IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625

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

PERMIT # 223300

PIN # 4712-72-0151 ✓

APPLICANT: Jimmy / Eugene Moore

APPLICANT ADDRESS: 1364 Buffalo Shoals Road

SITE ADDRESS: ✓ 2032 Buffalo Shoals Rd. Statesville, NC

PHONE: 704-528-9498 ALT. PHONE:

SITE DIRECTIONS: Buffalo Shoals W from Statesville → site on right after old Mountain Rd. intersection

SUBDIVISION: —

SECTION: — LOT # — LOT AREA: 2.00 acres DESIGN FLOW: 360 GPD L.T.A.R.: 0.275

Septic Tank	1000 (gal)	STB	744	Date	11/15/17	☒ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI
Pump Tank	— (gal)	PT	—	Date	—	System Description:	25% Reduction		
Pump Make	—	Model	—	Serial #	—	Repair System Description:	25% Reduction		
# Nitrification Fields	1	# Lines	3	Linear Ft:	328	Maintenance Agreement Required:	☐ YES	☒ NO	
Trench Width	36"	Trench Bottom Depth	30" (high side)	Gravel Depth	—		☒ GRAVITY	☐ PRESSURE	

☒ Residence ☐ Business ☐ Other ☐ Slab ☐ Basement w/plumbing

No. Bedrooms 3 No. Persons 6 No. Employees — ☒ Crawl Space

Water Supply: ☒ Private ☐ Public ☐ Community

☐ Basement w/o plumbing

Comments / Conditions: Follow all N.C. septic rules. Recommend pumping septic tank every 3-5 years. Per floor plans provided, a 2-Bedroom house is to be constructed. Any additional bedrooms added in the future must be approved by the ICHD. The system MUST be installed as permitted.

A Quick 4 Inflator Distributor.

A See attached Letter from Energy United.

INITIAL SITE SKETCH

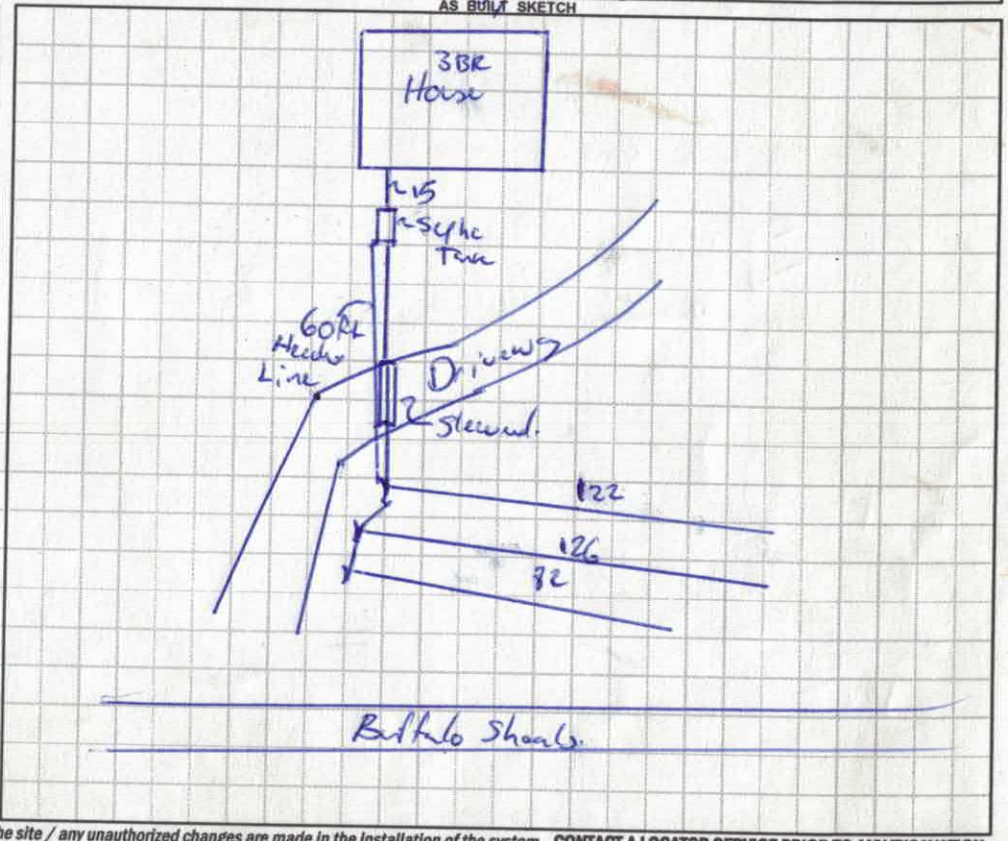
See attached septic plans from

Rollans Soil + Env. Services, P.A.

