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

Sheet 2 of 2
PROPERTY ID #: 128496
COUNTY: IREDELL

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: ERROL JOE & ANOR WILLIAMS — APPLICATION DATE 5/3/05
ADDRESS: 487 BROOKHAVEN RD STATESVILLE, NC 28625 — DATE EVALUATED: 7/6/05
PROPOSED FACILITY: SINGLE FAMILY — PROPOSED DESIGN FLOW (.1949): 240 GPD — PROPERTY SIZE: 6.91 ACRES
LOCATION OF SITE: (N) 115 (L) BROOKHAVEN RD (L) LOT — 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	FL 5%	0-8	m gr SCL	vfr ss/sp sexp	24"-40" CHROMA 3-4 mottles	40"			PS .3
		8-24	m SBK SCL	fr ss/sp sexp					
		24+	m SBK SCL	fr ss/sp sexp	40"+ CHROMA 2-4 mottles				
2	FL 5%	0-18	m gr-SBK scl	vfr ss/sp sexp	6"-32" CHROMA 3-4 mottles	32"			U Ø
		18+	m SBK SCL	fr ss/sp sexp	32"-44" CHROMA 2-3 mottles				
					44"+ CHROMA 1 soil				
3	FL 5%	0-8	m gr scl	vfr ss/sp sexp	16"-32" CHROMA 3-4 mottles	32"			U Ø
		8+	m SBK SCL	fr ss/sp sexp	32"-40" CHROMA 2-3 mottles				
					40"+ CHROMA 1 soil				
4									

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

OTHER FACTORS (.1946): ____
SITE CLASSIFICATION (.1948): U
EVALUATED BY: [signature]
OTHER(S) PRESENT: ____

COMMENTS: RECLASSIFIED TO PS WITH INTERCEPTOR DRAIN - LTAR = .3

7/8/05 [signature]

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.

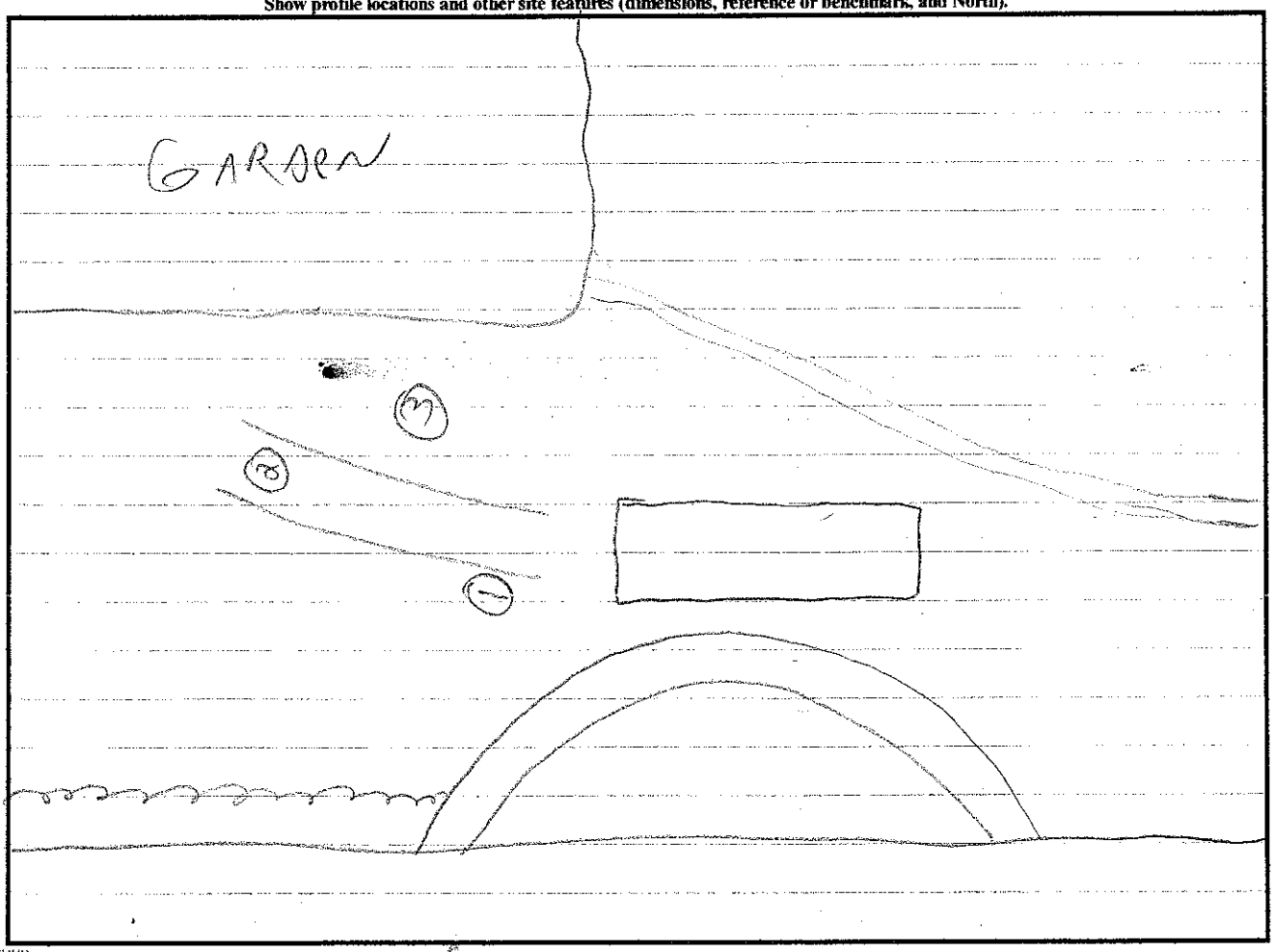
NOTES

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 (#####)

