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

Sheet ___ of ___
PROPERTY ID #: 133951
COUNTY: 4766-72-7222

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Applicant
OWNER: DAVIDSTEEL
ADDRESS: 130 TIMBERLAKE
PROPOSED FACILITY: SFRC HOUSE PROPOSED DESIGN FLOW (.1949): 360
LOCATION OF SITE: 158 GREENBRIAR DR

APPLICATION DATE 2-15-06
DATE EVALUATED: 3-15-06
PROPERTY SIZE: 2.13AC
PROPERTY RECORDED: YES

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) .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	8%/L	0-18"	sl wk gr	fr nsp nps	2.5 Y 3/3 36" + 48"				
		18-36"	red clay c mod sbk	fr sp sts	2.5 Y 6/6 @ 36" - 48"				
		36-48"	lt brn gry clay c mod sbk	fr sp sts	2.5 Y 7/2 40" - 48"				
2		0-18"	sl wk gr	fr nsp nps	2.5 Y 6/3 18"				
		18-20"	c mod sbk	fr sp sts	2.5 Y 7/6 18"				
					2.5 Y 8/2 18" US				
3		0-5"	sl wk gr	fr nsp nps	yellow/light brown f sd 5-28"				US
		5-28"	c mod sbk	fr sp sts	28"+ c 2 3/2 2.5 US				
4		0-6"	sl wk gr	fr nsp nps	10 YR 6/8 @ 22"				US
		6-28"	c mod sbk	fr sp sts	10 YR 5/6 @ 22"				
					2.5 Y 7/2 @ 28"				

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	YES	YES
System Type(s)	Recirculating 60% 25%	Recirculating LPD 50%/200
Site LTAR	.2	.25

OTHER FACTORS (.1946): ___
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: L. COOK
OTHER(S) PRESENT: SHRINKING USTS

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.

