Paid $195.00 DH
Int-Relayout
2-21-14

IREDELL COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
PAGE 1: *APPLICATION FORM*

Application For:
(X) Septic Improvement Permit ( ) New Well Permit ( ) Authorization to Construct ( ) Well Repair Permit ( ) Existing System Inspection ( ) Well Abandonment ( ) Septic System Repair

THE ABOVE PERMIT DOCUMENTS WILL BECOME INVALID IF INFORMATION PROVIDED ON THIS APPLICATION IS FALSIFIED OR CHANGED, OR IF THE SITE IS ALTERED. THE IMPROVEMENT PERMIT IS VALID FOR EITHER 60 MONTHS OR WITHOUT EXPIRATION DEPENDING UPON DOCUMENTATION SUBMITTED APPLICATION WITH SITE PLAN 60 MONTHS, APPLICATION WITH COMPLETE, SCALED PLAT WITHOUT EXPIRATION. SEE 15A NCAC 18A .1937(f) FOR DETAILS.

Page 2: *Site Plan Worksheet* form MUST accompany this application

The following optional attachments may also be submitted: (X) Survey Plat, scaled no more than 1 inch = 60 feet
Place an (X) beside whichever is submitted if applicable ( ) Custom Site Plan, scaled no more than 1 inch = 60 feet

Applicant Information:

Applicant Name: Ben Hester Homes Inc **Address:** 184 N Main St Waynesville NC 28786 **Phone:** 828-246-9086

Owner Name: Same **Address:** _____ **Phone:** _____

Property Information:

Street Address: 257 Cove Crk Cp

Subdivision Name: Cove at Chesapeake Pt **Section/Phase:** _____ **Lot Number:** 43

Driving Directions: BSR, TL Isle of Pines, TR Cove Crk, on Rt

Site Development Information: *(check or complete ALL that apply)*

(X) New Single Family Residence
( ) New Multi-Family Residence
( ) Accessory Building
( ) Bedroom(s) Addition

Maximum Number of Bedrooms: 4
Maximum Number of Occupants: _____
( ) Swimming Pool
( ) Other Addition/Structure: _____

(X) Crawl Space Foundation
( ) Concrete Slab Foundation
( ) Basement with Plumbing
( ) Basement without Plumbing

Non-Residential Site Development:
Type of Business: _____
Square Footage of Building: _____
Maximum Number of Employee: _____
Maximum Number of Seats/Beds/Other: _____

Water Supply:

(X) New Well ( ) Existing Well (X) Community Well ( ) City Water ( ) Other Public Water

Desired Septic System Type: *(you may rank in order of preference)* **Year existing system installed:** _____

( ) No Preference ( ) Alternative ( ) Conventional (X) Innovative ( ) Modified Conventional ( ) Other: _____

Please answer the following to the best of your ability:

( ) Yes (X) No **Does the site contain any jurisdictional wetlands?**
( ) Yes (X) No **Is any non-domestic sewage (i.e. industrial) to be generated?**
( ) Yes (X) No **Is the site subject to approval by any other public agency?**

I have read this application and certify that the information provided herein is true, complete, and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed.

Signature: _____ 2/21/2014
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

IREDELL COUNTY HEALTH DEPARTMENT

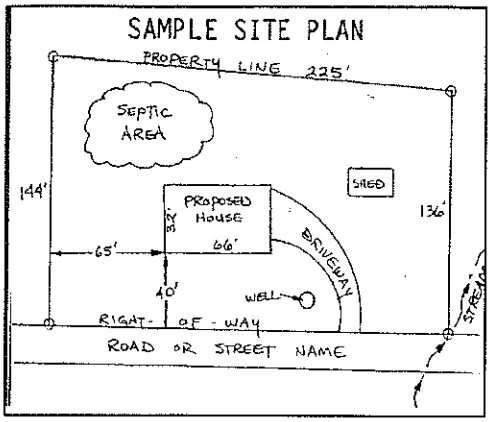
ENVIRONMENTAL HEALTH DIVISION

PAGE 2: *SITE PLAN WORKSHEET*

SEE THE "SAMPLE SITE PLAN" BELOW. *INCOMPLETE SITE PLANS WILL BE RETURNED TO YOU FOR COMPLETION AND MAY RESULT IN A DELAY IN THE ISSUANCE OF YOUR SEPTIC SYSTEM PERMIT!!!*

Place an (X) beside each item as you complete the site plan:

