DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 1
PROPERTY ID #: 4750-02-8510
COUNTY: Durham

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Community America Credit Union
ADDRESS: 147 Duke Power Circle Trust
PROPOSED FACILITY: 3 BR House
PROPOSED DESIGN FLOW (.1949): 360 gpd
LOCATION OF SITE: Off Rd. TR Duke Power Corp. on left
WATER SUPPLY: • Private • ~~Public~~ • Well • Spring • Other _____
EVALUATION METHOD: • Auger Boring • Pit • Cut

APPLICATION DATE 7-13-11
DATE EVALUATED: 7-27-11
PROPERTY SIZE: 0.56 ac.
PROPERTY RECORDED: _____
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	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	L 8%	0-8	gr/SL	vfr/sap	748	46"	NA	NA	PS 0.3
		8-30	SBK/CL	fr/sap					
		30-46	wSBK/SCL+sap	fr/sap					
		46+	SAP						
2	L 8%	0-10	gr/L	vfr/sap	748	42	NA	NA	PS 0.3
		10-32	SBK/CL	fr/sap					
		32-42	SBK/CL+sap	fr/sap					
		42+	SAP						
3	L 8%	0-7	gr/L	vfr/sap	748	41	NA	NA	PS 0.3
		7-28	SBK/CL	fr/sap					
		28-33	SBK/SCL	fr/sap					
		33-41	wSBK/SCL+sap	fr/sap					
		41+	SAP						
4	L 8%	0-9	gr/L	vfr/sap	748	48	NA	NA	PS 0.3
		9-31	SBK/CL	fr/sap					
		31-48+	SBK/CL+sap	fr/sap					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	TR	TR
Site LTAR	0.3	0.3

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

EVALUATED BY: TCH
OTHER(S) PRESENT: Paul Pennington

COMMENTS:
* Keep trench depth 30" maximum.

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.

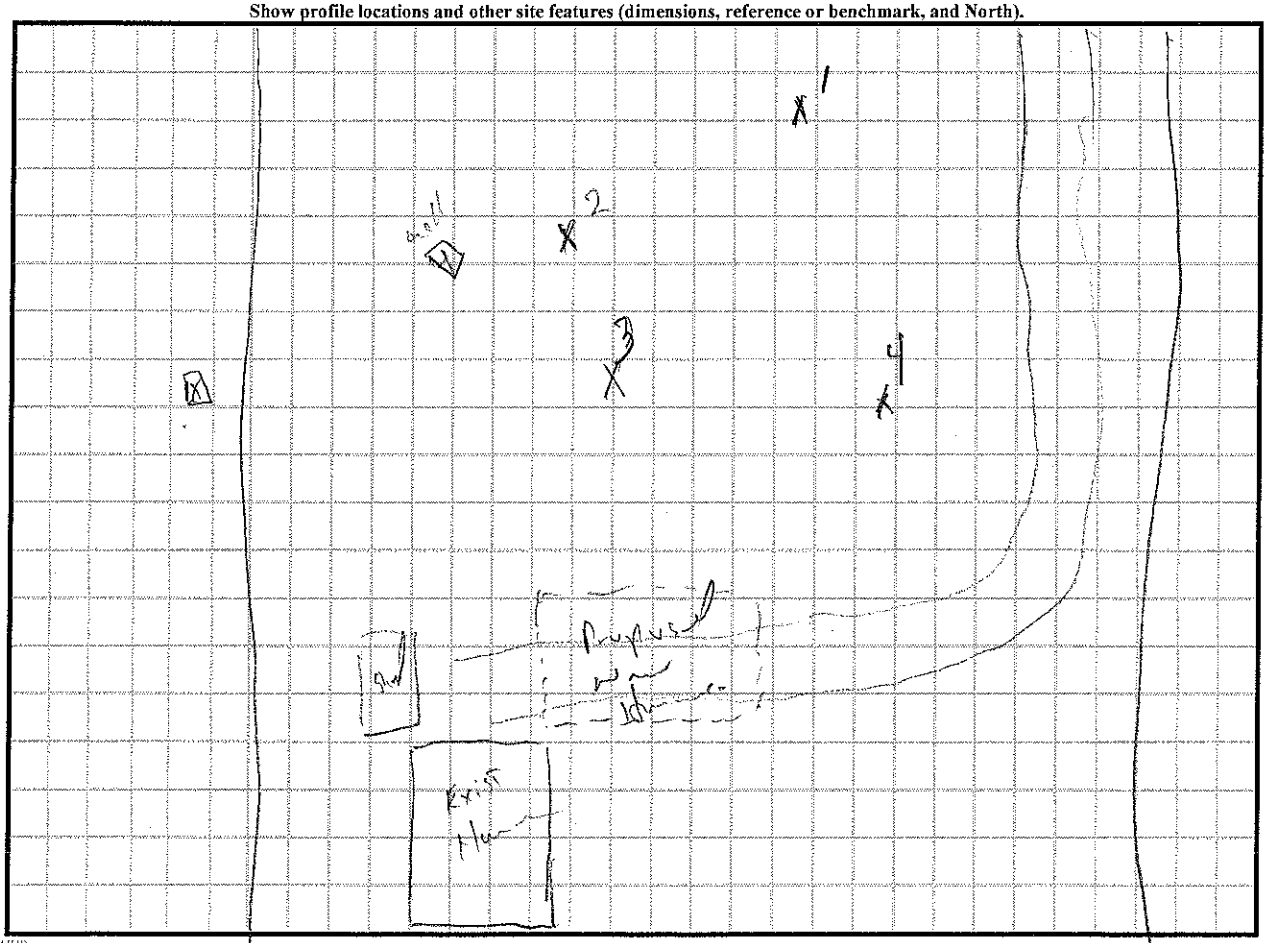
NOTES

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 (#####)