HS

AP

ICHD–ENVIRONMENTAL HEALTH DIVISION

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

PERMIT # 302488

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

PIN # 4626525727

APPLICANT/OWNER: Paul Lux | APPLICANT ADDRESS: 306 SouthFork Mooresville, NC, 28117

SITE ADDRESS: 306 SouthFork Rd Mooresville, NC 28117 | PHONE: Builder 7049995179 | ALT. PHONE

SITE DIRECTIONS: Brawley School Rd TR SouthFork Stay left @ fork lot on right

SUBDIVISION: Lot | SECTION: 8 | LOT # 10 | LOT AREA: .94 Acres | SAP CONTROLLED: ☐ YES ☒ NO | DESIGN FLOW: 480 gpd | L.T.A.R.: .325 / .3 Rep

Septic Tank	1000 (gal)	STB	1012-1000	Date	5/29/2020	☒ New System ☐ Repair ☐ Expansion	System Type: I II III IV V VI	☒ Residence	No. Bedrooms	4	Water Supply
Pump Tank	1000 (gal)	PT	17-1000	Date	4/27/2020	System Description: LP PPBPS		☐ Business	No. Persons	8	☒ Private
Pump Make	Gallis	Model	4HPWE0512	Serial #	N203794M	Repair System Description: PPBPS (In Power Line R/W)		☐ Other	No. Employees		☐ Public
# Nitrification Fields	1	# Lines	4	Linear Ft	249'	Maintenance Agreement Required: ☒ YES ☐ NO		☐ Slab	☐ Crawl Space		☐ Community
Trench Width	24"	Trench Bottom Depth (Low side)	36"	Gravel Depth	N/A	☐ GRAVITY ☒ PRESSURE		☒ Basement w/plumbing			☐ Basement w/o plumbing

Comments / Conditions: ** Must divert all storm/surface water away from Septic

* Note: Check for surface water diversion prior to O.P.

INITIAL SITE SKETCH

See attached, approved Septic plan by Michael Athanas & Assoc. (dated 8/20/2020)

AS BUILT SKETCH

IMPROVEMENT PERMIT ONLY

DO NOT ISSUE BUILDING PERMIT!

FLOOR PLAN STILL NEEDED!

9/28/2020: tanks checked and were good. As built measurements are on site plan not to scale. Talked to builder and asked him to send Floor Plans.

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**

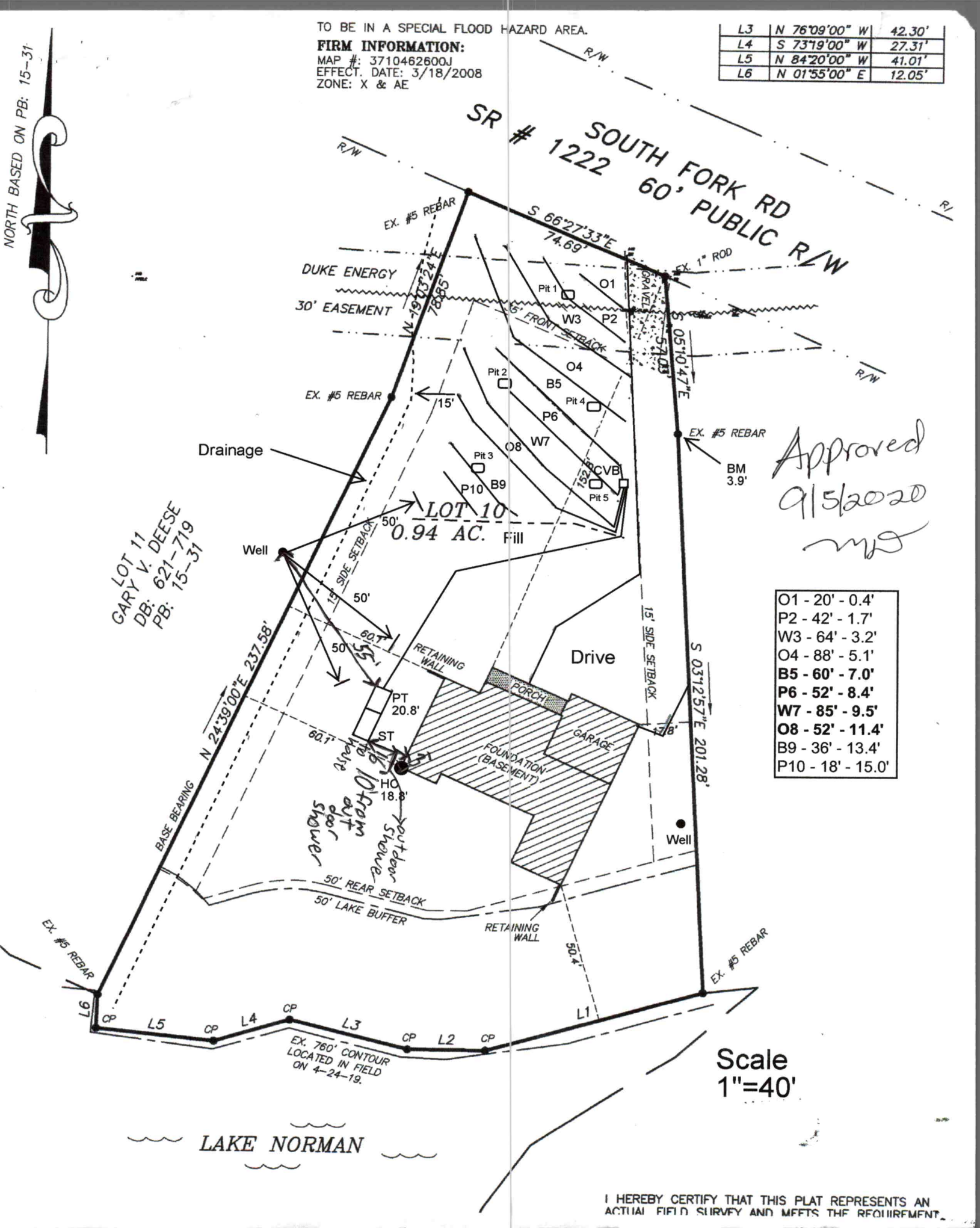
☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☒ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☒ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: Paul Lux Date: 9/9/2020 Installed by: steveJ

