206119 Site Address: 114 Kingsbury Court - Mooresville

IREDELL COUNTY HEALTH DEPARTMENT

STATESVILLE 704-878-5305 MOORESVILLE 704-664-5281

IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM INSPECTION

PERMIT # ~~7306857~~ 205969 PIN # 4635151877 DATE 7-16-2012

OWNER or APPLICANT Dominic Ferrovecchio / SAME PHONE: Business SAME 704 662-8625 Home: Mr. Ferrovecchio 914 393-8454

OWNER or APPLICANT ADDRESS 935 Bronx River Ave Bronx New York 10473

LOCATION / DIRECTIONS Brawley School Tl Chatham Tl Kingsbury Ct on Right #114

SUBDIVISION The Point ON NORMAN BLOCK / SECTION 1-B LOT # 115 LOT AREA 1.64Ac DESIGN FLOW ____ L.T.A.R. ____

Septic Tank 1500 Gallons: STB 338 Date 9-3-14

Pump Tank 1500 Gallons: PT 477 Date 9-1-14

Pump Make Orenco Model DH500511 Serial # 9285-5005

Nitrification Field No Fields 1 No Lines 2 Linear Feet 220FT

Trench Width 36" Max. Trench Bottom Depth 36" Gravel Depth N/A

☐ New System ☐ Repair ☒ Expansion System Type I II (III) IV V VI

System Description Pump PM-25% Reduction

Repair System Description: Drip Repair

Maintenance Agreement Required ☐ YES ☒ NO

☐ GRAVITY ☒ PRESSURE

☒ Residence No. Bedrooms 6

☐ Business No. Persons ____

☐ Other No. Employees ____

☐ Slab ☐ Crawl Space

☐ Basement w/plumbing ☐ Basement w/o plumbing

Water Supply: ☐ Private ☒ Public ☒ Community

Comments / Conditions Expansion Evaluation prepared by Paul Penninger w/ SAME)
*Need New Pressure Manifold

Comments / Conditions Note: Must keep drain as it exists in driveway. Can not move any closer to drainfield (exist or repair)
10/17/14 Checked new tanks

INITIAL SITE SKETCH

Approval based on attached plan by SAME (Paul Penninger LSS) dated 7/9/2013

AS BUILT SKETCH

5/22/15 Checked New lines & press. manifold
*Supply line 21ft off house corner
5/29/15 Set 2ft pressure head
Checked Elect. & Alarm

Permit can be suspended or revoked if any false information is supplied toward securing the permit / any unauthorized changes are made to the site / any unauthorized changes are made in the installation of the system.

☐ IMPROVEMENT PERMIT w / plat valid without expiration. ☐ IMPROVEMENT PERMIT w / site plan valid for 60 mos. ☐ AUTHORIZATION TO CONSTRUCT valid for period equal to IMPROVEMENT PERMIT-not to exceed 60 mo.

Owner / Applicant Signature: [signature] Date 8-21-12

Improvement Permit by: [signature] RS Date 7/16/12

Authorization to Construct by: [signature] RS Date 7/16/12

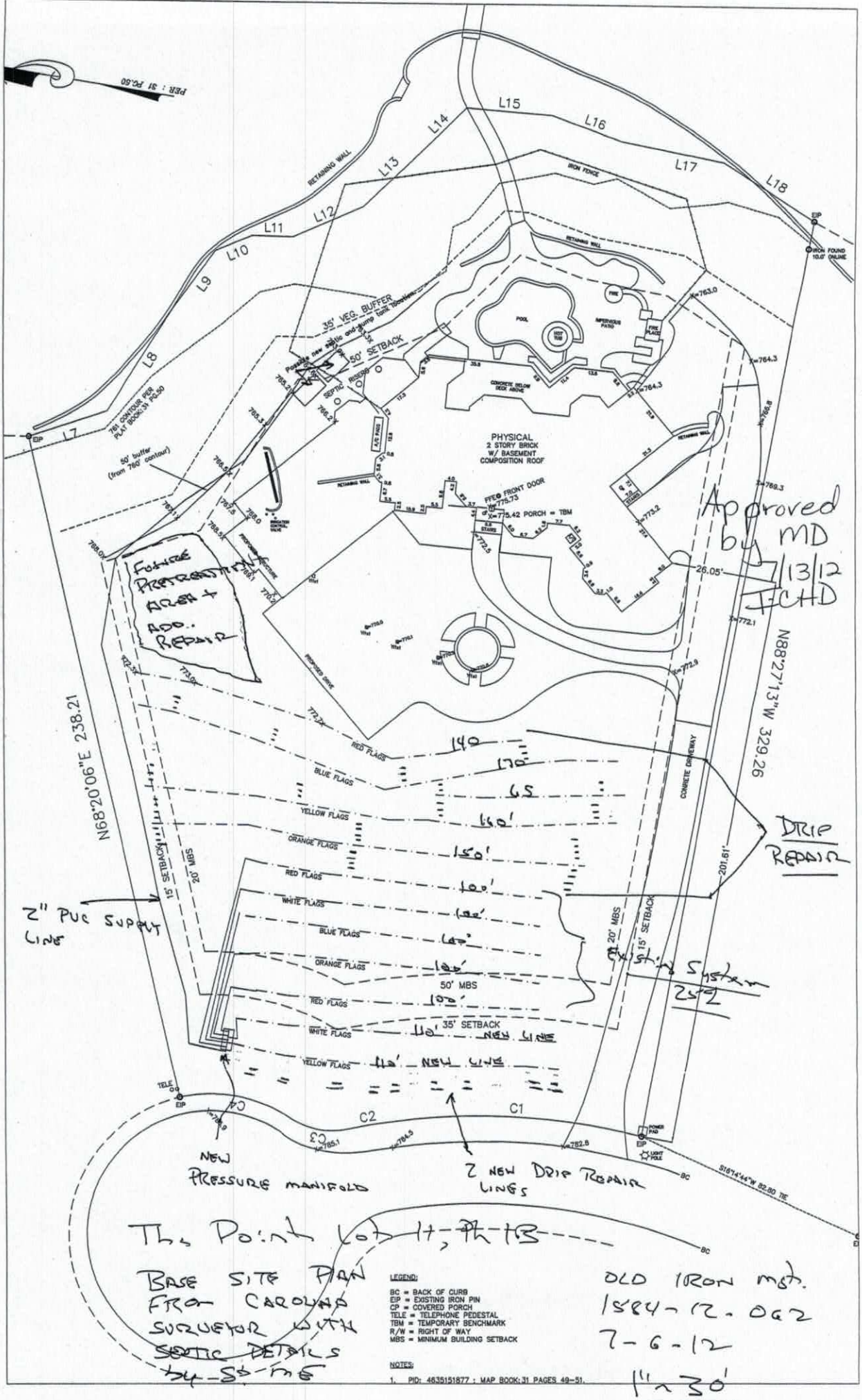
Installed by: Steve Jordon RS Date: 5/29/15

