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

Sheet 1 of 2
PROPERTY ID #: 4722-39-8367
COUNTY: IREDELL

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: CHRIS DAVIDSON CONTRACTING
ADDRESS: P.O. BOX 5602, STVL 28687
PROPOSED FACILITY: 3BRH w/cs
PROPOSED DESIGN FLOW (.1949): 360
LOCATION OF SITE: KYLEWOOD #25
WATER SUPPLY: ☒ Private ☐ Public ☒ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

APPLICATION DATE 7.21.04
DATE EVALUATED: 2.28.05
PROPERTY SIZE: 0.706 Ac
PROPERTY RECORDED:

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 6%	0-6	W SBK MIXED 0&C	FR SS/P SCAP			NEED PIT		PS ? w/BH 0.3
		6-26	WABK C	FI SS/P SCAP					
		26-48	WSBK SAPROLITE L	FR SS/SP SCAP					
2	L 6%	0-3	W SBK MIXED 0&C	FR SS/P SCAP			NEED PITS		PS ? w/BH 0.25
		3-32	WABK C	FI SS/P SCAP					
		32-48	WSBK SAPROLITE SiL	FR SS/SP SCAP					
3	L 6%	0-4	WSBK MIXED 0&C	FR SS/P SCAP			NEED PITS		? PS/WBH 0.3
		4-30	WABK C	FI SS/P SCAP					
		30-48	WSBK SAPROLITE L	FR SS/SP SCAP					
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	III	
Site LTAR	0.25	0.25

OTHER FACTORS (.1946): NONE
SITE CLASSIFICATION (.1948): PS W/PITS - SAP.
EVALUATED BY: S HODICK
OTHER(S) PRESENT: CHRIS DAVIDSON

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.

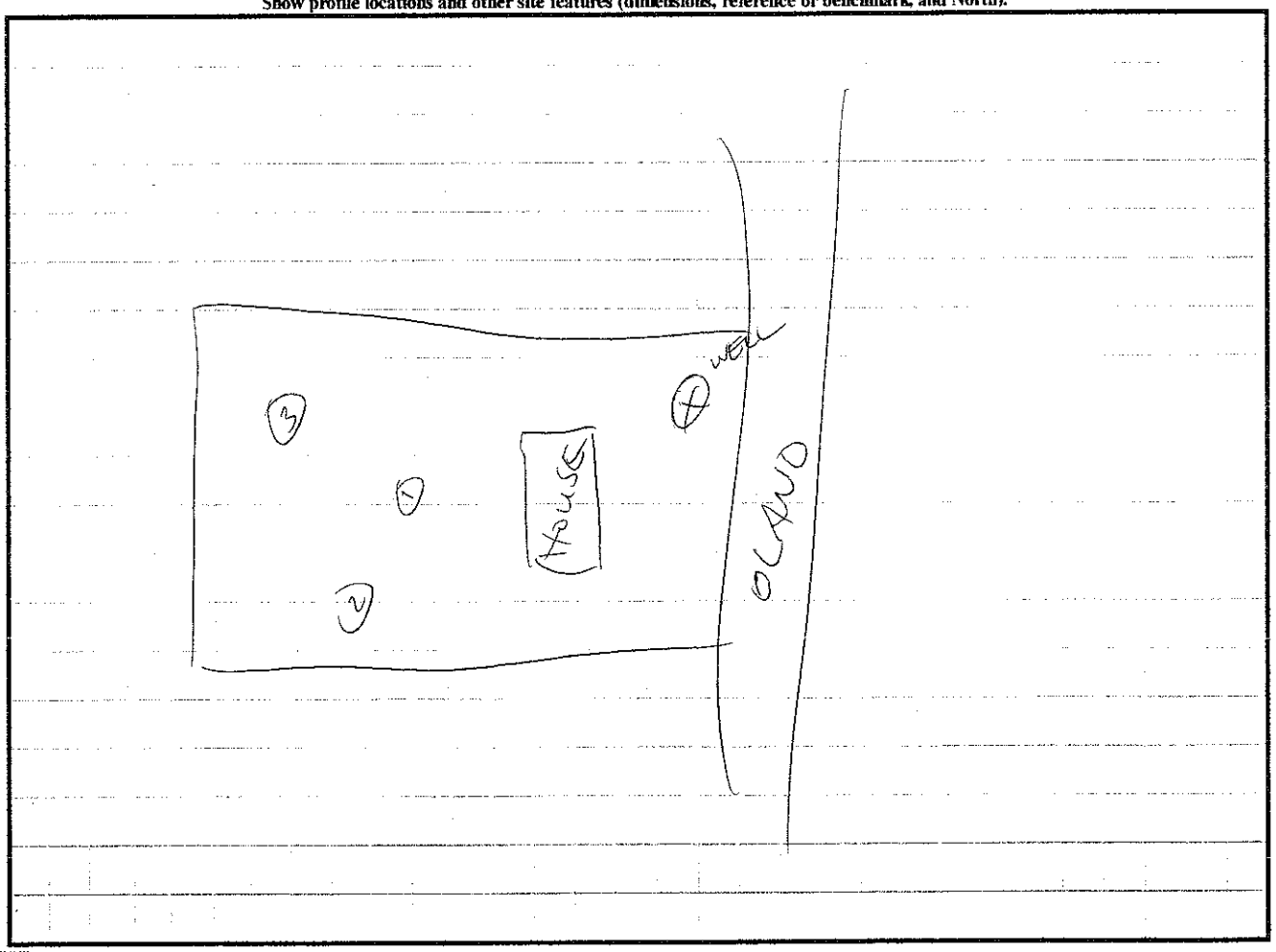
NOTES

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 (#####)

