PRESSURE MANIFOLD SYSTEM
FOR WASTEWATER TREATMENT

Owner:	Mike Johnson
Address:	5902 Chinquapin Court Charlotte, NC 28269
Phone:	704.777.6129
County:	Iredell
Location:	Huntington Ridge Lot #18 166 Huntington Ridge Place, Mooresville, NC 28115
Source of Wastewater Flow:	4 Bedroom Single Family Residence
Estimated Daily Wastewater Production:	480 gpd
System Flow:	27.4

Design Specifications

Drainfield Size:	300
Loading Rate:	0.4
Depth of Gravel in Trench:	NA (25% reduction)
Gravel Size:	NA (25% reduction)
Trench Depth:	36 in.
Trench Width:	36 in.
Septic Tank Size:	1000
Pump Tank Size:	1000
Estimated Supply Line Length:	142
Supply Line Diameter:	2 in. SCH 40 PVC
Supply Line Volume:	24.71
Dosing Volume:	137.13
Supply Manifold:	4 in. SCH 80 PVC
Supply Manifold Length:	4 ft. (minimum)
Supply Manifold Volume:	N/A
Recommended Float Controls:	SJE Sensor Float Control Switches as Required for Control Panel or County Approved Equivalents
Recommended Control Panel:	SJE-Rhombus Model 112 (NEMA 4x) Control Panel or County Approved Control Panel.
Pressure Head:	2 ft.
Friction Head:	2.53
Elevation Head:	16.00
Total Dynamic Head:	23.61
Threaded Union:	In Tank
Gate Valves:	1 in Tank 1 at Pressure Manifold
Check Valves:	In Tank
Anti-Siphon Hole:	NA
Additional Comments:	[redacted]

2/24/19

Huntington Ridge Lot #18
PRESSURE MANIFOLD DESIGN

DESIGN FLOW:	480
SOIL APPLICATION RATE:	0.4
TOTAL AREA TRENCH BOTTOM:	900
TOTAL LATERAL LENGTH:	300
NUMBER OF FIELDS:	1
LATERAL LENGTH REQUIRED PER FIELD:	300
SUPPLY LINE LENGTH:	142
TOTAL DYNAMIC HEAD:	23.61
MANIFOLD SIZE:	4 in.SCH 80 PVC
DOSING VOLUME:	137.13
PUMP TANK DRAW DOWN*:	6.5
SEPTIC TANK SIZE:	1000
PUMP TANK SIZE:	1000

**Pump tank draw down based on a volume basis of 21 gallons per inch. Draw down may vary among pump tank manufacturers.*

HUNTINGTON RIDGE LOT #18

Project #: 14-1007

LAYOUT FOR 4 BEDROOM HOME

February 13, 2014

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM		4.0			100.00		
INSTR. 1			104.00				
HOUSE CNR				10.00	94.00		
P.TANK				13.00	91.00		
1	***RED***			***2.80***	***101.20***	***75***	***60***
2	***YELLOW***			***3.20***	***100.80***	***60***	***60***
3	***ORANGE***			***3.80***	***100.20***	***70***	***60***
4	***BLUE***			***4.50***	***99.50***	***60***	***60***
5	***PINK***			***5.00***	***99.00***	***48***	***30***
6	***RED***			***6.00***	***98.00***	***37***	***30***
7	YELLOW			6.90	97.10	25	25
TBM		2.0			100.00		
INSTR. 1			102.00				
8	RED			8.80	93.20	67	67
9	ORANGE			9.50	92.50	108	108
10	YELLOW			10.80	91.20	110	110
11	BLUE			11.80	90.20	64	64
					Total	**724**	**674**

* *System*	LINE LENGTH *300*	LTAR GPD/FT² *0.40*	SYSTEM TYPE *ACCEPT.*	SOIL LTAR GPD/FT² *0.40*	TRENCH SYSTEM *25% RED.*	DISTRIBUTION **PRESSURE**
Repair	374	0.30	*MOD.*	0.30	PPBPS	**MANIFOLD** LOW PRESSURE

Notes:

** TBM located at top of ground. (see site plan)
**TBM is assumed to be 100'
**All measures in feet
**Nitrification lines are demonstrated on contour via colored pin flags
**BS, HI, and FS indicate rod readings

