DEPARTMENT OF ENVIRONMENTAL HEALTH
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

PROPERTY ID #: _____
COUNTY: _____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: _____ APPLICANT: Melissa Klessen
ADDRESS: _____ APPLICATION DATE: _____ DATE EVALUATED: 4-28-03
PROPOSED FACILITY: 3 BR HOME PROPOSED DESIGN FLOW (.1949): 360 GPD PROPERTY SIZE: _____
LOCATION OF SITE: Wintergreen Cr. 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	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFIL. CLASS & LTAR
1	L/H ~7%	0-14	sbk, SC	Fr, SS, SP	Yellow Motels @ ~22"+ SAP INCLUSIONS (≤50% SAP)				PS 0.25
		14-22	sbk, SiC	Fr, VS, SP					
		22-48	sbk, C	Fr, VS, VP, SeSP					
2	L 6%	0-12	sbk, SiC	Fr, S, SP	Yellow Motels ~17"+ Chroma 2 Motels ~30" *SOME SAP INCLUSIONS				PS 0.25
		12-30	sbk, SC	Fr, S, P					
		30-48	sbk, C	VS, P, SeSP					
3	L	0-15	sbk, SiC	Fr, VS, SP	Yellow Motels 16"+ Chroma 2 Motels *SOME SAP INCLUSIONS				PS 0.30
		15-33	sbk, SC	Fr, S, SP					
		33-48	sbk, C	Fr, S, P, SeSP					
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	EQ to 1,440	SAME
System Type(s)	~~III~~	~~IV~~
Site LTAR	0.25	0.25

OTHER FACTORS (.1946): *NEED FRENCH DRAIN
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: R Mitchell
OTHER(S) PRESENT: _____

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)		SLC (Silt Loam Clay)				
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)
					VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		O (Organic)	None		EFI (Extremely Firm)	NP (Non-plastic)
						SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