Ashley Rollans LSS# 1231

Received 1-27-2017
Revised 2-3-2017

AS BUILT SKETCH



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. CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION

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

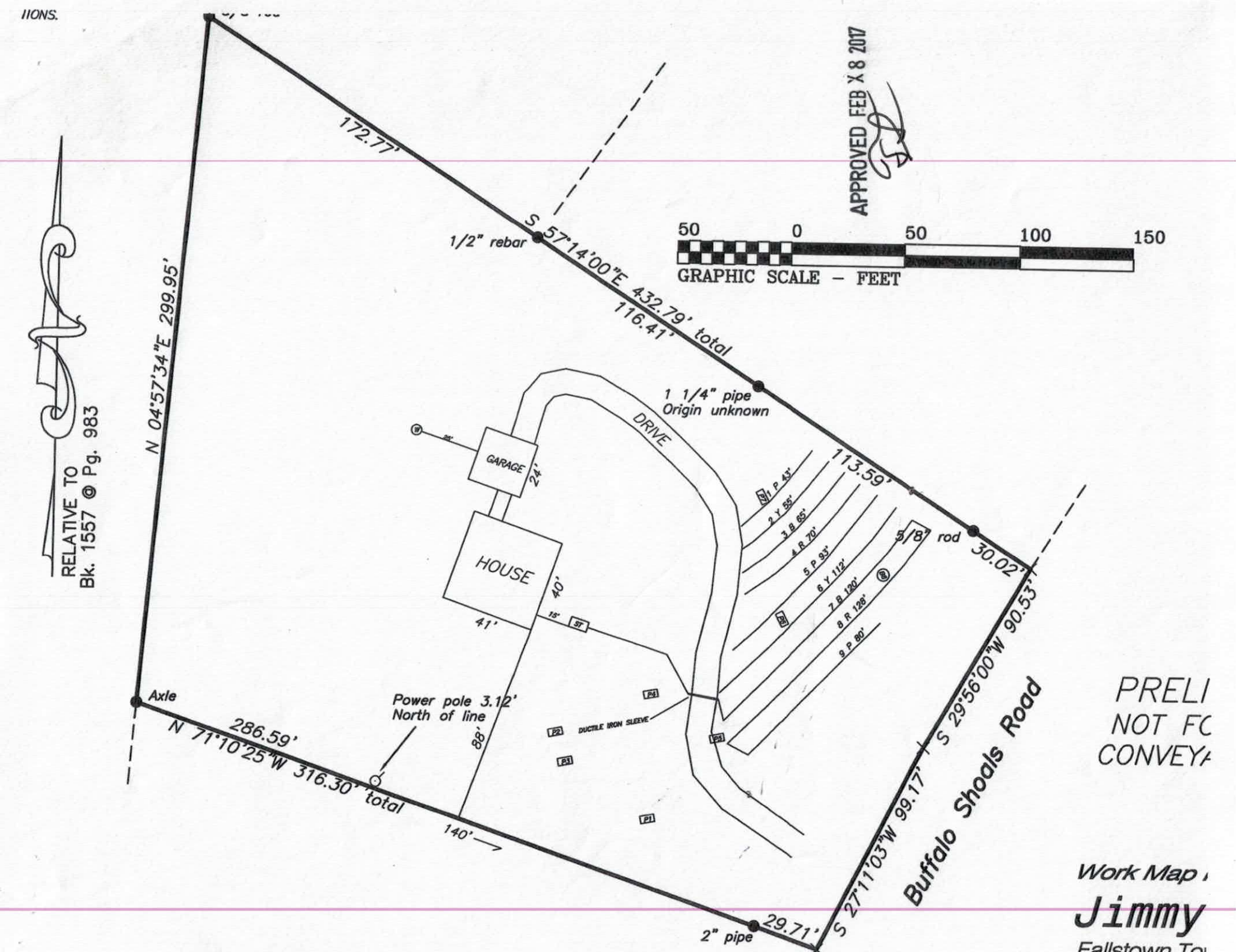
Owner / Applicant Signature: [signature] Date: 2-15-17 Installed by: Charles Beatty Grady

IMPROVEMENT PERMIT by: Tom Shuck Date: 2-8-17 OPERATION PERMIT by: Benjamin A Bolling Date: 12/28/2017

AUTHORIZATION TO CONSTRUCT by: Tom Shuck Date: 2-8-17 Existing System Inspected by: Date:

Health Dept. Copy - WHITE

IIONS.



