S&ME, INC.
SITE/SOIL EVALUATION

2/2

Project No. 15GA-12-080 **Phone No.** _____ **Date:** 7-25-12
Location Point 95's - **Pin** _____ **County:** _____ **Property Size** _____

Proposed Facility: 5 bdr House **Water Supply:** On-Site Well ☐ Community ☒ Public ☐ **Evaluation:** Auger Boring ☐ Pit ☒ Cut ☐
Described By: PGP - Rev. ICHD
Weather: Hot **Antecedent Moisture** Dry / much **Surface Water:** —

FACTORS	PROFILE 5	PROFILE 6	PROFILE 7	PROFILE 8
Landscape Position %	Ridge Nose ~10%	C/N ~10%	C/N ~10%	C/N ~10%
Horizon Depth I	0-17	0-12	0-13	0-13
Color Munsell	BR	fill		nd
Texture	scl			C
Structure	gr	Looks like	Same	mf sbk
Consistence	fr	Orange soil		fi sl/p
	ss/sp	w/ some		somewhat
				comp.
Boundary	Irr	Abrupt SE		
Horizon Depth II	17 - 52	12 - 30	13 - 30	13 - 30
Color – Munsell	nd	nd (mtld)	Compacted	nd
Texture	C	C	Same	C
Mottles	f-c gd(fe)	(compacted)		f SDC
Structure	mf SBk/ABk	mmABk		mf SBk/ABk
Consistence	fi sl/p -	fi sl/p		fr sl/p
	fr fr/sc			
Boundary				
Horizon Depth III			30 - 52	52 - 54
Color – Munsell		3 - 53	nd	yel nd
Texture		nd	C	C
Mottles		C	mf SBk/ABk	C SDP
Structure		mWSBk/ABk	fi - fr sl/p - SBP	WSBk
Consistence		fi sl/p - fr	fr SBP	fr fr/sc
		fr SBP		
		fi/pl L		
Boundary				
Horizon Depth IV	Auger Refusal ⇒	53 - 65	52+76	54 - 90
Color – Munsell		yel nd	yel nd	mc
Texture		C	C - scl	l - sl SPr
Mottles		f SDP	c SDC	mpSS
Structure		WSBk	WSBk	fr SBk
Consistence		fr sb/sc	fr sb/sc	
				Bdrock wR
Boundary				
Soil Wetness				
Restrictive Horizon				
Saprolite				
LTAR	.25 max	.25 @ ~48"	.3-3+	.3 13+
Classification	PS	PS	PS	PS

Repair 48" TB to place below fill & compacted soil

Approved ICHD 8-3-12

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

MOISTURE
- vfr Very friable
- fr friable
- fi firm
- vfi Very firm

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

S&ME, INC.
SITE/SOIL EVALUATION

Project No. 1586-12-0[illegible] **Phone No.** _____ **Date:** 7-25-12
Location Point Lot 9 ~55' **Pin** _____ **County:** Iredell **Property Size** 1.77 Ac

Proposed Facility: SFD must be **Water Supply:** On-Site Well ☐ Community ☒ Public ☐ **Evaluation:** Auger Boring ☐ Pit ☒ Cut ☐
Described By: RPS - Rev. by ICHD during Fast Track Edit **Weather:** Hot **Antecedent Moisture** Dry / moist **Surface Water:** —

FACTORS	PROFILE 1	PROFILE 2	PROFILE 3	PROFILE 4
Landscape Position %	C ~10%	C	C	C by Hd
Horizon Depth I	0 - 17 AB	0 - 12	0 - 12	0 - 7
Color Munsell	rd br	rd		br
Texture	cl	c		scl
Structure	mf sbk	mf sbk	Stnl	wsbk
Consistence	fi slp	fi slp		fr sfse
		compact		
Boundary				
Horizon Depth II	17 - 31	12 - 26	12 - 35'	7 - 25
Color – Munsell	rd			
Texture	cl			
Mottles	mf sbk/abk	Same	Stnl	Stnl
Structure	fi, coll fm/ sap			
Consistence	fi slp			
Boundary				
Horizon Depth III	31 - 54	26 - 46	35' - 50	25' - 50
Color – Munsell	yell rd			
Texture	cl			
Mottles	c sap	Same	Stnl	Stnl
Structure	wsbk			
Consistence	fr sfse			
Boundary				
Horizon Depth IV				
Color – Munsell				
Texture				
Mottles				
Structure				
Consistence				
Boundary				
Soil Wetness				
Restrictive Horizon				
Saprolite				
LTAR	.3, .36	.25-.3	.25-.3	.25-.3
Classification	PS	PS	PS	PS