- (X) Property Line measurements are clearly identified
- (X) All proposed structures are indicated
- (X) Front and side setbacks from property line
- ( ) Preferred driveway location and well location
- ( ) Area you prefer your septic system to be placed
- ( ) North arrow, or other sufficient indicator of direction



Circle N/A on the following if appropriate:

Location of septic systems and wells within 100' of your property	N/A
Location of easements and rights of ways on your property	N/A
Location of any designated wetlands on the property	N/A

USE THIS SPACE TO DRAW YOUR SITE PLAN

Show: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site

See Attached Plan

Signature: _____

Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

2/21/2014

DATE



MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
1999 CANDLEWICK DRIVE
FORT MILL, S.C. 29715
803-802-4403 (office)
803-802-4402 (fax)

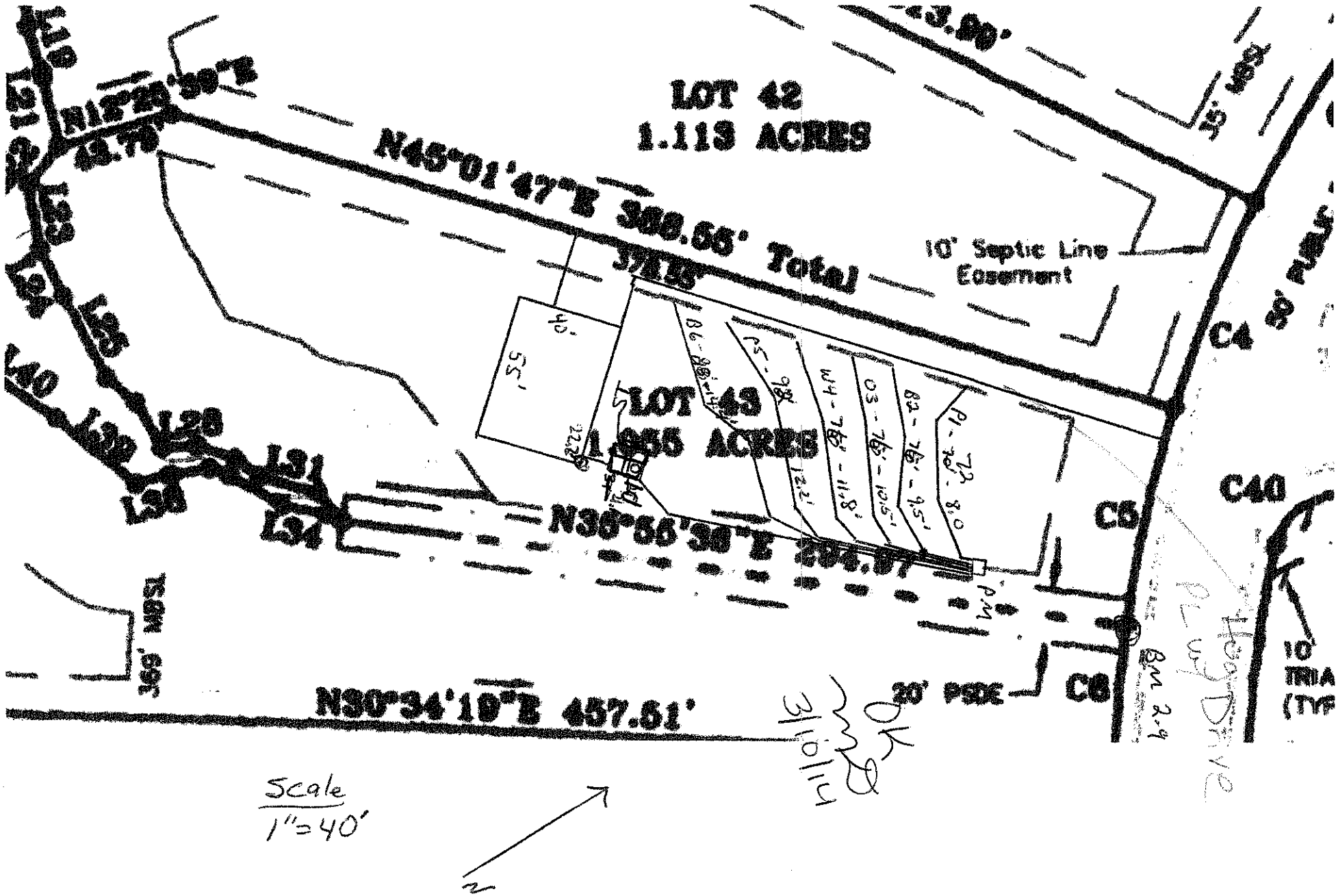
Reference: Chesapeake Pt., Lot 43, 257 Cove Creek Lp.
House Footprint: 55' x 40'
Building Setbacks: 35' front, 15' side, 50' lake
Water Source: Community well
Number of Bedrooms: 4/480 GPD
Predetermined LTAR: 0.25 GPD/FT2
Proposed System Type: 25% Reduction
Proposed Repair System Type: LPPPBPS
Distribution: Pressure Manifold
Flow per Tap: 4 @ 5.48 GPM, 2 @ 7.11 GPM
Tap Size and Material: 4 @ ½" SCH 80, 2 @ ½" SCH 40
System Flow: 36.14 GPM
Dosing Volume: 210 gallons
Pump Run Time: 5.8 minutes
Elevation Head: 18.1'
Friction Head: 3.4'
Pressure Head: 2'
Total Dynamic Head: 23.5'
Supply Line Length: 140'
Septic/Pump Tank Size: 1000/1000 gallons
Proposed Trench Bottom: 36"

