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: Joe Hyde - BuiltRite Cons. APPLICATION DATE 4-20-06
ADDRESS: _____ DATE EVALUATED: 5-16 & 17/06
PROPOSED FACILITY: 3 BR SFD PROPOSED DESIGN FLOW (.1949): 360 GPD PROPERTY SIZE: 0.767 Ac.
LOCATION OF SITE: LOT #20 DOVE MEADOWS 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) .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
AUGER 1	L ~5%	0-17	w, M, sbk, C	Fr-Fi, SS, SP	N/A	30"	see pit eval.	N/A	US (see pit evaluation)
		17-30	sbk, C w/ SAP Inclusions	(<50% SAP)					
		30+	SAP & C MIX	(≥50% SAP)					
AUGER 2	L ~6%	0-17	w, M, sbk, C	Fi, SS, SP	N/A	27"	see pit eval.	N/A	US (see pit evaluation)
		17-27	sbk, C w/ SAP Inclus.	(<50% SAP)					
		27-37	SAP & C MIX	(≥50% SAP)					
PIT 3	L ~5%	0-14	w, m, sbk, C	Fr, SS, SP	N/A	25"	LS	N/A	PS 0.30
		14-25	C w/ SAP Inclus.	(<50% SAP)					
		25-48	SAP & C Mix	(≥50% SAP)					
PIT 4	L ~6%	0-22	w, M, sbk, C	Fr, SS, SP	N/A	34"	LS-SL	N/A	PS 0.30
		22-34	C w/ SAP Inclus.	(<50% SAP)					
		34-48	SAP & C Mix	(≥50% SAP)					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	900 FT²	600 FT²
System Type(s)	Pump - 25% Reduc.	Low Pressure 50% Reduc.
Site LTAR	0.30	0.30

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

COMMENTS: _____
* SMOOTH OFF EXISTING FIELD TERRACE TO PREVENT WATER PONDING.

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.

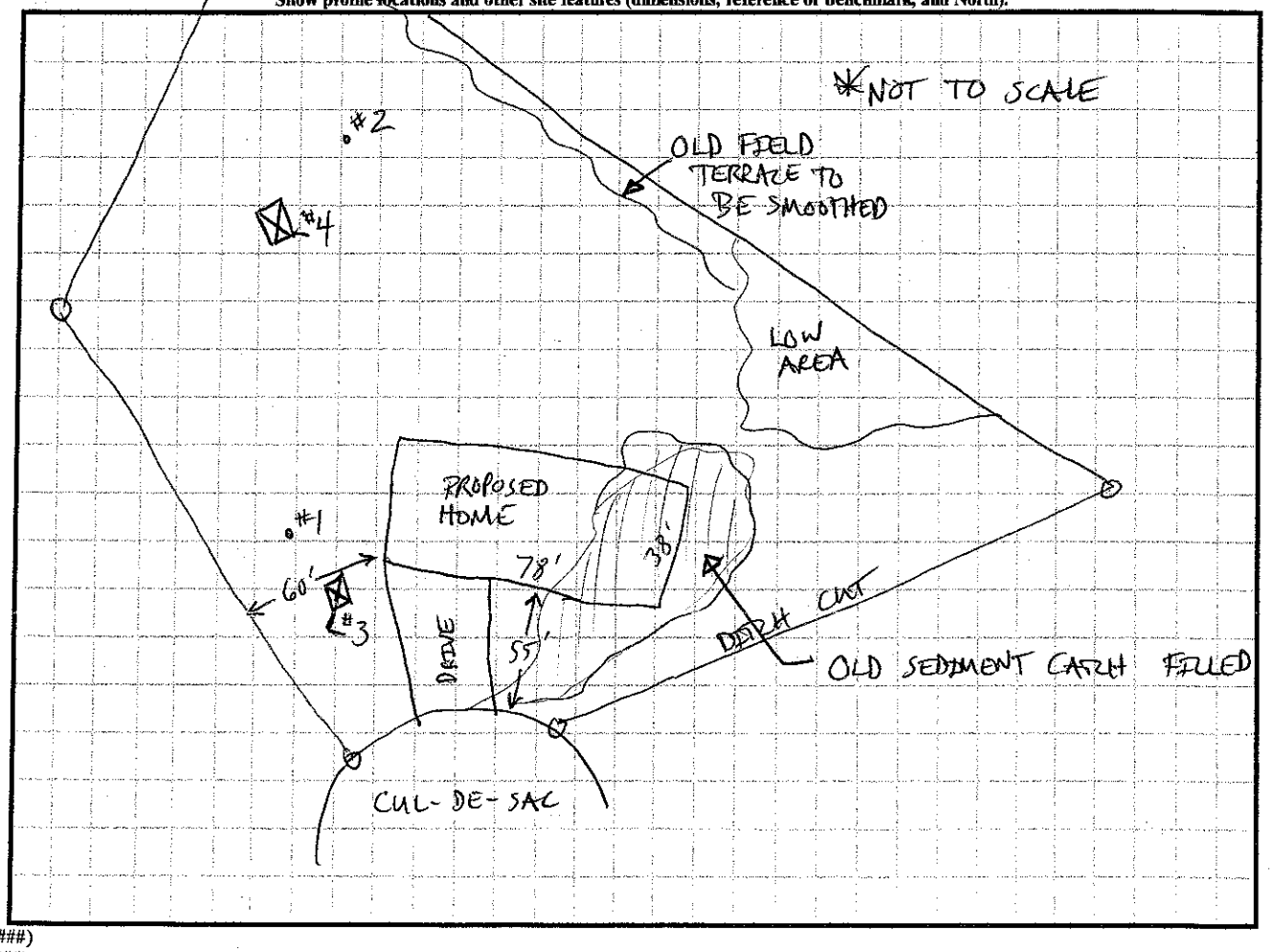
NOTES

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 (#####)

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OWNER: _____ APPLICANT: _____
ADDRESS: _____ APPLICATION DATE: _____ DATE EVALUATED: _____
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
LOCATION OF SITE: Lot 80 Dove Meadows PROPERTY RECORDED: _____
WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

AH1 0-15 BSCL VR fr SSSP 15-47 RCL/LMSCL fr SSSP (3)
AH2 0-10 BSCL 10-45 CL w/ rock fr SSSP (3)

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1		0-10	BSCL VR	fr SSSP					.15 LAP
		10-24	RCL w/ SSS	fr SSSP					
		24-40	w/ Rock						
2		0-8	BSCL VR	fr SSSP					.15 LAP
		8-26	RCL w/ SSS	fr SSSP					
		26+	Rock						
3		0-14	BSCL VR	fr SSSP					.05 .3 to 36"
		14-36	RCL w/ SSS	fr SSSP					
		36-46	Rock						
4		0-8	BSCL VR	fr SSSP					.05 .3 to 50"
		8-23	RC SSH	fr SP					
		23-50	RCL w/ SSS	fr SSSP — common SAP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
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Site LTAR		

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