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

Sheet 1 of ___
PROPERTY ID #: _____
COUNTY: _____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Bob Hill — APPLICATION DATE 9-15-04
ADDRESS: PO Box 1732 Lincolnton NC 28093 — DATE EVALUATED: 10/11/04
PROPOSED FACILITY: 4 br — PROPOSED DESIGN FLOW (.1949): 480 — PROPERTY SIZE: _____
LOCATION OF SITE: I-77N TR Tomlin Mill TL Josey TL Olin On left — PROPERTY RECORDED: yes
WATER SUPPLY: ☐ Private ☑ Public ☐ Well ☐ Spring ☐ Other Olin Glen #17
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	L	0-3	wk sbk scl	vfr ss/sp sexp	—	39	PIT	—	—
		3-12	mo sbk C	fr s/p sexp					
		12-39	mo sbk C+sap	fr s/p sexp					
		39+	sl ma sap	—					
2	L	0-2	wk sbk scl		—	>48	—	—	PS .3
		2-22	mo sbk C	fr s/p sexp					
		22-48	mo sbk C+sap	fr s/p sexp					
3	L	0-4	wk sbk scl		—	36	PIT	—	—
		4-27	mo sbk C	fr s/p sexp					
		27-36	mo sbk C+sap	fr s/p sexp					
		36+	sl ma sap	—					
4	L	0-6	wk sbk scl		—	>48	—	—	PS .3
		6-33	mo sbk C	fr s/p sexp					
		33-48	mo sbk C+sap	fr s/p sexp					

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

OTHER FACTORS (.1946): Req. backhoe pits to evaluate SAP.
SITE CLASSIFICATION (.1948): _____
EVALUATED BY: CS
OTHER(S) PRESENT: No

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.

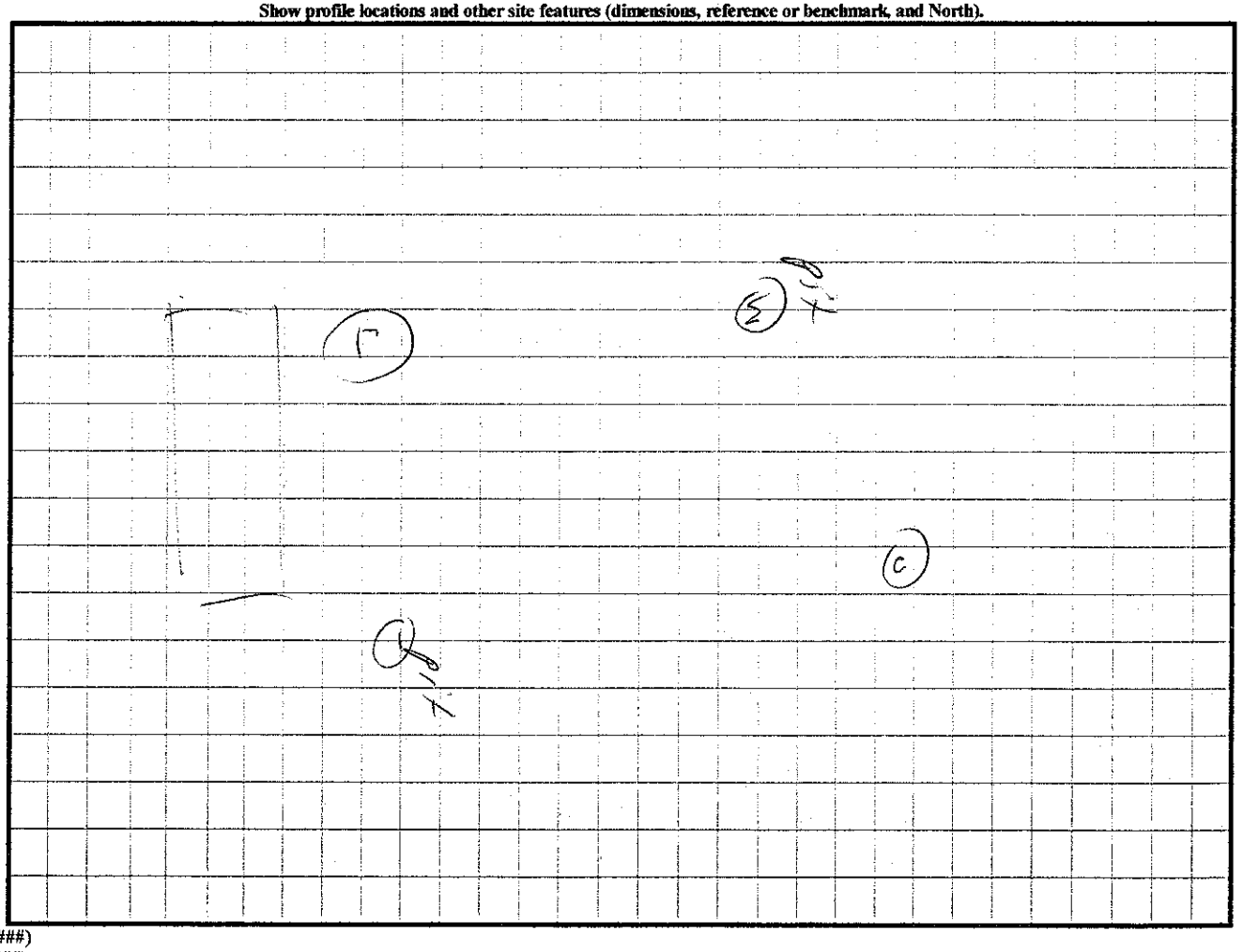
NOTES

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

Sheet 2 of ___
PROPERTY ID #: _____
COUNTY: _____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Bob Hill
ADDRESS: PO Box 1732 Lincolnton NC 28093
PROPOSED FACILITY: 3 br
LOCATION OF SITE: I-77N TR Tomlin Mill TL Josey TL Olin on left
WATER SUPPLY: ☐ Private ☑ Public ☐ Well ☐ Spring ☐ Other OLIN GLEN #17
EVALUATION METHOD: ☐ Auger Boring ☑ Pit ☐ Cut