PRELI
NOT FC
CONVEYA

Work Map
Jimmy
Fallstown To

COPY

ROLLANS *Soil & Environmental Services, PA.*

P.O. Box 832, Mooresville, NC 28115 Phone: (704) 746-5046 Fax: (704) 278-0989

Ashley Rollans, *NC Licensed Soil Scientist, Certified Septic Installer, Certified Wastewater Operator & Certified Septic Inspector* **Contacts:** *704.746.5046*
Email: *rollans.ashley@yahoo.com*

Project Number: *01-3242*
Date: *10/5/16*

JIMMY MOORE
Attn: *Sarah Dyson*
Email: sarah.dyson839@gmail.com

Re: On-Site Wastewater Evaluation for a 3 Bedroom Residence on a 2.0 acre parcel off Buffalo Shoals Road, Statesville, Iredell County, NC.

Dear Jimmy,

Rollans Soil & Environmental Services, PA has performed a Preliminary Soil Evaluation on the above mentioned property in Iredell County, NC. The purpose of the evaluation was to determine available space requirement for a 3 bedroom onsite wastewater system. The evaluation was performed on October 4th, 2016.

The findings from our evaluation are illustrated on the attached Site Plan. Additional documentation of the soil evaluation is detailed in the NCDENR for Soil Profile Descriptions.

Soil/Site Suitability
Seven backhoe pits (Pit 1 – Pit 7) were evaluated on the front portion of the property to determine the overall soil suitability for an onsite wastewater system installation. Of these seven pits all but Pit 2 were found to be provisionally suitable for Conventional, Modified Conventional and/or Accepted subsurface wastewater systems. These soil profile descriptions are most similar to the Cecil/Pacolet Soil Series'. Recommended LTAR is 0.275 - 0.3gpd/ft2. The square footage requirement for a 3bedroom Conventional or Accepted System (system and repair) is 6000 – 10,000. **We have determined that there is sufficient available space to support a drainfield for the proposed residence. The placement of your house and well must be planned carefully to accommodate the system and allow for a gravity flow system. We would be glad to assist you in obtaining an Improvements Permit from Iredell County.** This will require additional siting of the septic system and repair, house, driveway and well.

Rollans Soil & Environmental Services, PA has appreciates your business and looks forward to working with you in the future. Please let us know if you need any further assistance or have questions in regards to this project.

Thank you
S. Ashley Rollans
NC Licensed Soil Scientist #1231
NC Certified Operator
NC Certified Septic Installer
NC Certified Septic Inspector

10/5/16

See Attached: *Site Plan*
Soil Profile Descriptions

RECEIVED JAN 27 2016

ROLLANS ***Soil & Environmental Services, PA.***
P.O. Box 832 Mooresville, NC 28115 Phone: (704) 658-1723 Fax: (704) 278-0989

Ashley Rollans, NC Licensed Soil Scientist
Mobile: (704) 746-5046
Email: rollans.ashley@yahoo.com

Attached is a proposed design for an Accepted Septic System with gravity dist. for a 3 bedroom single family residence at 2032 Buffalo Shoals Road, Statesville (PIN 4712720151), Iredell County, North Carolina, 28677.

Contents:

	Page
Information for the Installer	1
Design Information	
Design Specifications	2-3
Layout Specifications	4
Site Plan/System Plan	5
Calculations	6
Profile Descriptions	7
Expedited Review Process Checklist	8
Zoning Permit & Receipt	SUBMITTED
Application	SUBMITTED
Green Sheet	SUBMITTED
Agent Authorization Form	9

January 26, 2017
Project #: 01-3242
Design By: Rollans Soil & Environmental Services, PA

INFORMATION FOR THE INSTALLER:

The permit should be read very carefully prior to bidding. The following are details that must be considered along with all other considerations.

- Tanks shall be approved by NC DHHS, and certification supplied by the manufacturer.
- Tanks shall be water tested prior to installation.
- The installer shall be responsible to the owner for placement of the tanks and to insure that final grades are returned to the original natural grade, with exception of added structural features.
- The supply trench shall be compacted to eliminate cavities left during initial fill placement.
- Installation of the system shall be during dry conditions in order to protect the soil structure.
- All fittings shall be pressure rated fittings.
- All joints shall be cleaned with PVC pipe cleaner and a heavy bodied glue applied to weld all joints.
- Where required by the county health department, post installation inspections by the designer must be scheduled 5 week days in advance.
- Trenches shall be carefully excavated so the bottom is within 2" from the highest to . the lowest points of elevation within the trench. If the bottom elevation needs adjusting after it has been trenched, it will be done by removing high points rather than filling low points. It is extremely important to insure that trenches are not over excavated during initial trenching. All fine grading within the trench will be hand done with a shovel. No loose material will be left in the trench
- All pipe openings in the tanks shall be properly grouted. This also applies to the joints around the riser.
- All tanks shall be properly back filled and compacted to prevent slump at a later date.
- Earth dams, constructed of relatively impervious material, shall be installed at the beginning and end of each lateral.
- No heavy equipment shall be used on the field during or after installation. The use of a small loader (i.e. Bobcat) or a trencher (i.e. Ditch Witch 2300/2310) may be used for installation.
- Elevations at pinflag locations should be checked by the installer prior to beginning trenches.
- Septic tank riser shall be a minimum of 6" above finished grade.
- System is specified as a gravity 25% reduction (Accepted) installation.
- Repair is specified as a PPBPS system with low pressure distribution.
- **Supply line under driveway must be sleeved in ductile iron pipe.**