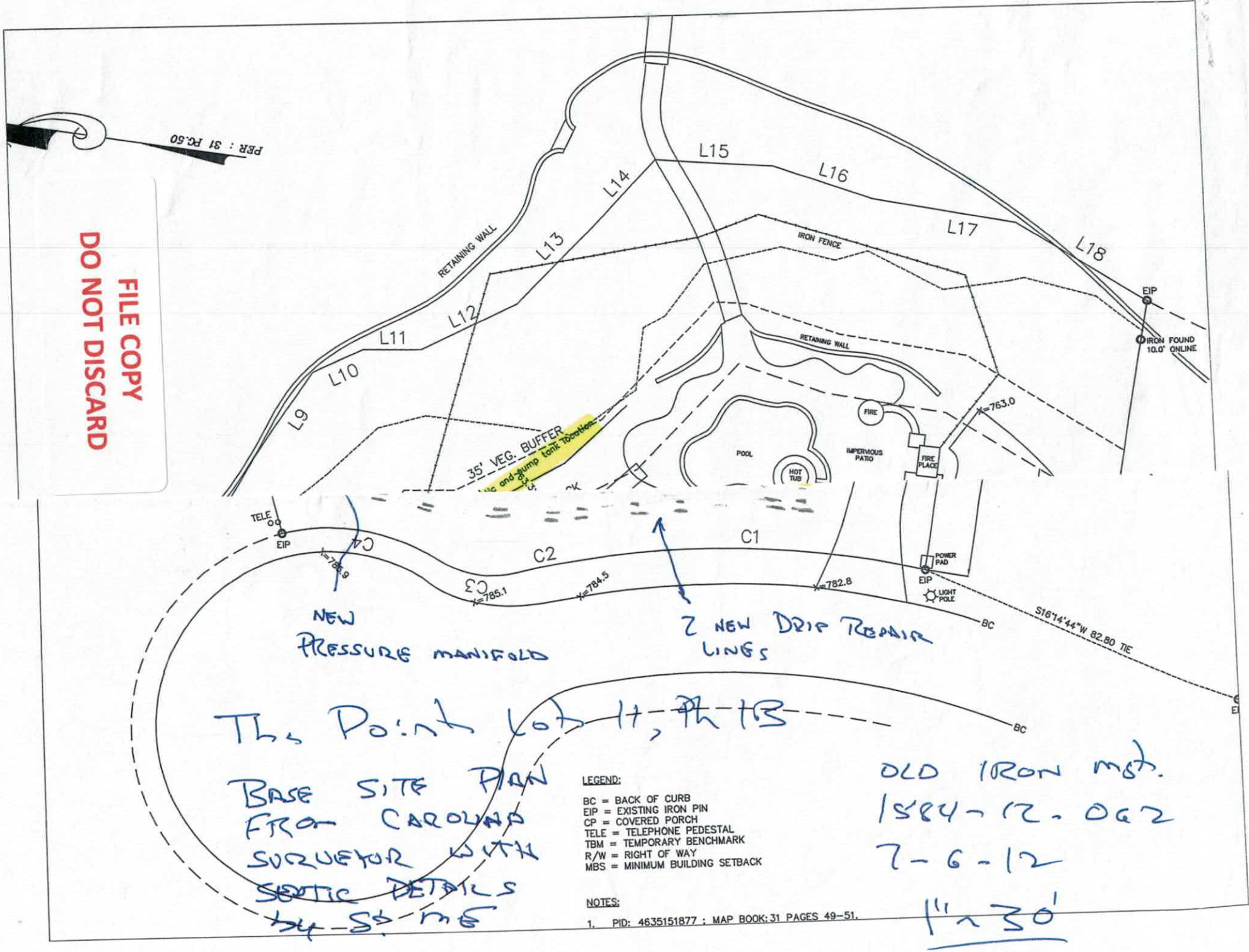
Operation Permit by: [signature] RS Date: ____

Existing System Inspected by: ____ Date: ____

IT SHOULD CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION.

WHITE COPY Environmental Health YELLOW COPY (Final) Owner / Applicant PINK COPY (Initial) Owner / Applicant


PER : 31 PG.50
L7
L8
L9
L10
L11
L12
L13
L14
L15
L16
L17
L18
RETAINING WALL
IRON FENCE
IRON FOUND 10.0' ONLINE
EIP
35' VEG. BUFFER
Possible new septic and pump Tank location
50' SETBACK
SEPTIC
RISER
76' CONTOUR PER PLAT BOOK: 31 PG.50
50' buffer (from 760' contour)
POOL
HOT TUB
FIRE
IMPERVIOUS PATIO
FIRE PLACE
CONCRETE BELOW DECK ABOVE
PHYSICAL
2 STORY BRICK
W/ BASEMENT
COMPOSITION ROOF
FFE@ FRONT DOOR 775.73
X=775.42 PORCH = TBM
STAIRS
PROPOSED DRIVE
Future Pasture Area + Add. Repair
Approved by MD 7/13/12 TCHD
N68°20'06"E 238.21
N88°27'13"W 329.26
CONCRETE DRIVEWAY
26.05'
201.61'
RED FLAGS 140'
BLUE FLAGS 170'
YELLOW FLAGS 65'
ORANGE FLAGS 150'
RED FLAGS 100'
WHITE FLAGS 120'
BLUE FLAGS 140'
ORANGE FLAGS 120'
50' MBS
RED FLAGS 100'
WHITE FLAGS 110' NEW LINE
YELLOW FLAGS 110' NEW LINE
35' SETBACK
20' MBS
15' SETBACK
Drip Repair
2" PVC Supply Line
New 5 Stub-outs
252
TELE
C1
C2
C3
C4
NEW PRESSURE MANIFOLD
2 NEW DRIP REPAIR LINES
POWER POLE
LIGHT POLE
S16°14'44"W 82.80 TIE
BC
EIP
This Point Lot 17, Ph 1B
BASE SITE PLAN FROM CAROLAND SURVEYOR WITH SEPTIC DETAILS by SS-ME
LEGEND:
BC = BACK OF CURB
EIP = EXISTING IRON PIN
CP = COVERED PORCH
TELE = TELEPHONE PEDESTAL
TBM = TEMPORARY BENCHMARK
R/W = RIGHT OF WAY
MBS = MINIMUM BUILDING SETBACK
NOTES:
1. PID: 46351151877 ; MAP BOOK: 31 PAGES 49-51.
OLD IRON mgt.
1584-12.062
7-6-12
11 x 30'



FILE COPY
DO NOT DISCARD

Note: Keep exist. drain in drive Can not move closer.

July 9, 2012

Old Iron Management
935 Bronx River Avenue
Bronx, New York 10473

Attention: Mr. Dominic Ferrovecchio

Reference: **Technical Assistance with Fast Track Septic Permitting**
Lot 11 The Point Subdivision, Phase 1B
Iredell County, North Carolina
S&ME, Inc. Project No. 1584-12-062

Dear Mr. Ferrovecchio:

S&ME, Inc (S&ME) has provided technical assistance to obtain a possible expansion to the four bedroom septic system that has been installed on the above referenced lot and approved by the Iredell County Health Department (ICHD). The technical assistance was performed in general accordance with S&ME Proposal No. 1584-12-P73 (revised) dated June 20, 2012. All ratings were determined in accordance with the "Laws and Rules for Sewage Treatment and Disposal Systems (15A NCAC 18A .1900)". Lot 11 is a waterfront lot located in The Point Subdivision near the end of Kingsbury Court.

Attached is the Application for the Septic Improvement Permit, the Iredell County Zoning Permit, the Environmental Health Requirements form, the ICHD Fast Track requirements, and proposed floor plans presented to the ICHD on your behalf. The lot was originally permitted by the ICHD in 1998 for a four bedroom house. The existing system on the lot was installed in 2000 and the ICHD Operation Permit is dated August 16, 2000. You are now requesting that the four bedroom septic system be expanded to six bedrooms to allow an expansion to the existing house.

The attached floor plans were reviewed by Mr. Ben Aldridge and Ms. Maria Dotson of the ICHD. They have given verbal approval that the expanded house will only be considered a six bedroom house.

On June 21 and 22, 2012 Mr. Paul Penninger with S&ME flagged the proposed septic drainfield expansion and placed five hand auger borings on the site. The proposed septic lines were located by your surveyor on July 2, 2012 and are shown on the attached site plan. The hand auger borings placed on the lot by S&ME and the pits previously evaluated by the ICHD were approximately located on the site plan provided by your surveyor.

After discussions with Ms. Dotson of the ICHD, we are proposing to add two new 25% reduction lines, at 110 feet each, between the existing system and the street to expand the existing system to six bedrooms. The expanded system would have 720 feet of 25% reduction line and be permitted at the 0.25 gallons per day per square foot (gpd/ft^2) Long Term Acceptance Rate (LTAR) used for the 1998 septic permit. Alternatively, two new lines, at 105 feet each, could be added and five feet of line could be added to each existing septic line to keep the new and existing lines equal lengths.

The downslope repair area on the original 1998 permit was designated a partial Low Pressure Pipe repair. For the six bedroom repair, we are proposing a pretreatment (TS-I or TS-II) drip system. A 0.125 gpd/ft^2 LTAR would require 5,760 square feet of drip area or 2,880 lineal feet of drip line. Approximately 3,005 feet of proposed drip line are shown on the attached site plan.

The proposed house expansion will partially cover the existing septic and pump tanks. The existing tanks should be properly abandoned per the ICHD requirements and a new septic and pump tank will be required for the expanded six bedroom house.

Once the septic area is permitted, it should be fenced off for protection during home construction. Access to the lot should only be by the proposed drive. There shall not be cuts of 2 feet or greater within 15 feet of any part of the permitted septic system or repair area. There should be no fill added over the system or repair area. Also, there should be no drain associated with the motor court or expansion that is within 25 feet downslope or 15 feet sideslope of the system or repair area. All proposed grading and drainage should be reviewed with the ICHD.

