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: Tracy & Sonya McElwee — APPLICATION DATE: _____
ADDRESS: 494 St. Park Rd. — DATE EVALUATED: 8-8-05
PROPOSED FACILITY: Residential — PROPOSED DESIGN FLOW (.1949): 480 — PROPERTY SIZE: 10.11 Ac
LOCATION OF SITE: Perth Rd N TL State Park Rd. — PROPERTY RECORDED: _____
WATER SUPPLY: ☐ Private ☐ Public ☒ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut — TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	12% sideslope	0-8	1sbk sl	fr ss/sp/se		60			PS .3
		8-25	2sbk cl	fr ss/sp se					
		25-39	1sbk cl	fr ss/sp se					
		39-60	cl+sap						
2		0-9	1sbk sl	fr ss/sp se		60			PS .3
		9-36	2sbk/abk c	fr ss/sp se					
		36-42	c+sap	fr ss/sp se					
		42-60	sl sap						
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	yes	yes
System Type(s)	25% red.	25% red
Site LTAR	.3	.3

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Judy Melville
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.

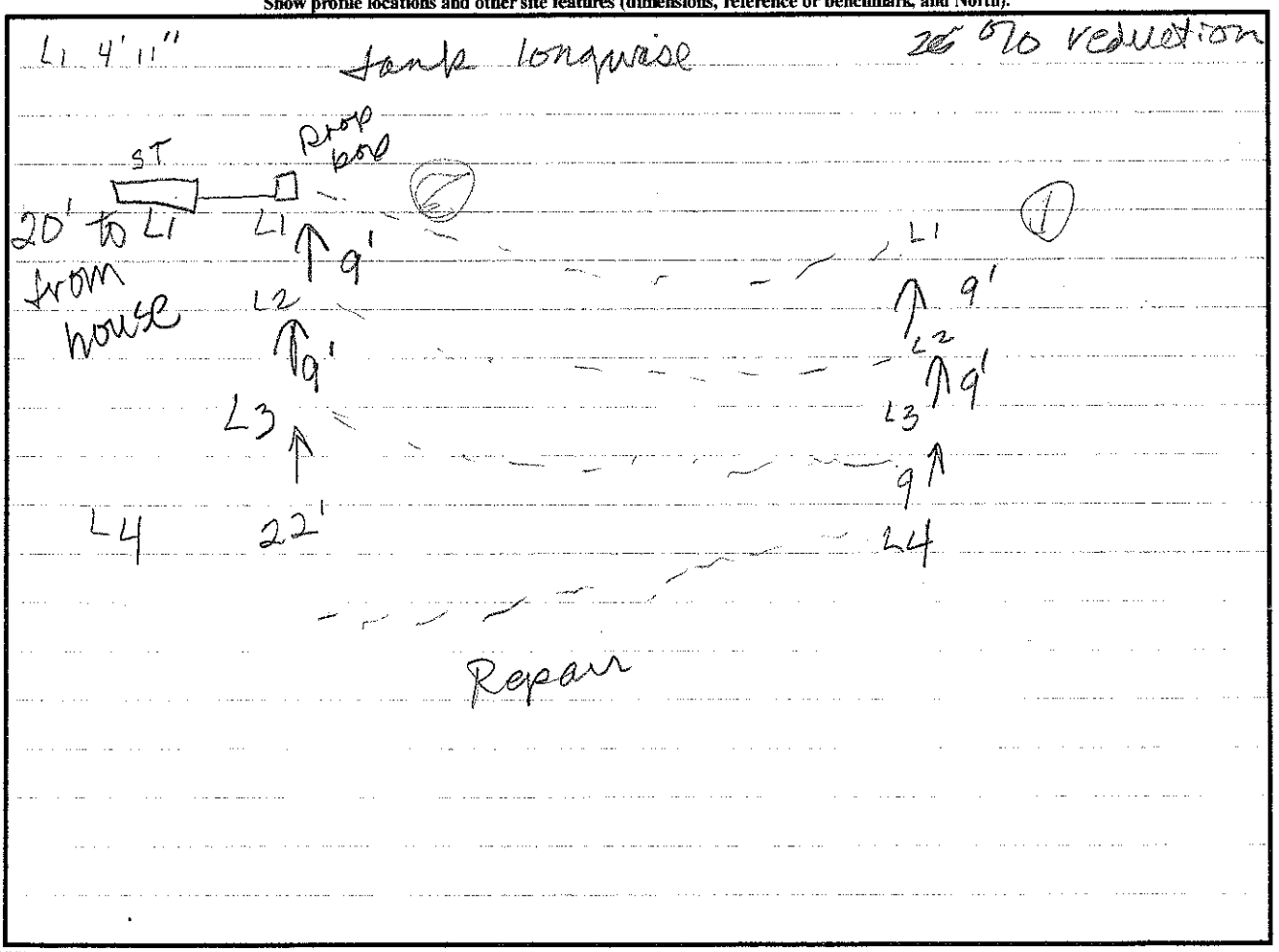
NOTES

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 (######)

TCJ CONSULTING

SITE / SOIL EVALUATION

JOB: Sonja McElwee PHONE: DATE: 6/15/05

LOCATION: PIN: COUNTY: PROPERTY SIZE:

PROPOSED FACILITY: WATER SUPPLY: On-Site Well__ Community__ Public__ EVALUATION: Auger Boring__ Pit__ Cut__

WEATHER: ANTECEDENT MOISTURE: SURFACE WATER:

FACTORS	B1 PROFILE B2		33 PROFILE B4		B5 PROFILE	PROFILE
LANDSCAPE POSITION-%	LSS 10%	LSS 10%	LSS 10%	LSS 10%	LSS 10%	
HORIZON I DEPTH	0-11	0-8	0-10	0-6	0-8	
Color - Munsell	Brn	Brn	Brn	Brn	Brn	