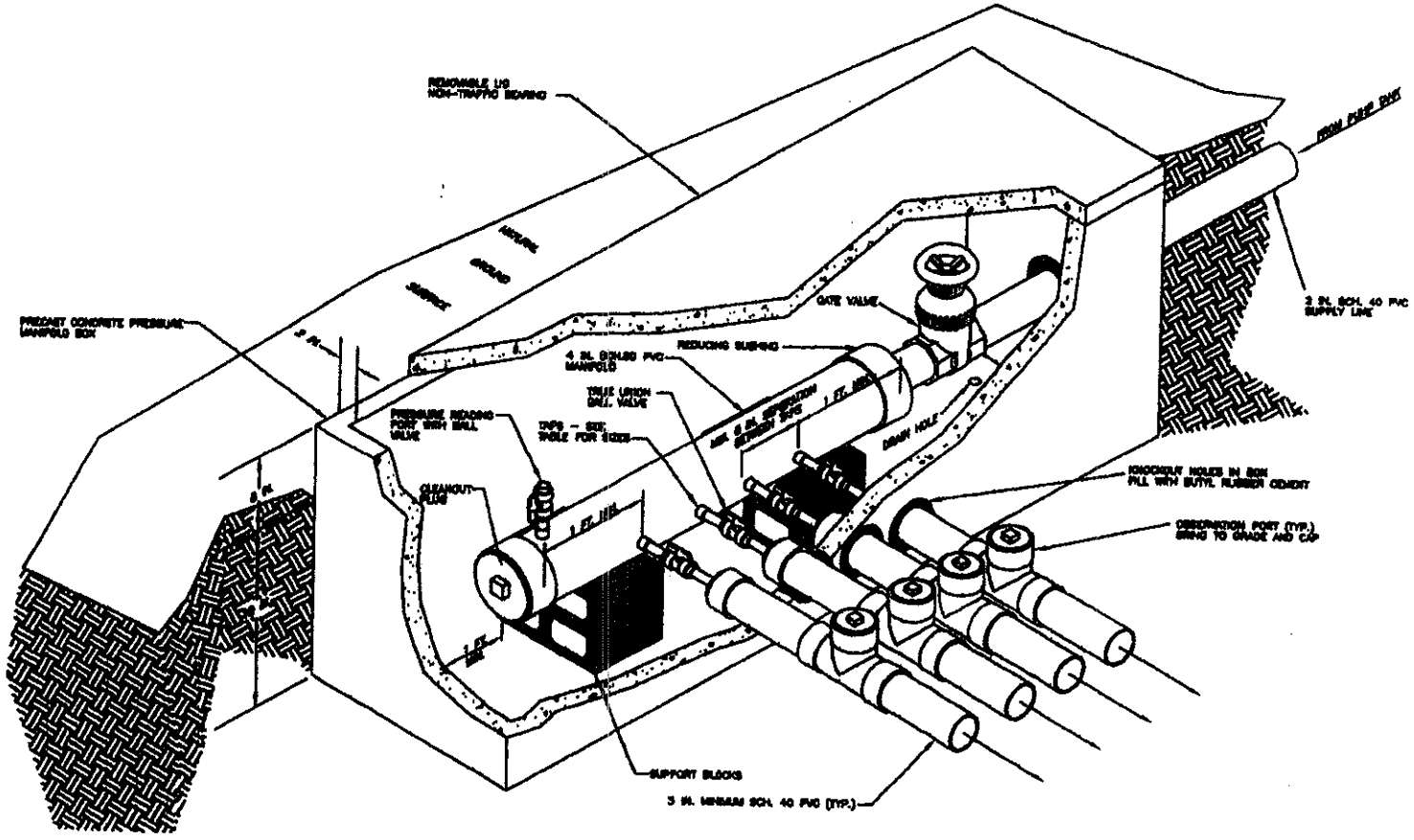
PRESSURE MANIFOLD TAPSHEET - HUNTINGTON RIDGE LOT 18

SYSTEM

Line #	Color	Elevation	Length	Hole Size	Flow/Tap	Trench Area	Line LTAR
1	RED	101.2	*60*	SCH 80 1/2	**5.48**	180	0.15
2	YELLOW	100.8	*60*	SCH 80 1/2	**5.48**	180	0.15
3	ORANGE	100.2	*60*	SCH 80 1/2	**5.48**	180	0.15
4	BLUE	99.5	*60*	SCH 80 1/2	**5.48**	180	0.15
5 + 6	PINK/RED	99/98	*60*	SCH 80 1/2	**5.48**	180	0.15
	total	**feet =**	**300**	**gal/min =**	**27.4**		
			Des. Flow	**480**			
			Pump Run=	**5.00**			
			soil LTAR	**0.4**			
			LTAR +5%	**0.42**			
			LTAR with ACCEPTED	**0.441**			
			LTAR with ACCEPTED + 5%	**0.46305**			

**Use Flow Divider on Lines 5 & 6. Each line is 30' long. Total 60'.

TYPICAL PRESSURE MANIFOLD DETAIL



CALCULATIONS

Location HUNTINGTON RIDGE

Project Number 14-1007

Lot No: Lot 18

No. of Bedrooms	4	
Design Flow	480	$^{gal}/_{day}$
LTAR	0.4	$^{gpd/ft^2}$
25% RED.? (YES OR NO)	YES	
Supply Line Length	142	ft.
Supply Line Volume	24.708	gal.
Required Feet of Line	300	ft.
Amount of Line from Layout	300	ft.
Gallons per Minute	27.4	$^{gal}/_{min}$
Required Septic Tank Capacity	1000	gal.
Minimum Standard Tank Size	1000	
Lateral Line Volume	195.9	gal.
Dosing Volume	137.13	gal.

Note: Dosing Volume based on70% of lateral line volume

Tank Draw Down	6.5	*Generic Draw Down of 21 gal.per in.*
Pump Run Time	5.00	minutes
Elevation Head	16.0	ft.
Pressure Head	2	ft.
Friction Factor	1.78	ft./100 ft. *(From the interpolater.)*
Friction Head	2.53	ft.
Total Dynamic Head (+15%)	23.61	ft.