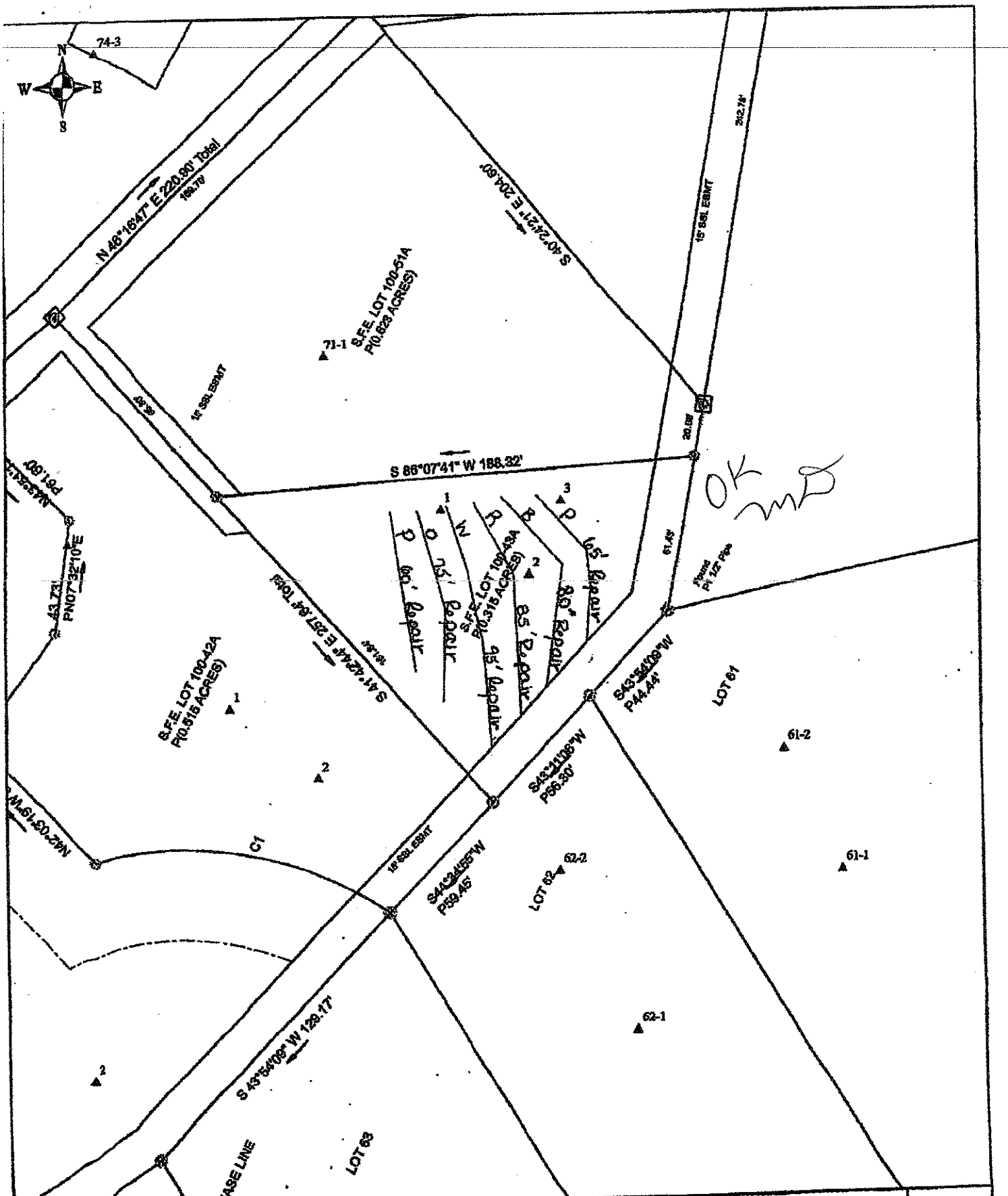
Line	Design Length	Actual Length	Elevation
Pink 1	**70' (SCH 80)**	**72'**	**8.0'**
Blue 2	**75' (SCH 80)**	**78'**	**9.5'**
Orange 3	**75' (SCH 80)**	**81'**	**10.5'**
White 4	**75' (SCH 80)**	**86'**	**11.8'**
Pink 5	**93' (SCH 40)**	**98'**	**12.2'**
Blue 6	**93' (SCH 40)**	**105'**	**14.4'**
Pink 7		65'	
Blue 8		80'	
Red 9		85'	
White 10		95'	

