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

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

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

34-P-10-04
4741/SD6796

OWNER: DOUG JOHNSON
ADDRESS: ___
PROPOSED FACILITY: 3BR HOUSE
PROPOSED DESIGN FLOW (.1949): 360
LOCATION OF SITE: JAMES WOODS LOT 35
APPLICATION DATE ___
DATE EVALUATED: ___
PROPERTY SIZE: ___
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	6%	0-3 3-48"	sil wk gr consistn	f sn sprng f sss plas					PS .3
2	6% L	0-3 3-48"	sil wk gr consistn	f sn sprng f sss plas					PS .3
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	YES	YES
System Type(s)	CONV 36"	LPP 50% RED
Site LTAR	.3	.3

OTHER FACTORS (.1946): ___
SITE CLASSIFICATION (.1948): AP
EVALUATED BY: L. COLE
OTHER(S) PRESENT: D. CALLAHAN

COMMENTS: NO SAPROLITE IN INITIAL SYSTEM

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)				
S (Shoulder Slope)		SiL (Silt Loam)				
T (Terrace)						
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05		
		SiC (Silty Clay)				
		C (Clay)				
		O (Organic)	None	None		

MOIST	WET
VFR (Very Friable)	NS (Non-sticky)
FR (Friable)	SS (Slightly Sticky)
FI (Firm)	S (Sticky)
VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
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.