FRICTION FACTOR INTERPOLATER
2" SCH 40 PVC

GPM	*f*
20	0.84
	-0.88
25	1.27
	-1.28
30	1.78
	-1.76
35	2.37
	-2.25
40	3.03
43.07	3.48
45	3.77
48.14	4.28
50	4.58
57.11	5.89
60	6.42

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

Sheet 1 of 2
PROPERTY ID #: 4605306785
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Mike & Cindy Johnson
ADDRESS: 166 Huntington Ridge Place, Mooresville NC 28115
APPLICATION DATE 2/13/14
DATE EVALUATED: Jan/Feb 2014
PROPOSED FACILITY: 4BR
PROPOSED DESIGN FLOW (.1949): 480
PROPERTY SIZE: 2.097ac
LOCATION OF SITE: Shearer Rd South, Rt on Huntington Ridge Place, Lot at end
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	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
P 1	L/8%	0-5	B l gr	FrSSSPSExP					PS
		5-24	Rcmmsbk/Abk	" " " "					0.3-
		24-34	Rclwfsbk	" " " "	f-csap	34	PS	–	0.35
		34-71	var l mass	" " " "					
P 2	L/6%	0-2	B l gr	FrSSSPSExP					PS
		2-18	RBcwmsbk/Abk	F SSSP SExP					0.35-
		18-22	RYclwfsbk	FrSSSP SExP	c-m sap	22	PS	–	0.4
		22-67	var l mass	" " " "					
P 3	L/5%	0-2	B l gr	FrSSSPSExP					PS
		2-26	Rcwmsbk	FrSSSPSExP					0.3
		26-37	RYclwfsbk	" " " "	f-csap	37	PS	–	Sorry OM cap 2/14/14
		37-65	var l mass	" " " "					
P 4	L/8%	0-5	B l gr	FrSSSPSExP					PS ?
		5-20	Rcwmsbk/Abk	FrSS P SExP					0.3-
		20-42	RB clwfsbk	FrSSSP SExP	f-c sap	42	PS	–	
		42-65	var l mass	" " " "					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	0.4-.35	0.3-.35
Site LTAR	Accepted	PPBPS

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: S. Ashley Rollans & Wendell Overby
OTHER(S) PRESENT:

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet)

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: 4665306785
DATE OF EVALUATION: Jan/Feb 2014
COUNTY: Iredell

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
PS	L/8%	0-14	Rcwmsbk	FFSSPSEXP	- C.sap	22	PS	—	PS 0.35-0.4
		14-22	RYClwfsbk	FrSSSPSEXP					
		22-65	var l mass	" " " "					
PG	L/5%	0-7	Rcwmsbk	FSSSPSEXP	- m.sap	18	PS	—	PS 0.35-0.4
		7-18	RYClwfsbk	FrSSSPSEXP					
		18-65	var l mass	" " " "					
									Soils OK CLF 2/24/14

COMMENTS:

IREDELL COUNTY

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

APPLICATION NUMBER
201620
Issue Date: 03/04/2014

Permit Type: IMPROVEMENT PERMIT APPLICATION

Parcel Number	Street Address	Jurisdiction
4665306785.000	166 HUNTINGTON RIDGE PLACE	MOORESVILLE

Owner Information	Applicant Information	Contractor Information
Owner: JOHNSON MIKE+CINDY Address: 5902 CHINQUAPIN CT CHARLOTTE, NC 28269 Phone:	Applicant: JOHNSON, CINDY Address: 166 HUNTINGTON RIDGE PLACE MOORESVILLE, NC 28115 Phone: 704-777-6129	Contractor: JOHNSON, CINDY Address: 166 HUNTINGTON RIDGE PLACE MOORESVILLE, NC 28115 Phone: License Type License Number

Project Description

NEW SINGLE FAMILY - IREDELL

Scope of Work

FAST TRACK

Permit Details:

	AUTHORIZATION CONSTRUCT	Amount:	500.00
	IMPROVEMENT PERMIT FEE	Amount:	350.00
		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: 03/04/2014

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	7347	TOTAL FEES:	$ 850.00

IREDELL COUNTY HEALTH DEPARTMENT

ENVIRONMENTAL HEALTH DIVISION

PAGE 1: *APPLICATION FORM*

Application For: ( ) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
( ) Septic Improvement Permit (✓) Authorization to Construct ( ) Existing System Inspection ( ) 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: ( ) 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: 704-201-8256 Call Mitchell when ready

Applicant Name: Timeline Construction NC **Address:** P.O. Box 3345, Mooresville, NC 28117 **Phone:** 704-201-8256

Owner Name: Mike Sonnson **Address:** 5902 Sardis Rd. Charlotte, NC 28270 **Phone:** 704-231-6816

Property Information:

Street Address: 166 Huntington Ridge, Mooresville NC 28115

Subdivision Name: Huntington Ridge **Section/Phase:** _____ **Lot Number:** 18

Driving Directions: Sheares Rd - TR Huntington Ridge - on RT at end

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

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

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

(✓) 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:

(✓) New Well ( ) Existing Well ( ) 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 ( ) Innovative ( ) Modified Conventional ( ) Other: _____

Please answer the following to the best of your ability:

( ) Yes (✓) No **Does the site contain any jurisdictional wetlands?**
( ) Yes (✓) No **Is any non-domestic sewage (i.e. industrial) to be generated?**
( ) Yes (✓) 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: Timeline Construction NC Inc By: _____ 3/12/14
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) **DATE**

