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

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

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

OWNER: Gregory Cook / Michael Cox APPLICATION DATE _____
ADDRESS: _____ DATE EVALUATED: 6-2-03
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): 360 gpd PROPERTY SIZE: _____
LOCATION OF SITE: Lot 4 Deercrossing PROPERTY RECORDED: _____
WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☒ Other _____
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut ~~5 borepits~~
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		0-6	wk sbk pbrn scl	fr sss p					LPP or 125 or Shallow trench .25 (18" min TL)
		6-24	wk-m fsbk RC scl	fr sss p					
			vein of yw rock 24-32" scattered throughout lower horizon						
		24-56	wk sbk yRC scl	fr sss p	few mica sp common yw rock		750% soil		
2	SS 4-6%	0-10	wk sbk pbrn scl	fr sss p					.3
		10-20	mf sbk brk RC scl	fr sss p SE sp	few-common yw rock common mica sp				
		20-41 (Bc)	wk sbk yRC cl	fr sss p	few yw rock				
			Dig deeper						
3		0-12	wk sbk pbrn scl	fr sss p					.25 Keep shallow
		12-24/27	wk sbk RC scl	fr sss p					
		24/27-66	wk sbk yRC cl	fr sss p	common mica yw rock		750% soil		
4		0-12	wk sbk pbrn scl	fr sss p	(slightly compacted auger)				.25
		12-30	wk sbk RC scl	fr sp sep					
		30-56	wk sbk yRC cl	fi-fr sss p	common yw rock predominately soil 750%				Keep shallow

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	Conv shallow 25% Red	LPP or LP shallow 25% Red
Site LTAR	.125	.125/.25

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: DR Jones
OTHER(S) PRESENT: _____

COMMENTS: _____

#5 0-7 wk sbk pbrn scl/cl fr sss p
4% 7-26 wk-m fsbk RC scl fr sp sep
26-63 wk sbk yRC cl fr sss p common yw rock pred soil .25

#6 0-7 wk sbk pbrn scl/cl fr sss p
7-22 wk-m fsbk RC fr sp sep
22-55 wk sbk yRC cl fi sss p .3
few mica sp & yw rock

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	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.**

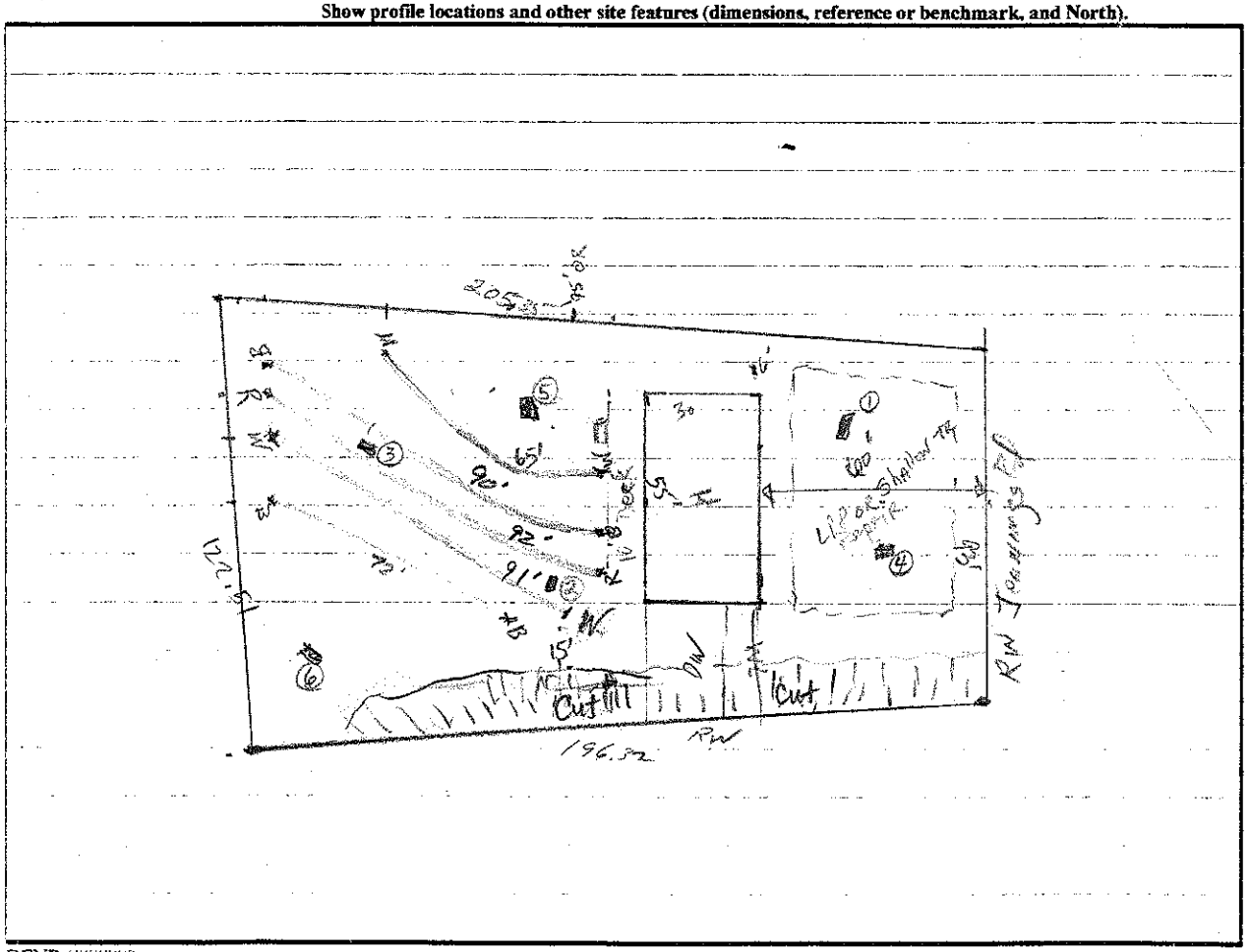
NOTES

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 (#####)