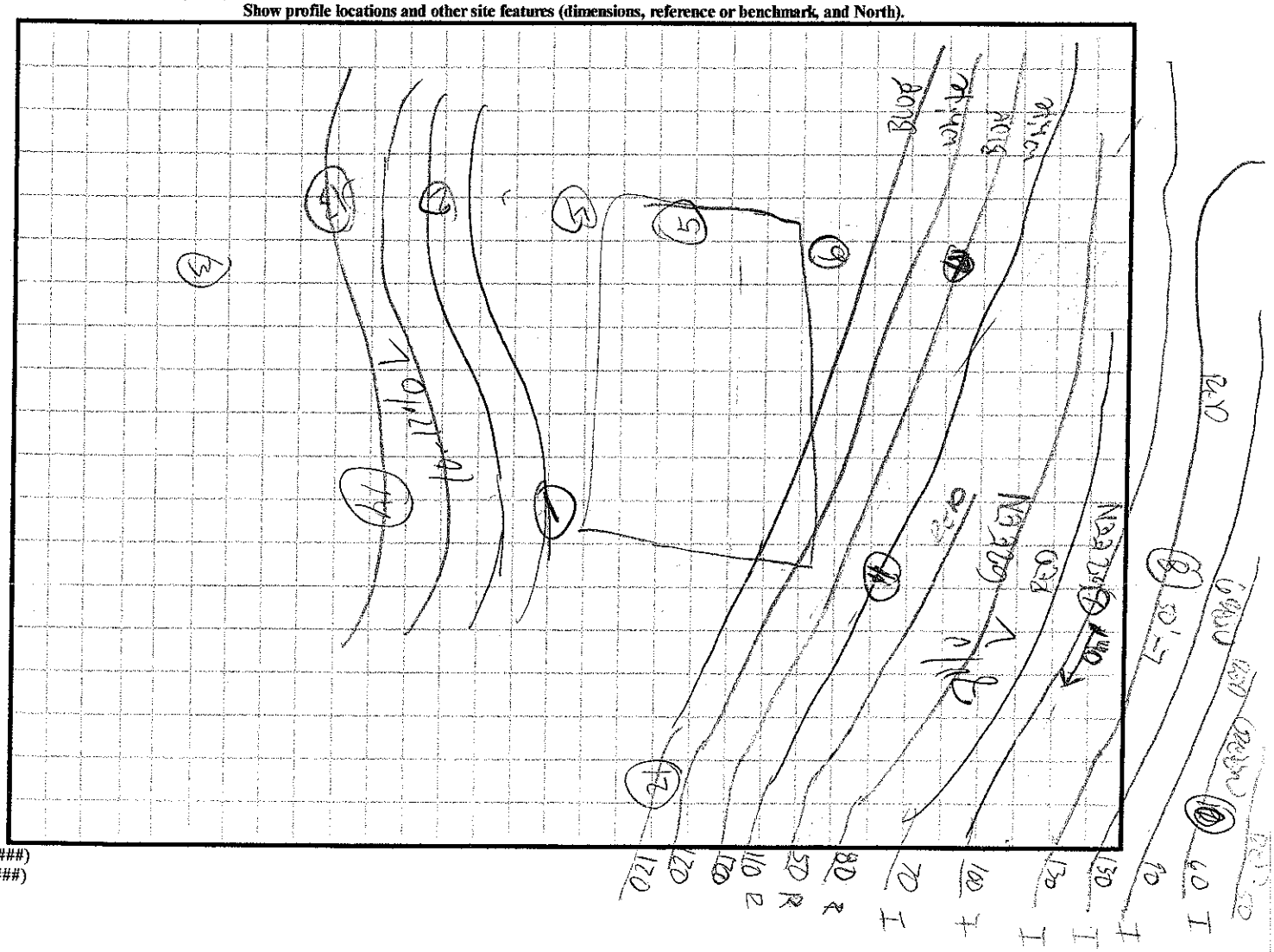
NOTES

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 (#####)

