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

Sheet 1 of 1
PROPERTY ID #: 129844
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: TODD RHYNE APPLICATION DATE 7/7/05
ADDRESS: 816 WHITES FARM RD STATESVILLE, NC 28677 DATE EVALUATED: 8/24/05
PROPOSED FACILITY: Single Family PROPOSED DESIGN FLOW (.1949): 360 gpd PROPERTY SIZE: .34 ACRES
LOCATION OF SITE: 70 W (HICKORY HWY) LOT CORNER OF HICKORY AND WINBORRY PROPERTY RECORDED: 1973
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	PROFILE CLASS & LTAR
Pit 1 UPPER SIDE									
1	SS LV 3%	0-3	m SBK SCL	VFr SS/SP SEXP	Mn INC 16"+	16"	S		PS .4
		3-16	m SBK C	Fr SS/SP SPXP					
		16+	SL SAP	VFr NS/NP SEXP					
Pit 1 LOWER SIDE									
2	SS LV 3%	0-8	m SBK SCL	VFr SS/SP SEXP	MANY Mn INC 36"+	24"	S		PS .3
		8-24	m SBK C	Fr SS/SP SEXP					
		24+	SiL SAP	VFr NS/NP SEXP					
Pit 2	F LL 40%	0-12	m SBK SCL	VFr SS/SP SEXP	SOME CHROMA 4-5 ABOVE QUARTZ VEIN	24"	S	24"	4 Ø
3		12-24	m SBK C	Fr SS/SP SEXP					
		24-30	QUARTZ VEIN						
		30-42	SL SAP	VFr NS/NP SEXP					
		42+	SiL SAP	VFr NS/NP SEXP					
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	S	S
System Type(s)	GRAV 50% RED	.1948(O) LPP PS
Site LTAR	.3	

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

COMMENTS: REPAIR WILL BE SAND LINED TRENCH AFTER REMOVING RESTRICTIVE HORIZON PER .1948(O)

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	SCL (Sandy Clay Loam)	0.6 - 0.3	0.3 - 0.15		PL (Platy)
L (Linear Slope)		SiL (Silt Loam)				PR (Prismatic)
N (Nose Slope)		CL (Clay Loam)				
R (Ridge)		SiCL (Silty Clay Loam)			**MOIST**	**WET**
S (Shoulder Slope)		Si (Silt)				
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		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.**

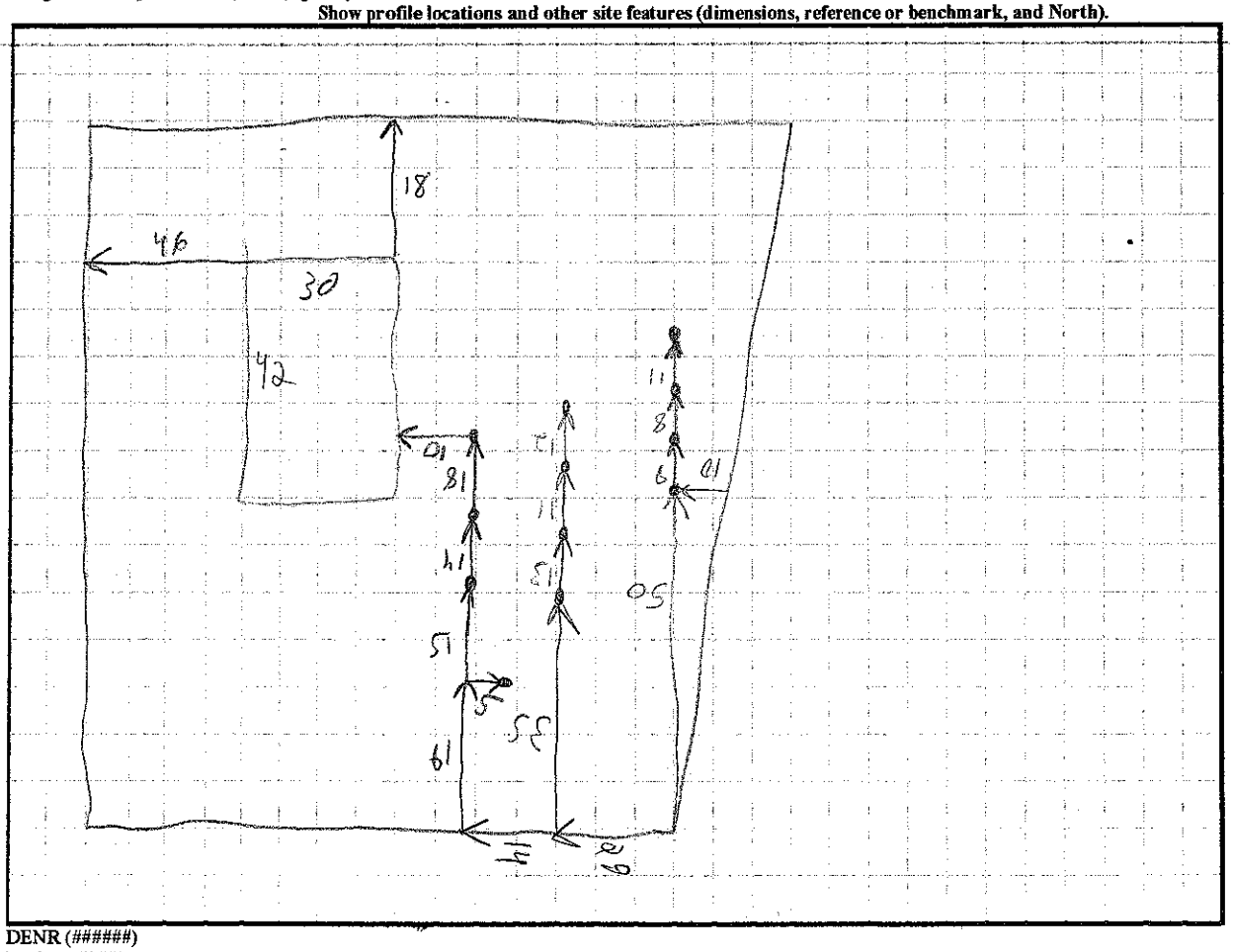
NOTES

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
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ON-SITE WASTEWATER SECTION

Sheet 1 of 1
PROPERTY ID #: 129844
COUNTY: IREDELL

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: TODD RHYNE
ADDRESS: 816 WHITES FARM RD STATESVILLE, NC 28677
PROPOSED FACILITY: SINGLE FAMILY PROPOSED DESIGN FLOW (.1949): 360 GPD
LOCATION OF SITE: 70W (HICKORY HWY) LOT CORNER OF HICKORY AND WINBORO

APPLICATION DATE 7/7/05
DATE EVALUATED: 8/4/05
PROPERTY SIZE: .34 ACRES
PROPERTY RECORDED: 1973

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	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	F LV 3%	0 - 2 2 - 22 22 +	M SBK SCL M SBK C C + SAP	VFR SS/SP SPAP FR SS/SP SPAP	CHROMA 4 - 6 11" + MA INC 11" +	22"			4 Ø
2	F LL 5%	0 - 10 10 - 22 22 +	M SBK SCL M SBK C C + SAP	VFR SS/SP SPAP FR SS/SP SPAP	CHROMA 3 - 6 10" + CHROMA @ 22" MANY QUARTZ FRAGMENTS 10" +	22"			4 Ø
3	F LV 3%	0 - 10 10 - 14 14 - 30 NOTE: HIT A ROCK AT	M SBK SCL M SBK C M SBK SC	VFR SS/SP SPAP FR SS/SP SPAP VFR SS/SP SPAP 30"	CHROMA 3 - 5 10" + 30 - 90% SAP 20" +				XS .25
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	4	4
System Type(s)		
Site LTAR		

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): 4
EVALUATED BY: Elizabeth
OTHER(S) PRESENT:

COMMENTS: PIT REAL NEEDED

LEGEND

use the following standard abbreviations

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N (Nose Slope)		CL (Clay Loam)				
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NOTES