Line	Design Length	Actual Length	Elevation
Orange 11		75'	
Pink 12		60'	

Initial System: 480' **Repair System:** 460'
Pump Tank: 21.1' **House Corner:** 22.2' **Benchmark:** 2.9'

Comments:
This property currently has a LPPPBPS permitted. Michael Athanas & Associates has laid out a 25% reduction system. The off-site repair area will remain unchanged.


LOT 42
1.113 ACRES
N45°01'47"E 388.66' Total
10' Septic Line Easement
LOT 43
1.055 ACRES
N36°56'38"E 204.87'
N30°34'19"E 457.51'
20' PSDE
C4
C5
C6
C40
L28
L31
L34
L35
L36
L37
L38
L39
L40
Scale
1"=40'
N



Scale: 1 inch equals 50 feet	S&ME	S.F.E. Lot 100-43A Chesapeke Point	FIGURE
Drawn by: JBP	ENVIRONMENTAL SERVICES • ENGINEERING • TESTING	Detailed, Scaled Site Plan	1
Reviewed by: KS		Iredell County, NC	
Date: December, 2006		S&ME Project #1588-04-011	

IREDELL COUNTY

PO Box 788
349 North Center St.
Statesville, NC 28677

APPLICATION NUMBER

138045

Issue Date: 02/21/2014

Permit Type: IMPROVEMENT PERMIT APPLICATION

Parcel Number	Street Address	Jurisdiction
4636013742.000	257 COVE CREEK LOOP	MOORESVILLE

Owner Information	Applicant Information	Contractor Information
Owner: CP II LLC Address: 3125 PRESIDENTIAL PKWY STE 200 ATLANTA, GA 30340 Phone:	Applicant: BENITEZ HOMES INC Address: 184 N MAIN ST WAYNESVILLE, NC 28786 Phone: 828-246-9086	Contractor: BENITEZ HOMES INC Address: 184 N MAIN ST WAYNESVILLE, NC 28786 Phone: 828-246-9086 License Type: BLDG License Number: 53708

Project Description

NEW SINGLE FAMILY - IREDELL

Scope of Work

SFD

Permit Details:

	IMPROVEMENT PERMIT FEE	Amount:	195.00
		Amount:	
		Amount:	
		Amount:	
		Amount:	
		Amount:	
		Amount:	

I hereby certify that all information in this application is correct and all work will comply with the state code and all other applicable state and local laws, ordinances and regulations. The respective department will be notified of any changes in the approved plans, a change of contractor, and/or specifications for the project permitted herein. This application becomes a permit only when validated and approved.

Date: 02/21/2014

Signature of Owner/Contractor

ANY PERMIT ISSUED EXPIRES SIX (6) MONTHS AFTER ISSUANCE IF NO INSPECTIONS HAVE BEEN MADE. ANY PERMIT ISSUED SHALL EXPIRE TWELVE (12) MONTHS AFTER LAST INSPECTION IF THE WORK IS DISCONTINUED.