GRAVITY ACCEPTED SYSTEM FOR WASTEWATER TREATMENT

Applicant: Rollans Soil

Address: P.O. Box 832
Mooresville, NC 28115

Phone: 704.746.5046
County: Iredell
Location: 2032 Buffalo Shoals Road
PIN (4712720151)
Source of Wastewater Flow: 3 Bedroom Single Family Residence
Estimated Gallons Per Day Flow: 360
System Flow: N/A

Design Specifications

Drainfield Size: 328
Loading Rate (gpd/ft.^{2}): 0.275
Depth of Gravel in Trench: N/A
Gravel Size: N/A
Trench Depth: 30 in.
Trench Width: 36 in.
Septic Tank Size: 1000

Repair Trench Bottom ~~30~~ 22 in. SAR

Estimated Supply Line Length: 70
Supply Line Diameter: 4 in. SCH 40 PVC
Supply Line Volume: 45.71
Dosing Volume: N/A
Supply Manifold: N/A
Supply Manifold Length: N/A
Supply Manifold Volume: N/A

Recommended Float Controls: N/A

Recommended Control Panel: N/A

APPROVED FEB X 8 2017

Pressure Head: N/A
Friction Head: N/A
Elevation Head: N/A
Total Dynamic Head: N/A

Threaded Union: N/A
Gate Valves: N/A

Check Valves: N/A
Anti-Siphon Hole: N/A
Additional Comments: Soil suitability was performed by Rollans Soil & Environmental Services

2032 Buffalo Shoals Road

ACCEPTED SYSTEM

DESIGN FLOW (gpd):	360
SOIL APPLICATION RATE (gpd/ft.^{2}):	0.275
TOTAL AREA TRENCH BOTTOM:	984
TOTAL LATERAL LENGTH:	328
NUMBER OF FIELDS:	1
LATERAL LENGTH REQUIRED PER FIELD:	327.2727273
SUPPLY LINE LENGTH:	70
TOTAL DYNAMIC HEAD:	N/A
MANIFOLD SIZE:	N/A
DOSING VOLUME:	N/A
PUMP TANK DRAW DOWN*:	N/A
SEPTIC TANK SIZE:	1000

APPROVED FEB X 8 2017

Layout Specifications - 2032 Buffalo Shoals Road

Project #: 01-3242

LAYOUT FOR 3 BEDROOM HOME — January 26, 2017

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM							
INSTR. 1							
1	PINK					43	43
2	YELLOW					55	55
3	BLUE					65	65
4	RED					70	70
5	PINK					93	93
6	YELLOW					112	112
7	***BLUE***					***120***	***120***
8	***RED***					***128***	***128***
9	***PINK***					***80***	***80***
					Total	**766**	**766**

	LINE LENGTH	LTAR GPD/FT2	SYSTEM TYPE	SOIL LTAR GPD/FT2	TRENCH SYSTEM	DISTRIBUTION
**** System***	***328***	***0.275***	***ACCEPT.***	***0.275***	***25% RED***	***GRAVITY***
Repair	438	0.275	~~MOD.~~ CONV. ACCEPT SAR	0.275	~~PPBPS~~ 25% RED. SAR	LOW PRESSURE

Notes: **All measures in feet

**Nitrification lines are demonstrated on contour via colored pin flags

APPROVED FEB X 8 2017

CALCULATIONS

Location 2032 Buffalo Shoals Road
Statesville, NC 28677
Project Number 01-3242

Lot No: NA

No. of Bedrooms 3

Design Flow 360 $^{gal}/_{day}$

LTAR 0.275 $^{gal}/_{ft^2\ day}$

PPBPS? (YES OR NO) NO

Supply Line Length 70 ft.

Supply Line Volume 45.71 gal.

Required Feet of Line 327.2727 ft.
Amount of Line from Layout 328 ft.

Gallons per Minute N/A $^{gal}/_{min}$

Required Septic Tank Capacity 1000 gal.
Septic Tank Size 1000 gal.

Panel Volume N/A gal.
# of Panels N/A
Dosing Volume N/A gal.

Tank Draw Down N/A

Pump Run Time

Elevation Head N/A ft.
Pressure Head N/A ft.
Friction Factor N/A ft./100 ft. *(From the interpolater.)*
Friction Head N/A ft.

