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

4871-32-3965

Sheet 1 of
PROPERTY ID #:
COUNTY: IREDELL

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: WAYNE HOMES MID-ATLANTIC, LLC
APPLICATION DATE
ADDRESS: 130 VICTORY LN 28625
DATE EVALUATED: 9/30/09
PROPOSED FACILITY: 4 BR
PROPOSED DESIGN FLOW (.1949): 480
PROPERTY SIZE:
LOCATION OF SITE: I-77N TR HWY 901 TL LITTLE WILKESBORO HWY
PROPERTY RECORDED: YES
WATER SUPPLY: ☐ Private ☑ Public ☐ Well ☐ Spring ☐ Other TL RABBIT HWY TL TRANQUILITY ON LT.
EVALUATION METHOD: ☑ Auger Boring ☐ Pit ☐ Cut
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	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	L	0-7	wkgr sl	vfr ns/np sexp	mottling at 36" standing H2O @ 20"				PS .2
		7-48	mo sbk c	fi s/p sexp					
2	L	0-4	wk gr sl	vfr ns/np sexp	—	36	—	—	PS .25
		4-20	mo sbk c	fi s/p sexp					
		20-36	mo sbk c+sap	fr s/p sexp					
		36+	sl ma sap	—					
3	L	0-2	wk gr sl		15"	20	—	—	UN N/A
		2-15	mo sbk c	fi s/p sexp					
		15-20	mo sbk c+sap	fr s/p sexp					
		20+	sl ma sap	—					
4	L	0-4	wk gr sl		—	>48"	—	—	PS .25
		4-24	mo sbk c	fi s/p sexp					
		24-48	mo sbk c+sap	fr s/p sexp					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
System Type(s)		
Site LTAR		

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948):
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.

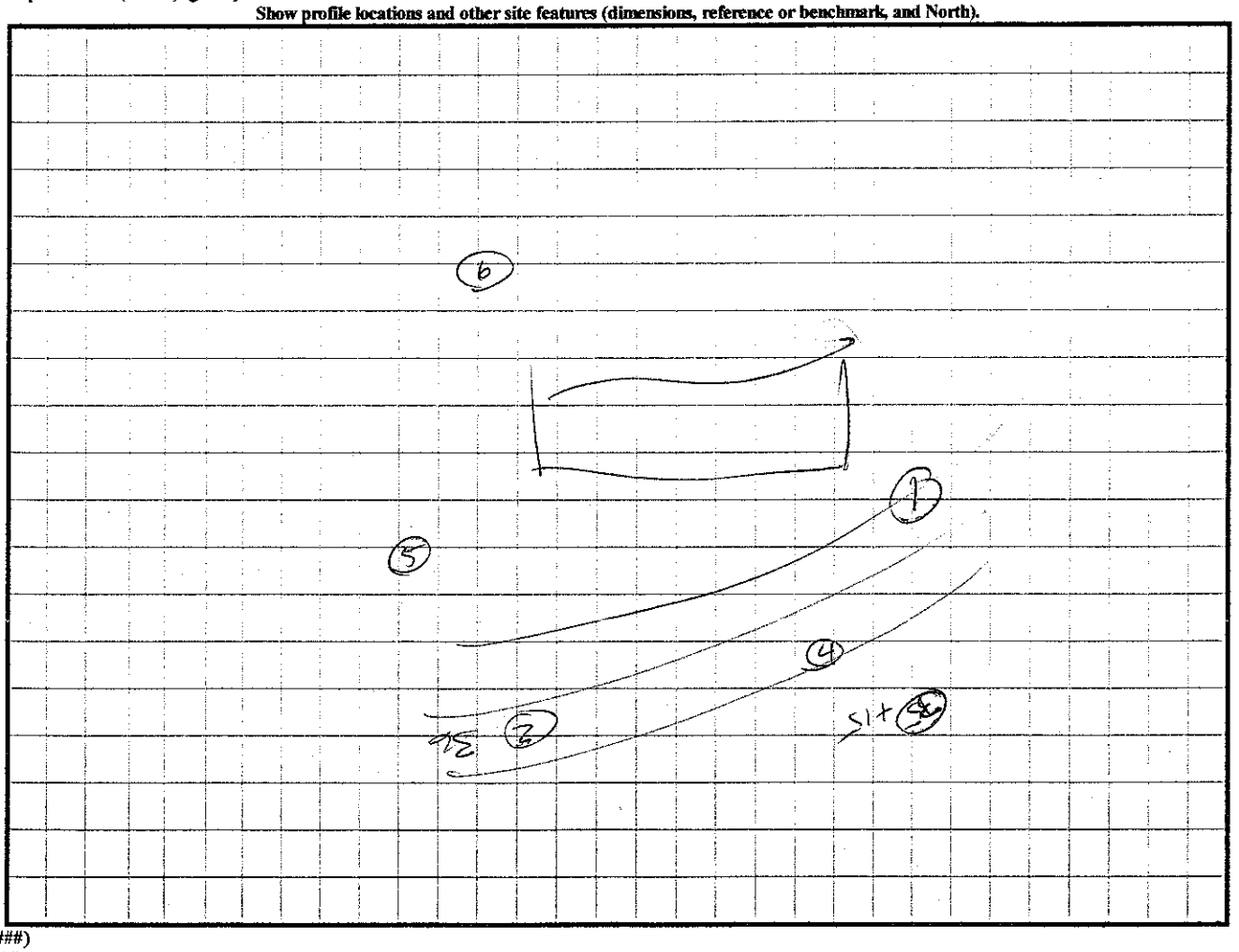
NOTES

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 (#####)

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Sheet 2 of ___
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for ON-SITE WASTEWATER SYSTEM

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ADDRESS: ___ DATE EVALUATED: ___
PROPOSED FACILITY: 4BR PROPOSED DESIGN FLOW (.1949): 480 PROPERTY SIZE: ___
LOCATION OF SITE: HARMONY COUNTRY ESTS #38 PROPERTY RECORDED: ___
WATER SUPPLY: ☐ Private ☑ Public ☐ Well ☐ Spring ☐ Other ___
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1	L	0-6	wk gr sl		—	>48	—	—	PS .25
		6-40	mo sbk c	fi s/p sexp					
		40-48	mo sbk c+sap	fr s/p sexp					
2	L	0-6	wk gr sl		—	>48	—	—	PS .2
		6-30	mo sbk c	fi s/p sexp					
		30-48	mo sbk c+sap	fi s/p sexp					
3									
4									

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	II	SL (Sandy Loam) L (Loam)	0.8 - 0.6	0.4 - 0.3		
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	IV	SC (Sandy Clay) SiC (Silty Clay) C (Clay)	0.4 - 0.1	0.2 - 0.05		
		O (Organic)	None			

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