Texture	SI	SI	scl	scl	scl	
Structure	Sg	Gr	fsbk	fsbk	fsbk	
Consistence	MSMPL	MSMPL	SSSPFr	SSSPFr	SSSPFr	
Boundary						
HORIZON II DEPTH	11-22	8-39	10-25	6-27	8-32	
Color - Munsell	Org	Red	Red	R	R	
Texture	scl	C	C-C	C	C	
Mottles		wSap incl	w/Rock incl			
Structure	fsbk	msbk	fsbk	msbk	msbk	
Consistence	SSSPFr	SSPFr	SSSPFr	SSPFr	SSSPFr	
Boundary						
HORIZON III DEPTH	22-44			27-34	32-47	
Color - Munsell	R/org			R	R	
Texture	SC			Cl	Cl	
Mottles				sap incl	well Retd	
Structure	fsbk			fsbk	fsbk	
Consistence	SSPFr			SSSPFr	SSSPFr	
Boundary						
HORIZON IV DEPTH				34-45		
Color - Munsell				Varg		
Texture				SI sap		
Mottles						
Structure				sless		
Consistence				MSMPL		
Boundary						
SOIL WETNESS						
RESTRICTIVE HORIZON						
SAPROLITE						
LPAR	0.3	0.3	0.2	0.3		
CLASSIFICATION	PS-44	PS-39	PS-45	PS-45		

LEGEND

LANDSCAPE POSITION
R - Ridge
S - Shoulder
L - Linear slope
S - Foot slope
N - Nose slope
H - Head slope
Cc - Concave slope
Cv - Convex slope
T - Terrace
F - Flood Plain

TEXTURE
s - sand
ls - loamy sand
sl - sandy loam
l - loam
si - silt
sil - silt loam
sicl - silty clay loam
cl - clay loam
scl - sandy clay loam
sc - sandy clay
sic - silty clay
c - clay

CONSISTENCE
WET
Ns - non-sticky
Ss - slightly sticky
S - sticky
Vs - very sticky

Np - non-plastic
Sp - slightly plastic
P - plastic
Vp - very plastic

MOIST
vfr - very friable
fr - friable
fi - firm
vfi - very firm
efi - extremely firm

STRUCTURE
sg - single grain
m - massive
gr - granular
sbk - subangular blocky
ab - angular blocky
pl - platy
pr - prismatic