IMPROVEMENT PERMIT by: Maria Dotson Date: 9/5/2020 OPERATION PERMIT by: Patrick J Boyle III Date: 10/21/2020

AUTHORIZATION TO CONSTRUCT by: Maria Dotson Date: 9/5/2020 Existing System Inspected by: Date:

FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-9am the day the inspection is needed. Be sure to speak with an inpsector to confirm your inspection time.



L3	N 76°09'00" W	42.30'
L4	S 73°19'00" W	27.31'
L5	N 84°20'00" W	41.01'
L6	N 01°55'00" E	12.05'

I HEREBY CERTIFY THAT THIS PLAT REPRESENTS AN ACTUAL FIELD SURVEY AND MEETS THE REQUIREMENT

	Date	Initials
Drain Lines Checked		
Tanks Checked	9/28/2020	PJB
Pressure Manifold or Valve Box Checked	10-2-20	
Pressure Head Set	10-2-20	
Electrical Checked	10-2-20	
Floats Set	10-2-20	
Alarm Checked	10-2-20	
Maintenance Contract (Y) / N	10/21/2020	BO
Comments:		

PROPERTY ID #: 4626525727
COUNTY: Iredell

Approved 9/15/2020 MA

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Paul Lux
ADDRESS: 306 South Fork Rd, Mooresville, NC 28117
PROPOSED FACILITY: 4 BDRM PROPOSED DESIGN FLOW (.1949): 480 GPD
LOCATION OF SITE: 306 South Fork Rd, CL&T Sec 8 Lot 10

APPLICATION DATE
DATE EVALUATED:
PROPERTY SIZE: 0.94 AC
PROPERTY RECORDED:

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

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
PIT 1	LS 8%	0-6	Br CL WSBK	FR SS SP SXP	N/A	58"	N/A	N/A	PS 0.3
		6-42	R C SBK	FR SS SP SXP					
		42-58	R CL WSBK	FR SS SP SXP					
PIT 2	LS 10%	0-26	R C SBK	FR SS SP SXP	N/A	55"	N/A	N/A	PS 0.325
		26-55	R CL WSBK	FR SS SP SXP					
PIT 3	LS 10%	0-8	Br SCL WSBK	FR SS SP SXP	N/A	52"	N/A	N/A	PS 0.325
		8-30	R C SBK	FR SS SP SXP					
		30-52	R CL WSBK	FR SS SP SXP					
PIT 4	LS 10%	0-8	FILL		N/A	58"	N/A	N/A	PS 0.3-0.325
		8-32	R C SBK	FR SS SP SXP					
		32-58	R CL WSBK	FR SS SP SXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	498 FT^2	536 FT^2
System Type(s)	PPBPS	PPBPS
Site LTAR	0.325	0.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS

EVALUATED BY: MA&A
OTHER(S) PRESENT:

COMMENTS:

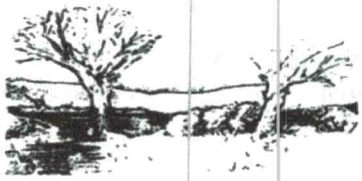
SOIL/SITE EVALUATION

(Continuation Sheet)