APPLICATION DATE 9-15-04
DATE EVALUATED: 10-21-04
PROPERTY SIZE: _____
PROPOSED DESIGN FLOW (.1949): 360
PROPERTY RECORDED: _____
TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	L	0-9	wk sbk scl	vfr ss/sp sexp	—	42	UN	—	PS 0.3
		9-26	mo sbk C	fr s/p sexp					
		26-42	wk sbk C+sap	fr s/p sexp					
		42-48	sl ma sap	cl					
2		0-9	wk sbk scl	vfr ss/sp sexp	—	42	UN	—	PS 0.3
		9-27	mo sbk C	fr s/p "					
		27-42	wk sbk C+sap	fr s/p "					
		42-48	sl ma sap	cl					
3		0-9	wk sbk scl	vfr ss/sp sexp	—	42	UN	—	PS 0.3
		9-24	mo sbk C	fr s/p "					
		24-42	wk sbk C+sap	fr s/p "					
		42-48	sl ma sap	cl					
4		0-10	wk sbk scl	vfr ss/sp sexp	—	33	PS	—	PS 0.3
		10-24	mo sbk C	fr s/p "					
		24-33	wk sbk C+sap	fr s/p "					
		33-48	sl ma sap						

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

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

COMMENTS: _____

LEGEND

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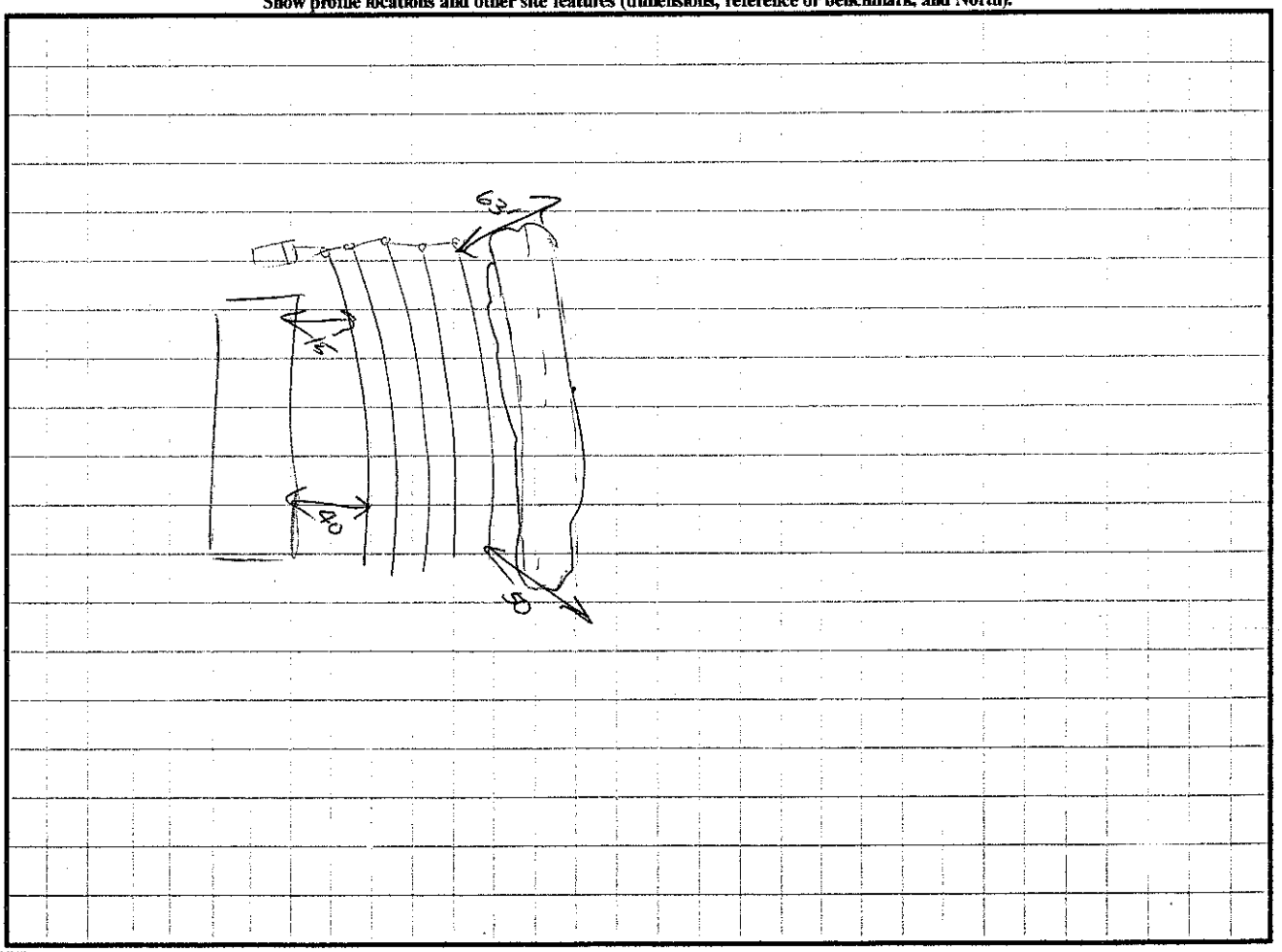
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DENR (######)
Review (#####)