Permit Number	6761	TOTAL FEES:	$ 195.00

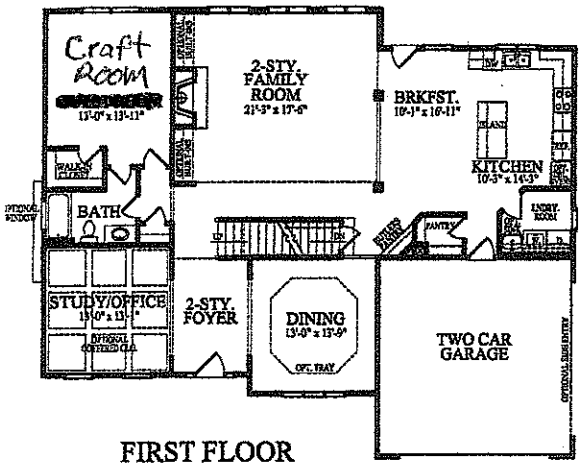
Lot: 43

Brunswick

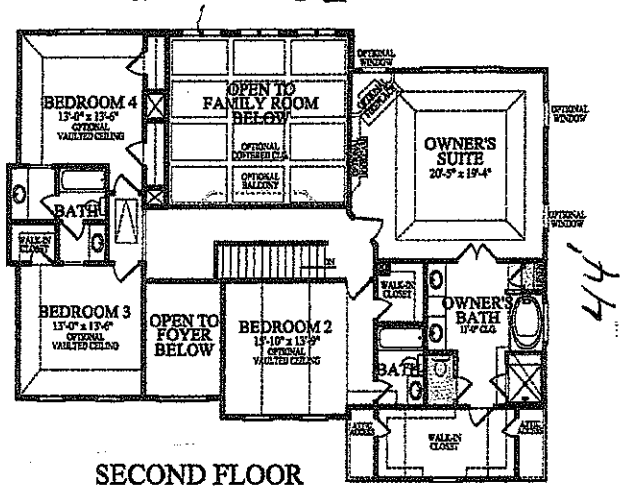


ELEVATION "E"
(Shown With Optional Side Entry)

52'



FIRST FLOOR



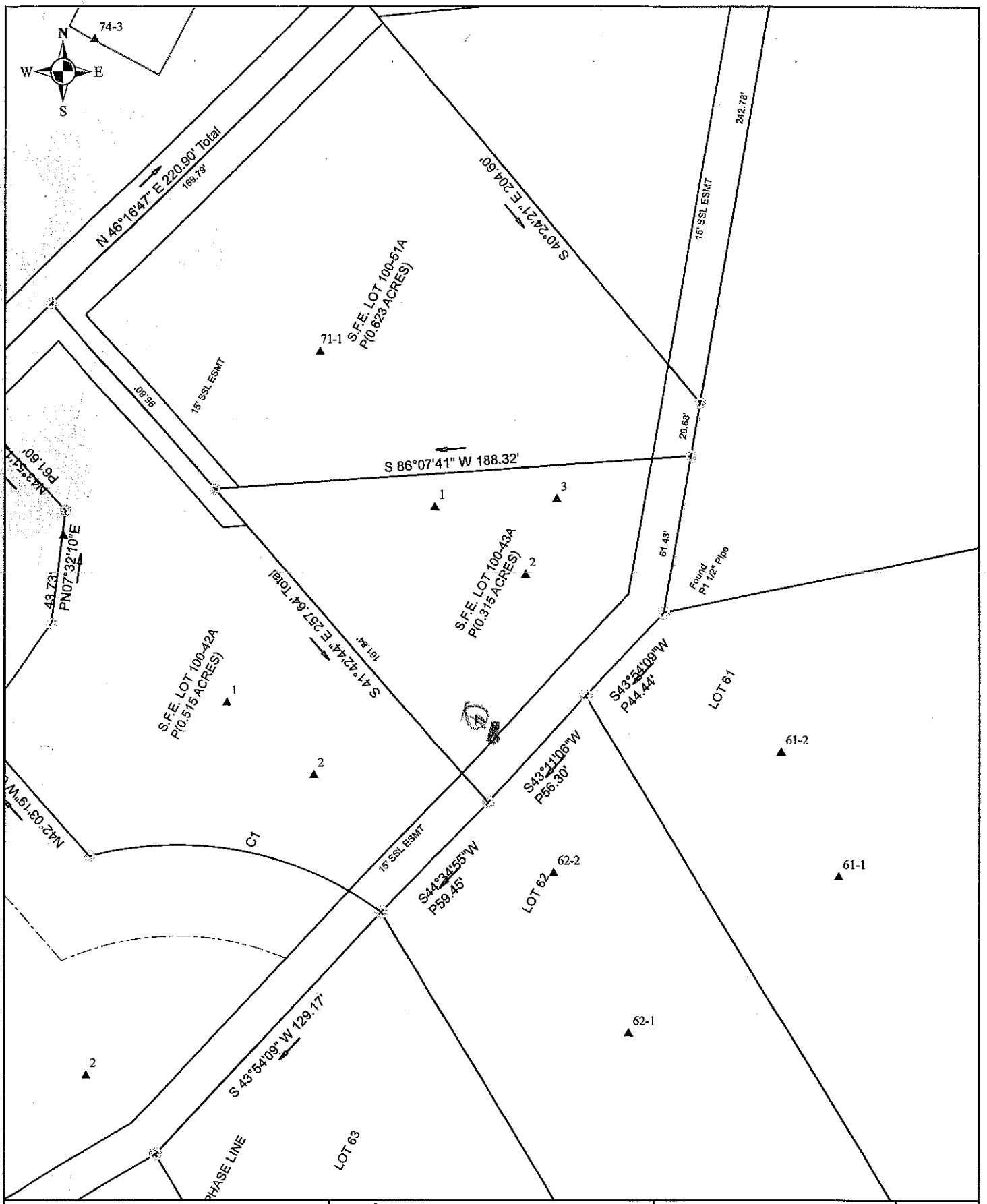
44'