Total Dynamic Head (+15%) N/A 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

APPROVED FEB X 8 2017

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

Sheet 1 of 2
PROPERTY ID #: 4712720561
COUNTY: Iredell

SOIL/SITE EVALUATION
***for* ON-SITE WASTEWATER SYSTEM** APPROVED FEB X 8 2017
(Complete all fields in full)

OWNER/Buyer: Jimmy Moore
ADDRESS: ~~No Address~~ 1364 Buffalo Shoals Road, Statesville NC 28677
PROPOSED FACILITY: 3BR
LOCATION OF SITE: 2032 Buffalo Shoals Road, Statesville, NC 28677

APPLICATION DATE 12/2016
DATE EVALUATED: 10/4/16
PROPERTY SIZE: ± 2 ac
PROPERTY RECORDED: Yes

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
P1	2/4%	0-6	Blsr	FrSSSPSEKP	-fsap	56"	N	—	PS 0.3
		6-39	Rcmmsbk	" " " "					
		39-56	Rclwmsbk	" " " "					
P2	2/5%	0-6	Blsr	FrSSSPSEKP		19"	N/A	19"	UN
		6-19	Rcmmsbk	" " P "					
		19-40	>50% Rock						
P3	2/5%	0-5	Blsr	FrSSSPSEKP		64"	—	—	PS 0.3
		5-53	Rcmmsbk/Abk	FrSSPSEKP					
		53-64	Rclwmsbk	FrSSSPSEKP					
P4	2/5%	0-30	RB cwmsbk/Abk	FrSSPSEKP		45	PS	—	PS 0.275-0.3
		30-45	RB clwmsbk	FrSSSPSEKP					
		45-60	Varslmass	FrSSSPSEKP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	Accepted/PPBPS	Accepted/PPBPS
Site LTAR	0.275-0.3	0.275-0.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: S. Ashley Rollins
OTHER(S) PRESENT:

COMMENTS: Soils verified OK by Tom Shuck on 2-3-2017

SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH
ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

PROPERTY ID #: 4712720151
DATE OF EVALUATION: 10/4/16
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
P5	L/5%	0-5	B l gr	Fr SSS P SE XP		55	—	—	PS 0.3
		5-36	Rc wms bk	" " " "					
		36-55	Rc l wms bk	" " " "					
P6	L/1%	0-6	B l gr	Fr SSS P SE XP		56	T	—	PS 0.275-0.3
		6-24	RBC wf Abk/sbk	Fr SS P SE XP					
		24-56	RBC wf sbk	Fr SS SP SE XP	- fr csap - f WR relas				
P7	L/5%	0-7	B l gr	Fr SSS P SE XP		32	PS	—	PS 0.275-0.3
		7-32	RBC wf Abk/sbk	Fr SS P SE XP					
		32-60	var sl mass	Fr NS NP NE XP					
B8	L/7%	0-7	BR SL/CL	WE SBK FR SSS P		48			PS .3
		7-38	BRC	WMS BK FR SSS P					
		38-48	RBR CL	WE SBK FR SSS P	[few s p]				
					APPROVED FEB X 8 2017				

COMMENTS:

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

Sheet ___ of ___
PROPERTY ID #:
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM
(Complete all fields in full)

OWNER: Jeffrey Moore
ADDRESS:
APPLICATION DATE 1-27-17
DATE EVALUATED: 1-4-17
PROPOSED FACILITY: 3 BR House PROPOSED DESIGN FLOW (.1949): 360 GPD
PROPERTY SIZE: 2.00 acres
LOCATION OF SITE: 2032 Buffalo Shoals Rd. Statesville
PROPERTY RECORDED: Yes
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	Repair	0-4	SCL V. weak SBK	Sl. Friable, SS, SP, SexP					0.275 PS
		4-31	Clay Ctrace, W. SBK saprolite	Sl. Firm, SS, SP, SexP					
		31-44	Clay Loam + Saprolite W/SBK	Sl. Friable, SS, SP, SexP					
		44-48	Sandy Saprolite MA	very Friable + well drained					
2	Primary	0-5	SCL V. weak SBK	Sl. Firm, SS, SP, SexP	some small gravels/pebbles Yellow mottles @ 14-18"+				0.275 PS
		5-35	Clay (Dense in place) M. SBK	Firm, Sticky, SP, SexP					
		35-48	CL + Soap W. SBK	Sl. Firm, SS, SP, SexP					
3									
4									

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

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

COMMENTS:

Rec'd 12/1/16 # 223300
Paid $500.00

IREDELL COUNTY HEALTH DEPARTMENT
Environmental Health Division
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: (✓) 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: ___ Survey Plat, Scaled no more than 1 Inch = 60 Feet
Place check ( ) beside whichever is submitted if applicable ___ Custom Site Plan, Scaled no more than 1 Inch = 60 Feet

