DEPARTMENT OF HUMAN RESOURCES
DIVISION OF HEALTH SERVICES

SITE/SOIL EVALUATION FOR SANITARY SEWAGE SYSTEM

OWNER: Ed Allred PHONE: 704 521-0591 DATE REQUESTED: 2/24 DATE EVALUATED: 3/22/02
ADDRESS: PROPERTY IDENTIFICATION NO.: 105045
COUNTY: PROPERTY SIZE: 1.13 Ac PROPOSED FACILITY: 3BD w Bsmt
LOCATION OF SITE: Bridges Farm Rd. on (R) before fire house on R
WATER SUPPLY: On-Site Well ✓ Community ___ Public ___ EVALUATION BY: Auger Boring ✓ Pit ___ Cut ___

FACTORS	PROFILE 1 (L)	PROFILE 2 (R)	PROFILE 3	PROFILE 4	PROFILE 5
LANDSCAPE POSITION	CR LS	CR LS			
SLOPE(%)	5%	5-6%			
HORIZON I DEPTH	0 - 8	0 - 11			
Texture Group	a	c			
Consistence	FI S SP	FI S SP			
Structure	sbk	wk			
Mineralogy		(:1			
HORIZON II DEPTH	9 - 28	12 - 39			
Texture Group	cl	hcl			
Consistence	FR SS SP	FI SS SP			
Structure	sbk				
Mineralogy					
HORIZON III DEPTH	29 - 49	28 - 39			
Texture Group	cl sap.	scl			
Consistence	FR SS NP	FR SS SP			
Structure	GR few 4 MOT. <2%	sbk			
Mineralogy					
HORIZON IV DEPTH		40 - 50			
Texture Group		l sap			
Consistence		VER SS SP			
Structure		GR			
Mineralogy		1:1			
SOIL WETNESS	PS	PS			
RESTRICTIVE HORIZON	NA	NA			
SAPROLITE	PS	PS			
CLASSIFICATION					
LONG-TERM ACCEPTANCE RATE	.3	.3			

SITE CLASSIFICATION: PS
EVALUATED BY: Sparks
SITE LONG-TERM ACCEPTANCE RATE: .3
OTHER(S) PRESENT: DL Dellinger
REMARKS:
Need foam drain entrance drainfield for foundation drain to run through

LANDSCAPE POSITION
- Ridge
- Shoulder slope
- Linear slope
- Foot Slope
- Nose slope
- Head slope
- Concave slope
- Convex slope
- Terrace
- Flood Plain

TEXTURE
- s - sand
- ls - loamy sand
- sl - sandy loam
- l - loam
- si - silt
- sil - silt loam
- sicl - silty clay loam
- cl - clay loam
- scl - sandy clay loam
- sc - sandy clay
- sic - silty clay
- c - clay

LEGEND

CONSISTENCE

Moist
- vfr - very friable
- fr - friable
- fi - firm
- vfi - very firm
- efi - extremely firm

Wet
- Ns - non-sticky
- Ss - slightly sticky
- S - sticky
- Vs - very sticky
- Np - non-plastic
- Sp - slightly plastic
- P - plastic
- Vp - very plastic