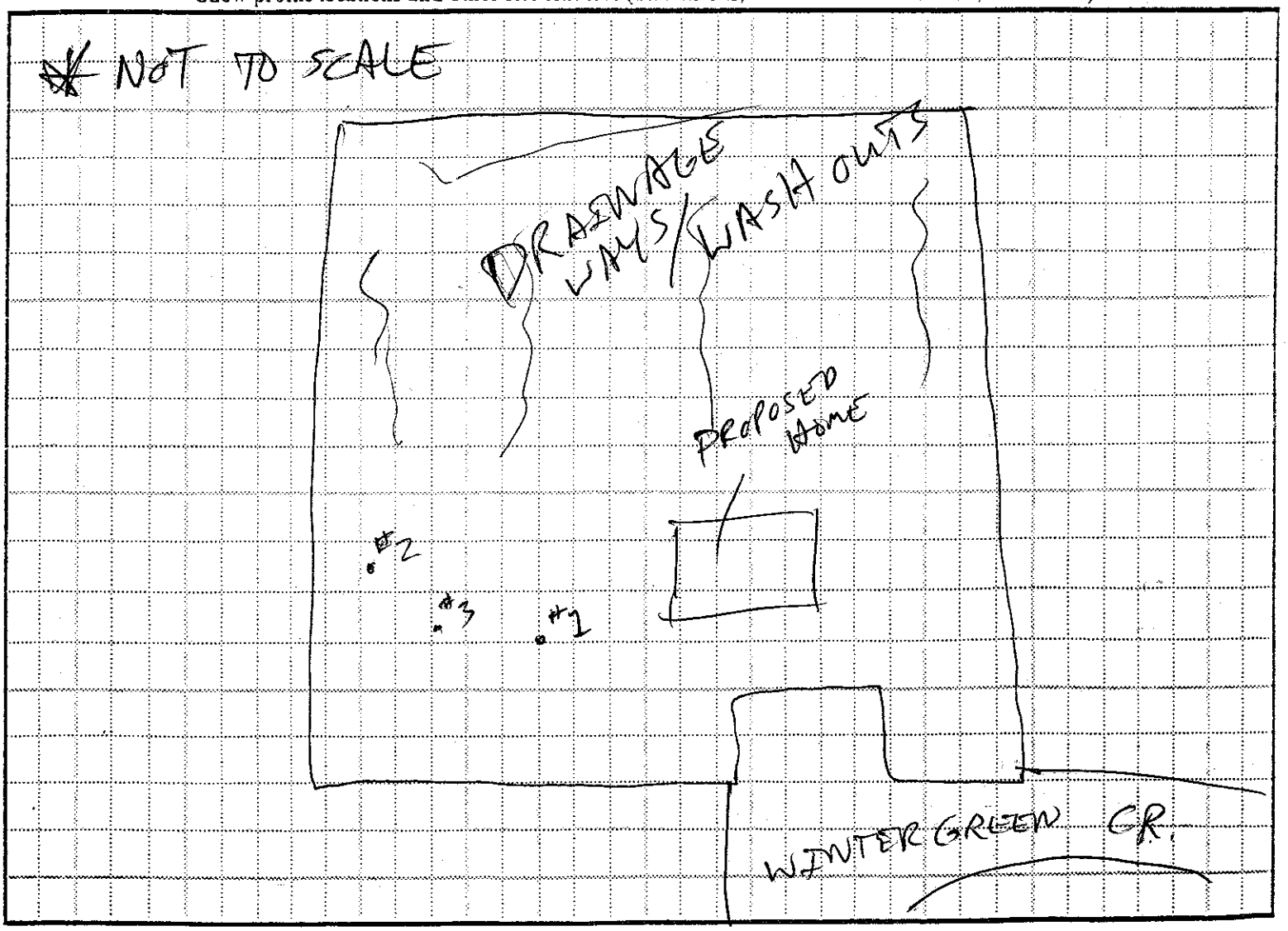
NOTES

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/ft²

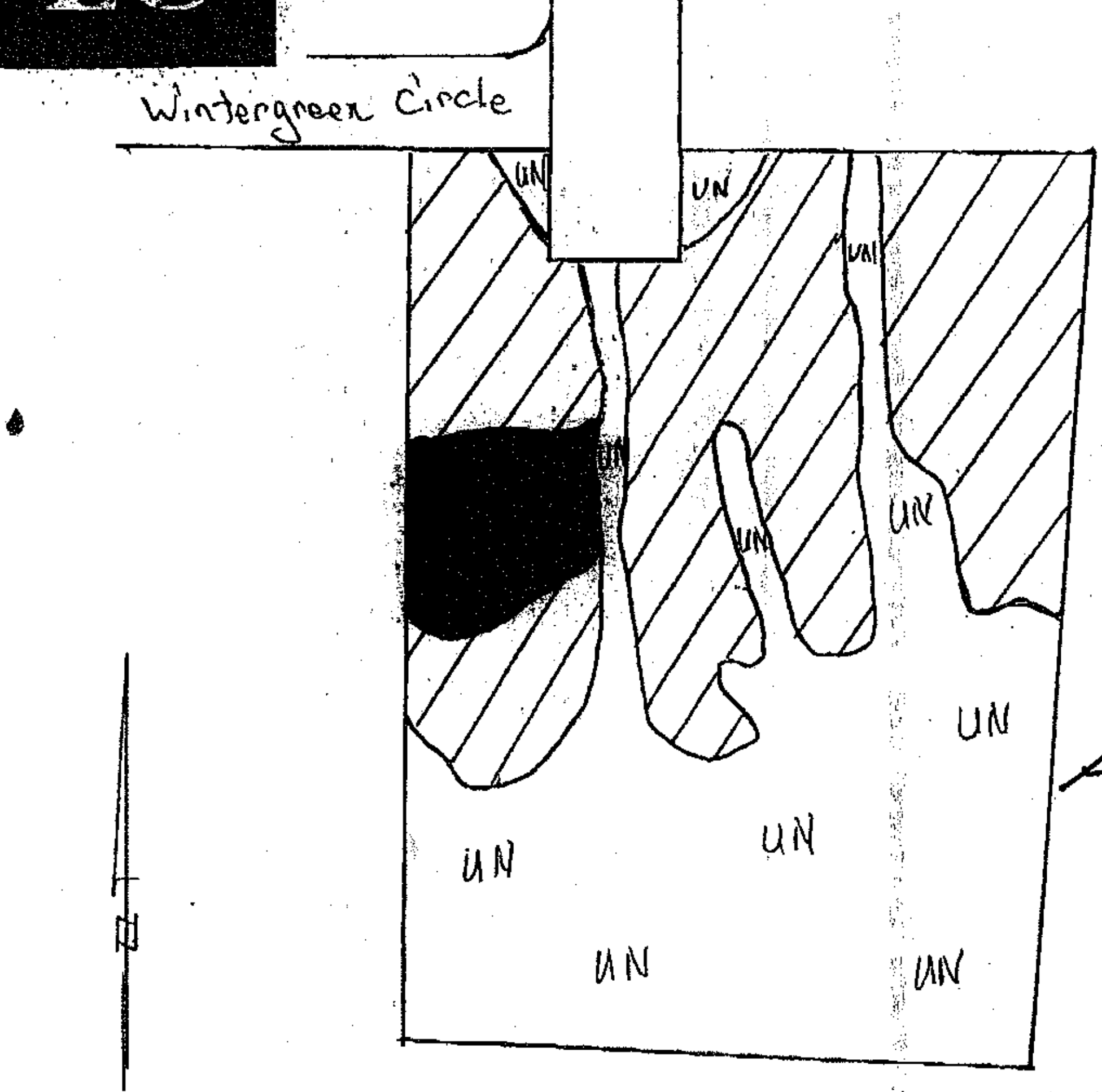
Show profile locations and other site features (dimensions, reference or benchmark, and North).



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LICENSED SOIL SCIENTIST
Samuel A. Rollans
1231
STATE OF NORTH CAROLINA
1/28/03

GRAPHIC SCALE
1" = 100'

100 0 100 200

LEGEND

(hatched)	Areas contain soils with 24 inches or more of useable material and have potential for modified conventional and/or "at-grade" conventional septic systems.
(solid)	Areas contain soils with 18 – 24 inches of useable material and have potential for low pressure pipe systems or subsurface drip irrigation systems.
UN	Unsuitable areas.

**SUITABLE FOR PRELIMINARY PLANNING PURPOSES ONLY. ALL LOTS WILL REQUIRE APPROVAL BY THE COUNTY HEALTH DEPARTMENT ON A LOT BY LOT BASIS. THIS MAP SHOULD BY USED AS A GENERAL GUIDE. SOME ADJUSTMENTS WILL BE NECESSARY IN THE FIELD DUE TO SOIL VARIABILITY AND TOPOGRAPHIC IRREGULARITIES.
THIS MAP ONLY REFLECTS EXISTING SOIL SUITABILITY FOR ON-SITE SEPTIC TANK SYSTEMS. SOME OTHER CONSIDERATIONS THAT AFFECT SITE SUITABILITY THAT SHOULD BE CONSIDERED IN DEVELOPMENT DESIGN ARE:

1) 10' SETBACK FROM PROPERTY LINE
2) 100' SETBACK FROM ANY WELL
3) 50' SETBACK FROM STREAMS, PONDS OR LAKES.

See accompanying S&EC report.

SHEET 1 of 1 | SHEET TITLE: PRELIMINARY SOILS EVALUATION | PROJECT NAME: - WINTERGREEN COURT LOTS 10 - | Soil & Environmental Consultants, PA | SCALE 1" = 100'

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