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

4702-94-9823.002 PROPERTY ID #:

Sheet 1 of ___
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: LARRY YOUNGER
ADDRESS: 955 EUFOLA RD. STATESVILLE NC 28677
PROPOSED FACILITY: 3 BR
PROPOSED DESIGN FLOW (.1949): 360
LOCATION OF SITE: I-40W TL OMR TR CELESTE EUFOLA TR EUFOLA
WATER SUPPLY: ☐ Private ☐ Public ☑ Well ☐ Spring ☐ Other 1ST DRIVE ON RT

APPLICATION DATE 11/8/04
DATE EVALUATED: 12/29/04
PROPERTY SIZE: .59
PROPERTY RECORDED: Y

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	CR H	0-3	WK GR SL	VFR NS/NP SO ST P	—	36"	—	—	PS 0.25
		3-24	MO SBK C	FR S/P SO ST P					
		24-36	MO SBK C+ SAP	FR S/P SO ST P					
		36+	SL MA SAP	—					
2	CR H	0-14	WK GR SBK SCL	VFR SS/SP SO ST P	—	39"	—	—	PS 0.30
		14-30	MO SBK C	FR S/P SO ST P					
		30-39	MO SBK C+ SAP	FR S/P SO ST P					
		39+	SL MA SAP	—					
3	CR H	0-3	WK GR SL	VFR NS/NP SO ST P	—	18"	—	—	~~PS~~ UN N/A ~~0-30~~
		3-18	MO SBK C+ SAP	FR S/P SO ST P					
		18+	SL MA SAP	—					
4	CR H	0-2	WK GR SL	VFR NS/NP SO ST P	—	12"	—	—	UN N/A
		2-12	MO SBK C+ SAP	FR S/P SO ST P					
		12+	SL MA SAP	—					

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

OTHER FACTORS (.1946): REQ BACKHOE PITS
SITE CLASSIFICATION (.1948): ___
EVALUATED BY: CS
OTHER(S) PRESENT: LARRY YOUNGER

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.