IREDELL COUNTY HEALTH DEPARTMENT

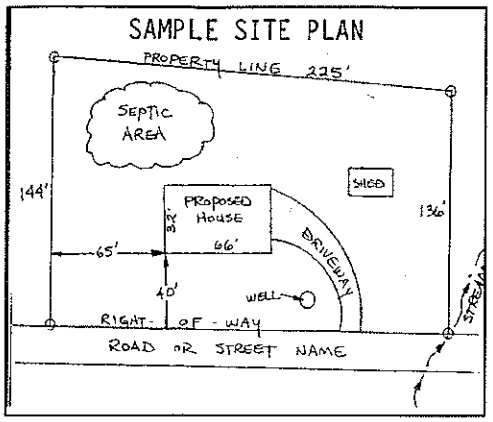
ENVIRONMENTAL HEALTH DIVISION

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:

- (✓) Property Line measurements are clearly identified
- (✓) All proposed structures are indicated
- (✓) 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

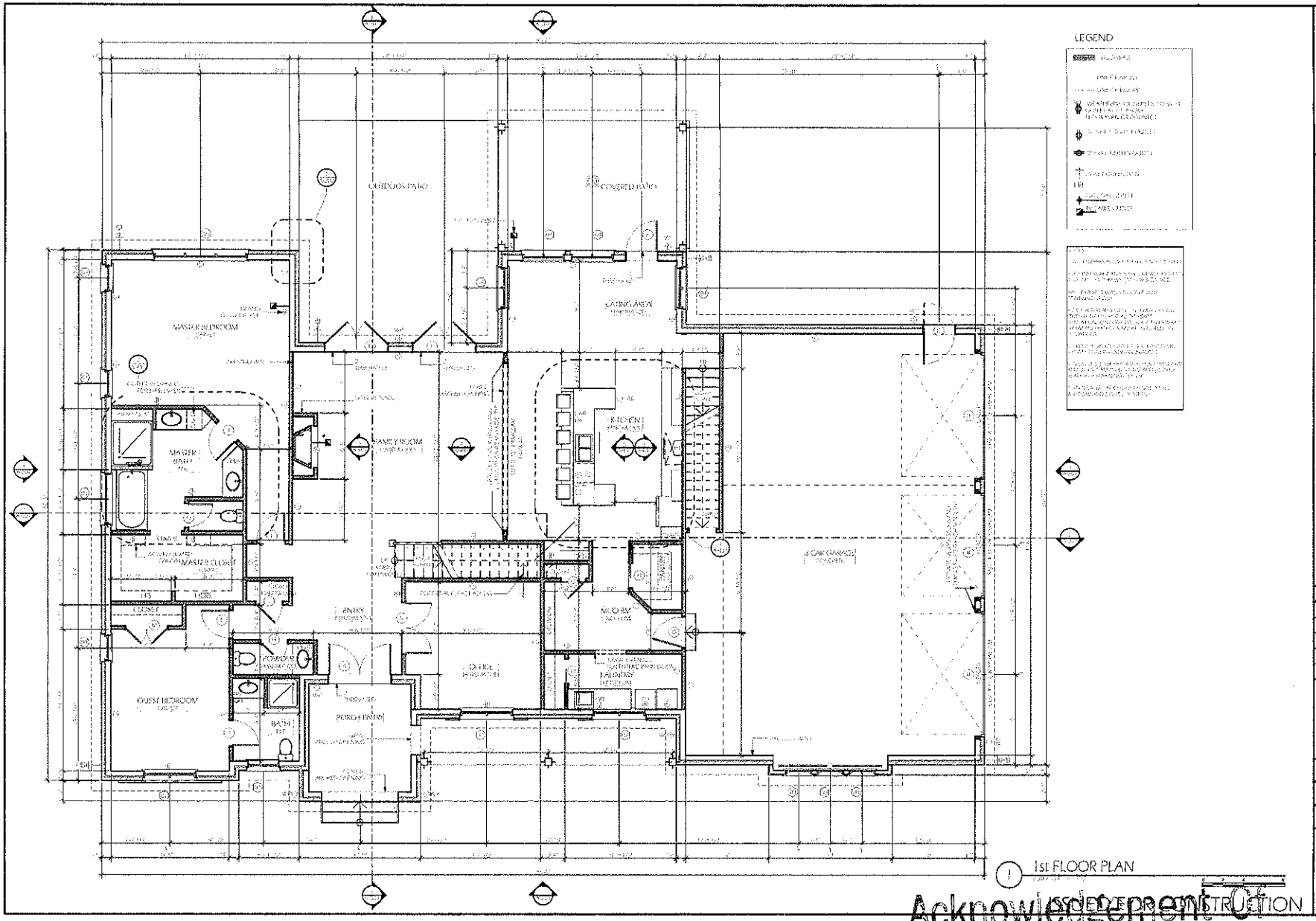
USE THIS SPACE TO DRAW YOUR SITE PLAN

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

Please see Attached

Signature: Fineline Construction NC, Inc. By: _____ 3/12/14

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



1 1st FLOOR PLAN

Acknowledgement of Plans Submittal ONLY!

