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

Sheet ___ of ___
PROPERTY ID #: 153412
COUNTY: 4757467461

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

OWNER: GARY & SUSAN SLEEMAN APPLICATION DATE: 11-29-08
ADDRESS: PO BOX 1109 DENVER NC 28037 DATE EVALUATED: 12-18-08
PROPOSED FACILITY: 4BR HSE PROPOSED DESIGN FLOW (.1949): 480 PROPERTY SIZE: 5.740 ac
LOCATION OF SITE: MAPLE Creek 35/36 PROPERTY RECORDED: YES
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	L 20%	0-6"	CL WK SBK	fr SS SP SLP		24"	PS		PS .35
		6-24"	CL MOD SBK	fr SS SP SLP					
		24-60"	LOAMY SP WK GR	fr NSP NP					
			MICA FLAKES	throughout all profiles					
2	L 20%	0-6	CL WK SBK	fr SS SP SLP		30"	PS		PS .35
		6-30	CL MOD SBK	fr SS SP SLP					
		30-60"	LOAMY SAP WK GR	fr NSP NP					
3	L 20%	0-8	CL WK SBK	fr SS SP SLP		30"	PS		PS .3
		8-30	CL MOD SBK	fr SS SP SLP					
		30-65"	SL SAP WK GR	fr NSP NP					
4	L 20%	0-8	CL MOD SBK	fr NSP NP		30"	PS		PS .3
		8-30	C MOD SBK	fr SP SLP					
		30-70"	SL SAP WK GR	fr NSP NP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	YES	YES
System Type(s)	CONV 3S	SAME
Site LTAR	.3	.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948):
EVALUATED BY: L. COOK
OTHER(S) PRESENT: T. Frye
S. SLEEMAN

COMMENTS:

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

PROPERTY ID #: 475 14674
COUNTY: IREDELL

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: COUNTRY TYME APPLICATION DATE 11-4-08
ADDRESS: PO BOX 1109, DENVER NC DATE EVALUATED: 11-6-08
PROPOSED FACILITY: HOUSE PROPOSED DESIGN FLOW (.1949): 360 GPD PROPERTY SIZE: 2.57 ACRES
LOCATION OF SITE: HWY 21 N, 1.8 MILES, MAPLE CREEK SUB., LOT 35 PROPERTY RECORDED: YES
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	L PITS REQUIRED	0-7	SC WSBK	vfr, SeXp					P.S .35
		7-14	C WSBK	fr, SeXp					
		14-28	CL WSBK	fr, SeXp			SAP INCLUSIONS		
		28-48	SAP, SL						
2	L PITS REQUIRED	0-5	SC WSBK	vfr, SS, Sp, SeXp					P.S .35
		5-13	C WSBK	fr, SS, Sp, SeXp					
		13-30	CL WSBK	vfr SS, Sp, SeXp			SAP INCLUSIONS		
		30+	SAP, SL	vfr					
3	R PITS REQUIRED	0-6	SC WSBK	vfr, SeXp					P.S .35
		6-13	C WSBK	fr, SeXp					
		13-17	CL WSBK	vfr, SeXp			SAP INCLUSIONS		
		17-48	SAP, SL						
4	L PITS REQUIRED	0-6	SCL WSBK	vfr, SS, Sp, SeXp					P.S .35
		6-16	C WSBK	fr, SS, Sp, SeXp					
		16-36	CL WSBK	vfr, SS, Sp, SeXp			SAP INCLUSIONS		
		36-48	SAP, SL						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	P.S.	P.S.
System Type(s)	Type 3	Type 3
Site LTAR	.35	.35

OTHER FACTORS (.1946): NONE
SITE CLASSIFICATION (.1948): P.S.
EVALUATED BY: Kyle Baker
OTHER(S) PRESENT:

COMMENTS: System shall be installed on [illegible] contour

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

Sheet 2 of 2
PROPERTY ID #: 4757467460
COUNTY: IREDELL

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: COUNTRY TYME APPLICATION DATE 11-4-08
ADDRESS: PO BOX 1109, DENVER NC
PROPOSED FACILITY: HOUSE PROPOSED DESIGN FLOW (.1949): 360gpd DATE EVALUATED: 11-6-08
LOCATION OF SITE: HWY 21 N, 1.8 MILES, MARE CREEK SUB., LOT 35 PROPERTY SIZE: 2.57 ACRES
WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other PROPERTY RECORDED: YES
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut
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
(5) 1	L PITS REQUIRED	0-6	SC wSBK	vfr, SS, SP, SCXP					P.S. .35
		6-14	C wSBK	fr SS SP, SCXP					
		14-31	CL wSBK	vfr SS, SP, SCXP			SAP INCLUSIONS?		
		31-48	SAP, SL			48"			
2	Pit 1 Slight NS	0-6	SCL	vfr, SS, SP, SCXP					P.S. .25
		6-40	C, SAP INCLUSIONS	fr, SS, SP, SCXP					
		40-51	SAP, SL	vfr,					
		51-54	ROCK					51" ROCK	
3	Pit 2 NS	0-8	SCL wfsBK	vfr, SS, SP, SCXP		51"			P.S .25
		8-26	C mmABK	fr, SS, MP, SCXP					
		26-46	SAP, SL						
		46-54	CL wfsBK						
			↑ ≤ 50% ROCK						
4	Pit 3 L	0-4	SCL wfsBK	vfr SS, SP, SCXP		54"			P.S. .25
		4-16	CL mmABK	fr SS, SP, SCXP					
		16-25	C mmSBK	fr SS, SP, SCXP					
		25-60	SAP, SL	vfr		60"			