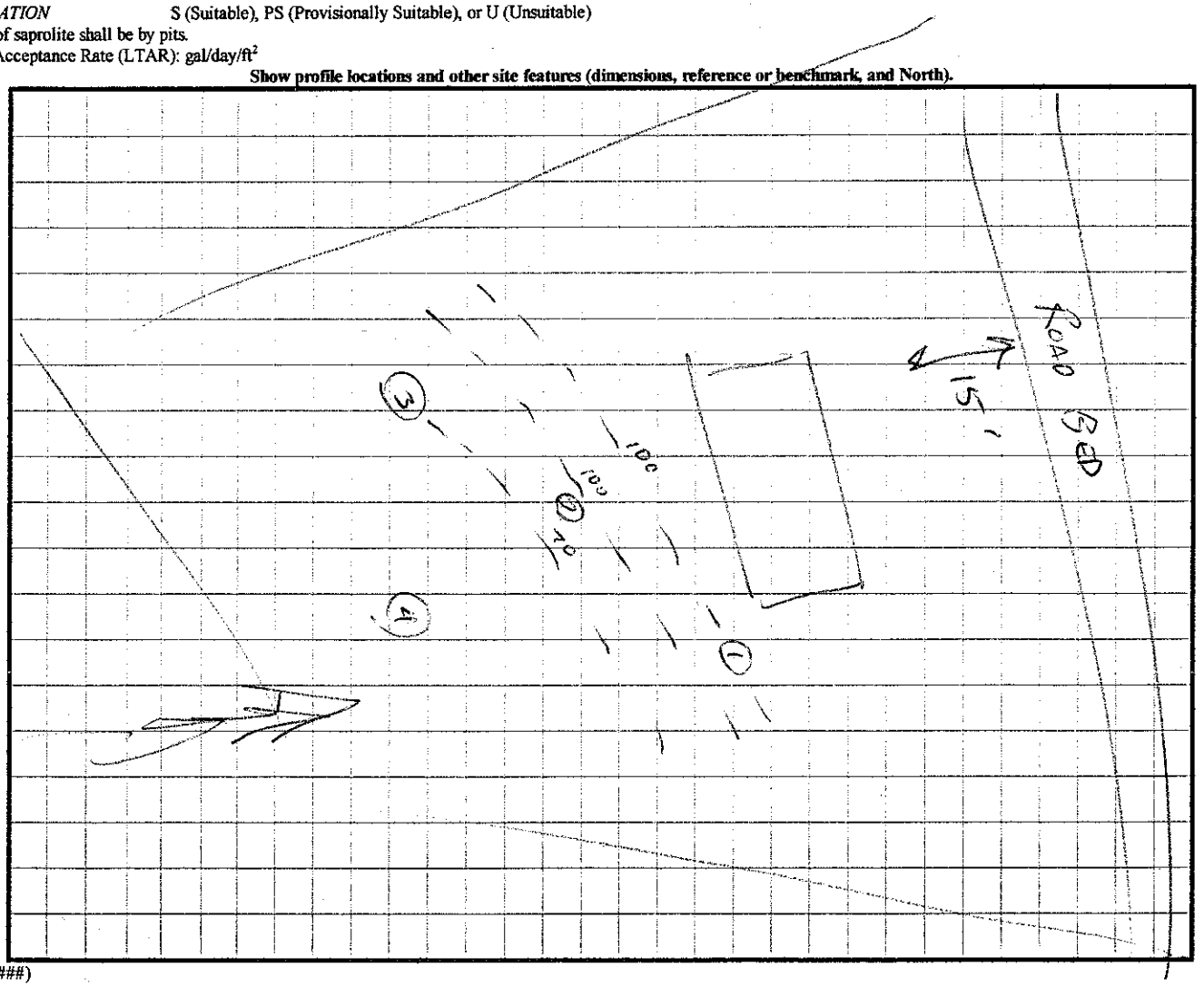
NOTES

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

4702-94-9823.002 PROPERTY ID #: Sheet 1 of
COUNTY: IRE

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: YOUNGER APPLICATION DATE
ADDRESS: DATE EVALUATED: 2-25-05
PROPOSED FACILITY: 3BR PROPOSED DESIGN FLOW (.1949): 360 PROPERTY SIZE: 0.59
LOCATION OF SITE: EUFOLA RD. PROPERTY RECORDED: Y
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	H	0-6	SBK SCL	VFR SS/SP SXP	—	30"	UN	—	PS 0.30
		6-30	SBK C	FR S/P SXP					
		30-48	M SAP	CL					
2	L	0-12	GR SL	VFR NS/SP SXP	—	>48"	—	—	PS 0.30
		12-48	SBK C	FR S/P SXP					
3	H	0-6	GR SL	VFR NS/SP SXP	—	32"	UN	—	PS 0.30
		6-32	SBK C	FR S/P SXP					
		32-48	M SAP	CL					
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	III GRAVITY 25%	IV LPP50%
Site LTAR	0.30	0.30

OTHER FACTORS (.1946): SURFACE SWALE
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: CS
OTHER(S) PRESENT: LARRY YOUNGER, FOREST SHUFORD

COMMENTS:

LEGEND

use the following standard abbreviations

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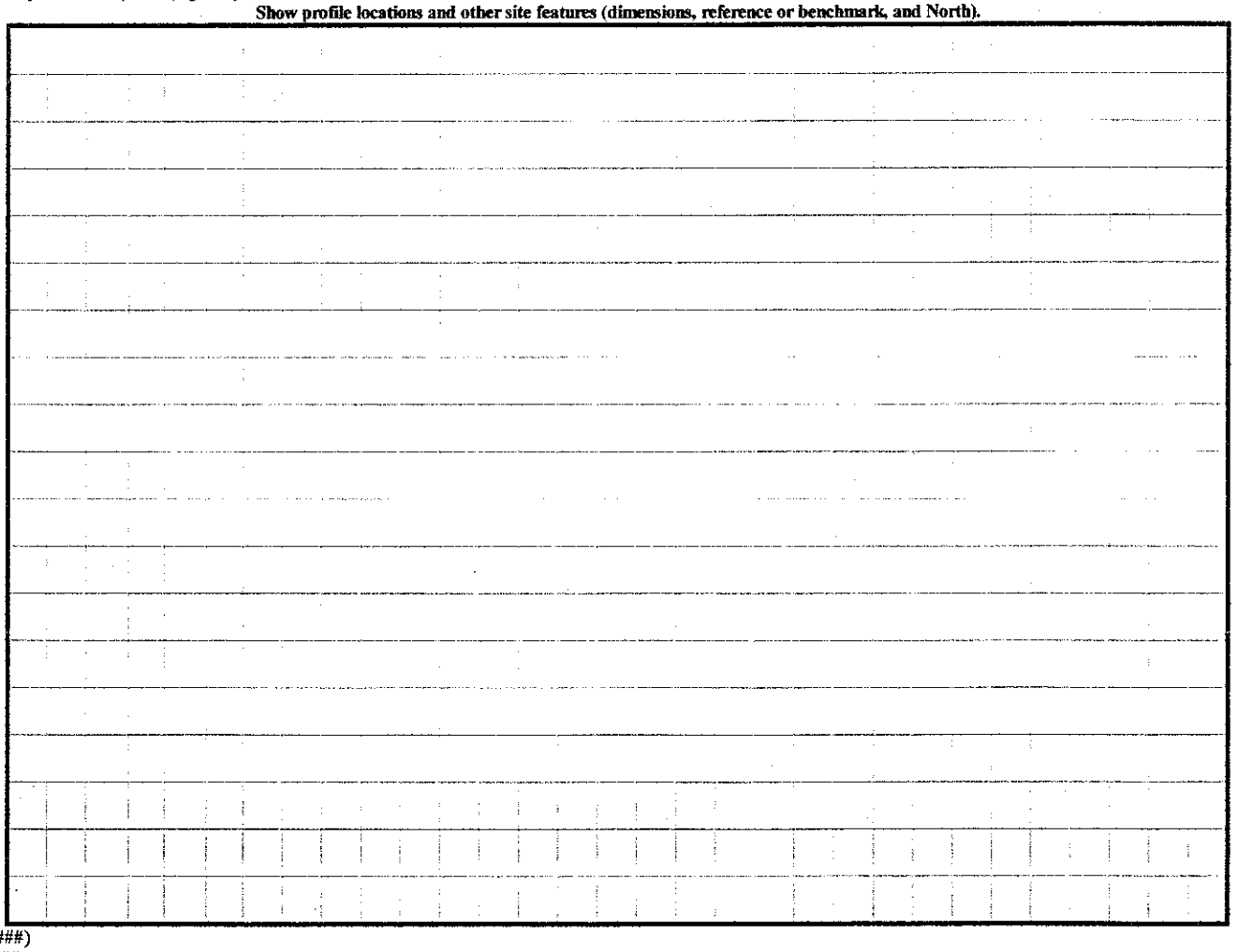
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