Approved ICHD 8-3-12

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

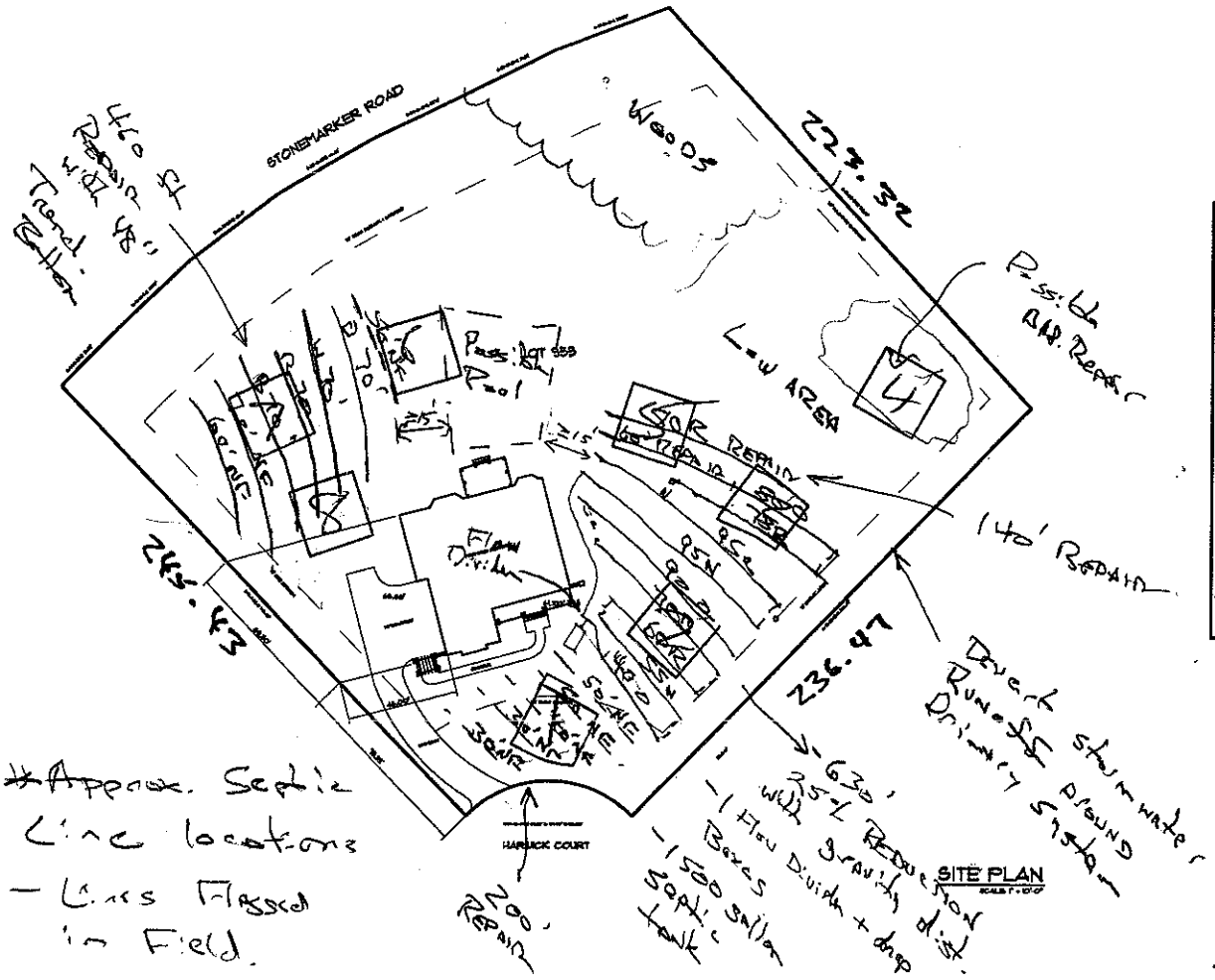
MOIST

vfr	Very friable
fr	friable
fi	firm
vfi	Very firm

STRUCTURE

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

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PROJECT:
Cyrus Custom Homes
LOT 955, HARWICK COURT
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DRAWN BY: JJBARJA/ELEACH
DATE: 06/14/2012
REVISED: 07/17/12
SHEET 1 OF 14

*Approx. Septic Line locations
- Lines Flagged in Field.