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PROPERTY RECORDED: ____

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1	SS LL	0 – 12	m gr scl	vfr ss/sp sepp		20"			U Ø
		12 – 20	m sbk scl	vfr ss/sp sepp					
		20 +	scl + sap						
2	SS LL	0 – 15	m gr scl	vfr ss/sp sepp		15"			U Ø
		15 +	scl + sap						
3	SS LL	0 – 8	m sbk scl	vfr ss/sp sepp		22"			U Ø
		8 – 22	m sbk c	fr ss/sp sepp					
		22 +	c + sap						
4									

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Available Space (.1945)	U	U
System Type(s)	—	
Site LTAR	—	

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SITE CLASSIFICATION (.1948): U
EVALUATED BY: Elaine Maine
OTHER(S) PRESENT: ____

COMMENTS: ____

LEGEND

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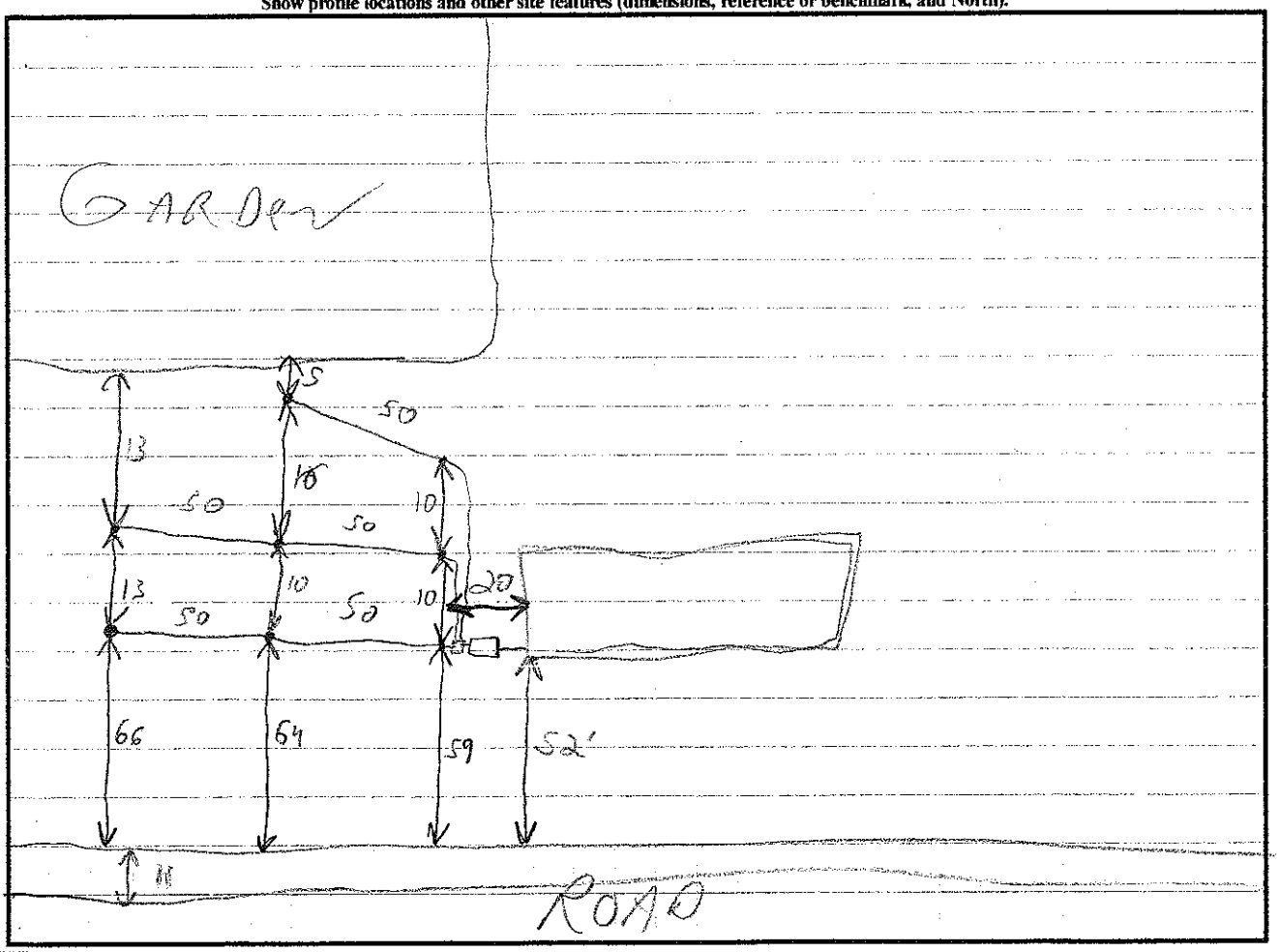
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