3. Applicant Information:

Applicant Name	Mailing Address		Home Phone #	Alternate Phone #
Jimmy/Eugene Moore	1364 Buffalo Shoals Rd	Statesville 28677	704-528-9498	~~Alternate~~ Home

Owner Name	Mailing Address		Home Phone #	Alternate Phone #
Jimmy/E Moore	1364 Buffalo Shoals Rd	Statesville 28677	704-528-9498	

4. Property Information:

Street Address	~~Subdivision Name~~	Section/Phase and Lot Number
2032 Buffalo Shoals Road Statesville NC 28677		NA

Driving Directions: Buffalo Shoals Rd to Eufola Rd. Lot desion of ~~Cemetery~~ cemetery on corner.

****

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

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

Maximum Number of Bedrooms 3
Maximum Number of Occupants ___
If Expansion, Current Number of Bedrooms ___

(✓) Crawl Space Foundation?
( ) Concrete Slab Foundation?
( ) 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 ( ) 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_____ ( ) No Preference

****

8. 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. industry) 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.

9. Signature: _____ 12-01-2016
Property Owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

December 13, 2017

Mr. Benjamin Botkins
Iredell County Permits
Statesville, NC.

Dear Mr. Botkins

EnergyUnited has been contacted to grant permission to install a septic system within the limits of a right-of-way corridor maintained by the cooperative at at 2032 Buffalo Shoals Rd, Statesville N.C.
EnergyUnited does not have jurisdiction over land usage on privately owned property other than restrictions pertaining to structures erected in close proximity of energized lines. Our definition of structures is a physical building or other construction that will limit accessibility to the facilities within the 40 foot right-of-way or restrict the safe operation of EnergyUnited's Electric Utility facilities.

There may be cases in which the cooperative may request the placement of drain lines to be adjusted where underground facilities exist. It is the responsibility of the landowner (or landowner's contractor) to make the necessary notifications for marking and / or locating of any buried facilities prior to excavating.

EnergyUnited would also want it understood by the landowner that we would not be liable for damage to drain fields / and or septic systems installed within the limits of the easement as a result of our access into and maintenance work within the right-of-way.

Sincerely,

EnergyUnited Electric Membership Corporation

Tony Gray

Accepted by:

Name:_____

Date:_____

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

DOCUMENTATION TO AUTHORIZE AN OWNER'S LEGAL REPRESENTATIVE

Applications for permits require the "signature of the owner or owner's legal representative" (15A NCAC 18A .1937). If the owner does not sign the application himself or herself, they can submit any one of the following documents to designate their legal representative:

Power of Attorney; Real Estate Contract; Estate executor; Bankruptcy trustee; Court ordered guardianship

In the absence of the above documentation, the property owner may provide the local health department with documentation that designates a legal representative. A property owner may:

Complete this form to document his or her legal representative, or provide his or her own form that contains the information in this form.

If there are multiple property owners, then all property owners must sign the form that designates a legal representative.

By signing a form that designates a legal representative for purposes of 15A NCAC 18A .1937, the property owner authorizes that representative to act on their behalf in matters pertaining to the application and permitting process, including signing or receiving any application, document or permit. The owner retains full responsibility to meet all permit conditions specified by the local health department.

I, Jimmy E Moore, am the legal owner(s) of the property located at 2032 Buffalo Shoals Rd Statesville NC 28677, identified as PIN (Parcel Identification Number) 4712-72-0151.000, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) Samuel Ashley Rollans, Rollans Soil & Environmental Services, to act as an agent on my behalf in applying for/signing/obtaining any of the documents described below.

- Application for Improvement Permit (IP) / Authorization to Construct (AC)
- Improvement Permit (IP) / Authorization to Construct (AC)
- Application for soil-site evaluation (new/repair)
- Application/permit for private drinking water well/well abandonment
- Application for Compliance Inspection

I agree to abide by all decisions and/or conditions between the legal representative acting on my behalf and the Iredell County Department of Public Health, Environmental Health Division.

JE Moore 01-26-17 _____ _____

Signature of Owner(s) Date Signature of Witness Date

Please return this signed form to the appropriate office:

Mooresville - Environmental Health
ronda.hart@co.iredell.nc.us
Fax: 704-662-3239
610 E. Center Avenue, Mooresville, NC 28115

Statesville - Environmental Health
adrienne.shea@co.iredell.nc.us
Fax: 704-871-3483
349 N. Center Street, Statesville, NC 28677

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...