S&ME appreciates the opportunity to provide these services to you. The attached information is not an Improvement Permit or Authorization to Construct, and is only to assist you and the ICHD with the Fast Track site evaluation. The attached plan is not intended to be a Professional Engineer plan. The ICHD must approve each lot and only the ICHD can issue these permits. The ICHD should verify all soils and system specifications, required setbacks, and whether a professional engineer plan is required before permitting and/or septic system installation. Soil evaluations and system layouts are done based on interpretations of the rules governing wastewater treatment and disposal systems and are not guarantees for site approval or future septic system performance.

If you have any questions or require additional information please contact us at your convenience.

Sincerely,

S&ME, Inc.

Paul G. Penninger, L.S.S.
Senior Soil Scientist

Rob Willcox, L.S.S.
Natural Resources Services Leader

Attachments:

1. ICHD Improvement Permit Application, Zoning Permit, and Health Department Requirements
2. Site Plan and System Specifications
3. Soil Profile Descriptions
4. ICHD Operation Permit for Existing System
5. Floor Plans

Copy: ICHD

S:\1584\PROJECTS MASTER\Projects 2012\1584-12-062 Old Iron Management - The Point 1B Lot 11\1584-12-062 The Point Phase 1B Lot 11 Summary Letter.doc

Old Iron Mgt. - The Point 11 Ph. 1B - Fast Track Septic System Information

Foundation	**Basement with plumbing**
Design Flow (gpd)	**720 - 6 bedrooms**
Primary System LTAR (gpd/ft2)	**0.25**
Primary System Type	**25% Reduction**
No. Lines	7 (See Table)
Total Linear Feet	720
Trench Width	3' min.
Trench Spacing	9' min.
Pump Required	Yes
Distribution Device	Pressure Manifold
Maintenance Agreement Required	No
Length and Diameter of Supply Pipe	~265' of 2" SCH 40 PVC
Flow Rate through the system	38.5 gpm
Elevation head	Approx. 24.3'
Pressure head	2.0'
Friction head	9.1'
20% Contingency	7.8'
Total Head	42.5'
Pump Requirements	39 gpm @ 43' of head ***To be designed by installer.**
Maximum Dosing Volume	360 gal - 2.1 doses/day @ design flow
Volume of water pumped per dose	Calculated to specific tank by measure or dealer engineering specifications (1 cubic ft. of water equals 7.48 gal.)
Pump Run per dose	approx. 9.3 min.
Check Valve	Yes
Siphon Break hole	No
Repair System	**TS-I or TS-II Pretreatment Drip**
Total Linear Feet	2,880 Required
Repair Loading Rate	0.125

Old Iron Mgt. - The Point 11 Ph. 1B - Fast Track Septic System Information

Table: Summary of Primary Nitrification Lines

Line No.	Use		Line Color	System Type	Line Length (Ft.)	Elevation (Ft.)
1	Primary	Expansion	yellow	25% Reduction	110	781.5**
2	Primary	Expansion	white	25% Reduction	110	780
3	Primary	Existing	red	25% Reduction	100	779
4	Primary	Existing	orange	25% Reduction	100	778
5	Primary	Existing	blue	25% Reduction	100	778.5
6	Primary	Existing	white	25% Reduction	100	777.5
7	Primary	Existing	red	25% Reduction	100	777
					Total System: 720'	

Tank		1500 gal (2 compartment)	
Pump Tank		1500 gal.	765.2
House	front, left	See elevations on site plan	770.2

Manifold Information	
Tap Size (In.)	1/2
Tap Material	SCH 80 PVC
No. Taps	8
Barrel Size (In.)	4
Barrel Material	SCH 80 PVC
Flow (gpm)/Tap	5.5

NOTES:

***Elevations must be verified by installer or surveyor at installation**

**** Estimated from surveyor's contour map**

Old Iron Management Possible Line Drip Repair Lengths
The Point Lot 11 Phase 1B

Lines start at street.

Line Color	Line Length (ft)
nf*	120
nf	120
nf	150
nf	150
nf	150
orange	150
nf	150
nf	150
nf	150
nf	150
yellow	160
nf	160
nf	160
nf	160
white	65
nf	65
nf	65
blue	170
nf	140
nf	140
nf	140
red	140
Total	**3,005**

*nf - lines not flagged, but sketched between flagged lines at approximately 2 feet on center.

S&ME, INC.
SITE/SOIL EVALUATION

OLD (ROAD MGT

Project No. 1584-12-002 Phone No. _____ Date: 6-21-12
Location Pt of Lot 11 Pin _____ County: IREDELL Property Size 1.63 ac

Proposed Facility: 4 BR → 6 Water Supply: On-Site Well ☐ Evaluation: Auger Boring ☒
Community ☒ Pit ☐
Described By: POP - To be REV By ICHD Public ☐ Cut ☐
Weather: Hot Antecedent Moisture moist Surface Water: CN

Approved by ICHD 7/13/12

FACTORS	PROFILE 1	PROFILE 2	PROFILE 3	PROFILE 4
Landscape Position %	L	L	L	L
Horizon Depth I	0-8	2-13	0-12	0-10
Color Munsell	BR	5YR	br	br
Texture	d soil/SAP fill	soil/SAP	sl - scl	sl - scl
Structure		wk f sbk	wsbk	wsbk
Consistence		C-loams from fill		
Boundary				
Horizon Depth II	8-27	13-19	12-34	10-37
Color – Munsell	br	mod br	mod	mod
Texture	scl	cl	C	C
Mottles				f yel br
Structure	WSBK	WSBK	mt SBK	mt SBK/AB
Consistence	fr ss/sp	fr ss/sp	fi sp - ss sp	fi sp - ss sp
Boundary				
Horizon Depth III	27-60	19-38	34-44	37-46
Color – Munsell	mod br - yel br	mod br	mod br	mod br
Texture	C - cl	C	C	C
Mottles	f SAP/C mica		f 2.5Y 6/3-5/4	m 2.5Y 6/3
Structure	WSBK	mt SBK	m SBK - ABK	f 1.5-4 SBK
Consistence	fr ss/sp	fr ss/sp	fi sp	WSBK/AB
Boundary				
Horizon Depth IV		38-60		
Color – Munsell		mod br		
Texture		cl		
Mottles		f SAP		
Structure		C mica flakes		
Consistence		WSBK fr ss/sp		
Boundary				chang
Soil Wetness	—	—	~34 3'	37"
Restrictive Horizon	—	—	—	—
Saprolite	—	—	—	—
LTAR	.3	.3	.2-.25	.25 to .3
Classification	PS	PS	PS	PS

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
pl	platy
pr	prismatic

S&ME, INC.
SITE/SOIL EVALUATION

2/2

Project No. 1582-12-06 Phone No. _____ Date: 6-21-12
Location Point 11 Ph 1B Pin _____ County: Iredell Property Size _____

Proposed Facility: 6 Bdr Water Supply: On-Site Well ☐ Evaluation: Auger Boring ☒
Community ☒ Pit ☐
Described By: PGP Public ☐ Cut ☐
Weather: Hot Antecedent Moisture moist Surface Water: LN

Approved by ICHD 7/13/12 ME

FACTORS	PROFILE 5	PROFILE 6c	PROFILE	PROFILE
Landscape Position %	L	L		
Horizon Depth I	0-8	0-17		
Color Munsell	YJ	YJ 5/6		
Texture	sl	scl		
Structure		WSBK		
Consistence	SFSP	FR SS/SP		
Boundary				
Horizon Depth II	8-27	17-44		
Color – Munsell	YJ	YJ		
Texture	C	C-CL		
Mottles		FF Prom		
Structure	M SBK (ABK)	MSBK		
Consistence	FR S/P	FR SS/SP - SX		
Boundary				
Horizon Depth III				
Color – Munsell				
Texture				
Mottles				
Structure				
Consistence				
Boundary				
Horizon Depth IV				
Color – Munsell				
Texture				
Mottles				
Structure				
Consistence				
Boundary				
Soil Wetness	—	—		
Restrictive Horizon	—	—		
Saprolite	—	—		
LTAR	.12-.14	.3		
Classification	PS Drip	PS		
	Prot 33%			

