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

PAGE 1

Sheet ___ of
PROPERTY ID #: 117261
COUNTY: 4713-82-9203

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: DAVID C PHILLIPS 3867 APPLICANT: SAME
ADDRESS: 132 SUREALOWAY RD STATESVILLE APPLICATION DATE: 11-21-05 DATE EVALUATED: 1-7-06
PROPOSED FACILITY: 4 BR HOUSE PROPOSED DESIGN FLOW (.1949): 480 PROPERTY SIZE: 2.206
LOCATION OF SITE: 6MI, LOOKER OF OM2 & PLEASANT DR PROPERTY RECORDED: YES
WATER SUPPLY: ☐ Private ☐ Public ☒ Well ☐ Spring ☐ Other ____
EVALUATION METHOD: ☒ Auger Boring (1 HOLE) ☒ 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	SEE BACK	0-10"	scl wk gr	f ns np ex p	10-24" yellow red mix H2O MOTT				US
		10-24"	lighter red c med abk/sbk	f i s p sexp	nothing > 5% @ 10"				
		24-33"	red c med abk	f i s p sexp	10yr 6/6 @ 14"				LATERAL H2O
		33-60"	c med abk	f i s p sexp	10yr 7/4 @ 18"				
					Cromaz @ 20"				
					2.5yr 7/6 BETWEEN 33" & 35"				
2		0-6"	scl wk gr	f ns np ex p	10-24" yellow/red mix				US
		6-10"	cl wk abk	f ss sp sexp	10yr 7/6 @ 15"				
		10-24"	c med abk	f i s p sexp	10yr 7/2 @ 25"				LATERAL H2O
		24-60"			10yr 7/6 @ 40" - 48"				
3		0-6	scl wk gr	f ns np ex p	10yr 7/6 @ 8"				US
		6-24	c med abk	f i s p sexp	10yr 7/2 @ 16"				
		24-60"	red clay, med, abk	f i s p sexp	manganese stains 24-48"				PS .25
4		0-12"	scl wk gr	f ss sp sexp					
		12-48"	c med abk/sbk	f i s p sexp					
			12-30" heavy clay few saprock						
			30-48" less heavy clay sap incl						
			sap < 50%	well under 50'					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	YES	YES
System Type(s)	60% 25% RED	20% RED
Site LTAR	.25	.25

OTHER FACTORS (.1946): ____
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: L. COOK, B. FREEMAN
OTHER(S) PRESENT: BRIAN MERCK WAYNE HOMES

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)