SECOND FLOOR

Acknowledgement Of
Plans Submittal ONLY!

_____ Date 2-17-14

_____ Date 2-17-14



Scale: 1 inch equals 50 feet	S&ME	S.F.E. Lot 100-43A Chesapeke Point	FIGURE
Drawn by: JBP		Detailed, Scaled Site Plan	1
Reviewed by: KS		Iredell County, NC	
Date: December, 2006	ENVIRONMENTAL SERVICES • ENGINEERING • TESTING	S&ME Project #1588-04-011	

Sheet ___ of ___

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

PROPERTY ID #: _____
COUNTY: _____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

APPLICATION DATE _____
DATE EVALUATED: 4/26/06

OWNER: _____
ADDRESS: _____
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____
PROPERTY SIZE: _____
PROPERTY RECORDED: _____
LOCATION OF SITE: Lot 71

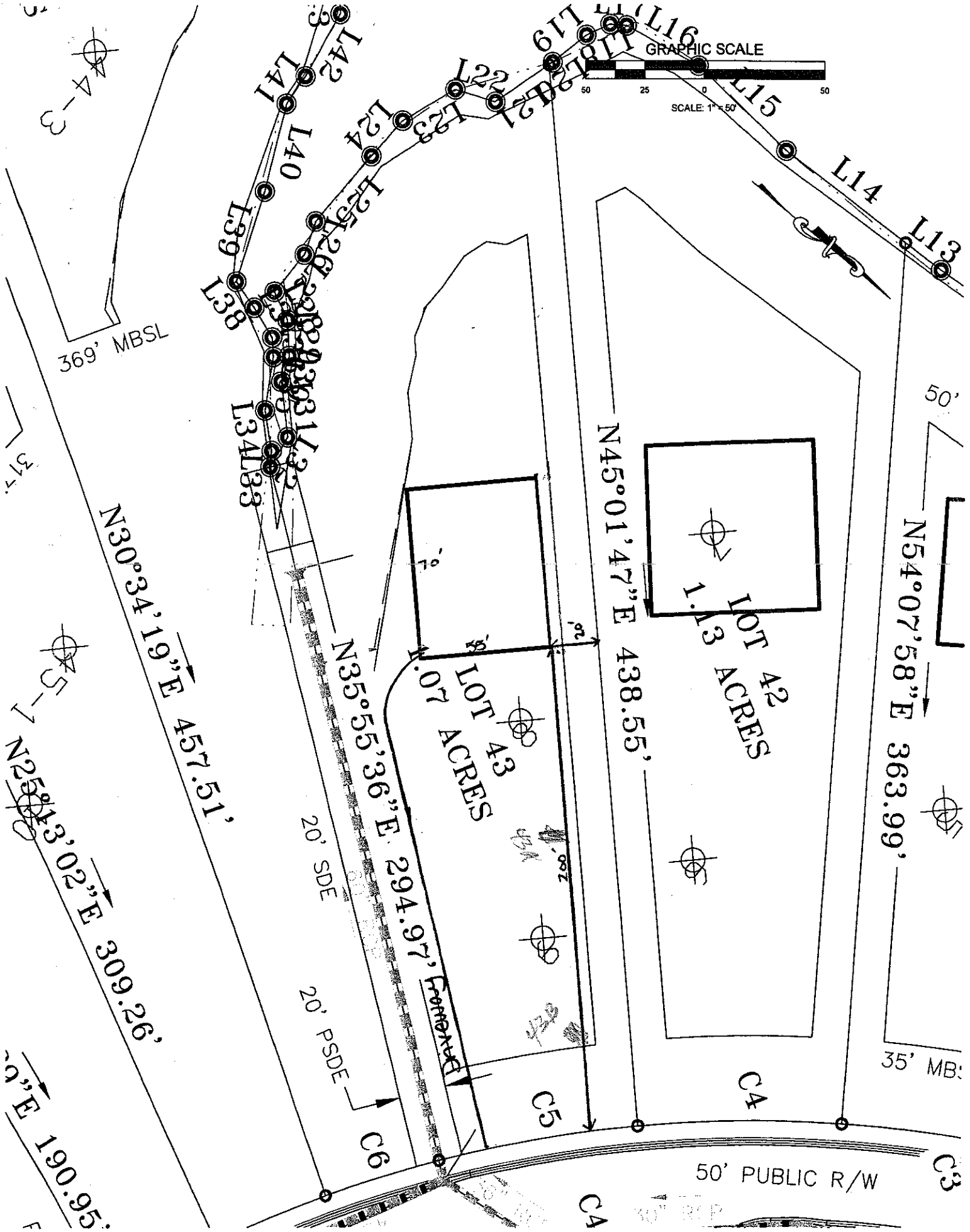
WATER SUPPLY: ☐ Private ☒ Public ☐ Well ☐ Spring ☐ Other _____
TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS OK .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	L 6-8%	0-4	wsbk scl	FR ss/sp	BR				PS .3
		4-22	msbk c	FR ss/sp	R Fj Sap f wk				
		22-37	wsbk cl	FR ss/sp	R Cj Sap f wk				
		37-48+	MA 1/sl	FR ss/sp	mM				
2	L 6%	0-5	mgr sl	FR ss/sp	Dk br				PS .25 to 1 LLO