Date 3/25/14

APPROVED Date MAR 14 2014

JBA
JENNIFER BENSON ARCHITECTURE
5803 PARKSTONE DR.
MATTHEWS, NC 28104
704-930-8592
707-625-7116 FAX
www.JENBARCHITECTURE.com

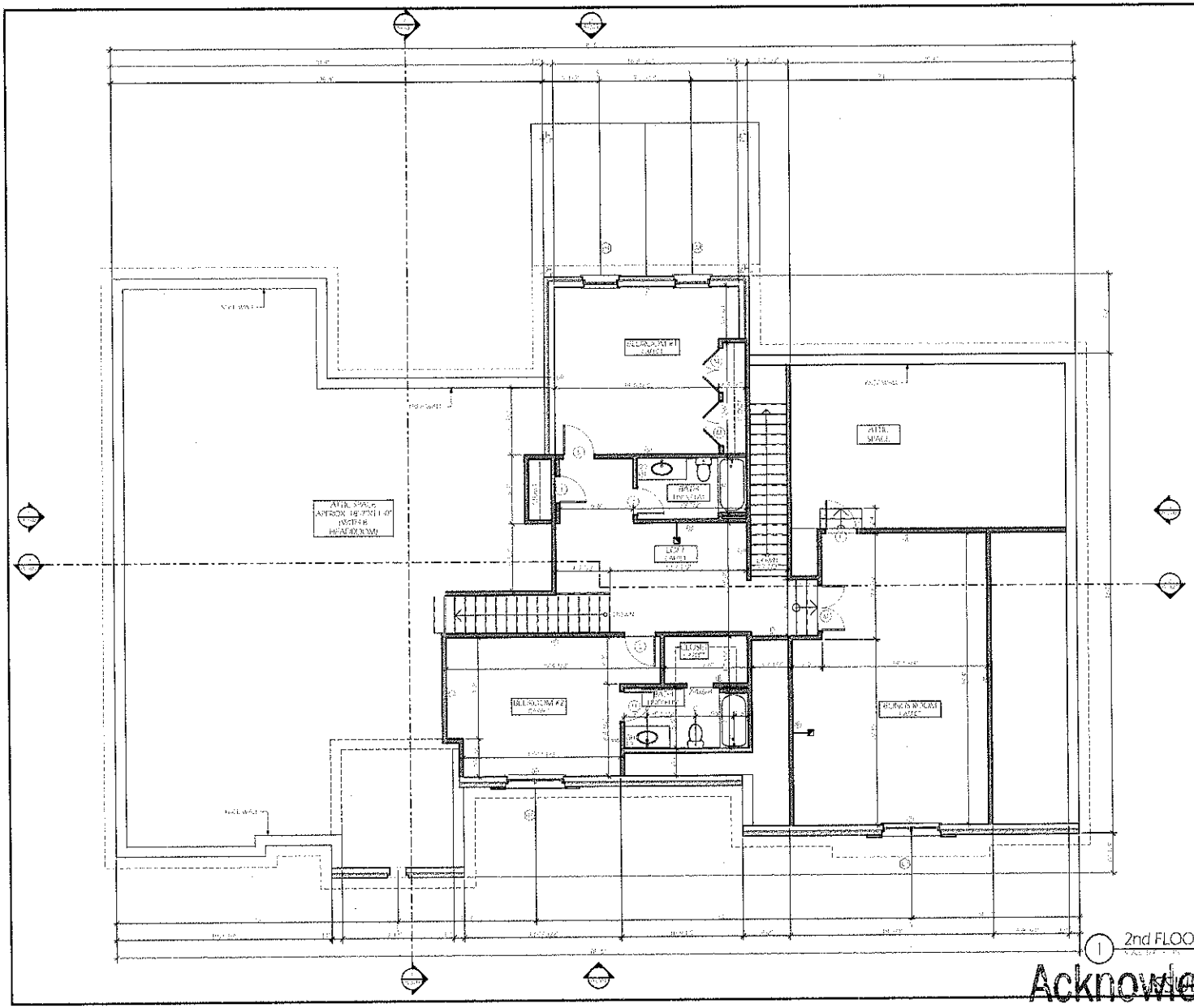
JOHNSON RESIDENCE
166 Huntington Ridge Place
Mooresville, NC 28115

Date:	Revision:

DATE:	DRAWN BY:
11-14-13	JAB/CG
SCALE:	PROJECT NO:
	12.300

SHEET TITLE: 1st FLOOR PLAN

SHEET NO.: A-103



1 2nd FLOOR PLAN

NOT FOR CONSTRUCTION

Acknowledgement Of
Plans Submittal ONLY!
Date 3/12/14
APPROVED MAR 14 2014
Date

JBA
JENNIFER BENSON ARCHITECTURE
5803 PARKSTONE DR.
MATTHEWS, NC 28104
704-930-8592
707-625-7116 FAX
www.JENSARCHITECTURE.com