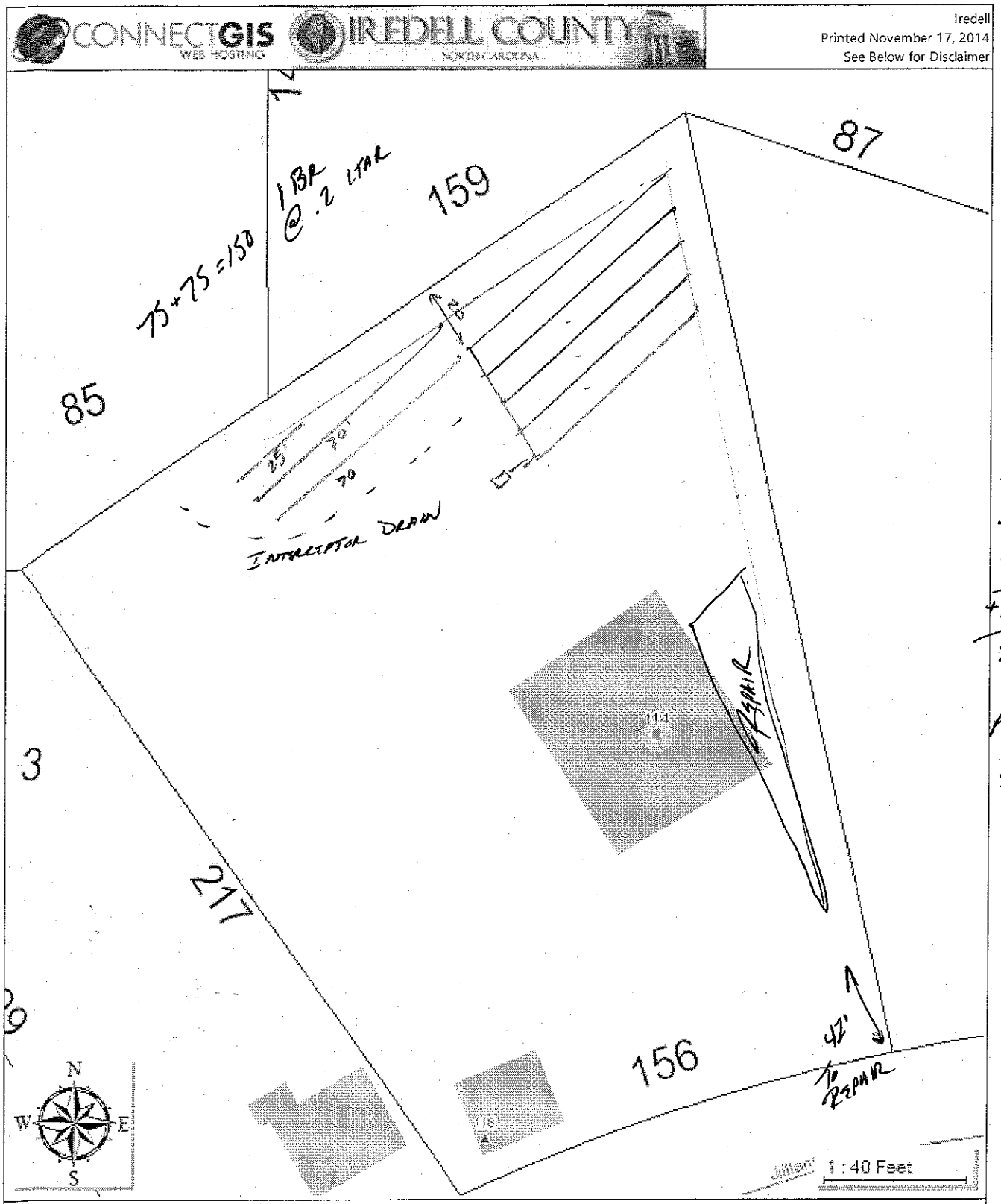
STRUCTURE
- sg - single grain
- m - massive
- cr - crumb
- gr - granular
- sbk - subangular blocky
- abk - angular blocky
- pl - platy
- pr - prismatic

MINERALOGY
1:1, 2:1, mixed

the above standard abbreviations.

ES:
izon Depth --in inches
th of Fill --in inches from land surface
trictive Horizon--thickness and inches from land surface
rolite --S (suitable) or U (unsuitable)

