DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet ____ *of* ____
PROPERTY ID #: _____
COUNTY: _____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Jeff Styers
ADDRESS: 185 Cane Mill Rd. Union Grove
PROPOSED FACILITY: SFR
PROPOSED DESIGN FLOW (.1949): 360gpd
LOCATION OF SITE: 185 Cane Mill Road
WATER SUPPLY: • Private • Public • Well • Spring • Other _____
EVALUATION METHOD: • Auger Boring • Pit • Cut

APPLICATION DATE _____
DATE EVALUATED: 4-16-10
PROPERTY SIZE: _____
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	15% L	0-6	gr brn sl	fr ss sp					.25
		6-13	wk sbk red cl	fr ss sp exp					
		13-48	wk sbk red cl	fr s sp	s exp				
2	14% L	0-19	gr brn sl	fr ss sp					.25
		19-32	wk sbk red cl	fr ss sp s exp					
		32-48	m sbk red cl	fr ss sp s exp					
3	15% L	0-6	gr brn sl	fr ss sp					.3
		6-48	wk sbk red sc cl	fr s sp					
4	16% L	0-7	gr brn sl	fr ss so po					.25
		7-36	m sbk red cl	fr ss sp	36"+				

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	S	S
System Type(s)	Conv 25% Red.	Conv 25% Red
Site LTAR	.25	.25

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): B
EVALUATED BY: _____
OTHER(S) PRESENT: _____ T.E. Styers

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)			**MOIST**	**WET**
R (Ridge)		SCL (Sandy Clay Loam)				
S (Shoulder Slope)		SiL (Silt Loam)			VFR (Very Friable)	NS (Non-sticky)
T (Terrace)					FR (Friable)	SS (Slightly Sticky)
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FI (Firm)	S (Sticky)
		SiC (Silty Clay)			VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		C (Clay)			EFI (Extremely Firm)	NP (Non-plastic)
		O (Organic)	None	None		SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

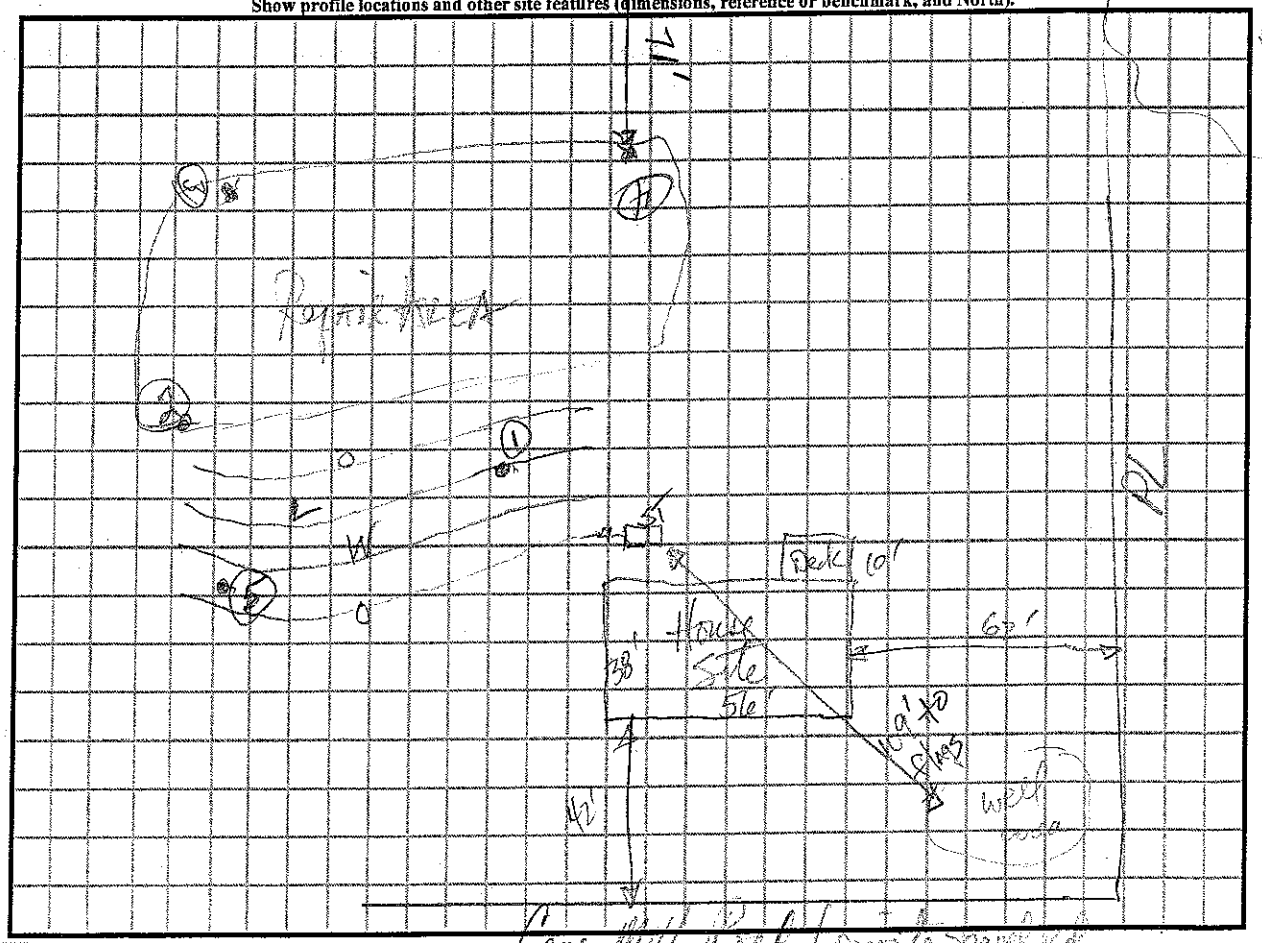
NOTES

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 (#####)

AH #5 18% L
0-12 gr bnd SL fr ss sp
12-25 m/sbk brn sl fr ss sp
25-48 m/f sbk red/c fr ss sp