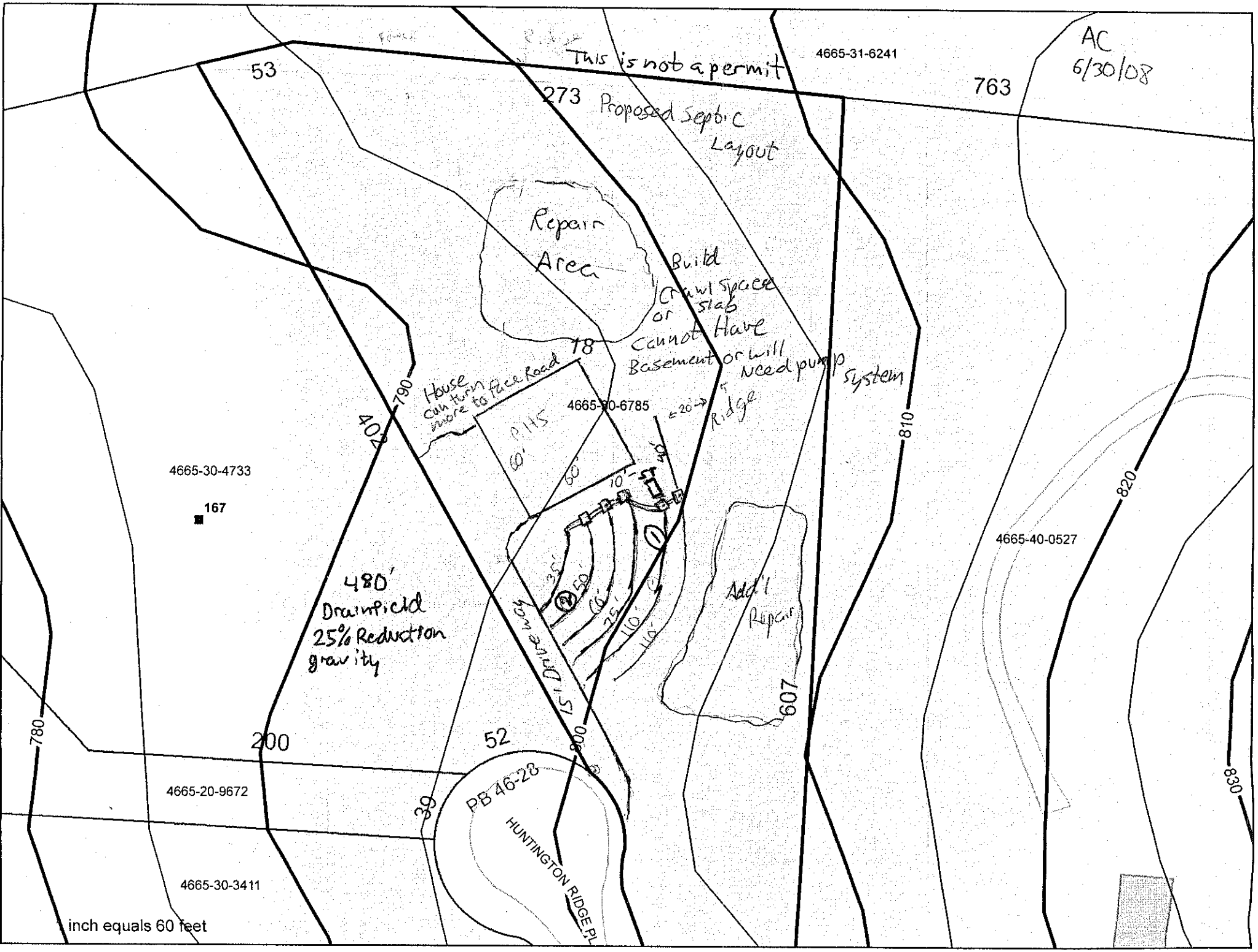
JOHNSON RESIDENCE
166 Huntington Ridge Place
Mooresville, NC 28115

Δ	Date:	Revision:

11-14-13	JAB/CG
	12.300

2nd FLOOR PLAN

A-104


This is not a permit
AC
6/30/08
Proposed septic
Layout
Repair
Area
Build
Crawl space
slab
or
Cannot Have
Basement or will
Need pump
system
House
can turn
more to Face Road
Ridge
4665-31-6241
4665-30-6785
4665-30-4733
4665-40-0527
4665-20-9672
4665-30-3411
167
480'
Drainfield
25% Reduction
gravity
Add'l
Repair
PB 46-28
HUNTINGTON RIDGE PL
53
273
763
78
200
52
39
790
780
810
820
830
807
1 inch equals 60 feet