		5-32	msbk scl	FR ss/sp	YB				
		32-46	wsbk scl	FR ss/sp	R Cj Sap f YB				
		46-50+	wsbk scl	FR ss/sp	Cj Sap Fj 10YR 4/2 in root channels				
3	L 6%	0-5	mgr sl	FR ss/sp	Dk br				PS .25
		5-9	msbk scl	FR ss/sp	RB Cj YB				
		9-45	msbk/mssbk cl	FR ss/sp	R Cj YB Fj Sap				
		45-52	MA sl	FR ss/sp					
4	11% L	0-7	gr rel sl fr wmp						.25
		7-16	wk sbk brn sl fr ss/sp						
		16-41	mm msk pl mc fr ss/sp Perm Sapr, few bands mottles						
		41-51	wk sbk cl fr ss/sp Trans						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	II	IV
Site LTAR	.25	.25

OTHER FACTORS (.1946): None
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Martin Drake
OTHER(S) PRESENT: _____

COMMENTS: _____


GRAPHIC SCALE
50 25 0 50
SCALE: 1" = 50'
L1 L2 L3 L4 L5 L6 L7 L8 L9 L10 L11 L12 L13 L14 L15 L16 L17 L18 L19 L20 L21 L22 L23 L24 L25 L26 L27 L28 L29 L30 L31 L32 L33 L34 L35 L36 L37 L38 L39 L40
369' MBSL
N30°34'19"E 457.51'
N25°43'02"E 309.26'
N35°55'36"E 294.97'
N45°01'47"E 438.55'
N54°07'58"E 363.99'
LOT 43
1.07 ACRES
LOT 42
1.13 ACRES
20' SDE
20' PSDE
50' PUBLIC R/W
C1
C2
C3
C4
C5
C6
35' MBS
50'

LOT 43

S&ME, INC.