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

PROPERTY ID #: 4722-39-8567
COUNTY: IREDELL

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: CHRIS DAVIDSON CONTRACTING
ADDRESS: P.O. BOX 5602, STVL 28687
PROPOSED FACILITY: 3BR+W/CS
PROPOSED DESIGN FLOW (.1949): 360
LOCATION OF SITE: KYLEWOOD #25
APPLICATION DATE: 7-21-04
DATE EVALUATED: 3-1-05
PROPERTY SIZE: 0.706 AC
PROPERTY RECORDED:

WATER SUPPLY: ☒ Private ☐ Public ☒ Well ☐ Spring ☐ Other
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PIT 1	L 6%	0-5	MIXED WSBK O+C	FR SS/SP SSAP	REDOX AT 51+				PS 0.25
		5-24	WABK	FI SS/SP SSAP					
		24-60	SAPROLITE WSBK L	FR SS/SP SSAP					
PIT 2	L 6%	0-3	MIXED WSBK O+C	FR SS/SP SSAP	REDOX AT 54				PS ~~0.25~~ 0.3
		3-32	WABK C	FR SS/SP SSAP					
		32-60	SAPROLITE WSBK SiL	FR SS/SP SSAP					
3									
4									

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Available Space (.1945)	PS	PS
System Type(s)	III	IV
Site LTAR	0.25	0.25

OTHER FACTORS (.1946): NONE
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: S. HENDRICK
OTHER(S) PRESENT: CHRIS DAVIDSON & BACKHOE OP.

COMMENTS:

LEGEND

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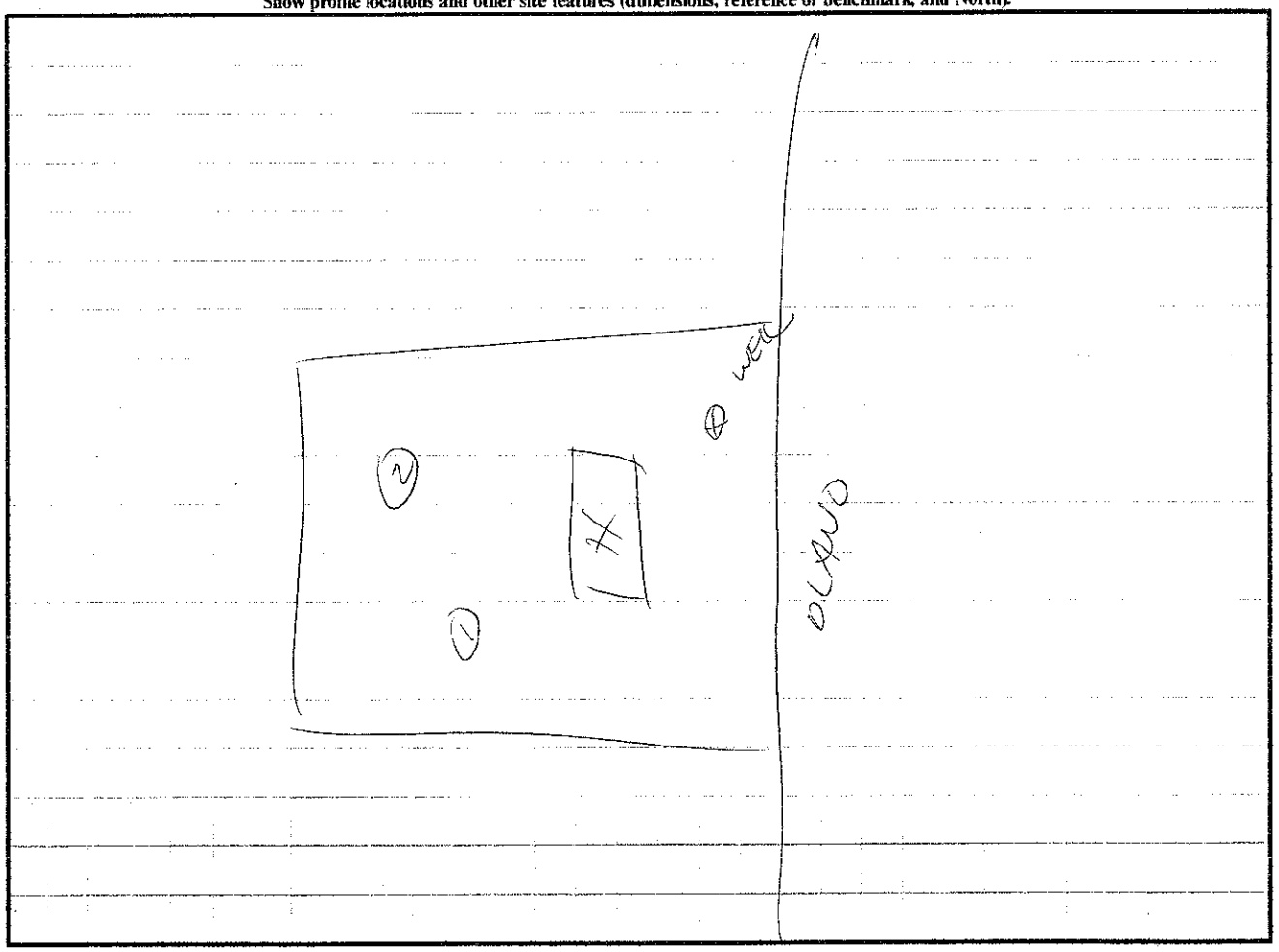
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