S&ME, INC.
SITE/SOIL EVALUATION

Project No. 08-046 **Phone No.** _____ **Date:** 8/20/08
Location Lot 32 **Pin** _____ **County:** Iredell **Property Size** _____

Proposed Facility: 4 BDR **Water Supply:** **On-Site Well** ☐ **Evaluation:** **Auger Boring** ☐
Described By: KMS **Community** ☐ **Pit** ☒
Public ☒ **Cut** ☐

Weather: Mid 80's, Sunny **Antecedent Moisture** Dry **Surface Water:** None

FACTORS	PROFILE 1	PROFILE 2	PROFILE 3	PROFILE 4
Landscape Position %	L	L	L	L
Horizon Depth I	Ave. 28"	0-8	0-5	0-5
Color Munsell	soil	Br	Br	Br
Texture		SL	GR SL	SL
Mottles	>50% Rock	—	—	—
Structure	in pit	mo GR	mo GR	mo GR
Consistence	AROUND	FR ns/np	FR ns/np	FR ns/np
	Large vein			
	@28" Cr			
	(Rounded			
Boundary	Rock w/ soil			
Horizon Depth II	inclusions)	8-32	5-27	5-29
Color – Munsell		Red	Red	Red
Texture		C	C	C
Mottles	0-16	F sap & WR	—	—
Structure	Br	Mo SBK	Mo SBK	mo SBK/WK ABK
Consistence	SL	FR SS/SP	FR SS/SP	FR SS/SP
	mo GR			
	FR SS/np			
Boundary				
Horizon Depth III	16-28	32-50	27-48	29-48
Color – Munsell	Red	Red	Red	Red
Texture	C	CL	CL	CL
Mottles	m/c Rock	C sap, F WR	F sap	F sap
Structure	WK SBK	WK SBK	WK SBK	WK SBK
Consistence	FR SS/SP	Fi/FR SS/SP	Fi/FR SS/SP	Fi/FR SS/SP
Boundary				
Horizon Depth IV	28-48			
Color – Munsell	Red			
Texture	C			
Mottles	c Rock			
Structure	WK SBK			
Consistence	FR SS/SP			
Boundary				
Soil Wetness				
Restrictive Horizon				
Saprolite	0.15-0.20			
LTAR		0.3	0.3	0.3
Classification				

* Rock Appears To be in large band or vein.

LEGEND

LANDSCAPE POSITION

R	Ridge Interfluve
S	Shoulder
L	Linear Slope
FS	Foot Slope
N	Nose Slope
H	Head Slope
Cc	Concave Slope
Cv	Convex Slope
T	Terrace
P	Flood Plain

TEXTURE

s	sand
ls	loamy sand
sl	sandy loam
l	loam
si	silt
sil	silt loam
sicl	silty clay loam
cl	clay loam
scl	sandy clay loam
sc	sandy clay
sic	silty clay
c	clay

CONSISTENCE WET

Ns	non-sticky
Ss	slightly sticky
S	sticky
Vs	very sticky
Np	non-plastic
Sp	slightly plastic
P	plastic
Vp	very plastic

MOIST

vfr	Very friable
fr	friable
fi	firm
vfi	Very firm

STRUCTURE

sg	single grain
ma	massive
cr	crumb
gr	granular
sbk	subangular blocky
abk	angular blocky
pl	platy
pr	prismatic

)ENR/DEH

)N-SITE WASTEWATER SECTION

Sheet ____ *of* ____
PROPERTY ID #: _____
COUNTY: _____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

)WNER: _____ APPLICATION DATE _____
.DDRESS: _____ DATE EVALUATED: _____
ROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
OCATION OF SITE: _____ PROPERTY RECORDED: _____
/ATER SUPPLY: • Private • Public • Well • Spring • Other _____
VALUATION METHOD: • Auger Boring • Pit • Cut TYPE OF WASTEWATER: • Sewage • Industrial Process • Mixed

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	
	A	0-14	Wk, Gr, SL	Fr, SS, NP	(Brwn) M-1"-3" Cobbles				0.25 – 0.30
		14-49	Wk, Sbk, C	Fr, SS, SP	(Red) F-Relict Yellow mottles around rock C-M-2"-6" Cobbles				
									LAR ≥ 38" Trench Depth
	B	0-16	Wk, Gr, SL	Fr, SS, NP	(Brwn)				0.275 – 0.30
		16-49	Wk, Sbk, CL	Fr, SS, SP	(Red) C-1"-2" Cobbles				

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
vailable Space (.1945)		
ystem Type(s)		
ite LTAR		

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

)MMENTS: _____