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

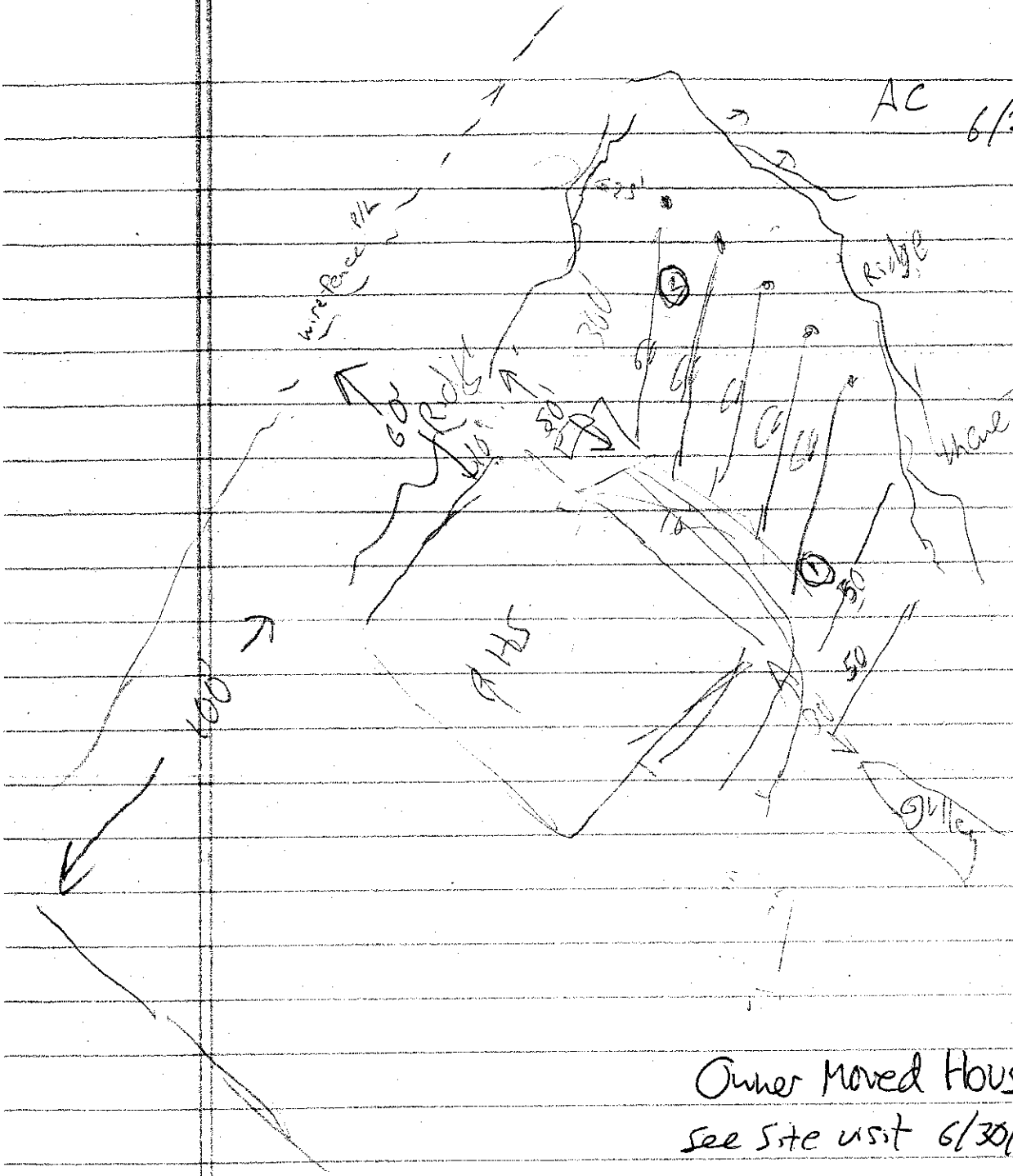
OWNER: _____ APPLICATION DATE _____
ADDRESS: _____ DATE EVALUATED: 6/23/08
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): 480 PROPERTY SIZE: _____
LOCATION OF SITE: Huntington Ridge Lot 18 Redraw PROPERTY RECORDED: _____
WATER SUPPLY: ☐ Private ☐ Public ☑ Well ☐ Spring ☐ Other _____
EVALUATION 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	L 3%	0-10	msbkCL	fr ss sp so					PS .3 Monitor 28"
		10-29	msbk C	fr ss sp so					
		29-35	msbk C	fr ss sp so	few Sap				
		35-41	msbk CL	fr ss sp so	Many Sap				
		41-48	Mass L Sap	vfr ns np	wht/Gray				
2	L 3-5%	0-35	msbk/mk C	fr ss sp so					PS .275-.3
		35-48	msbk C	fr ss sp so	few Sap				
		Keep System	28" Max Depth						
3									
4									

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

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

AC 6/23/08


wire fence
Ridge
Gravel
Gravel
Gravel

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: 6/30/08
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
LOCATION OF SITE: Huntington Ridge Lot 18 Redraw 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	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
1	L 3-5%	0-20	mSbk/Abk C	P, SSSpSSxp					P5 .25
		20-48	mAbk BRC	P, SSSpSSxp					
2	L 3-5%	0-6	mSbk Stbk C	P, SSSpSSxp					P5 .25
		6-46	mAbk C	P, SSSpSSxp					
		46-48	mAbk C	P, SSSpSSxp	Rm Sp				
3									
4									

N	INITIAL SYSTEM	REPAIR SYSTEM

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

S SHOWN ARE HORIZONTAL GROUND OR AS NOTED.

ETERMINED BY COORDINATE COMPUTATION.

NERS ARE LABELED AS SHOWN.