Approx Backhoe Pit Locations

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

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

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

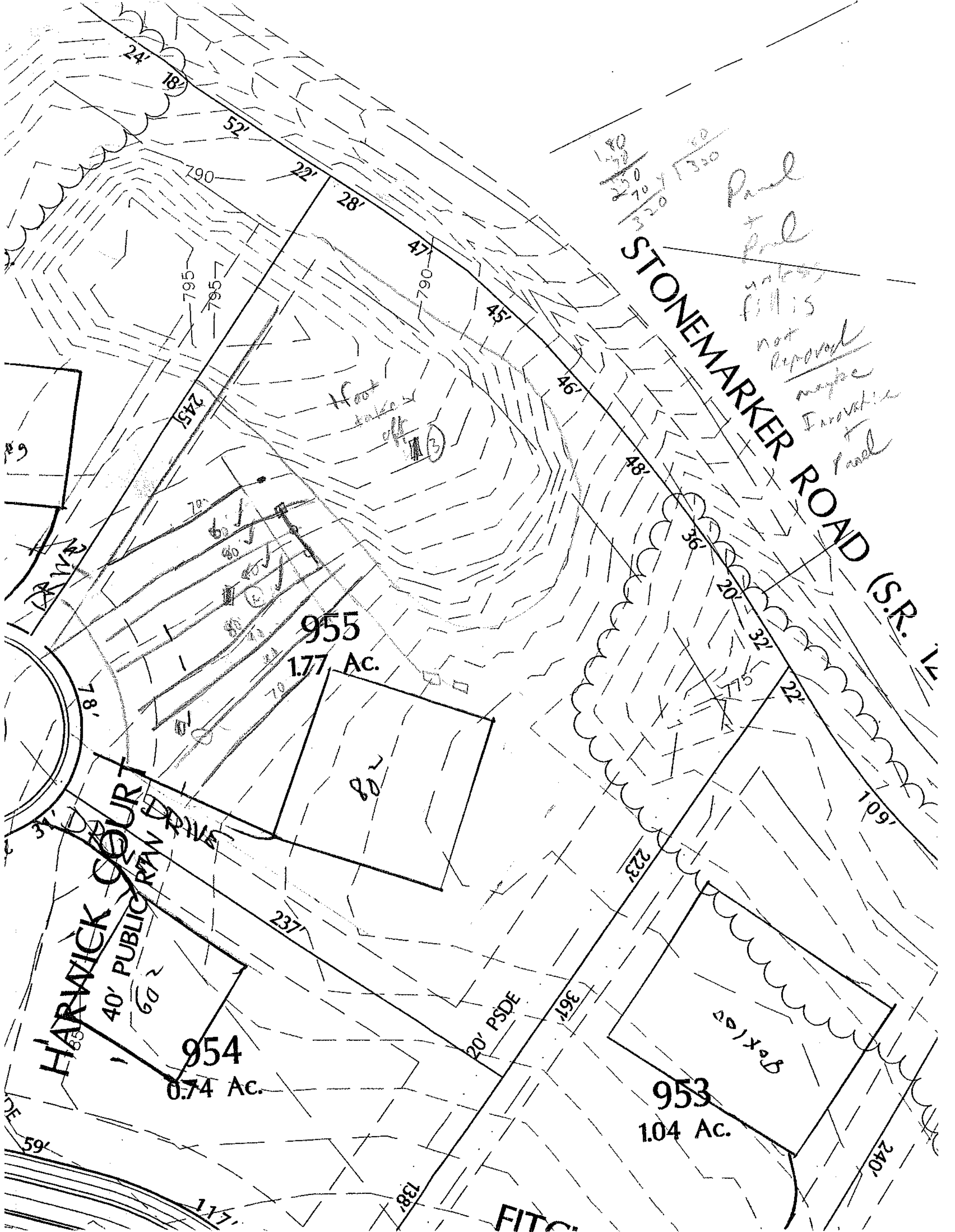
OWNER: _____ APPLICATION DATE _____
ADDRESS: _____ DATE EVALUATED: _____
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
LOCATION OF SITE: 955 Point PROPERTY RECORDED: _____
WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LAND-SCAPE POSITION/ SLOPE %	HORI-ZON 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
1		0-11	RDSCL soil temp fr SSSP						PS .25
		11-43	VF mark	fri: SP	few MB/SAP	@ 43"			
2	II	0-8	SSCL GR	fri					PS 3
		8-24	MF ABK C	fri	few MB				
		24-44	RCL msmk	fri SSSP	few SAP				
3		0-20	f. fl						PS 3
		20-60	RC CL msbk fri	SSSP	few SAP				
4									

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

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

COMMENTS: _____


STONEMARKER ROAD (S.R.
HARWICK COURT
40' PUBLIC R/W
955
1.77 Ac.
954
0.74 Ac.
953
1.04 Ac.
20' PSDE
24'
18'
52'
22'
28'
47'
45'
46'
48'
36'
20'
32'
22'
109'
223'
361'
237'
245'
78'
31'
59'
117'
138'
240'
790
795
775