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

Sheet ___ of ___
PROPERTY ID #: 1447370
COUNTY: 47106566 84

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Applicant
OWNER: Shannon Myers
ADDRESS: 129 Singleton RD MOORESVILLE NC 28117
PROPOSED FACILITY: 5 BR HSE
PROPOSED DESIGN FLOW (.1949): 600
LOCATION OF SITE: RT SETZER ESTATES II
WATER SUPPLY: ☐ Private ☐ Public ☒ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

APPLICATION DATE 8-14-07
DATE EVALUATED: 9/6/07
PROPERTY SIZE: 1.48 AC
PROPERTY RECORDED: YES

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	2-4%	0-20"	loam/SL wkg-frasprup						
		20-48"	loamy saprolite wkg-frasprup			20"			US
					NEED PITS / NOT ENOUGH ROOM				
2							DUE TO TOPO		
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	NO	NO
System Type(s)		
Site LTAR		

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): RS
EVALUATED BY: L. COOK
OTHER(S) PRESENT: S. MYERS T. PRUE

COMMENTS: LOT DOES NOT NEED REPAIR; NOT ENOUGH ROOM BECAUSE OF WASHOUTS + GULLIES THRU OUT LOT; SUBMITTED Pretreat/Discharge Application

871-3485

S&ME, INC.
SITE/SOIL EVALUATION

Project No. Shannon Phase 3 **Phone No.** _____ **Date:** 3-26-08
Location Sunny Rd. **Pin** _____ **County:** Person **Property Size** 0.4ac

Proposed Facility: 4 Res **Water Supply:** On-Site Well ☑ Community ☐ Public ☐ **Evaluation:** Auger Boring ☐ Pit ☑ Cut ☐

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

FACTORS	PROFILE 1	PROFILE 2	PROFILE 3	PROFILE 4
Landscape Position %				
Horizon Depth I	0-10	0-17	0-10	0-5
Color Munsell	10YR 5/3	10YR 5/4	10YR 5/4	10YR 5/6
Texture	sl sap	sl sap	sl sap	sl
Structure	gr	gr	gr	gr
Consistence	fr/ns/sp	fr/ss/sp	fr/ss/sp	fr/ss/sp
Boundary				
Horizon Depth II	C Hor	17-42		5-19
Color – Munsell	10YR	10YR 5/6		10YR 5/8
Texture		sl sap		sl
Mottles	60%			Many C
Structure		m		sg sap
Consistence		fr/ss/ps		fr/ss/sp
Boundary				
Horizon Depth III		42-72		19-108+
Color – Munsell				10YR 5/6
Texture		fs/sap		sl sap
Mottles		Few		Few/Com 5YR
Structure		m		m sg
Consistence		fr/ss/sp		fr/ss/sp
		72" Comp		
Boundary		soil on		
Horizon Depth IV		bedrock		
Color – Munsell				
Texture				
Mottles				
Structure				
Consistence				
Boundary				
Soil Wetness				
Restrictive Horizon				
Saprolite	0"			
LTAR	.4-.5	.4-.5	.5	.4-.5
Classification	PS	PS	PS	PS

Desc. w/ Comp Soils

LEGEND

LANDSCAPE POSITION

R	Ridge Interfluve
S	Shoulder
L	Linear Slope
S	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

vfi	Very friable
fr	friable
fi	firm
vfi	Very firm

STRUCTURE

sg	single grain
m	massive
cr	crumb
gr	granular
sab	subangular blocky
ab	angular blocky
pl	platy
pr	prismatic

S&ME, INC.
SITE/SOIL EVALUATION

oject No. Sharon Moore Phone No. _____ Date: _____
cation _____ Pin _____ County: _____ Property Size _____

oposed Facility: _____ Water Supply: On-Site Well ☐ Community ☐ Public ☐ Evaluation: Auger Boring ☐ Pit ☐ Cut ☐

eather: _____ Antecedent Moisture _____ Surface Water: _____

CTORS	PROFILE 5	PROFILE	PROFILE	PROFILE
ndscape Position %				
rizon Depth I	0-12			
lor Munsell				
xture				
ucture				
nsistence				
undary				
rizon Depth II	12-30			
lor – Munsell				
cture				
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nsistence				
ndary				
izon Depth III	30+			
or – Munsell				
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ttles				
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sistence				
ndary				
izon Depth IV				
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Wetness				
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R				
ification	KS			

LEGEND

LANDSCAPE POSITION

R	Ridge Interfluve
S	Shoulder
L	Linear Slope
S	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