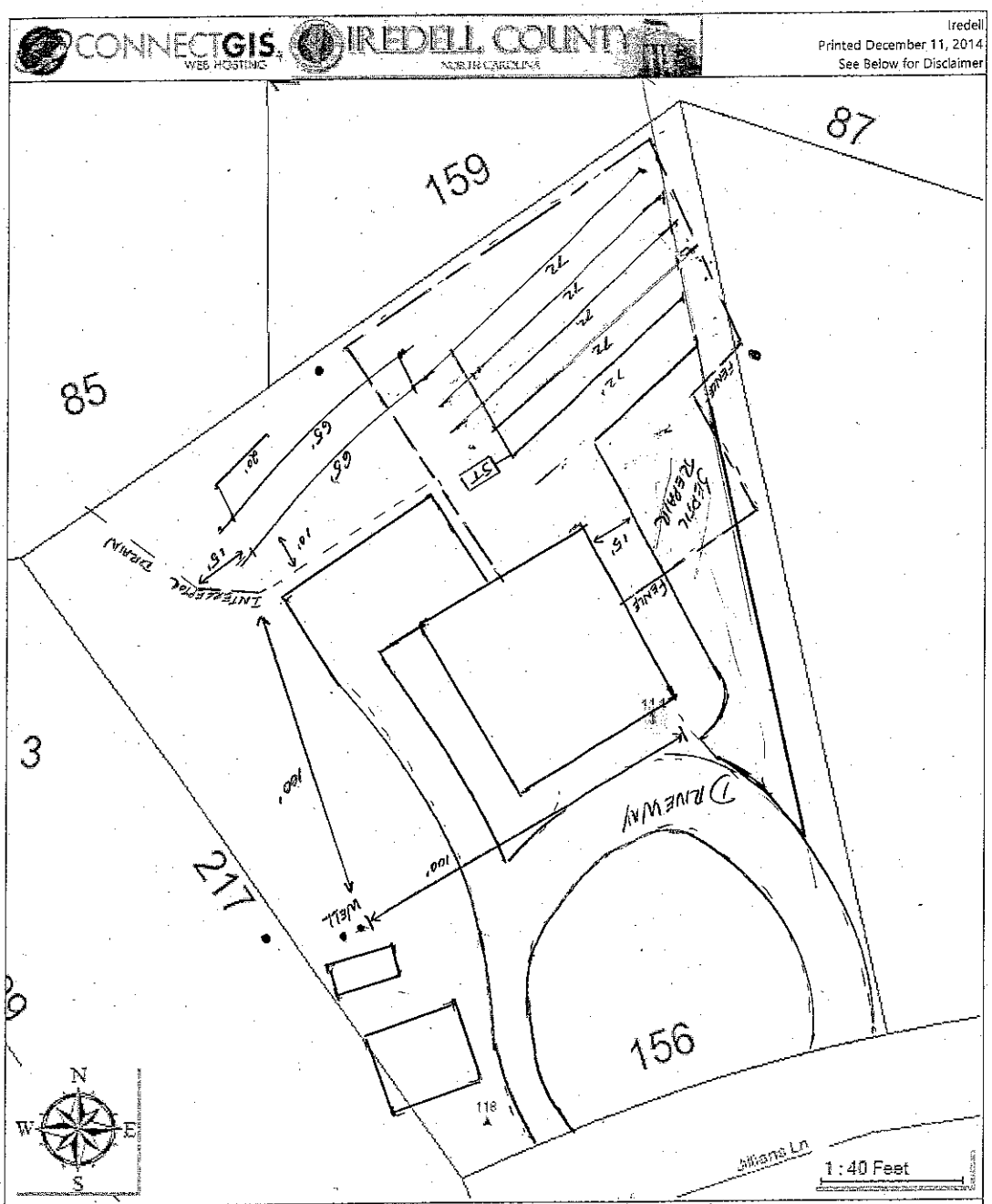
NOTES:
Soil Wetness --inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less--record Munsell color chip design
Classification--S (suitable), PS (provisionally suitable) or U (unsuitable)
Long-Term Acceptance Rate--gal/day/ft²



The maps prepared for this website are generated from recorded deeds, plats, and other public records. Users of these maps are hereby notified that the information provided herein should be verified. Iredell County assumes no legal responsibilities for any of the information contained on this site. Users are advised that the use of any of this information is at their own risk. All maps on this site were prepared using a 1000â€™ Grid based upon the North Carolina State Plane Coordinate System from the 1983 North American Datum. The delinquent real property tax overlay is updated monthly. The information presented is not intended to be used or relied upon as official notice of tax liens. For additional information regarding delinquent taxes, contact the Iredell County Tax Collector's Office.

NO INTERCEPTOR DRAIN

Joel Patterson
Partners in Land Surveying
704-663-0110
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DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 3
PROPERTY ID #: 4654080933
COUNTY: IREDELL

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: GIL ALLRED APPLICATION DATE
ADDRESS: 1148 JILLIANS LN DATE EVALUATED:
PROPOSED FACILITY: SFR PROPOSED DESIGN FLOW (.1949): 480 GPD PROPERTY SIZE: 1.13 ACRE
LOCATION OF SITE: 114 JILLIANS LN. 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
1	LF 10%	0-9	BSCL, WSBK	FR SS, SP		32"	U	32"	.2 ABOVE 32"
		9-32	BRYCL, WSBK	FR, SS, SP					
		32-48	CL SAP						
2	LL 9%				COLUVIAL FILL MIX				
3	LS 9%	0-9	BSCL, WSBK	FR, SS, SP	SOME MANG. AT 16"-20" SAP INCL. AT 40"	48"	N/A	N/A	.275-.3 .3 GREATER THAN 20"
		9-15	BSCL, SBK	FR, SS, SP					
		16-48	RC/CL SBK/WSBK	FR, SS, SP					
4	LL 8%	0-10	BSCL, WSBK	FR, SS, SP	MANG. 18"-22" FEW SAP INCL. AT 44"	48"	N/A	N/A	.275-.3 .3 > 22"
		10-20	BCL, SBK	FR, SS, SP					
		20-48	RC/CL SBK/WSBK	FR, SS, SP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	APPROVED	PP/RPS
Site LTAR	.2	.275-.3

OTHER FACTORS (.1946): —
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: SHANE CASHION
OTHER(S) PRESENT: GIL ALLRED

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.