13 0-15 scl wks c fr org mag
15-48' yellow clay mod stbk fr sp carp

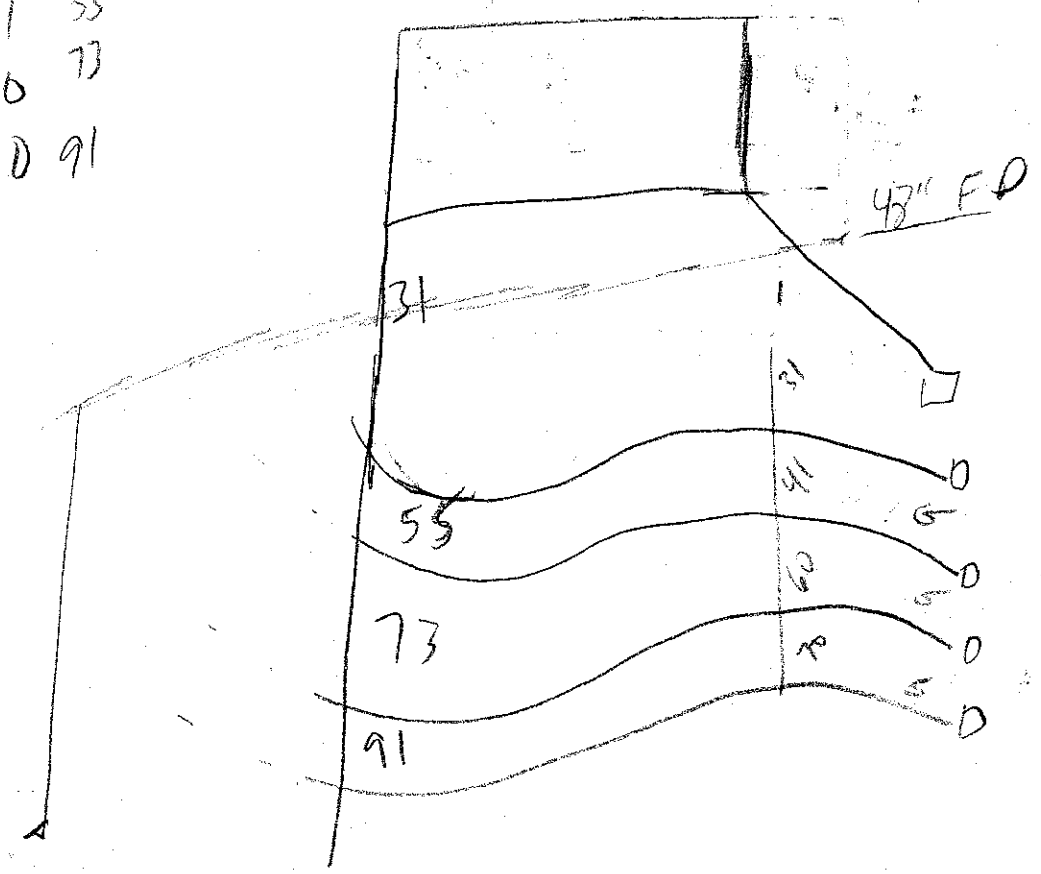
2.5y 8/8 @ 33"
2.5y 8/2 @ 34" ↓
PS 2

14 0-15 scl wk gr fr org mag
5-30 c mod stbk fr ss sp carp
30-40" c wk stbk fr ss sp carp
40-48 c mod stbk fr ss sp carp

PS .25
5y 7/8 @ 34"
2.5 YR 4/8 @ 35"
5y 7/2 @ 40"
PS .25

31 32
41 55
60 73
70 91

SLOPE house up 15'



5 0-6" scl wks gr fr ns sp mxp
6-32 C mod sbk fr ss sp sxp — 18" 2.5 Y 7/8 yellow clay - 32" PS
32" 2.5 Y 8/2 cream z — .2
20" TB

6 0-6 scl
6-18" C mod sbk fr ss sp sxp
18-32" yellow C mod sbk fr ss sp sxp
2.5Y 8/8 @ 12" +>
2.5 Y 7/8 @ 18" +>
2.5 Y 6/8 18" +>
2.5 6/2 32" — PS .2 20" TB

7 0-6 scl
6-24 C mod sbk
24-30 C mod sbk
10" - 6/4 @ 24" — PS
2.5 Y 7/3 C 27" — .2
2.5 Y 7/2 C @ 30" — 18" TB

8 0-12 C FILL
12-15 scl wks gr fr ns sp sxp
15-48" C mod sbk fr ss sp sxp
48-60" C mod sbk fr ss sp sxp
2.5 Y 6/6 @ 48" — PS
2.5 7/6 @ 58-60" — .25

9 0-10" C FILL
12-15" scl wks gr fr ns sp sxp
15-36" C mod sbk fr ss sp sxp
36-60" C mod sbk fr ss sp sxp
2.5 Y 6/6 @ 32"
2.5 Y 6/4 @ 44"
5 Y 7/3 @ 44" — PS .25
5 Y 7/2 @ 54"

10 0-12 C FILL/SCL
12-32" scl wks gr fr ns sp sxp
32-48" C mod sbk fr ss sp sxp
48-60" C mod sbk fr ss sp sxp
2.5 Y 6/6 @ 48"
2.5 Y 7/8 @ 56" — BLK MANGANESE STAINS 48"-60" — PS .25
2.5 Y 8/2 58"

11 0-6 scl wks gr fr ns sp sxp
6-24" C mod sbk fr ss sp sxp
24-48" C mod sbk fr ss sp sxp
2.5 Y 6/6 @ 24"
2.5 Y 7/8 @ 36" — .25
2.5 Y 7/2 @ 40"
38" TB

12 0-6 scl wks gr fr ns sp sxp
6-24 C mod sbk fr ss sp sxp
24-48" C mod sbk fr ss sp sxp
2.5 7/4 @ 30" +>
2.5 7/8 @ 36" +>
BLK MANGANESE STAINS 36-48" — PS .25