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

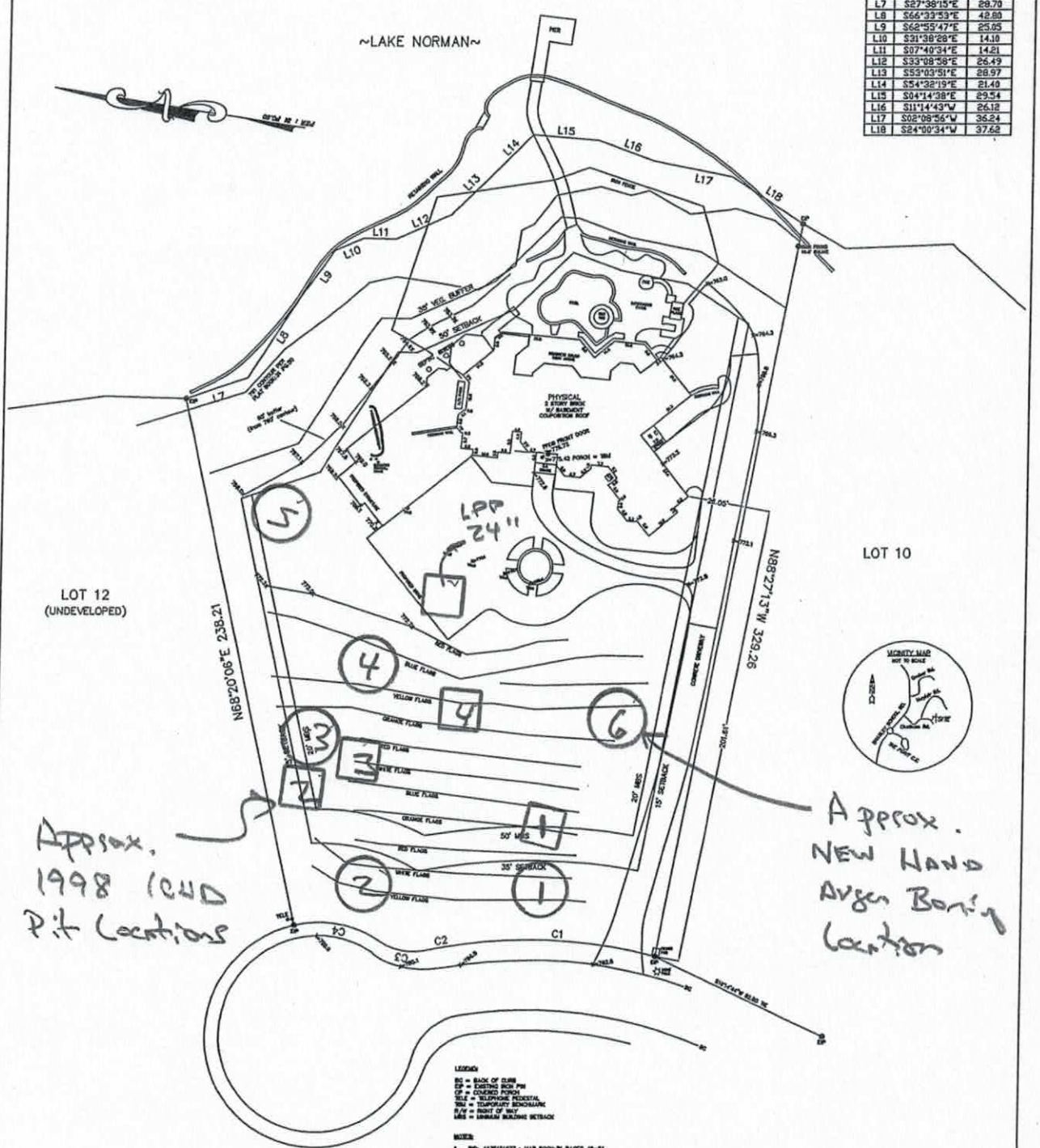
vfr	Very friable
fr	friable
fi	firm
vfi	Very firm

STRUCTURE

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

CURVE TABLE				
CURVE	RADIUS	LENGTH	BEARING	CHORD
C1	224.27	86.39	N05°31'05"W	85.86
C2	224.27	17.17	N18°41'54"W	17.17
C3	25.00	20.01	S02°02'38"W	19.48
C4	50.00	40.71	N01°39'04"E	39.59

LINE TABLE		
LINE	BEARING	LENGTH
L1	S34°10'35"E	5.90
L2	S28°09'50"E	43.47
L3	S25°26'01"E	35.81
L4	S17°26'20"E	38.73
L5	S13°17'47"E	40.44
L6	S00°48'39"E	21.88
L7	S27°38'15"E	28.70
L8	S66°33'53"E	42.80
L9	S62°55'47"E	25.85
L10	S31°38'28"E	14.10
L11	S07°40'34"E	14.21
L12	S33°08'38"E	26.49
L13	S53°03'51"E	28.97
L14	S54°32'19"E	21.40
L15	S04°14'38"E	29.54
L16	S11°14'43"W	26.12
L17	S02°08'56"W	36.24
L18	S24°00'34"W	37.62



LEGEND

BC = BACK OF CURB
EIP = EXISTING IRON PIN
CP = CONCRETE PORCH
TELE = TELEPHONE PEDESTAL
TBM = TEMPORARY BENCHMARK
R/W = RIGHT OF WAY
LBSL = LANDSCAPE BUFFER SETBACK

NOTES:

1. PID: 4635151677 ; MAP BOOK:31 PAGES 48-51.
2. THIS PROPERTY MAY BE SUBJECT TO ADDITIONAL RECORDED OR UNRECORDED EASEMENTS, RIGHTS-OF-WAY, OR RESTRICTIVE COVENANTS OTHER THAN SHOWN.
3. SURVEYOR WAS NOT PROVIDED A TITLE EXAMINATION WHICH MIGHT REVEAL FURTHER RESTRICTIONS.
4. UTILITY LOCATIONS SHOWN ARE LOCATED BASED ON SITE CONDITIONS AND MARKINGS AT THE TIME OF SURVEY. CONTRACTORS ARE TO HAVE ALL UTILITIES ACCURATELY MARKED PRIOR TO CONSTRUCTION.
5. 10' DRAINAGE AND UTILITY EASEMENT ALONG LOT LINES PER PLAT.
6. DATUM NAD'83

IMPERVIOUS CALCULATIONS:

CONCRETE INCLUDING THE RETAINING WALLS = 9035 SF.
HOUSE = 5398
TOTAL AS-BUILT AREA = 14435

REVISION NOTE:
AREA AS RECORDED IN MAP BOOK 31 PAGE 50 IS INCORRECTLY SHOWN AS 51,908 SQ. FT. 1.19 ACRES

A SURVEY SHOWING

LOT 11 THE POINT

PHASE 1B MAP 2

SURVEYED FOR: DOMINIC FERROVECCHIO
AREA: 1.63 ACRES

DAVIDSON TWP. IREDELL COUNTY, NORTH CAROLINA

CAROLINA SURVEYORS, INC.
P.O. BOX 247 PINEVILLE, N.C. 28134 - 0247
OWEN E. WHITE, Jr., PLS & SCALE 800-7501
CERTIFICATE OF AUTHORIZATION C816-1048 04-806

DATE	REVISIONS	SCALE: 1" = 50'
11-28-11	SQ.FT. & ACRES CORRECTION	DATA: 2004\P\POINT-PH1-B
7-5-12	SEPTIC LINE LOCATION	ACAD: 2004\POINT-PH1-B
		DRAWN BY: DH
		CHECKED BY: HW
		FIELD WORK: EH,JR
		DATED: NOV. 11, 2011

