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

159772
4812 37-0098

Sheet 1 of 1
PROPERTY ID #:
COUNTY: Wilkes

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Johnny McDaniels APPLICATION DATE 2-8-10
ADDRESS: Sunnyside Lane DATE EVALUATED: 3-10
PROPOSED FACILITY: Single PROPOSED DESIGN FLOW (.1949): 360 PROPERTY SIZE: .75
LOCATION OF SITE: 115 N to Cockonol to Sunnyside PROPERTY RECORDED: 2010
WATER SUPPLY: ☑ Private ☐ Public ☐ Well ☐ Spring ☐ Other Boundary
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	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	15% L	0-8	CnBL	SSSPSePL				18" limit	
		8-30	C/SAP	SSSPSePL			LS		
		30/	Quartz Vein						
					NA	30"		30"	.25
2	15% L	0-7	CnBL	SSSPSePL				18" limit	
		7-30	C/SAP	SSSPSePL			LS		
		30	Quartz Vein						
					NA	30"		30"	.25
3	15% L	0-8	CnSBL	SSSPSePL				18" limit	Repair
		8-28	CnSBL	SSSPSePL					
		28-56	CLnSBL	SSSPSePL		56"			
					NA	30"	NA	NA	.25
4	15% L	0-9	CnSBL	SSSPSePL				18" limit	Repair
		9-56	CLnSBL	SSSPSePL					
					NA	56"	NA	NA	.25

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	3200/480	
System Type(s)	10" Lg Pipe	
Site LTAR	.25/Reduced Pipe	.25

OTHER FACTORS (.1946): NA
SITE CLASSIFICATION (.1948): RS
EVALUATED BY: Kelly Cook
OTHER(S) PRESENT: Steve Hedrick

COMMENTS:

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTUR
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	SCL (Sandy Clay Loam)	0.6 - 0.3	0.3 - 0.15		PL (Platy)
L (Linear Slope)		SiL (Silt Loam)				PR (Prismatic)
N (Nose Slope)		CL (Clay Loam)				
R (Ridge)		SiCL (Silty Clay Loam)			MOIST	WET
S (Shoulder Slope)		Si (Silt)				
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		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.

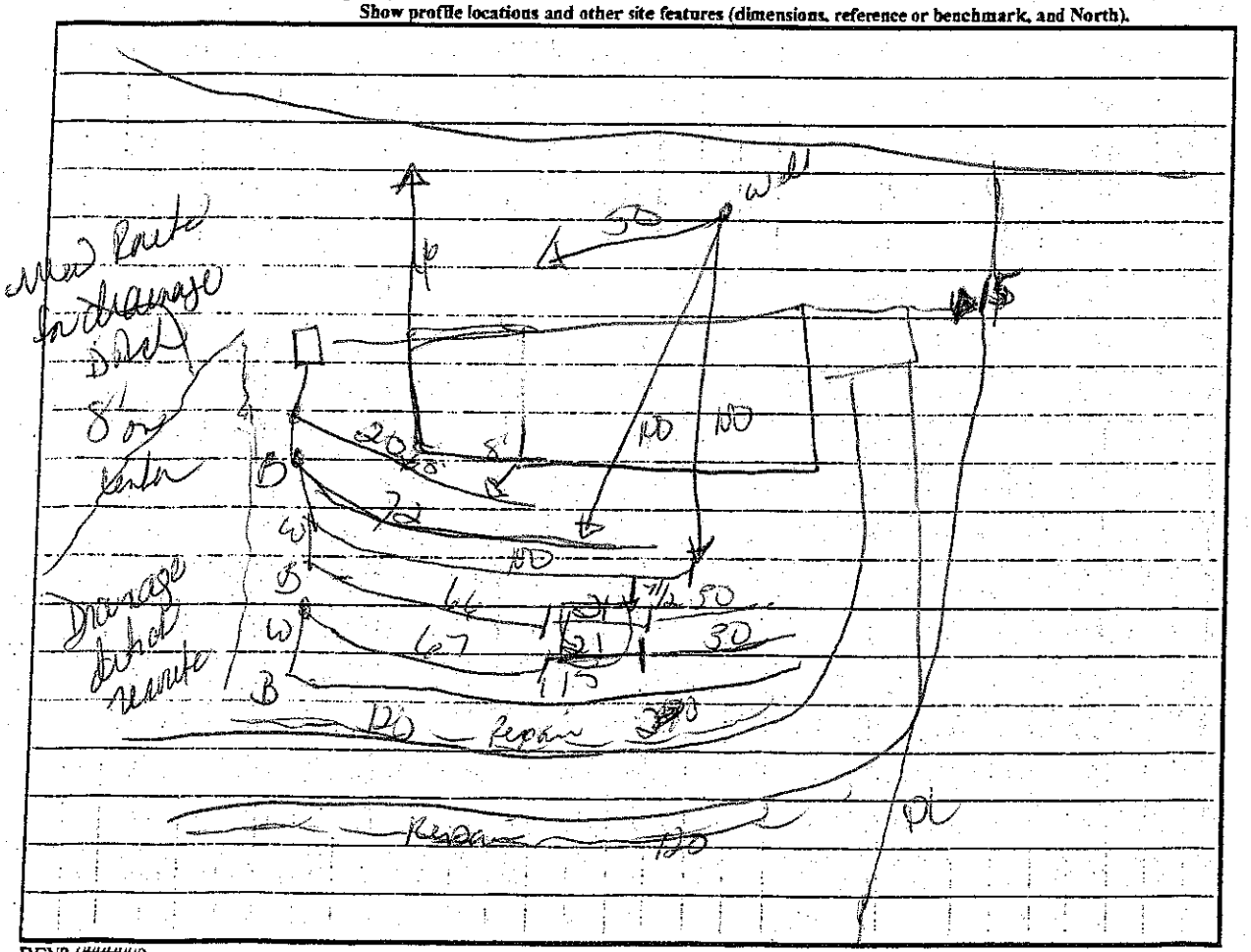
NOTES

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 (######)