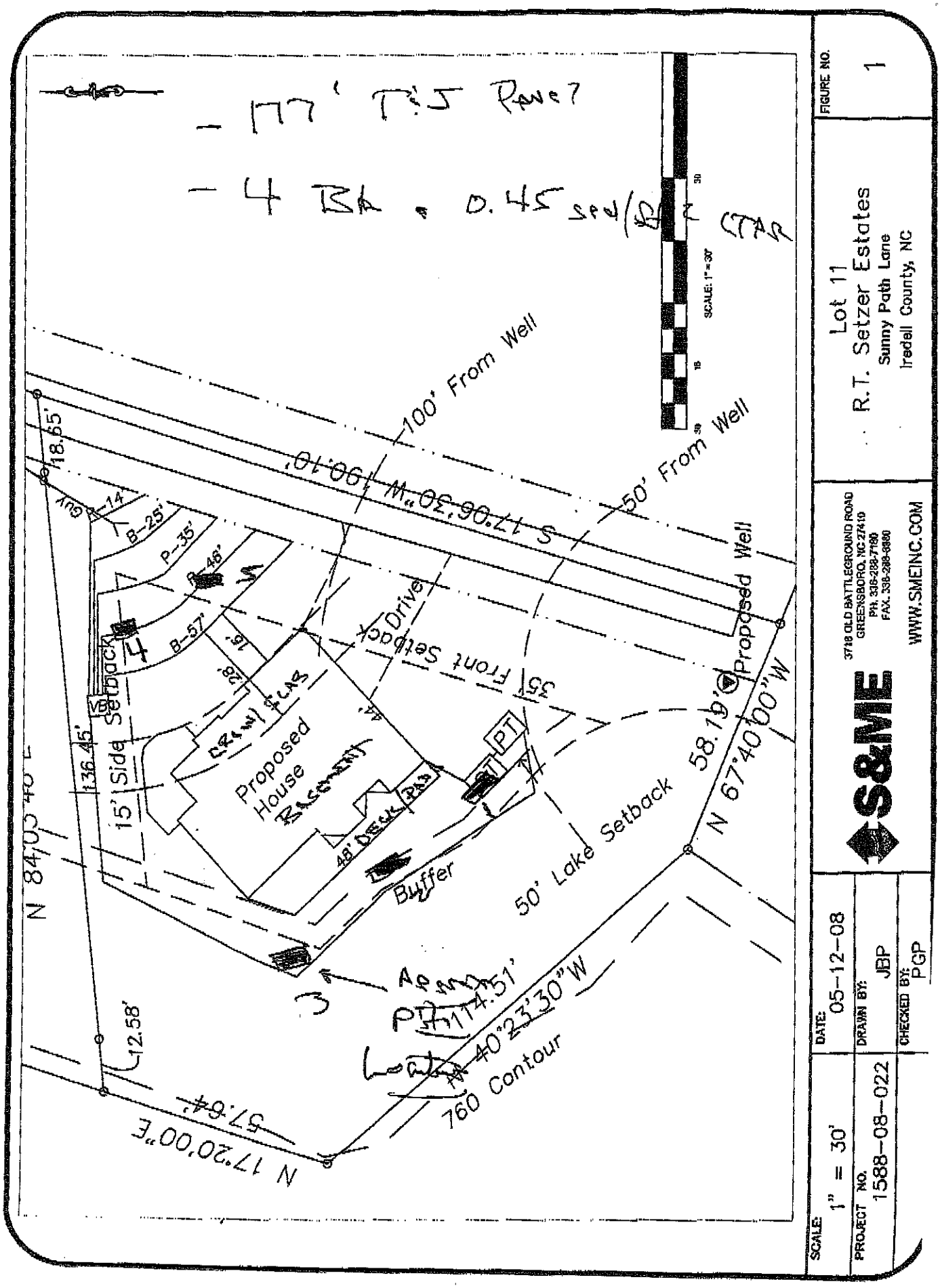
Ns	non-sticky
Ss	slightly sticky
S	sticky
Vs	very sticky
Np	non-plastic
Sp	slightly plastic
P	plastic
Vp	very plastic

MOIST

vfr	Very friable
fr	friable
fi	firm
vfi	Very firm

STRUCTURE

sg	single grain
m	massive
cr	crumb
gr	granular
sab	subangular blocky
ab	angular blocky


- 177' T.S Pave?
- 4 BR . 0.45 sep/BR + GAP
SCALE: 1" = 30'
100' From Well
50' From Well
Proposed Well
S 17°06'30" W 90.10'
18.65'
Guy
B-14
B-25'
P-35'
B-46'
B-57'
4
Setback
15' Side Setback
136.45'
35' Front Setback
Drive
Proposed House Basement
48' Deck
PT
Buffer
50' Lake Setback
58.19'
N 67°40'00" W
N 84°05'40" E
12.58'
57.64'
N 17°20'00" E
3
PT 1174.51'
40°23'30" W
760 Contour
Lot 11
R.T. Setzer Estates
Sunny Path Lane
Iredell County, NC
FIGURE NO. 1
S&ME
3718 OLD BATTLEGROUND ROAD
GREENSBORO, NC 27410
PH. 336-288-7180
FAX. 336-288-8880
WWW.SMEINC.COM
SCALE: 1" = 30'
DATE: 05-12-08
PROJECT NO. 1588-08-022
DRAWN BY: JBP
CHECKED BY: PGP