VISION OF ENVIRONMENTAL HEALTH
-SITE WASTEWATER SECTION

PROPERTY ID#: _____
COUNTY: _____

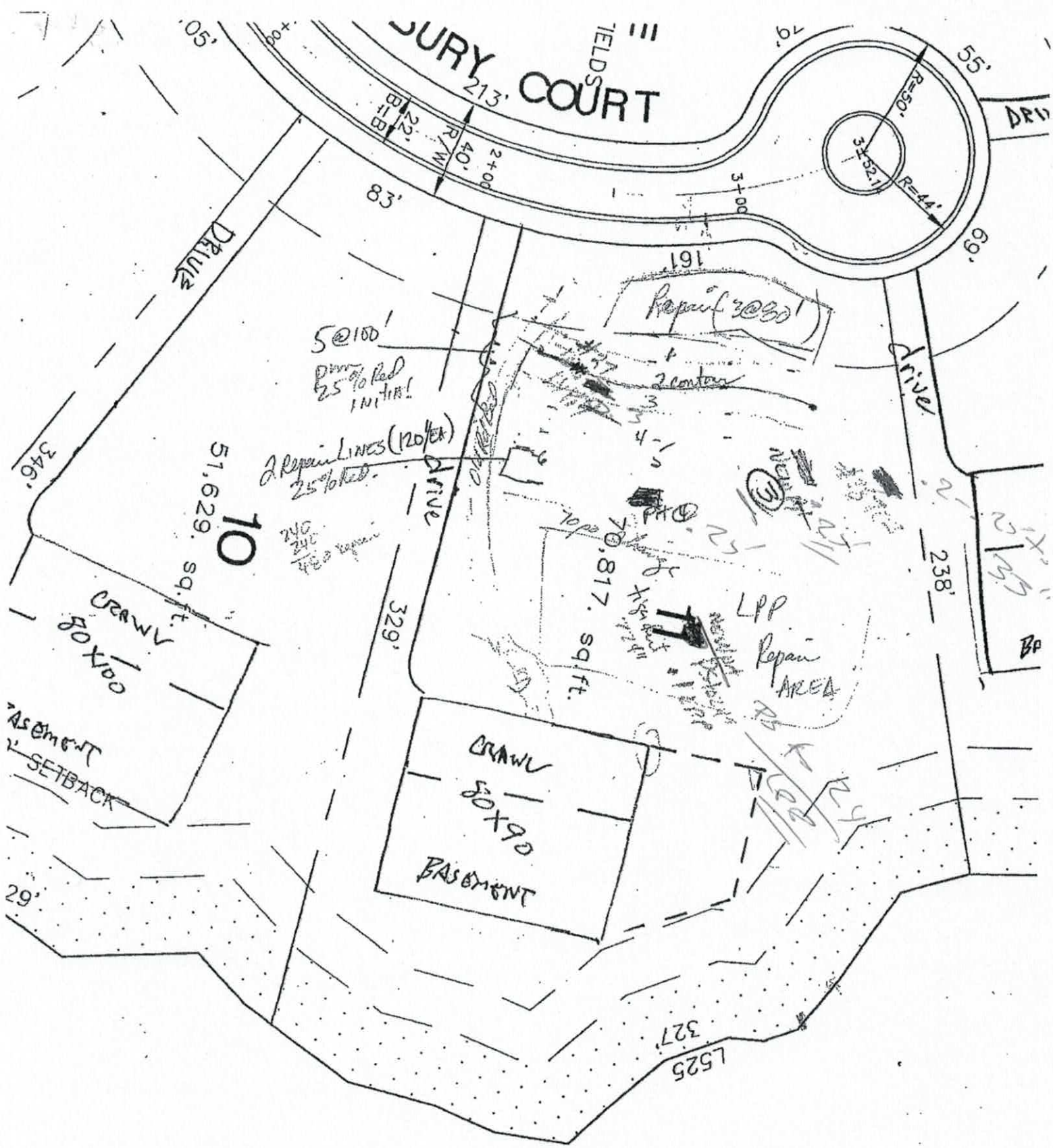
SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: CPI APPLICANT: _____
ADDRESS: _____ APPLICATION DATE: _____ DATE EVALUATED: 8-7-92
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
LOCATION OF SITE: Lot 11 phase 1B The H PROPERTY RECORDED: _____
WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☐ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON 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	#27 TCJ	0-6	gr brvsl	fr	top				PS .3
		6-29	mod sbk rc	fr sl sticky					
		29-53	mod sbk rc	fr sticky sl plastic					
			common fine yellow mottles						
2	#28 TCJ	0-12	gr Pbrvsl	fr					PS+ 33" .2-.25
		12-33	mod sbk yr sc	fr/c firm sl sp					
		33-48	mod sbk rc	fr sl sp					
			common fine yellow mottles						
3		0-15	gr pbrvsl	fr					PS .25
		15-44	sabk rock	fr sl sp sticky					
4		0-9	gr brvsl	fr					PS .25
		9-34	mod sbk rc	fr sl sp					
		34-46	mod sbk cl	fr v sl sticky sl sp					
			common fine yellow mottles						

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

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



- Locate existing
- new sub
- turn off 122.60 from
- locate existing
- locate ____ sump system

IREDELL COUNTY HEALTH DEPARTMENT

STATESVILLE 704-878-5305 MOORESVILLE 704-664-5281

IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM INSPECTION

PERMIT# 073870 PIN# 4625941689 4655-15-1877 DATE Sept. 12, 198

OWNER OR CONTRACTOR Crescent Resources Inc. /KEN Koontz PHONE: Business Home

ADDRESS P.O. Box 1003, Charlotte

LOCATION Brawley Sch. Rd. TL Chatham Rd. T.L Kingsbury Ct. on Right 1.14

SUBDIVISION The Pointe BLOCK / SECTION 1-B LOT 11 LOT AREA 70,817 ft² SITE CLASS. PS DESIGN FLOW 480gpd L.T.A.R. n.o.25

Septic Tank: 1500 + Gallons; STB 338 Date 5/20/00

Pump Tank: 1000 Gallons; PT 247 Date 3/21/00

Pump Make: MYERS Model ME50-52 Serial No.

Nitrification Field: No Fields 1 Square Feet 1500 Linear Feet 500

No Lines 5@100' Trench Width 36" Max Trench Bottom Depth 24"

☑ New System ☐ Repair System Type: I, II, III, IV, V, VI

System Description: pumped-pm-25% Reduction

Repair System Description: SAME + LPP

Maintenance Agreement Required: ☐ Yes ☑ No

Gravel Depth NA

☑ House/Mod. Home No. Bedrooms 4

☐ Mobile Home No. Bathrooms 4

☐ Business No. Employees

☐ Other

☑ Slab ☑ Crawl Space ☑ Basement w/plumbing ☐ Basement wo/plumbing

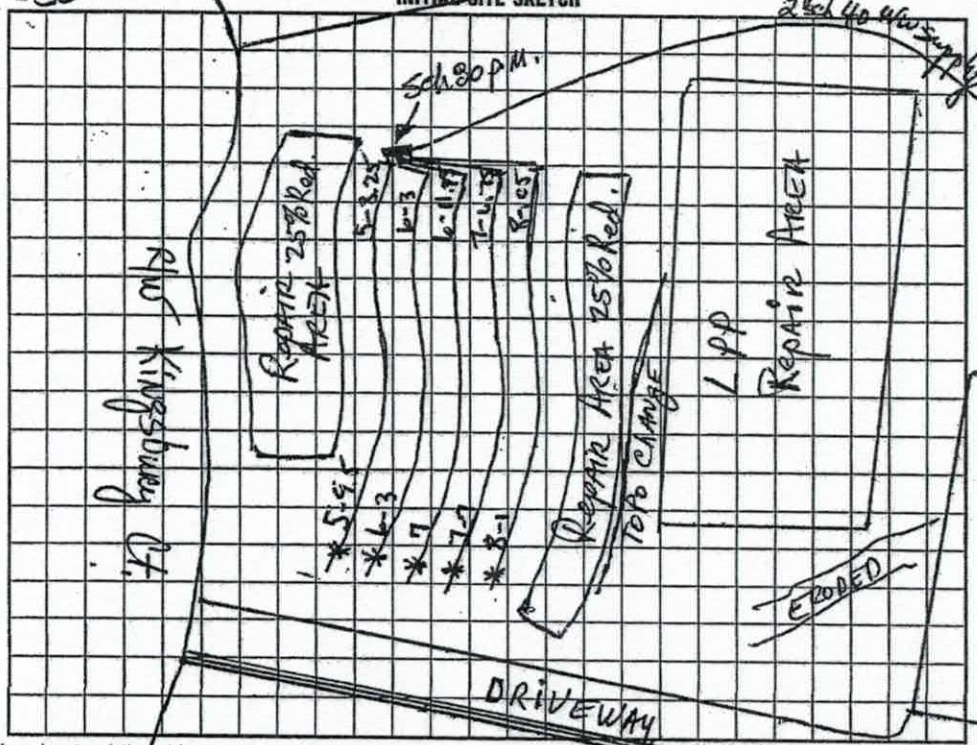
Water Supply: ☐ Individual ☑ Public ☐ Community

Comments:/Conditions: Fill ERODED AREAS. INSTALL SYSTEM EXACTLY where shown on site sketch.
* ONE inspection port per LATERAL
FILL ERODED AREAS.

