DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet ___ of ___

PROPERTY ID #: PIN # 4757-98-9378

COUNTY: _____

Permit # 157257 20

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Michael A. Johnson

ADDRESS: 122 Panther Lane, Statesville, NC 28625

APPLICATION DATE _____

DATE EVALUATED: 7-7-09

PROPOSED FACILITY: New 3BR Home PROPOSED DESIGN FLOW (.19): 360 gpd

PROPERTY SIZE: 41.37 ± ACRES

LOCATION OF SITE: Hwy 21 North TR Rebel Lane BR Panther Lane End of Road

PROPERTY RECORDED: _____

WATER SUPPLY: • Private X Public • Well • Spring • Other

EVALUATION METHOD: X Auger Boring • Pit • Cut

TYPE OF WASTEWATER: X Sewage • Industrial Process • Mixed

Replace MH, Build new home

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	Terrace 15%	0-4"	CL WK SAB	FRI SS SP		30"	GRP 2 SL		
		4-28"	SCL WK SAB	FRI SS SP					
		28-30	SL GR	FRI SS SP					
		30-48"	SAP/SL GR	VFRI SS SP					
2	Terrace 15%	0-4"	CL WK SAB	FRI SS SP	2.5 YR	48"			0.3 gal/ft² PS
		4-30"	SCL WK SAB	FRI SS SP					
		30-48	SL WK SAB	VFRI SS SP					
3	Terrace 15%	0-4	CL WK SAB	FRI SS SP	2.5 YR	42"	GRP 2 SL		0.3 gal/ft² PS
		4-30	SCL SAB	FRI SS SP					
		30-42	SL WK SAB	FRI SS SP					
		42-48	SAP/SL GR	VFRI SS SP					
4	Terrace 15%	0-4	CL WK SAB	FRI SS SP	2.5 YR	34"	GRP 2 SL		0.3 gal/ft² PS
		4-34"	SL WK SAB	FRI SS SP					
		30-34	SL WK SAB	FRI SS SP					
		34-48	SAP/SL GR	VFRI SS SP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	YES	YES
System Type(s)	CONVENTIONAL	CONVENTIONAL
Site LTAR	0.3 gal/ft²	0.3 gal/ft²

OTHER FACTORS (.1946): _____

SITE CLASSIFICATION (.1948): _____

EVALUATED BY: Fred Clemmer / David Henson

OTHER(S) PRESENT: Mrs. Johnson

Keep System TB at 24" Maximum

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.

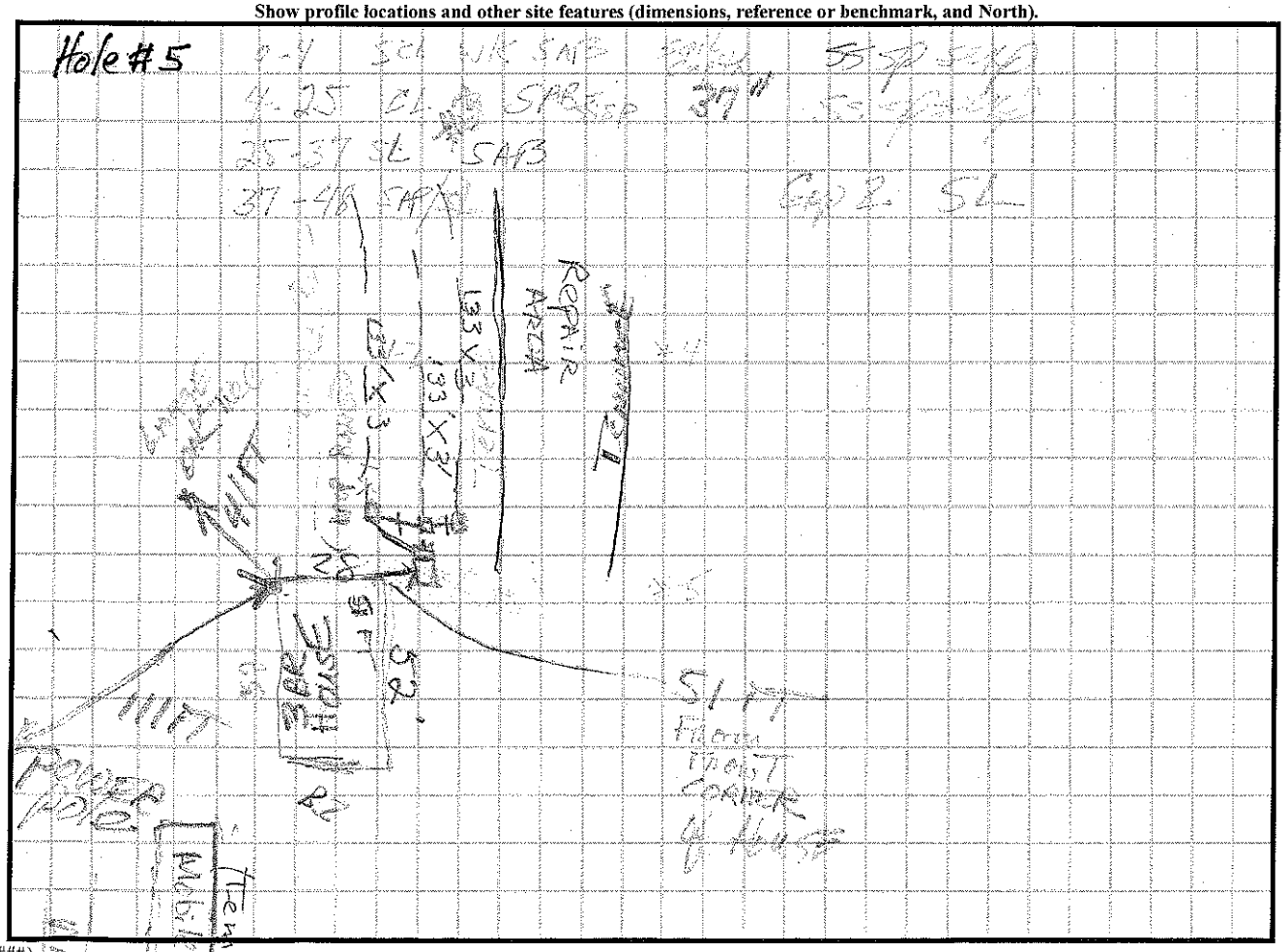
NOTES

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 (#####)