PROPERTY ID #: 4626525727_____
DATE OF EVALUATION: _____
COUNTY: __IREDELL___

Approved
9/5/2020
MD

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
PIT 5	LS 10%	0-5	FILL		N/A	52"	N/A	N/A	PS 0.325
		5-9	Br SCL WSBK	FR SS SP SXP					
		9-30	R C SBK	FR SS SP SXP					
		30-52	R CL WSBK	FR SS SP SXP					



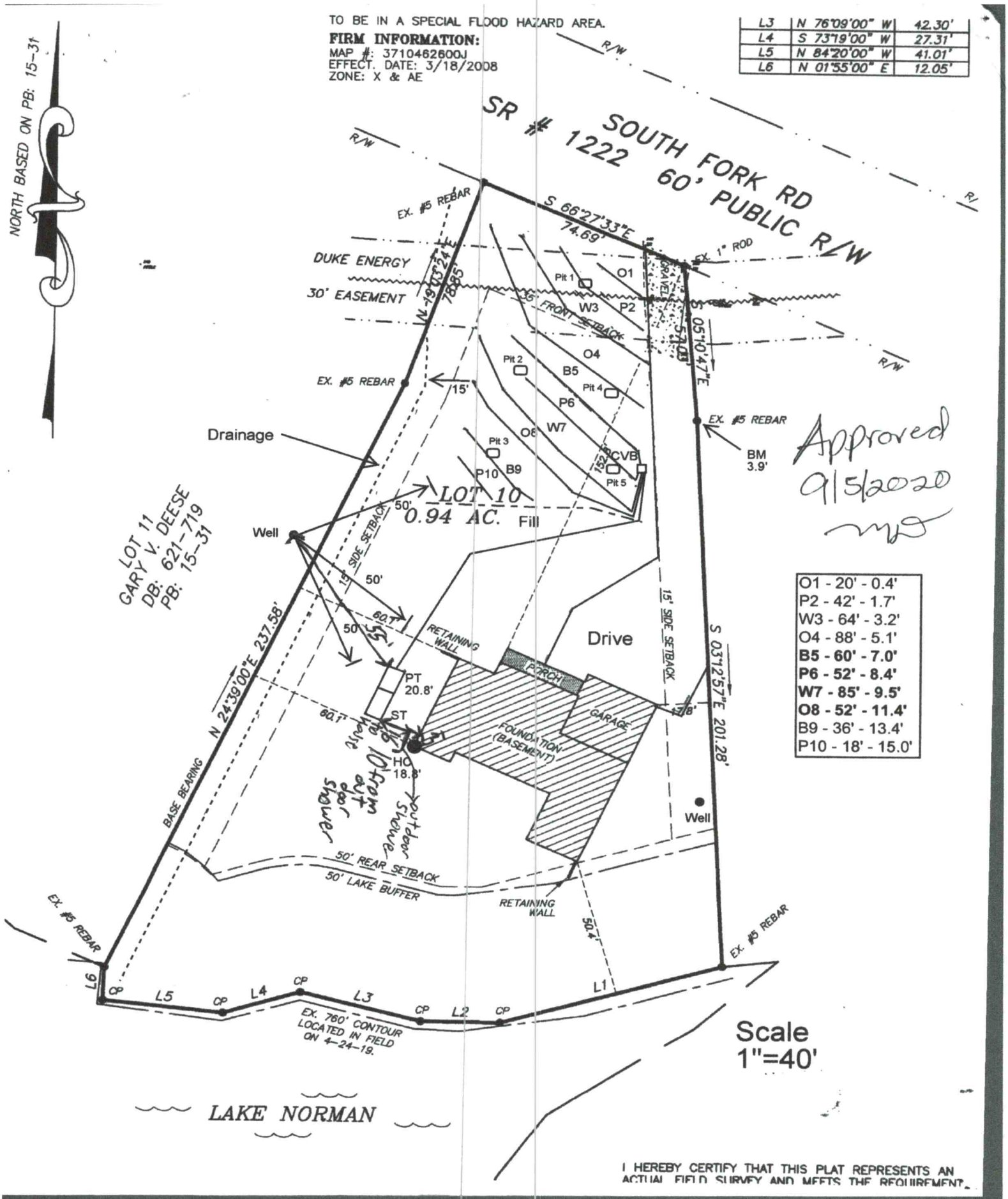
MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
561 Ennis Rd.
Weddington, NC 28173
(704) 576-3887
8/20/2020