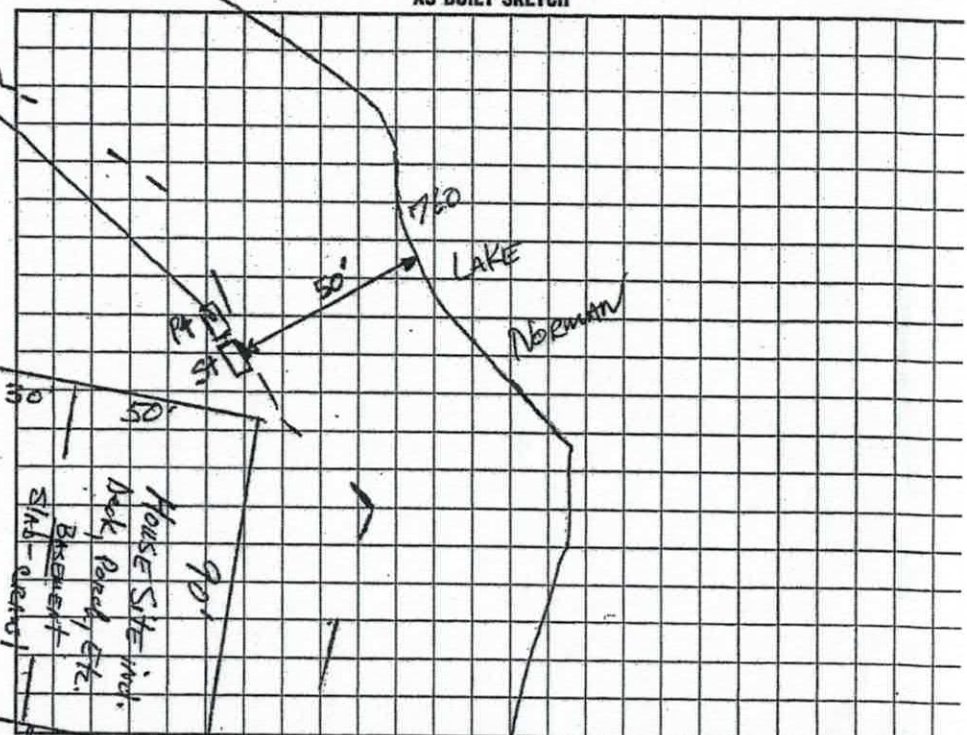
Comments:/Conditions: (PARTIAL)

1" = 50'

INITIAL SITE SKETCH



AS BUILT SKETCH



I understand that this permit can be suspended or revoked if any false information is supplied toward securing the permit/any unauthorized changes are made to the site/any unauthorized changes are made in the installation of the system. Improvement Permit with plat valid without expiration. Improvement Permit with site plan valid for sixty months. Authorization to Construct is valid for a period equal to that of Improvement Permit – not to exceed sixty months.

Signed: date 10/15/98

Improvement Permit by: RS date 9-12-98

Authorization to Construct by: RS date 4-13-99

Installed by: F J Ervin

Operation Permit by: RS date 8/16/00

Existing System Inspection by: date

IREDELL COUNTY HEALTH DEPARTMENT

Application For Improvement Permit and/or Authorization To Construct, Existing System Inspection

(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)

1. **APPLICATION FOR:** X Improvement Permit ___Authorization To Construct ___BOTH ___Existing System Inspection

2. **Page 2: *Site Plan Worksheet* Form MUST Accompany This Application**
   The following optional attachments may also be submitted: *Place check ( ) beside whichever is submitted if applicable*
   X Survey Plat, Scaled no more than 1 Inch = 60 Feet
   X Custom Site Plan, Scaled no more than 1 Inch = 60 Feet

3. **Applicant Information:**

Applicant Name	Mailing Address	Home Phone	Work Phone
OLD IRON Mgt	935 Bronx River Ave. Bronx, NY 10473		914-395-8454
Owner Name	**Mailing Address**	**Home Phone**	**Work Phone**
Dominic Ferrovecchio	- Same Address		as above

4. **Property Information:**

Street Address	Subdivision Name	Section/Phase and Lot Number
114 Kingsbury Ct	The Point	Phase 1B Lot 11

Driving Directions: RSR, L. Clatham, L. Kingsbury
Lot on Rt. at end-of-sac

****

5. **RESIDENTIAL Site Development Information:** *(Check or Complete ALL that apply)*

( ) New, Single Family Residence
( ) New, Multi-Family Residence
X Expansion of Existing Septic System
( ) Repair To Failing Septic System

Maximum Number of Bedrooms 6
Maximum Number of Occupants 12
If Expansion, Current Number of Bedrooms 4

( ) Crawl Space Foundation?
( ) Concrete Slab Foundation?
X Basement w/Plumbing?
( ) Basement w/out Plumbing?

IF Non- Residential Site Development:
Type of Business _____
Square Footage of Building _____
Maximum Number of Employees _____
Maximum Number of Seats _____

****

6. **Proposed Water Supply:**

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

****

7. **Desired Septic System Type:** *(You may rank in order of preference, if any)*

( ) Alternative ( ) Conventional ( ) Innovative ( ) Modified Conventional ( ) Other 2-06 ( ) No Preference

****

8. **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. industry) 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.

9. **Signature:** _____ 7-5-12
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

IREDELL COUNTY HEATLH DEPARTMENT

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:

- ✓ **Property Line measurements are clearly identified…**
- ✓ **All proposed structures are indicated…**
  SHOW: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site
- ✓ **Front and side setbacks from property line…**
- ✓ **Preferred driveway location and configuration, preferred 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:

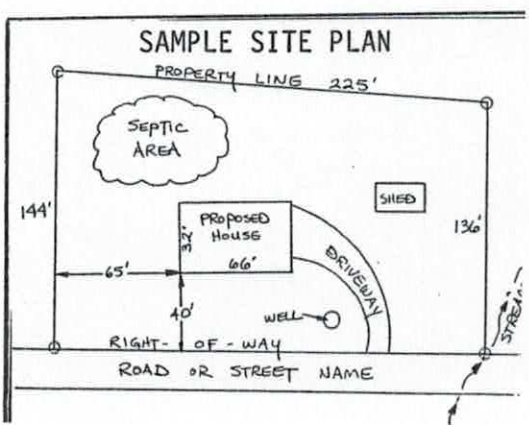
- ___ **Location of septic systems and wells within 100' of your property…** **N/A** (Check your permit)
- ___ **Location of easements and rights of ways on your property…** **N/A**
- ___ **Location of any designated wetlands on the property…** **N/A**