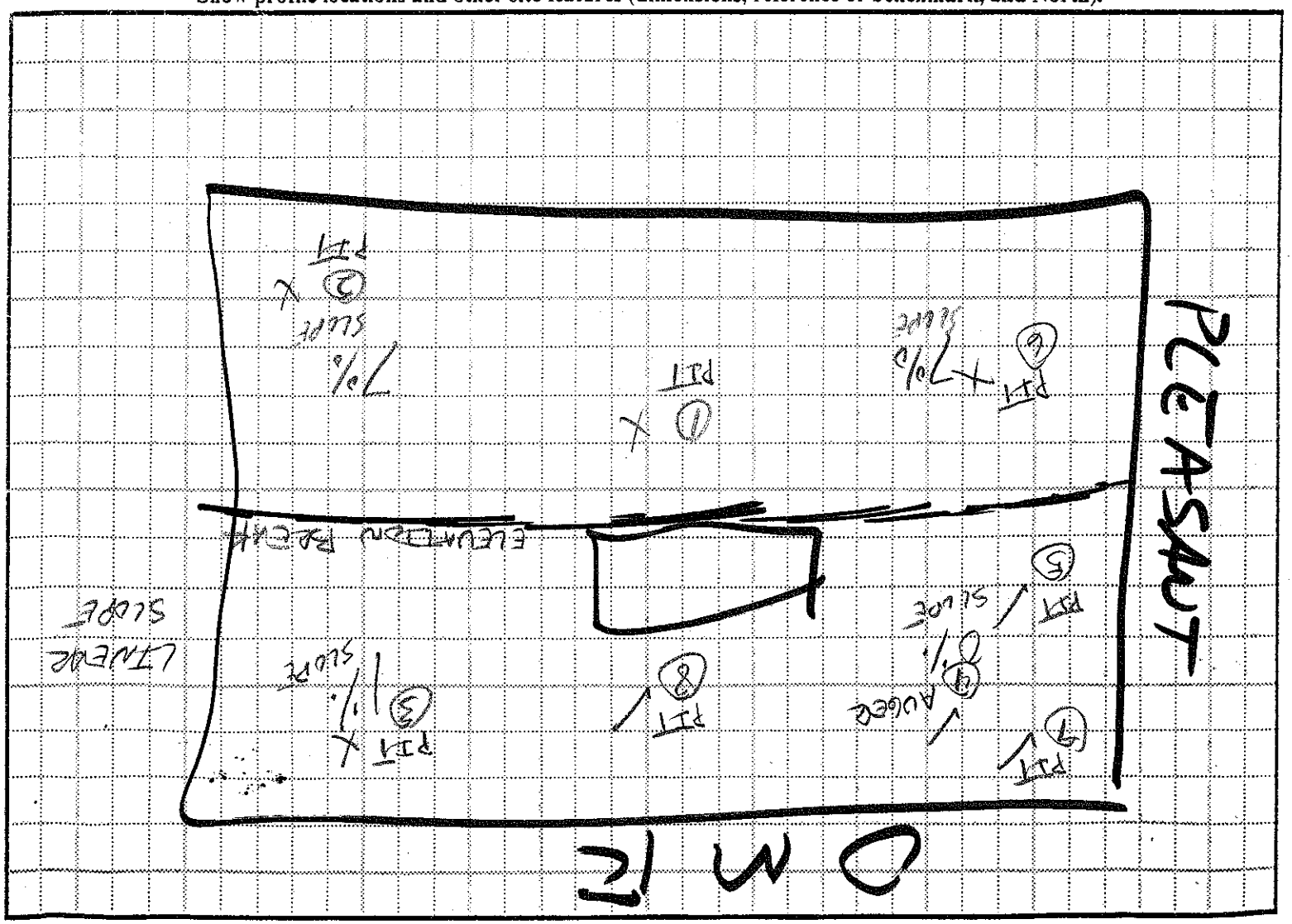
NOTES

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).



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

PAGE 2

Sheet ____ of
PROPERTY ID #: _____
COUNTY: _____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: _____ APPLICANT: _____
ADDRESS: _____ APPLICATION DATE: _____ DATE EVALUATED: _____
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
LOCATION OF SITE: _____ 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
5	SEE PROFILE LOCATION	0-10"	scl wk gr	fr ss sp sexp					PS .25
		12-60"	r med sbk/absk	fi s p sexp					
			12-30" hvy clay						
			30-60 less hvy clay						
6		0-12	SL wk gr	fr ns np sexp	12-32" light brown/red dark streaks 24" yellow streaks mixed in 2.5Y - 6/6 @ 30" 2.5Y - 7/2 @30"				US .25 Lateral H2O
		12-32"	c med absk	fi s p sexp					
		32-60"	red clay med sbk/absk	fi s p sexp					
7		0-6"	cl wk sbk	fr ss sp sexp	15"-30" few manganese stains				PS .25
		6-15"	red clay med sbk/absk	fi s p sexp					
		15-60"	c med absk/sbk	fi s p sexp					
			15-30" hvy clay						
			30-60" less hvy clay						
8		0-4"	cl wk gr	fr ss sp sexp	MANGANESE STAINS 15"-42"				PS .25
		4-60"	c med absk/sbk	fi s p sexp					

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

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

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR	LPP .1957 LTAR	MINERALOGY/ CONSISTENCE	STRUCTURE
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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)