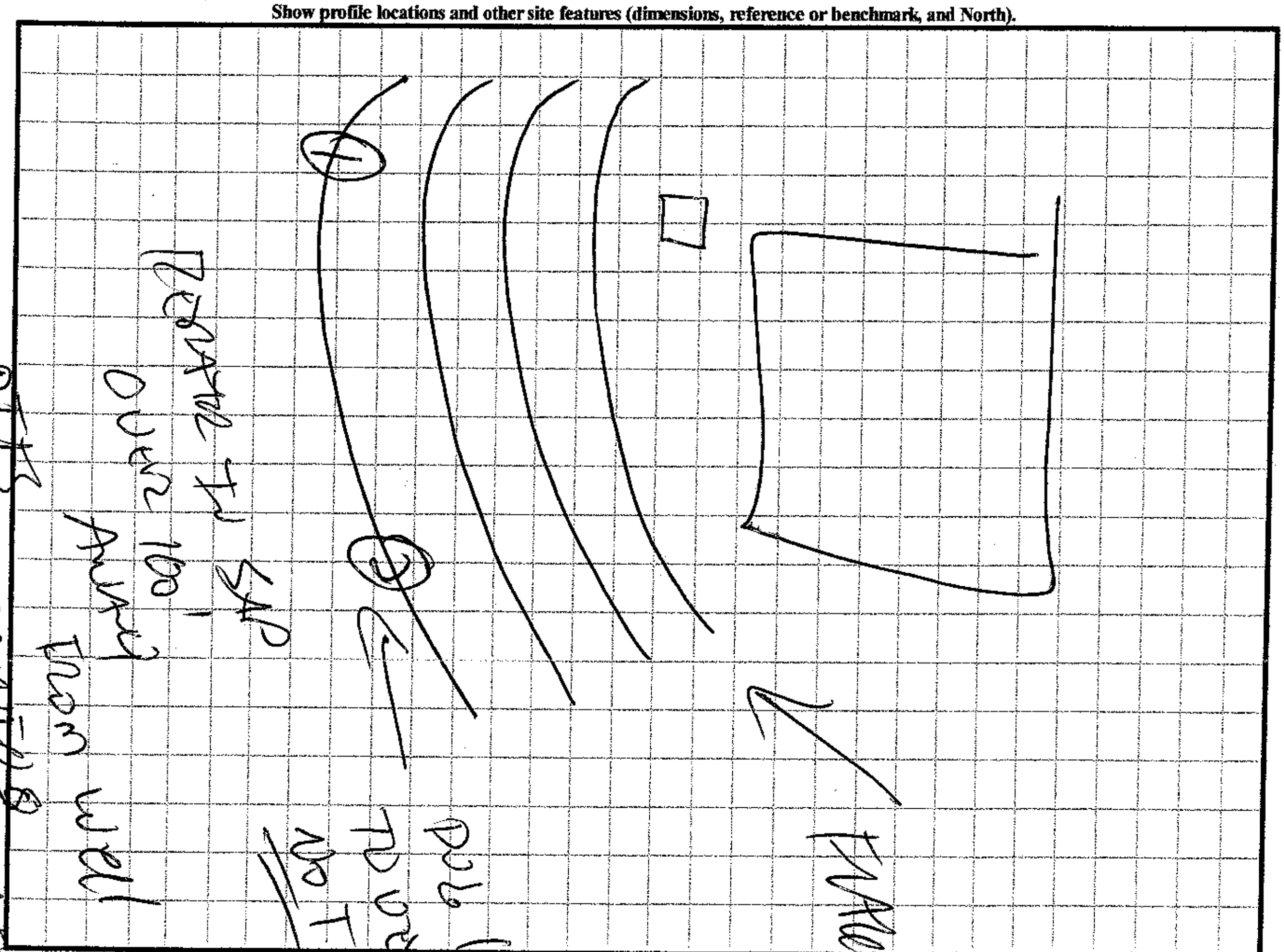
NOTES

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 1 of 1
PROPERTY ID #:
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Jacobs Woods, LLC
ADDRESS: Byers Road
PROPOSED FACILITY: 4 Bedroom House PROPOSED DESIGN FLOW (.1949): 480 gpd
LOCATION OF SITE: Byers Road Lot 35
APPLICATION DATE: 8/18/05
DATE EVALUATED: Jun/Aug 05
PROPERTY SIZE: 0.79 Acres
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	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
P 1	L/5-10	0-9	FWSBK/SCL	SS,SP,Fr,SExP	NA	51"	NA	NA	PS
		9-51	MSBK/C	SS,SP,Fr,SExP	few SaP Incl.				0.3
P 2	L/5-10	0-17	Gr/SL	NS,NP,Fr,SExP	NA	60"	PS	NA	PS
		17-32	FWSBK SCL	SS,SP,Fr,SExP	Common 5YR		32"		0.3
		32-60	M-SS/SL	NS,NP,Fr					
P 3	L/5-10	0-14	Gr/SL	NS,NP,Fr,SExP	NA	PS	U	26"	PS
		14-26	MSBK/C	SS,SP,Fr,SExP		26"			0.1
		26-45	M-SS/L	NS,NP,Fr					
P 4	L/5-10	0-16	Gr/SL	NS,NP,Fr,SExP	NA	48"	NA	NA	PS
		16-36	MSBK/C	SS,SP,Fr,SExP					0.3
		36-48	FWSBK/CL	SS,SP,Fr,SExP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	810 SF	810 SF
System Type(s)	PPBPS	PPBPS
Site LTAR	0.3 gpd/ft²	0.3 gpd/ft²

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Ashley Rollans, LSS
OTHER(S) PRESENT:

COMMENTS: LOWE COOK VERIFIED SOILS IN EXISTING PITS 6/7-12-05

SOIL/SITE EVALUATION

(Continuation Sheet)

Sheet 1 of 1

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #:
DATE OF EVALUATION: 5/4/2005
COUNTY: Iredell

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	
B4	L/5-10	0-13	Gr/SL	NS, NP, Fr, SEXP	NA	48"	PS 20"	NA	PS 0.3
		13-20	SBK/C	SS, SP, Fr, SEXP					
		20-48	MASS./LS	NS, NP, Fr, SEXP					
B5	L/5-10	0-10	Gr/SL	NS, NP, Fr, SEXP	NA	46"	NA	NA	PS 0.3
		10-32	SBK/C	SS, SP, Fr, SEXP					
		32-46	WSBK/CL	SS, SP, Fr, SEP					

COMMENTS: