DENR/DEH

ON-SITE WASTEWATER SECTION

Sheet 1 of 2
PROPERTY ID #: 9549
COUNTY: IREDELL

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: AMBER BAXTER
ADDRESS: 197 SPRINGTIME LN. MOORESVILLE NC
PROPOSED FACILITY: SFR
PROPOSED DESIGN FLOW (.1949): 360 GPD
LOCATION OF SITE: SAME
WATER SUPPLY: ☐ Private ☐ Public ☑ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut

APPLICATION DATE
DATE EVALUATED: 7/14/15
PROPERTY SIZE: 1.460 ACRE
PROPERTY RECORDED:
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
A1	LL 10%	0-6	BSCL, WSBK	FR,SS,SP	N/A	25"	F-C SAP IN LL 10"-25" MASS SAP 25+	N/A	.275
		6-25	BC, ABK/MOL	" " "					
		25"+	SL SAP	VFR,SS,SP					
A2	LL 10%	0-3	BSCL		CHROMA 2's 24"-48" WORSENING W/ DEPTH	24"	U	25"	U
		3-24"	~~BC~~ CL, ABK	FR/FI, SS,SP					
		25"-48"	CL SAP	FR,SS,SP					
A3	LL 5%	0-9	BSCL, WSBK	FR,SS,SP	N/A.	36"	PS C-M SAP IN LL 30-36"	~~N/A~~ N/A	.275
		9-30	BRCL, ABK/ASK	FR,SS,SP					
		30-36	BRCL, SBK	FR,SS,SP					
		37"	MASS SAP	FR,SS,SP					
P1	LL 3%	0-3	TBSCL		N/A	36"	PS C-M SAP IN LL 23"-36"	N/A	.275 ABOVE 36"
		3-23	BC, ABK	FR,SS,SP					
		23-36	BCL, WSBK	" " "					
		36-52	SL SAP	VFR,SS,SP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	APPROVED	APPROVED
Site LTAR	.275	.275

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: SHANE CASHION
OTHER(S) PRESENT: LAND OWNER

COMMENTS:

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
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	Si (Silt) SiCL (Silty Clay Loam) CL (Clay Loam) SCL (Sandy Clay Loam) SiL (Silt Loam)	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 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)

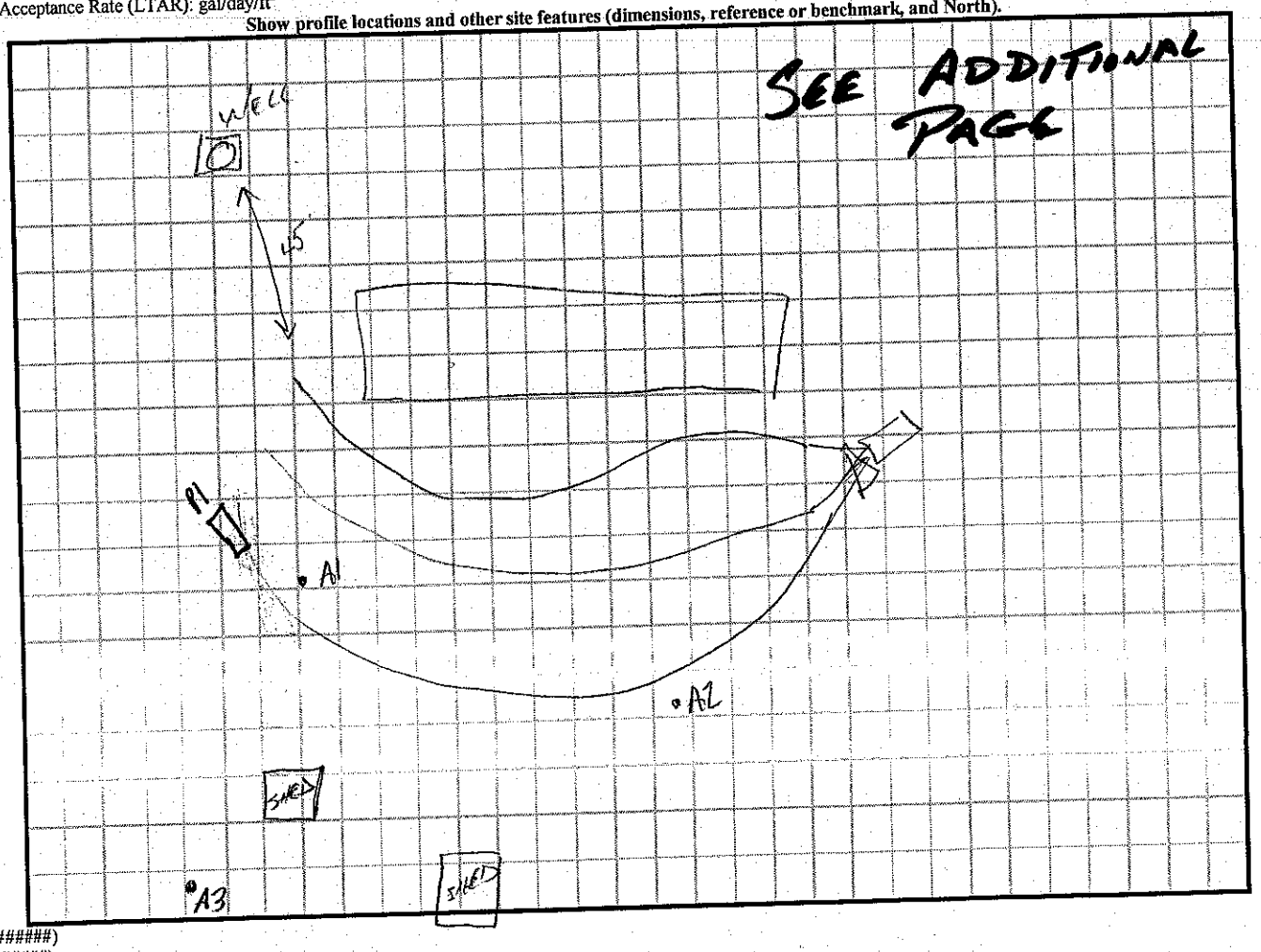
SOIL WETNESS Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation

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 (#####)

* AUGER BORING LOCATIONS

* SOILS NOTES

2/2

B 48'

W 39

1"=50'