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	P.S.	P.S
System Type(s)	Type 3	Type 3
Site LTAR		

OTHER FACTORS (.1946): NONE
SITE CLASSIFICATION (.1948): P.S.
EVALUATED BY: Kyle Baker
OTHER(S) PRESENT:

COMMENTS: system shall be installed on contour

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTU
CC (Concave Slope) CV (Convex Slope) D (Drainage Way) DS (Debris Slump) FP (Flood Plain) FS (Foot Slope) H (Head Slope) L (Linear Slope) N (Nose Slope) R (Ridge) S (Shoulder Slope) T (Terrace)	I	S (Sand) LS (Loamy Sand)	1.2 - 0.8	0.6 - 0.4	NEXP (Non-expansive) SEXP (Slightly Expansive) EXP (Expansive)	G (Single Grain) M (Massive) CR (Crumb) GR (Granular) SBK (Subangular Blocky, ABK (Angular Blocky) PL (Platy) PR (Prismatic)
	II	SL (Sandy Loam) L (Loam)	0.8 - 0.6	0.4 - 0.3		
	III	SCL (Sandy Clay Loam) SiL (Silt Loam) CL (Clay Loam) SiCL (Silty Clay Loam) Si (Silt)	0.6 - 0.3	0.3 - 0.15		
	IV	SC (Sandy Clay) SiC (Silty Clay) C (Clay) O (Organic)	0.4 - 0.1 None	0.2 - 0.05		

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.**

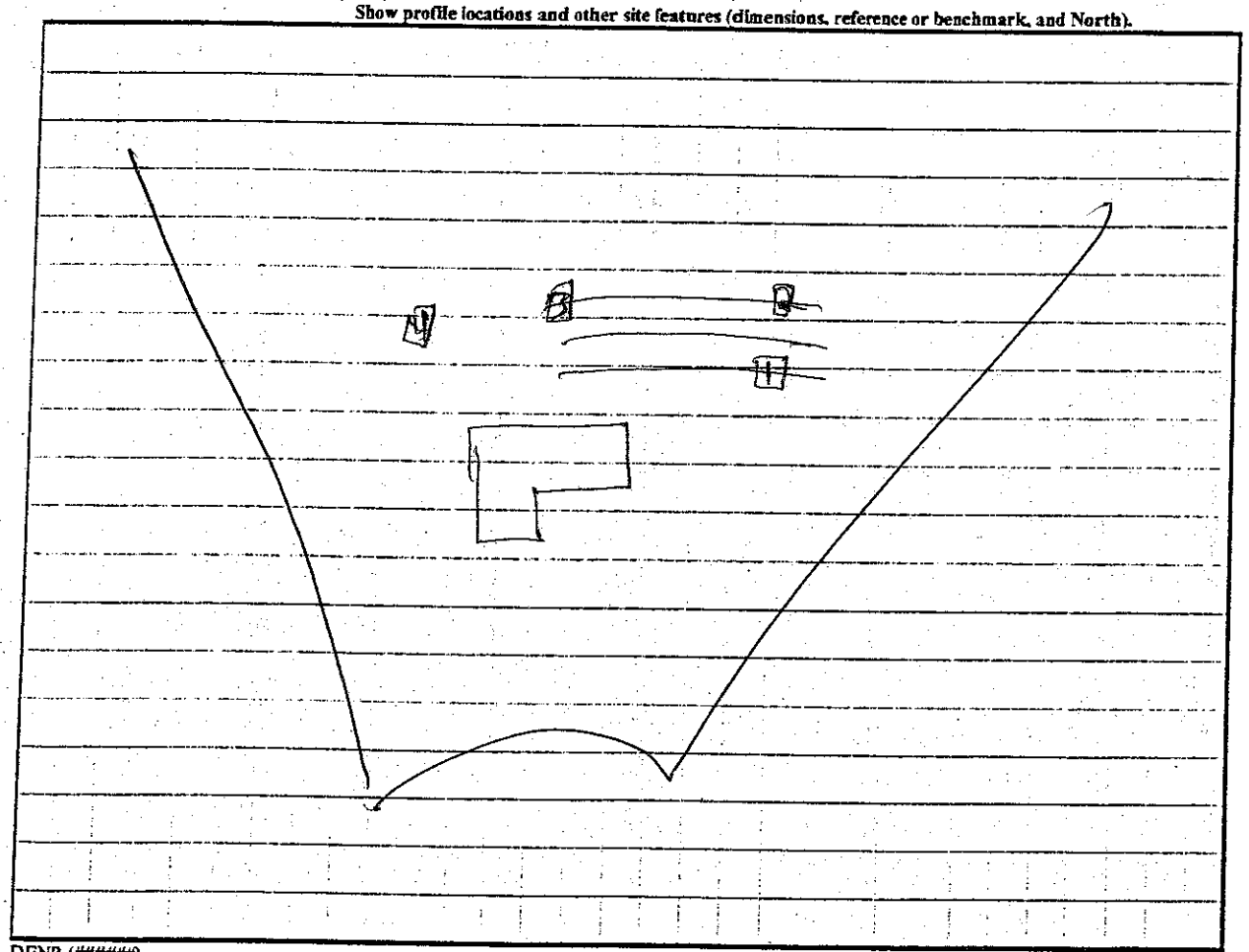
NOTES

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 (#####)