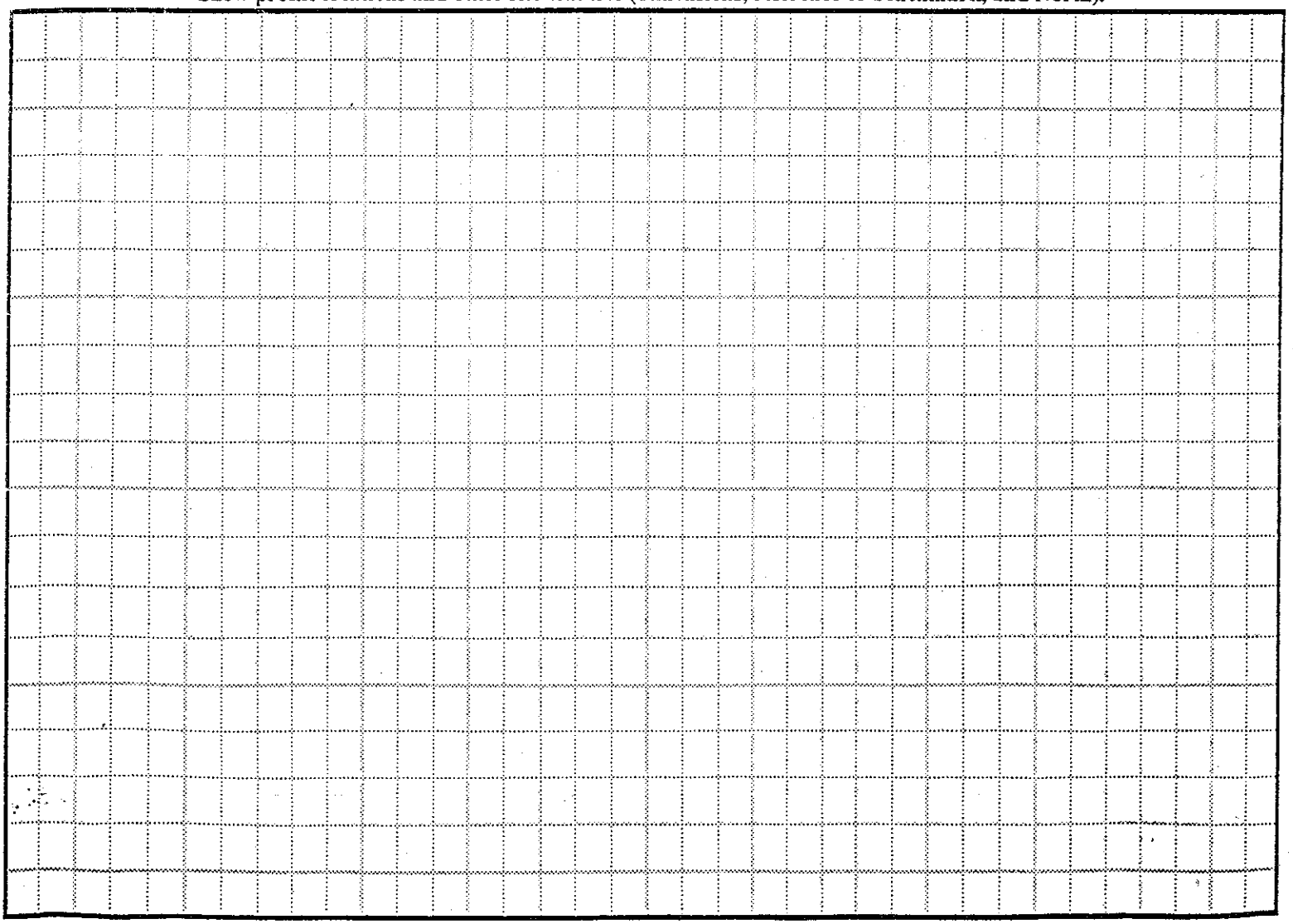
NOTES

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/ft^2

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



HEALTH, & NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

PROPERTY I.D.#: 8K-10-A-1 & 2
PROPERTY RECORDED:
COUNTY: IREDELL

SOIL/SITE EVALUATION
FOR
ON-SITE WASTEWATER SYSTEM

APPLICANT: CHRIS STILLS OWNER: ✓ AGENT: PHONE: 876-2613 / 873-2787
ADDRESS: RT. 16, BOX 211 APPLICATION DATE: 11/28/94 DATE EVALUATED: 12/1/94
STATESVILLE, NC PROPOSED FACILITY: 3BR HOUSE
28677 PROPERTY SIZE: 180' X 300' +
LOCATION OF SITE: ~~FOREST~~ WARREN ESTATES LOT 1 & 2 COMBINED
WATER SUPPLY: On-Site Well ✓ Comm. Well Public ✓ Other (?) EVAL. METHOD: Auger Boring ✓ Pit Cut

PROFILE #	.1940 LANDSCP POS./ SLOPE %	HORIZON DEPTH (IN.)	.1941 (a)(1) TEXTURE	(a)(2) STRUCTURE	(a)(3) MINEROLOGY	
1	L 6%	0-8	SC	GR	1:1 / FR	.1942 WETNES CONDITION U (MOTTLES 20"+
		8-12	C	SBK	1:1 / FI/P	.1943/.1956 SAPROLITE (LATERAL WATER
		12-28	C	SBK	MIX / FI/S/P	.1944 RESTRICTIVE HORIZON -
						.1948 PROFILE CLASSIFICATION U -
						PROFILE LTAR -
2	R 0%	0-4	SC	GR	1:1 / FR	.1942 WETNES CONDITION U (MOTTLES 10"+-32"
		4-10	C	SBK	1:1 / FI/P	.1943/.1956 SAPROLITE (PERCHED WATER
		10-32	C	SBK	MIX / FI/S/P	.1944 RESTRICTIVE HORIZON -
		32-48	C	ABK	1:1 / FI	.1948 PROFILE CLASSIFICATION U -
						PROFILE LTAR -
3	R 0%	0-6	SC	GR	1:1 / FR	.1942 WETNESS CONDITION U (MOTTLES 12"-32"
		6-12	C	SBK	1:1 / FI/P	.1943/.1956 SAPROLITE (PERCHED WATER
		12-32	C	SBK	MIX / FI/S/P	.1944 RESTRICTIVE HORIZON -
		32-48	C	ABK	1:1 / FI	.1948 PROFILE CLASSIFICATION U -
						PROFILE LTAR -
4	R 0%	0-6	SC	GR	1:1 / FR	.1942 WETNESS CONDITION PS (MOTTLES 12-30
		6-12	C	SBK	1:1 / FI/P	.1943/.1956 SAPROLITE S -
		12-30	C	SBK	MIX / FI/S/P	.1944 RESTRICTIVE HORIZON S -
		30-48	C	ABK	1:1 / FI	.1948 PROFILE CLASSIFICATION PS -
						PROFILE LTAR 0.25 GPD/FT²
5	R 1%	0-6	SC	GR	1:1 / FR	.1942 WETNESS CONDITION PS (MOTTLES 12"-34"
		6-12	C	SBK	1:1 / FI	.1943/.1956 SAPROLITE S -
		12-34	C	SBK	MIX / FI/S/P	.1944 RESTRICTIVE HORIZON S -
		34-48	C	ABK	1:1 / FI	.1948 PROFILE CLASSIFICATION PS -
						PROFILE LTAR 0.25

AVAILABLE SPACE (.1945) 5 SITE CLASSIFICATION (.1948): PS SITE LONG-TERM ACCEPTANCE RATE: 0.25 GPD/FT²
OTHER FACTORS(.1946) NONE SYSTEM TYPE CONV. GRAVITY
EVALUATED BY: S. HEDRICK OTHER(S) PRESENT: CHRIS STILLS
COMMENTS: POTENTIAL FOR FUTURE SUBSURFACE INTERCEPT DRAIN

DRAFT