive)	CR (Crumb)
DS (Debris Slump)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3		GR (Granular)
FP (Flood Plain)		L (Loam)				SBK (Subangular Blocky)
FS (Foot Slope)						ABK (Angular Blocky)
H (Head Slope)	III	Si (Silt)	0.6 - 0.3	0.3 - 0.15		PL (Platy)
L (Linear Slope)		SiCL (Silty Clay Loam)				PR (Prismatic)
N (Nose Slope)		CL (Clay Loam)				
R (Ridge)		SCL (Sandy Clay Loam)			**MOIST**	**WET**
S (Shoulder Slope)		SiL (Silt Loam)				
T (Terrace)					VFR (Very Friable)	NS (Non-sticky)
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FR (Friable)	SS (Slightly Sticky)
		SiC (Silty Clay)			FI (Firm)	S (Sticky)
		C (Clay)			VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		O (Organic)	None	None	EFI (Extremely Firm)	NP (Non-plastic)
						SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

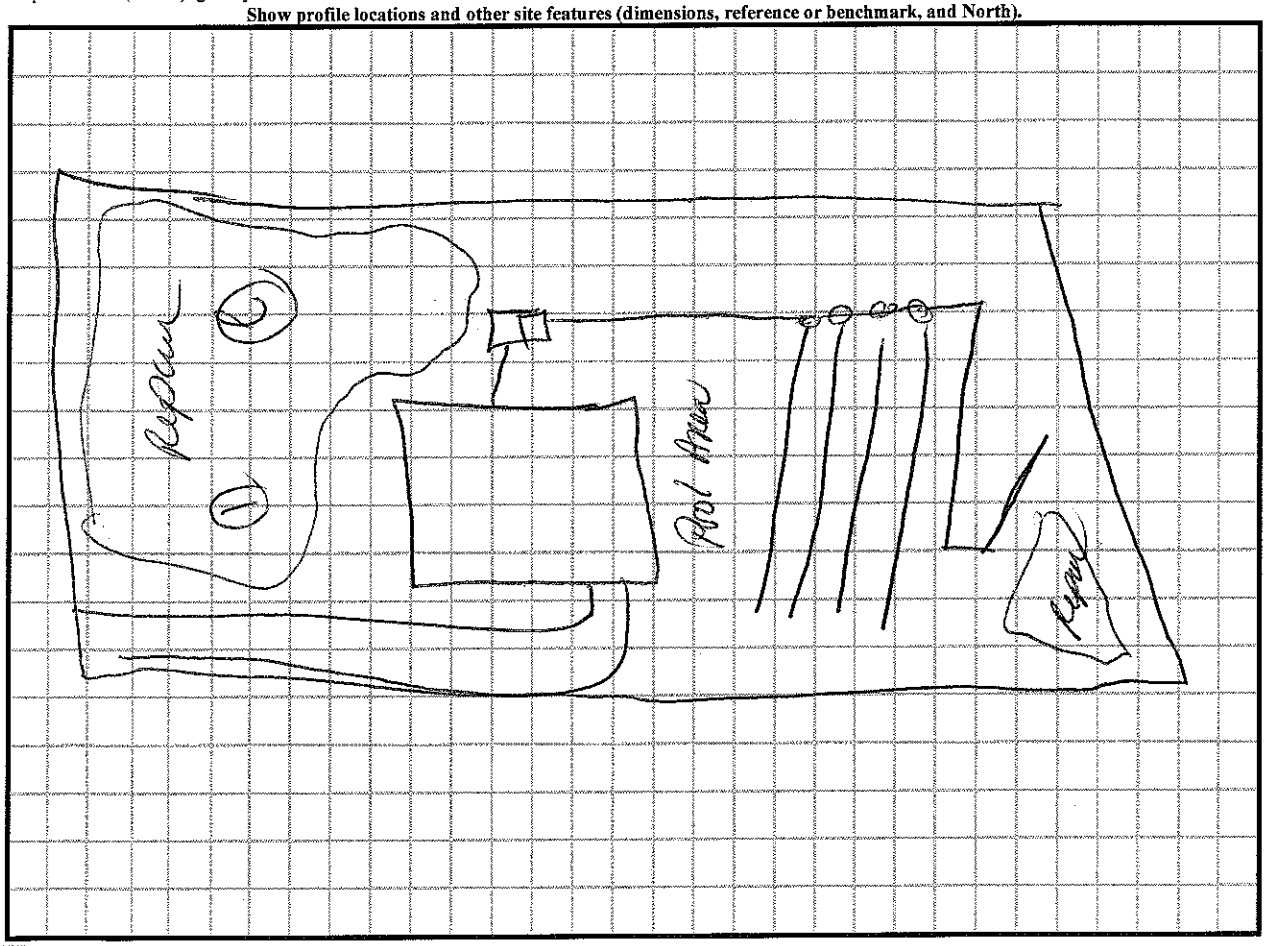
NOTES

HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
CLASSIFICATION	S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft^2

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



DENR (######)

Review (#####)