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

7-5-12
DATE

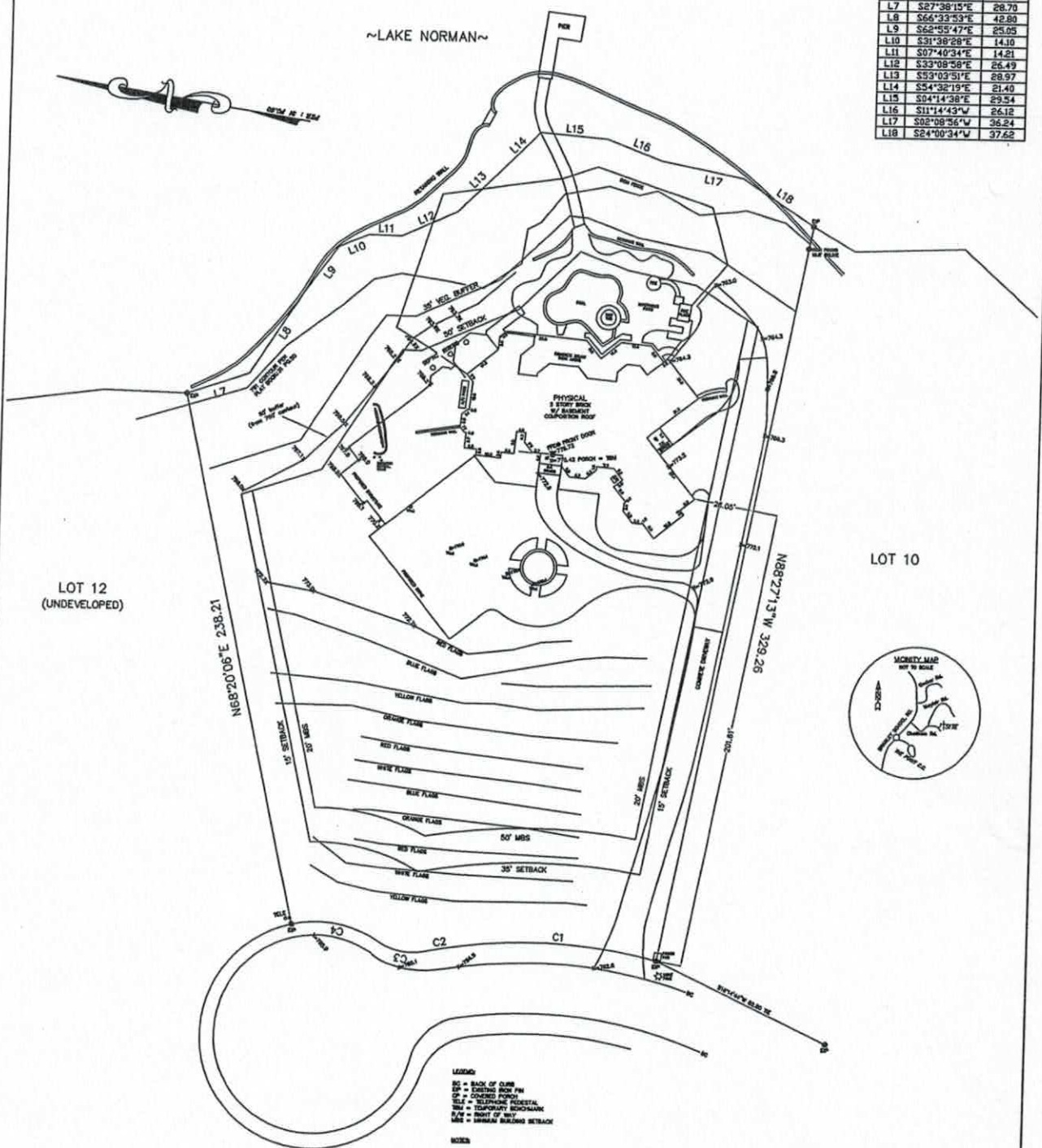
USE THIS SPACE TO DRAW YOUR SITE PLAN

– See Attached Site Plan



CURVE TABLE				
CURVE	RADIUS	LENGTH	BEARING	CHORD
C1	224.27	86.39	N05°31'05"W	85.86
C2	224.27	17.17	N16°41'54"W	17.17
C3	25.00	20.01	S02°02'38"W	19.48
C4	50.00	40.71	N01°39'04"E	39.59

LINE TABLE		
LINE	BEARING	LENGTH
L1	S34°10'35"E	5.90
L2	S28°09'50"E	43.47
L3	S25°26'01"E	35.81
L4	S17°26'20"E	38.73
L5	S13°17'47"E	40.44
L6	S00°42'39"E	21.88
L7	S27°38'15"E	28.70
L8	S66°33'53"E	42.80
L9	S62°55'47"E	25.05
L10	S31°38'28"E	14.10
L11	S07°40'34"E	14.21
L12	S33°08'56"E	26.49
L13	S53°03'51"E	28.97
L14	S54°32'19"E	21.40
L15	S04°14'38"E	29.54
L16	S11°14'43"W	26.12
L17	S02°08'56"W	36.24
L18	S24°00'34"W	37.62



GRAPHIC SCALE

(IN FEET)
1 Inch = 30 ft.

LEGEND:
BC = BACK OF CURB
EIP = EXISTING IRON PIN
CP = COVERED PORCH
TELE = TELEPHONE PEDESTAL
TBM = TEMPORARY BENCHMARK
F/W = FRONT OF WALK
MBS = MINIMUM BUILDING SETBACK

NOTES:

1. PIN: 4635151877 ; MAP BOOK:31 PAGES 48-51.
2. THIS PROPERTY MAY BE SUBJECT TO ADDITIONAL RECORDED OR UNRECORDED EASEMENTS, RIGHTS-OF-WAY, OR RESTRICTIVE COVENANTS OTHER THAN SHOWN.
3. SURVEYOR HAS NOT PROVIDED A TITLE EXAMINATION WHICH MIGHT REVEAL FURTHER RESTRICTIONS.
4. UTILITY LOCATIONS SHOWN ARE LOCATED BASED ON SITE CONDITIONS AND MARKINGS AT THE TIME OF SURVEY. CONTRACTORS ARE TO HAVE ALL UTILITIES ACCURATELY MARKED PRIOR TO CONSTRUCTION.
5. 10' DRAINAGE AND UTILITY EASEMENT ALONG LOT LINES PER PLAT.
6. DATUM: NAD'83

IMPERVIOUS CALCULATIONS:

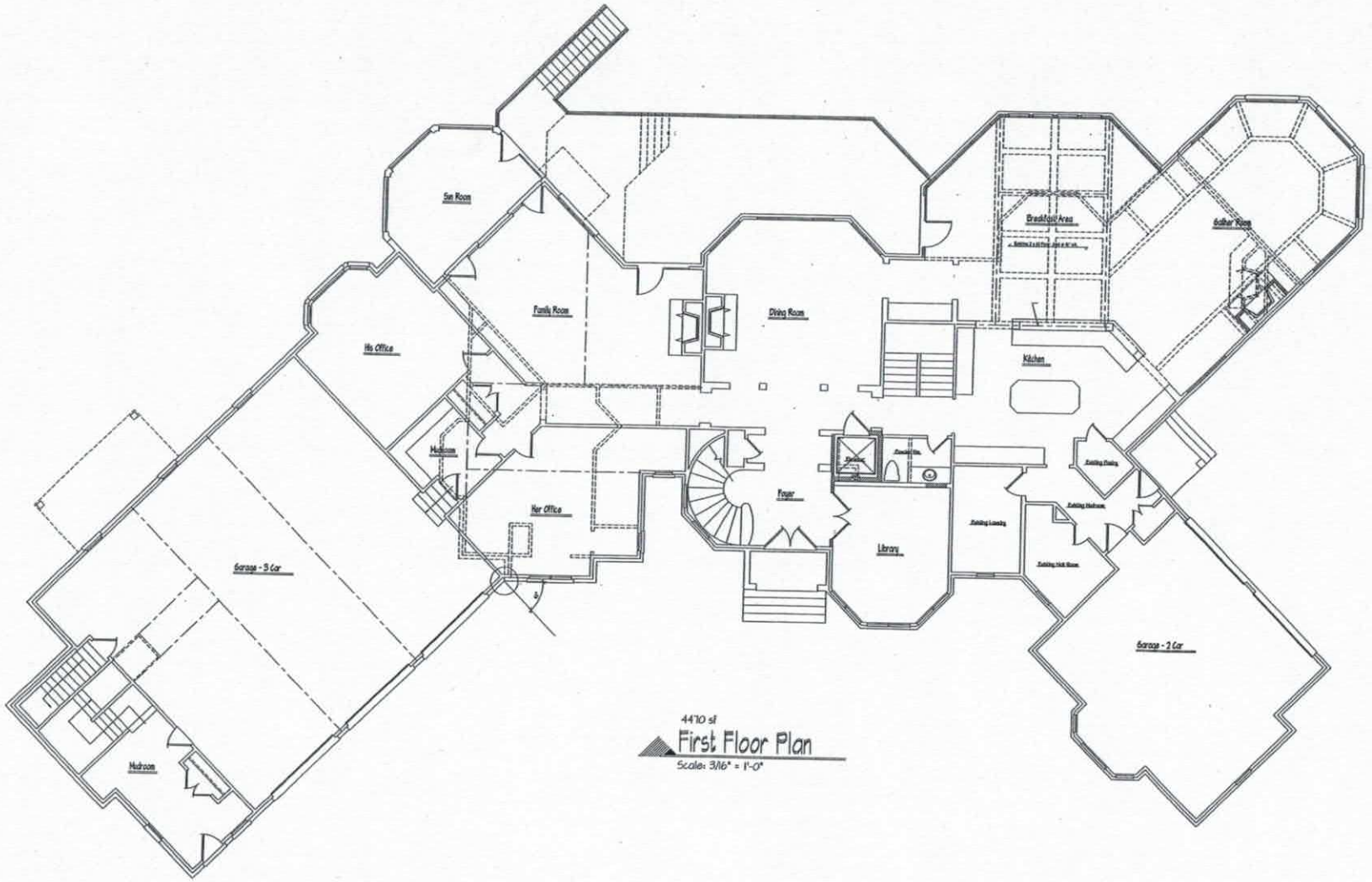
CONCRETE INCLUDING THE RETAINING WALLS = 8036 SF.
HOUSE = 5398
TOTAL AS-BUILT AREA = 14435