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DEPTH OF FILL In inches from land surface

RESTRICTIVE HORIZON Thickness and depth from land surface

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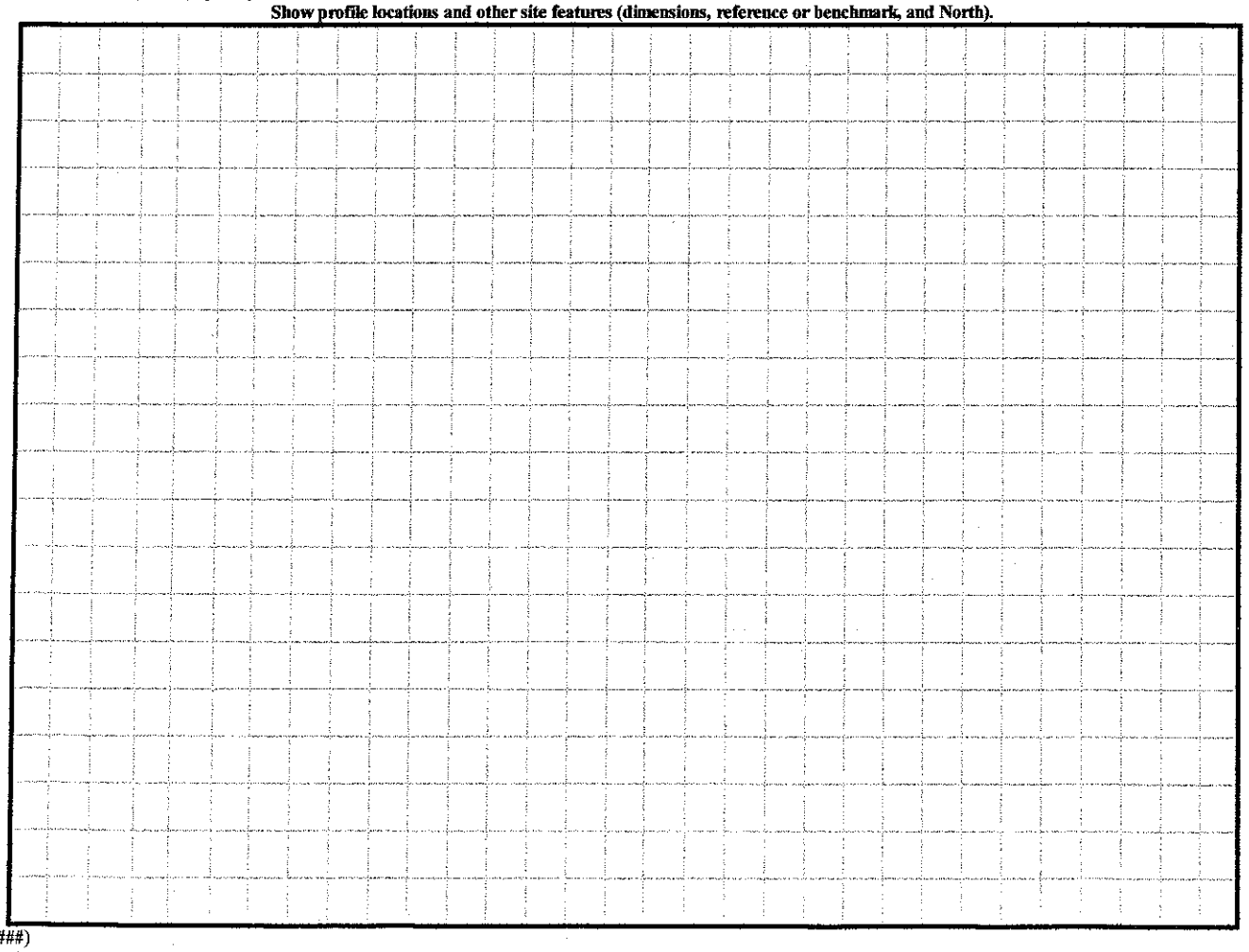
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Review (#####)