SITE/SOIL EVALUATION

Project No. 1588-04-011 **Phone No.** _____ **Date:** 2/23/06
Location Ches Point **Pin** _____ **County:** Iredell **Property Size** _____

Proposed Facility: Houses **Water Supply:** On-Site Well ☐ Community ☒ Public ☐ **Evalulation:** Auger Boring ☐ Pit ☒ Cut ☐

Weather: 50°F PCloudy Rain in AM **Antecedent Moisture** Lot-39 Front Lot 41 **Surface Water:** Lot 43 Back

FACTORS	PROFILE 1 - A	PROFILE 3	PROFILE 5	PROFILE 8
Landscape Position %	L	L	L	L
Horizon Depth I	0-16	0-14	0-11	0-8
Color Munsell	Br	Br	4 Red Br	Red Br
Texture	SL/SCL	SCL	SCL	SL
Structure	WK SBK	WK SBK	WK SBK	MO GR
Consistence	FR SS/SP	FR SS/SP	FR SS/SP	FR SS/SP
Boundary				
Horizon Depth II	16-20	14-33	11-36	8-23
Color – Munsell	Red	Red	Red	Br
Texture	C	C	C	SL
Mottles	F MICA	FF Mn	F Vel Br	—
Structure	MO SBK	MO SBK	MO SBK	WK SBK
Consistence	FR SS/SP	FR SS/SP	FR SS/SP	FR SS/SP
				F Rocks
Boundary				
Horizon Depth III	20-24	33-48	36-50	23-28
Color – Munsell	Red	Red	Red	Br
Texture	C	C	SCL	SCL
Mottles	C Yel/Pale Br	F/C MICA	F MICA/F Soft	F Mn
Structure	MO SBK	WK/MO SBK	WK SBK	WK SBK
Consistence	FR SS/SP	FR SS/SP	FR SS/SP	FR SS/SP
				F Rocks
Boundary				
Horizon Depth IV	24-38			28-36
Color – Munsell	Red			Red
Texture	C			SC
Mottles	C Yel Br Ch 2's			F Yel Br
Structure	MO ABK			MO SBK
Consistence	FR SS/SP			FR SS/SP
Boundary	38-48			36-48
Soil Wetness	Yel Br			Red
Restrictive Horizon	SCL			SC
Saprolite	C Chr. 2's			C Chrm 2/Yel Br
LTAR	WK SBK			MO SBK
Classification	FR SS/SP			FR S/P
	.2 to 24"	.3 to 48"	.25-.3 to 48"	.25 to 36"

LEGEND

LANDSCAPE POSITION

R	Ridge Interfluve
S	Shoulder
L	Linear Slope
S	Foot Slope
N	Nose Slope
H	Head Slope
Cc	Conclave 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	agular blocky
pl	platy
pr	prismatic

SOME, INC.

SITE/SOIL EVALUATION

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

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

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

FACTORS	PROFILE 9 (Lot 43-Front)	PROFILE 12 (Lot 44)	PROFILE 13 (Lot 46)	PROFILE 16 (Lot 47-Middle)
Landscape Position %	L	L	L	L
Horizon Depth I	0-10	0-7	0-8	0-9
Color Munsell	Br	Br	Br	Br
Texture	SL	SL	SL	SL
Structure	WK SBK	Mo GR	Mo GR	Mo GR
Consistence	FR SS/SP	FR SS/SP	FR SS/SP	FR SS/SP
Boundary				
Horizon Depth II	10-21	7-14	8-20	9-20
Color – Munsell	Red Br	Red Br	Red	Red
Texture	SCL	SCL	C	C
Mottles	—	—	—	F Mica
Structure	WK SBK	WK SBK	Mo SBK	Mo SBK
Consistence	FR SS/SP	FR SS/SP	FR SS/SP	FR SS/SP
Boundary				
Horizon Depth III	21-39	14-35	20-48	20-45
Color – Munsell	Red	Red	Red	Red
Texture	C	C	C/CL	CL
Mottles	—	F mica	C Yel Br 10h 2/5	C sap
Structure	Mo SBK	Mo SBK	MO ABK	WK SBK
Consistence	FR SS/SP	FR SS/SP	FR S/P	FR SS/SP
			* Relic mostly	
			can pull chunks	
Boundary			of white SL	
Horizon Depth IV	39-57	35-53	sap out	
Color – Munsell	Red	Red	some drain.	
Texture	CL	CL		
Mottles	C Yel Br	C mica/sap		
Structure	WK SBK	WK SBK		
Consistence	FR SS/SP	FR SS/SP		
	* Some relic			
	Few Drain.			
Boundary				
Soil Wetness				
Restrictive Horizon				
Saprolite				
LTAR				
Classification				
	.25 to 57"	.3 to 53"	.25-.3 to 26"?	.3 to 45"

LEGEND

LANDSCAPE POSITION

R	Ridge Interfluve
S	Shoulder
L	Linear Slope
S	Foot Slope
N	Nose Slope
H	Head Slope
Cc	Conclave 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	agular blocky
pl	platy
pr	prismatic