REVISION NOTE:
AREA AS RECORDED IN MAP BOOK 31 PAGE 50 IS INCORRECTLY SHOWN AS: 51,908 SQ. FT. 1.19 ACRES

A SURVEY SHOWING
LOT 11 THE POINT
PHASE 1B MAP 2
SURVEYED FOR: DOMINIC FERROVECCHIO
AREA: 1.63 ACRES
DAVIDSON TWSP. IREDELL COUNTY, NORTH CAROLINA

CAROLINA SURVEYORS, INC.
P.O. BOX 287 PINEVILLE, N.C. 28134 - 0287
HUGH E. WHITE, JR., NCRLS & SCRLS 660-7681
CERTIFICATE OF AUTHORIZATION C-0611 C-1660

DATE	REVISIONS:	SCALE: 1" = 30'
11-26-11	SQ.FT. & ACRES CORRECTION	DATA: 2004\P\POINT-PH1-B
7-5-12	SEPTIC LINE LOCATION	ACAD: 2004\POINT-PH1-B
		DRAWN BY: DH
		CHECKED BY: HW
		FIELD WORK: DH,JR
		DATE: NOV. 11, 2011



4470 sf

First Floor Plan

Scale: 3/16" = 1'-0"

Progress
Renovation For
Ferrovecchio
Kings Court, North Carolina

Progress: 4-11-12
Progress: 4-04-12
Progress: 3-21-12
Rev: 3-15-12

GOEWEY & DEMASI AIA
Architects P.C.
284 LEXINGTON AVENUE, MOUNT KISCO, NEW YORK 10549 (914)666-9000

DATE 2-28-12
JOB 212-005
DRAWING 4 of 6

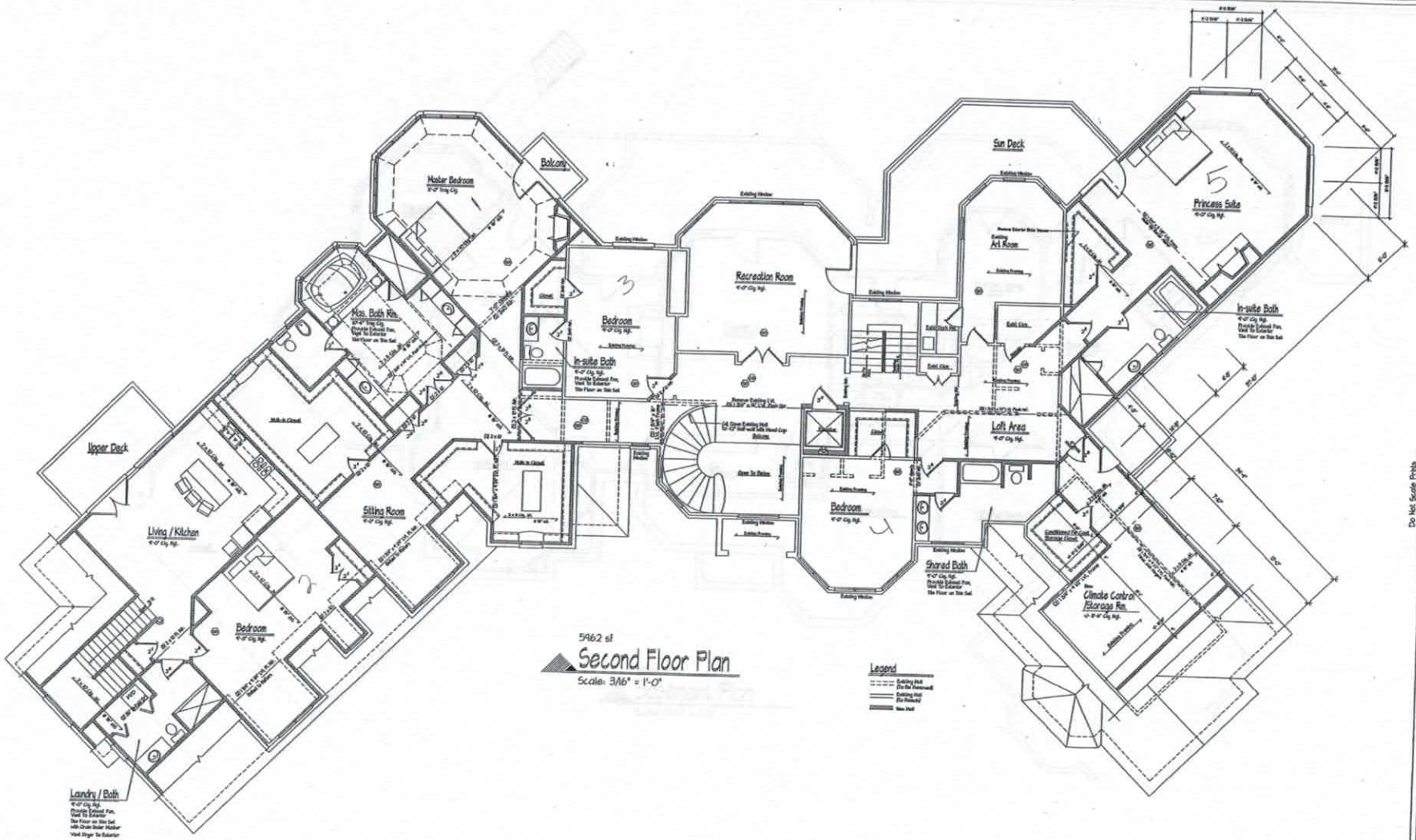
Checked
Date

Do Not Scale Prints

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5462 sf

Second Floor Plan

Scale: 3/16" = 1'-0"

Legend

Progress
Renovation For
Ferrovecchio
Kings Court, North Carolina

Progress: 6-18-12
Progress: 6-04-12
Progress: 4-8-12
Progress: 4-04-12
Progress: 3-27-12
Rev: 3-5-12

Checked
Date

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GOEWEY & DEMASI AIA
Architects P.C.
334 LEXINGTON AVENUE, MOUNT KISCO, NEW YORK 10549 914-666-5058

DATE 2-28-12
JOB 12-005
DRAWING 5 of 6

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Iredell County
Planning & Enforcement
349 N. Center St. PO Box 788
Statesville, NC 28687
704-878-3113

Zoning Permit
Permit Number: 173687ZO

Printed: 7/9/2012

Master #: 173687

Associated Permits:
173687ZO Zoning

Applicant
Name: S&ME INC. ENGINEERING (Paul Penning **Phone:** 704-662-8625
Address: 385 Timber Road Suite 104
Mooresville, NC 28115

Parcel
Parcel Number: 4635151877.000 **Zoning:** R20
Address: 114 KINGSBURY CT **Township:** 1700
Mooresville, NC 28117 **Area:** 1.64
Subdivision: The Point **Lot(s):** 11
Directions to Parcel: 1100,I Chatham,I Kingsbury, 3rd Lot On Right

Owners
Name: KENNETH A & SUSAN KOONTZ
Address: 114 KINGSBURY CT
MOORESVILLE, NC 281176020

Contractors
Contractor Type: Enviromental Services
Name: S&ME INC. ENGINEERING (Paul Penninger) **Phone:** 704-662-8625
Address: 385 Timber Road Suite 104
Mooresville, NC 28115

Fees and Receipts:

Number	Description	Amount
FEE-259131-07	Zoning - Permit Application	$75.00
FEE-259133-07	Environmental Health - Gravity - Fast Track	$350.00
FEE-259134-07	Technology Fee - Code Enforcement	$2.25

Total Fees:	**$427.25**
REC-136174-07	$427.25
Total Receipts:	**$427.25**

Conditions

Date: **Status:** **Code:**

Condition Description:

Condition Comments:

Permit Information:

Max Built Upon Area:	
Watershed:	WSIV-CA
Flood Zone:	
Set Backs:	F 35 R50 LS15 RS 15
Minimum Lot Size:	
Minimum Lot Width:	
Min # Parking Spaces:	
Land Use Permitted:	Yes
Community Sewer:	No
Site Plan Reviewed:	
Staff:	
Zoning Permit:	Yes
Septic Typet:	Existing System
Proposed Use:	Addition
Property Recorded:	Yes
Community Water:	Yes
Provider:	Community Water
Provider:	
Date:	
# of Stories:	0
# of Bedrooms:	0
# of Units in Building	0

Site Plan Conditions:
Zoning Permit Comments: ADDING GARAGE WITH BASEMENT AND LIVING SPACE