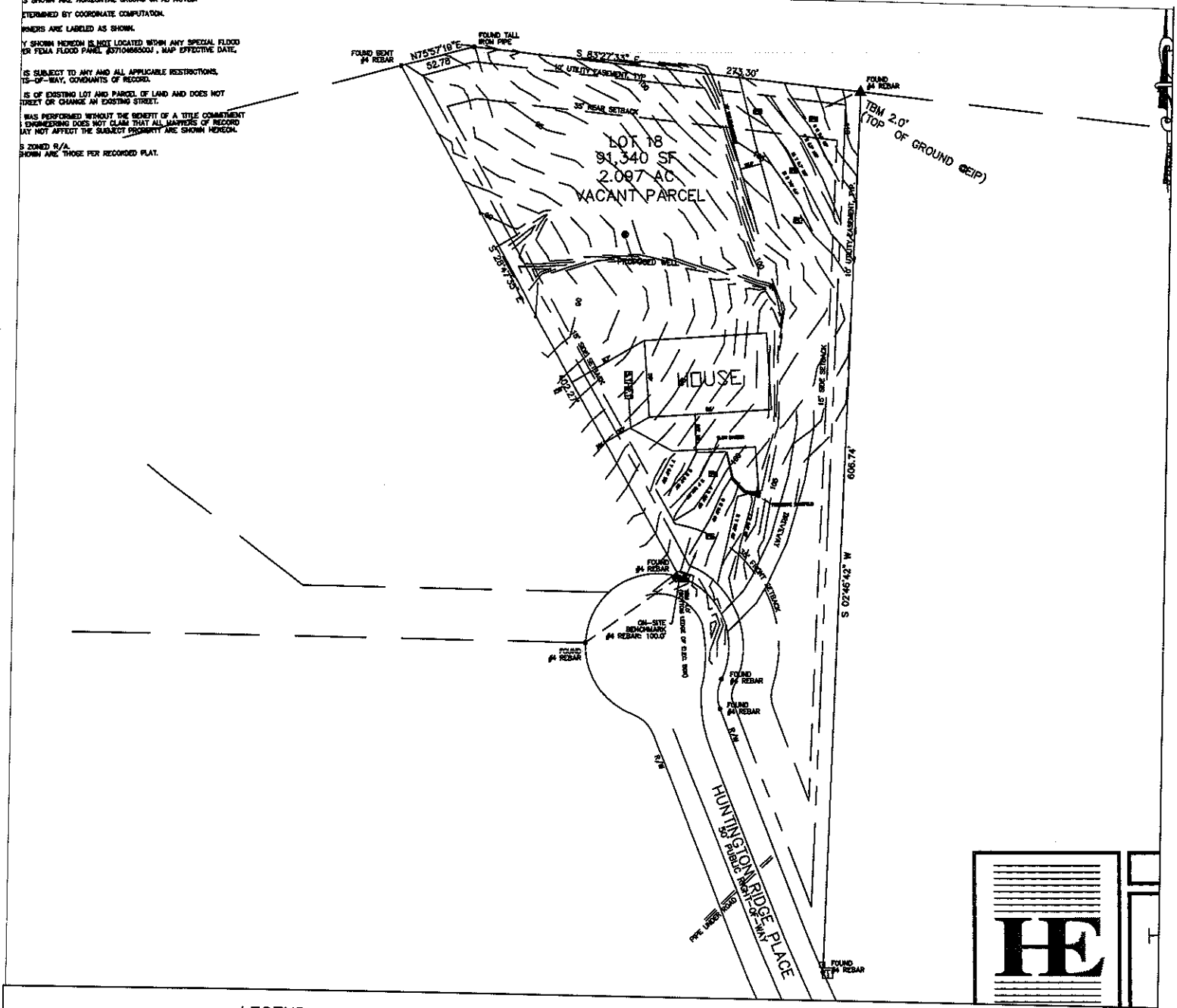
Y SHOWN HEREON IS NOT LOCATED WITHIN ANY SPECIAL FLOOD ER FEMA FLOOD PANEL #3710466500J , MAP EFFECTIVE DATE,

IS SUBJECT TO ANY AND ALL APPLICABLE RESTRICTIONS, TS-OF-WAY, COVENANTS OF RECORD.

IS OF EXISTING LOT AND PARCEL OF LAND AND DOES NOT TREET OR CHANGE AN EXISTING STREET.

WAS PERFORMED WITHOUT THE BENEFIT OF A TITLE COMMITMENT ENGINEERING DOES NOT CLAIM THAT ALL INHIBITIONS OF RECORD AY NOT AFFECT THE SUBJECT PROPERTY ARE SHOWN HEREON.

S ZONED R/A.
SHOWN ARE THOSE PER RECORDED PLAT.



LEGEND

- Areas contain soils with 24 inches or more of useable material and have potential for conventional, modified conventional and low-pressure pipe (lpp) septic systems.
- House Footprint
- System lines.
- Repair lines.
- Temporary Bench Mark (TBM)
- (W) Well Location.
- (25) Pit/Boring Location.

GRAPHIC SCALE
1" = 100'

100 0 100 200

FOR PRELIMINARY PLANNING PURPOSES ONLY. ALL LOTS WILL REQUIRE FINAL APPROVAL BY THE COUNTY HEALTH DEPARTMENT ON A LOT BY LOT BASIS. THIS MAP SHOULD BY USED AS A GENERAL GUIDE, SOME ADJUSTMENTS WILL BE NECESSARY IN THE FIELD DUE TO SOIL VARIABILITY AND COMPLEX TOPOGRAPHIC FEATURES. THIS MAP ONLY REFLECTS EXISTING SOIL SUITABILITY FOR ON-SITE SEPTIC TANK SYSTEMS.

PLEASE REFER TO ATTACHED SOIL REPORT FOR ADDITIONAL SITE SPECIFIC INFORMATION

SOIL & FORESTRY SERVICES OF THE CAROLINAS, PA
P.O. BOX 832
MOORESVILLE, NC 28115
PHONE/FAX: (704) 278 - 0989
ASHLEY ROLLANS, NC LICENSED SOIL SCIENTIST
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MAP TITLE: SITE PLAN & DRAINFIELD AREAS

PROJECT NAME: MIKE JOHNSON / HUNTINGTON RIDGE SUBDIVISION LOT 18

LOCATION/DATE: 144 HUNTINGTON RIDGE PLACE IREDELL COUNTY, NORTH CAROLINA FEBRUARY 2014

JOB # : 14-1007
FILE: C:\JOBS\14-1007
PROJECT MGR.: W.O.
FIELD WORK: W.O. & S.A.R.
DRAWN BY: W.O. & S.A.R.