SOIL/SITE EVALUATION

(Continuation Sheet)

Sheet ____ of ____

EPARTMENT OF ENVIRONMENT
ND NATURAL RESOURCES
IVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: _____
DATE OF EVALUATION: _____
COUNTY: _____

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 15-7%	0-8	WSBK - SCL	fr SS/SP	br	F gravel			PS .3 LTAR 34%
		8-18	WSBK - C	fr SS/SP	red F mott				
		18-34	MSBK - C/C	fr SS/SP	red				
				Hard Rock	- Rock	restrict	34"	OK	
2	L ~1+2	0-8	WSBK - SCL	fr SS/SP	br				PS .2 LTAR 36
		8-18	WSBK - SCL	fr SS/SP	F mottled red				
		18-34	WSBK - SCL	fr SS/SP	yell red		C SAP seep 18" depth	OK	
	Pit 19	0-20	Gr/SBK SCL	Fr SS/SP	Br Yell/red				PS 0.25-0.3
		20-48	W SBK SCL	Fr SS/SP				OK	
	B	0-6	Gr SCL	Fr/SS/SP					PS 0.3
		6-43	M-W SBK CL	Fr SS/SP				OK	
	C	0-10	Gr SCL	Fr SS/SP					PS 0.25
		10-20	W SBK CL/C	Fr SS/SP	F - Yell. WR/SAP				
		20-42	W SBK CL	Fr SS/SP	C - Yell. WR/SAP			OK	

OMMENTS: _____

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: LOT 1 PROPERTY RECORDED: _____
ATER SUPPLY: • Private • Public • Well • Spring • Other _____
/ALUATION METHOD: • Auger Boring • Pit • Cut TYPE OF WASTEWATER: • Sewage • Industrial Process • Mixed

.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	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
A	0-8	Gr scl	Fr SS/SP	Red-Yell.				< 24" Drip/LPP OK
	8-24	W SBK C/C	Fr SS/SP					
	24+	Chrom-2						

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: _____

S&ME, INC.
SITE/SOIL EVALUATION

Project No. _____ **Phone No.** _____ **Date:** _____
Location Lot 1 **Pin** _____ **County:** _____ **Property Size** _____

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

Weather: _____ **Antecedent Moisture** _____ **Surface Water:** _____

PITS

FACTORS	PROFILE 1	PROFILE 2	PROFILE AH 3	PROFILE AH 4
Landscape Position %		L, ~14%		
Horizon Depth I	0 - 5	0 - 6	0 - 5	0 - 4
Color Munsell	Brwn	Dk. Brwn	DK. Brwn	Brwn
Texture	SL	SL	SL	SL
Mottles	—	—	—	—
Structure	Mo, Gr	Mo, Gr	Mo, Gr	Mo, Gr
Consistence	Fr, NS, NP	Fr, NS, NP	VFr, NS, NP	Fr, SS, NP
Boundary				
Horizon Depth II	5 - 31	6 - 30	5 - 33	4 - 26
Color – Munsell	Red	Red	Red	Red
Texture	C	C	C	C
Mottles	F - Yell. W.R.	—	—	F - Brwn (Mn)
Structure	Mo, Sbk/Abk	Wk, Sbk	Mo/Wk, Sbk	Mo/Wk, Sbk
Consistence	Fr, SS, SP	Fr, SS, SP	Fr, SS, SP	Fr, SS, SP
Boundary				
Horizon Depth III	31 - 50	30+	33 - 48	26 - 48
Color – Munsell	Red	US	Yell.-Brwn	Red
Texture	CL	C - M	SC/C	CL
Mottles	C - Sap. & Yell. WR	Chroma 2	C - M. Chroma 2	F - Yell.-Brwn.
Structure	Mo, Sbk	+ Yell./Brwn	Wk, Abk	Wk, Sbk
Consistence	Fr, SS, SP		Fr, SS, SP	Fr, SS, SP
Boundary	* 28"+ in			
Horizon Depth IV	one corner of		OK	OK
Color – Munsell	pit W.R. Vein			
Texture		OK		
Mottles				
Structure				
Consistence	OK			
Boundary				
Soil Wetness				
Restrictive Horizon				
Saprolite		< 30"	< 33"	
LTAR	0.25 - 0.30	0.25	0.25	0.25
Classification		> 30" US	> 33" = NS	

Pit A: soil @ bottom in ≥ 50% of pit

Pit by AHC 0-76" PS

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

S&ME, INC.
SITE/SOIL EVALUATION

Project No. _____ **Phone No.** _____ **Date:** _____
Location _____ **Pin** _____ **County:** _____ **Property Size** _____

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

Weather: _____ **Antecedent Moisture** _____ **Surface Water:** _____

FACTORS	PROFILE 5	PROFILE	PROFILE	PROFILE
Landscape Position %	L			
Horizon Depth I	0-4			
Color Munsell	BR			
Texture	SL			
Mottles	–			
Structure	Mo GR			
Consistence	FR nsl/np			
Boundary				
Horizon Depth II	4-34			
Color – Munsell	Red			
Texture	C			
Mottles	F WR			
Structure	Mo SBK			
Consistence	FR SS/SP			
Boundary				
Horizon Depth III	34-48			
Color – Munsell	Red			
Texture	CL			
Mottles	F/C SAP			
Structure	WK SBK			
Consistence	FR SS/SP			
Boundary				
Horizon Depth IV				
Color – Munsell				
Texture				
Mottles				
Structure				
Consistence				
	OK			
Boundary				
Soil Wetness				
Restrictive Horizon				
Saprolite				
LTAR	0.3			
Classification				

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