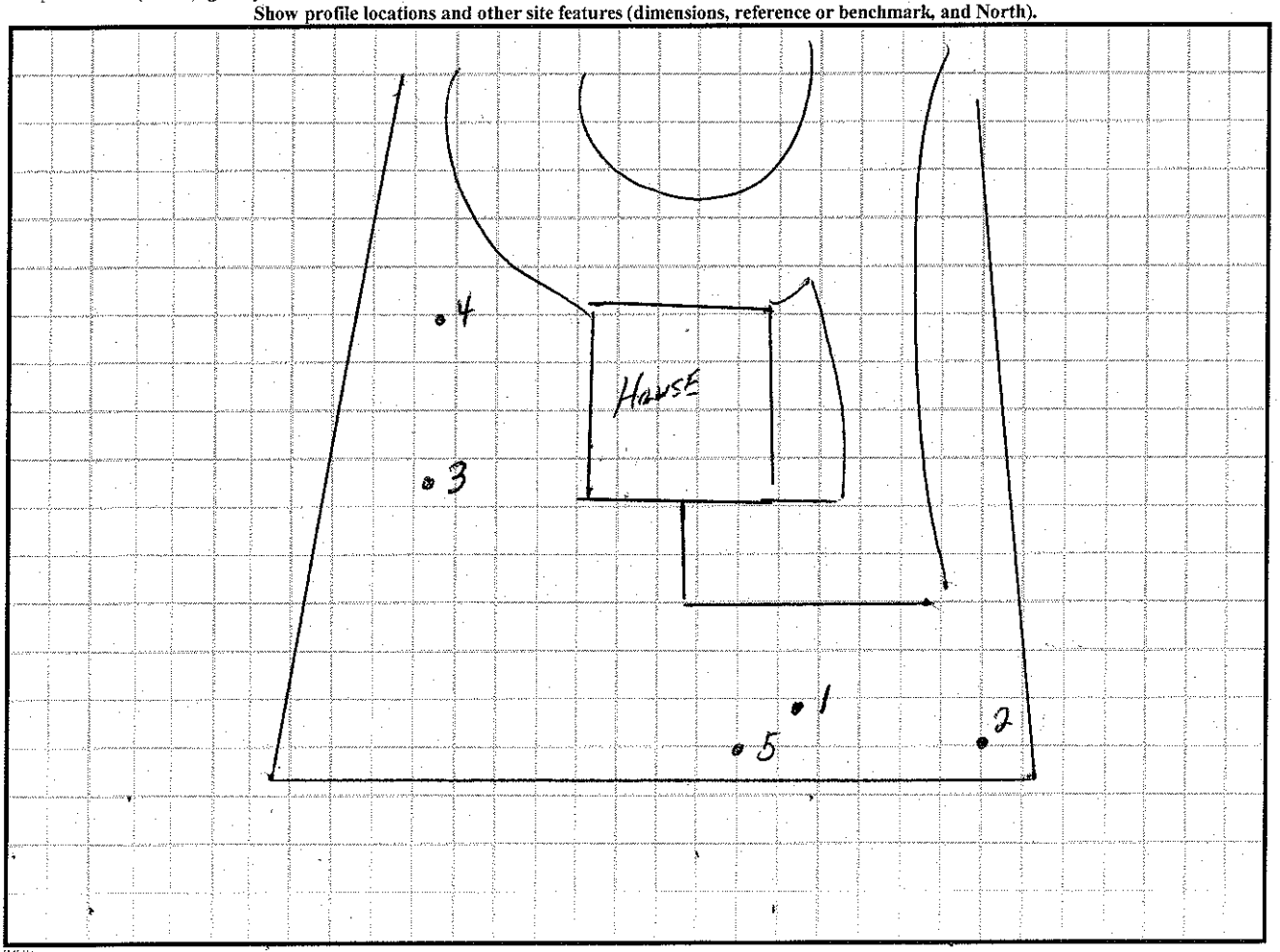
NOTES

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 (#####)

SOIL/SITE EVALUATION

(Continuation Sheet)

Sheet ___ of ___

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: ___________
DATE OF EVALUATION: ___________
COUNTY: ___________

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
5	LL 5%	0-9	BSCL WSBK	FR, SS, SP	38"+ CHROMA 2	38"			.2 < 38" U > 38"
		9-38	YBCL VWSBK	FR, SS, SP					

COMMENTS: ____