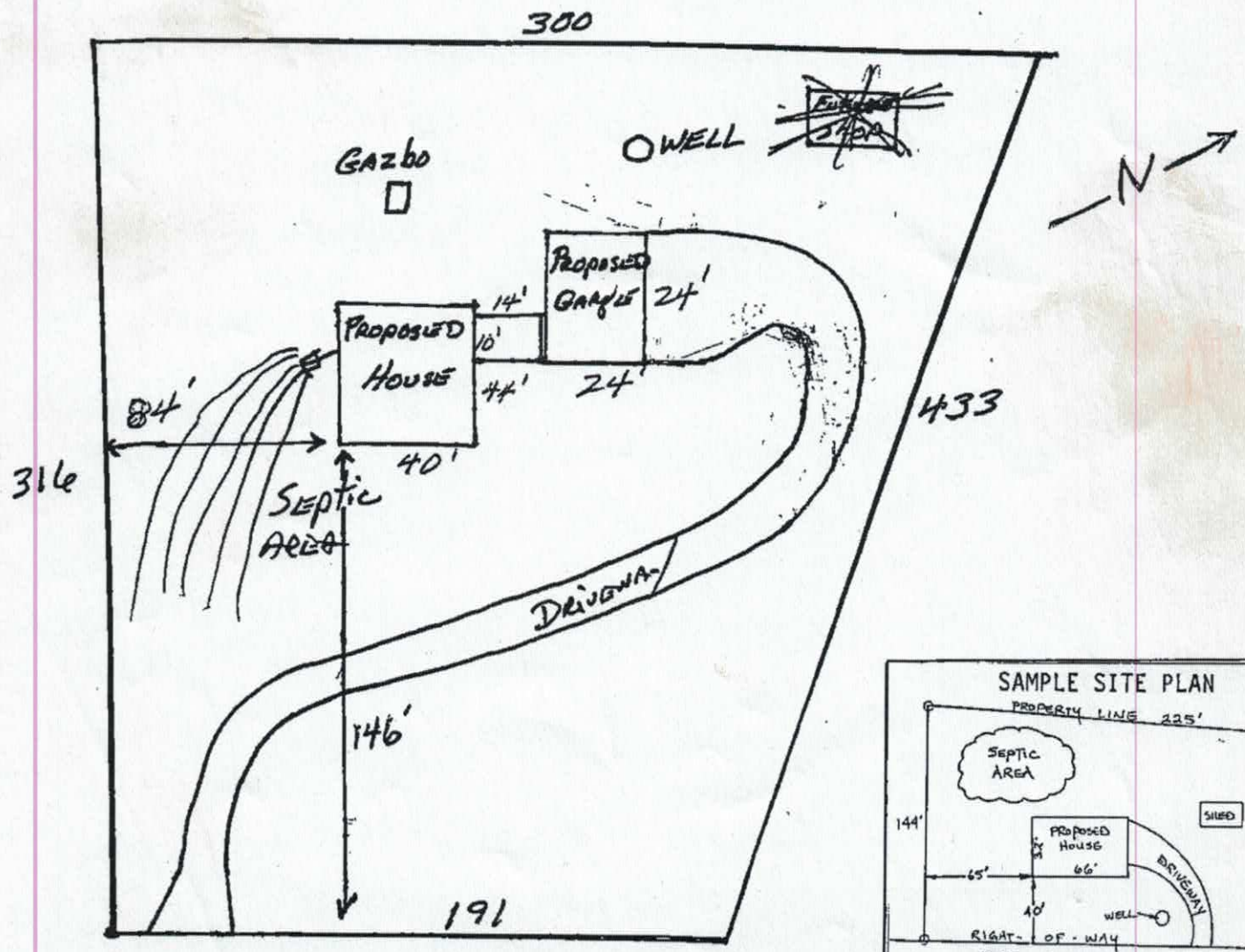
Circle N/A on the following if appropriate:

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

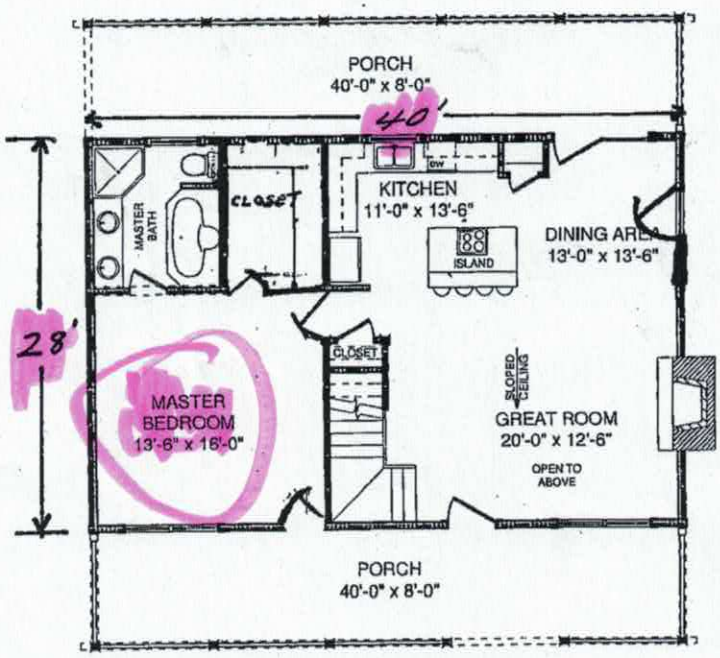
Signature: _____
Property owner or owner's legal representative signature (~~SIGNATURE REQUIRED~~)

12-01-2016
DATE

USE THIS SPACE TO DRAW YOUR SITE PLAN



COPY



FIRST FLOOR PLAN

SQUARE FOOTAGE	
HEATED AREAS:	
FIRST FLOOR	1071 Sq. Ft.
SECOND FLOOR	641 Sq. Ft.
TOTAL HEATED	1712 Sq. Ft.
UNHEATED AREAS:	
PORCH(ES)	640 Sq. Ft.
STORAGE	103 Sq. Ft.
BASEMENT	975 Sq. Ft.
TOTAL UNHEATED	1718 Sq. Ft.
TOTAL UNDER ROOF	3430. Sq. Ft.

SOUTHLAND LOG HOMES

LAWRENCE

Next Steps

1. Note any changes you would like to make to plan.
2. Contact Us to answer any questions:
   a. Visit any Southland Model Log Home location
   b. Call us at 800-641-4754
   c. Email your plan to us at: webplans@southlandloghomes.com

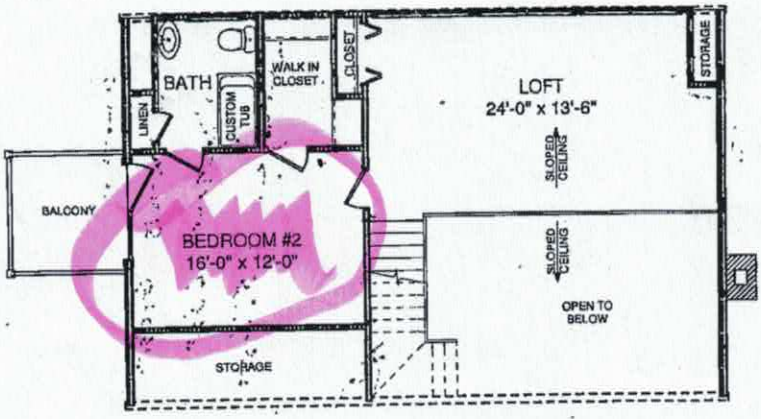
© SOUTHLAND LOG HOMES LLC

Acknowledgement Of Plans Submittal ONLY!

[signature] Date 2-15-17

Son Shuck Date 2-8-17

COPY



SECOND FLOOR PLAN

SQUARE FOOTAGE	
HEATED AREAS:	
FIRST FLOOR	1071 Sq. Ft.
SECOND FLOOR	641 Sq. Ft.
TOTAL HEATED	1712 Sq. Ft.
UNHEATED AREAS:	
PORCH(ES)	640 Sq. Ft.
STORAGE	103 Sq. Ft.
BASEMENT	975 Sq. Ft.
TOTAL UNHEATED	1718 Sq. Ft.
TOTAL UNDER ROOF	3430 Sq. Ft.

SOUTHLAND LOG HOMES

LAWRENCE

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Acknowledgement Of Plans Submittal ONLY!

[signature] Date 2-15-17

Tom Shuck Date 2-8-17

IREDELL COUNTY

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

APPLICATION NUMBER
223300
Issue Date: 11/21/2016

ZONING PERMIT

Open Space

Parcel Number	Street Address	Jurisdiction
4712720151.000	2032 BUFFALO SHOALS ROAD, STATESVILLE, NC 28677	

Owner Information	Applicant Information
Owner: MOORE JIMMY E	Applicant: MOORE JIMMY E
Address: 1364 BUFFALO SHOALS RD STATESVILLE, NC 28677	Address: 1364 BUFFALO SHOALS RD STATESVILLE, NC 28677
Phone:	Phone:

Use Requested	Zone Code

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
2.000	35.00	35.00	15.00	15.00	NOT	X

Remarks:

The applicant certifies that there are no deed restrictions, contractual agreements or governmental regulations of any kind that interfere with or prohibit the use of the property or the use for which this permit is requested. The applicant further acknowledges that enforcement of deed restrictions, plat conditions and other contractual agreements will not be undertaken by Iredell County and is the sole responsibility of the affected parties.

Applicant: _____ Date: _____

Permit Number	86284	TOTAL FEES:	$ 77.25