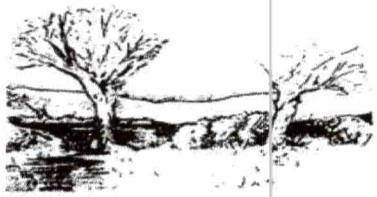
Approved
9/5/2020
MA

Reference: Data Sheet for 306 South Fork Rd, CL&T Sec 8 Lot 10
House Footprint: See attached plan
Building Setbacks: 35' front/rear, 15' side, 50' lake
Water Source: Private Well
Number of Bedrooms/Daily Flow: 4/480 GPD
Proposed LTAR: 0.325 GPD/FT^2 (initial), 0.3 GPD/FT^2 (repair)
Proposed System Type: PPBPS
Proposed Repair System Type: PPBPS
Distribution: Low Pressure-CVB
Flow per Orifice: 0.41 GPM
Orifice Size: 5/32"
System Flow: 23.8 GPM
Dosing Volume: 208.8 gallons
Pump Run Time: 8.8 minutes
Elevation Head: 18.8'
Friction Head: 1.7'
Pressure Head: 2'
Total Dynamic Head: 22.5'
Supply Line Length: 125' of 2" PVC
Septic/Pump Tank Size: 1000/1000 gallons
Proposed Trench Bottom: 36"
Proposed Trench Width: 24" (8' on center)



Line	Design Length	# of Panels	Actual Length	Elevation
Orange 1			20'	0.4'
Pink 2			42'	1.7'
White 3			64'	3.2'
Orange 4			88'	5.1'
Blue 5	**60**	**14**	**64'**	**7.0'**
Pink 6	**52**	**12**	**54'**	**8.4'**
White 7	**85**	**20**	**88'**	**9.5'**
Orange 8	**52**	**12**	**54'**	**11.4'**
Blue 9			36'	13.4'
Pink 10			18'	15.0'


TO BE IN A SPECIAL FLOOD HAZARD AREA.
FIRM INFORMATION:
MAP #: 3710462600J
EFFECT. DATE: 3/18/2008
ZONE: X & AE
L3 | N 76°09'00" W | 42.30'
L4 | S 73°19'00" W | 27.31'
L5 | N 84°20'00" W | 41.01'
L6 | N 01°55'00" E | 12.05'
NORTH BASED ON PB: 15-31
SR # 1222 SOUTH FORK RD 60' PUBLIC R/W
R/W
EX. #5 REBAR
S 66°27'33"E 74.69'
EX. 1" ROD
DUKE ENERGY
30' EASEMENT
N 19°07'24"E 78.85'
35' FRONT SETBACK
GRAVEL
S 05°10'47"E 52.03'
Pit 1
O1
W3
P2
Pit 2
O4
B5
Pit 4
P6
W7
O8
Pit 3
P10
B9
CVB
Pit 5
15'
Drainage
BM 3.9'
LOT 10
0.94 AC.
Fill
Well
50'
SIDE SETBACK
15'
60.7'
RETAINING WALL
Drive
PORCH
GARAGE
FOUNDATION (BASEMENT)
PT 20.8'
ST
HC 18.8'
Well
Septic Tank and Pump Chamber
Sewer
Sewer
15' SIDE SETBACK
S 03°12'57"E 201.28'
N 24°39'00"E 237.58'
BASE BEARING
LOT 11
GARY V. DEESE
DB: 621-719
PB: 15-31
50' REAR SETBACK
50' LAKE BUFFER
RETAINING WALL
50.7'
EX. #5 REBAR
L6
L5
CP
L4
CP
L3
CP
L2
CP
L1
EX. 760' CONTOUR LOCATED IN FIELD ON 4-24-19.
LAKE NORMAN
Approved
9/5/2020
O1 - 20' - 0.4'
P2 - 42' - 1.7'
W3 - 64' - 3.2'
O4 - 88' - 5.1'
B5 - 60' - 7.0'
P6 - 52' - 8.4'
W7 - 85' - 9.5'
O8 - 52' - 11.4'
B9 - 36' - 13.4'
P10 - 18' - 15.0'
Scale
1"=40'
I HEREBY CERTIFY THAT THIS PLAT REPRESENTS AN ACTUAL FIELD SURVEY AND MEETS THE REQUIREMENT



MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
561 Ennis Rd.
Weddington, NC 28173
(704) 576-3887
8/20/2020

Approved
9/5/2020
MA

Reference: Data Sheet for 306 South Fork Rd, CL&T Sec 8 Lot 10
House Footprint: See attached plan
Building Setbacks: 35' front/rear, 15' side, 50' lake
Water Source: Private Well
Number of Bedrooms/Daily Flow: 4/480 GPD
Proposed LTAR: 0.325 GPD/FT^2 (initial), 0.3 GPD/FT^2 (repair)
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Blue 9			36'	13.4'
Pink 10			18'	15.0'

Approved
9/5/2020
MD

Initial System: 249' **Repair System:** 268'
Pump Tank: 20.8' **House Corner:** 18.8' **Benchmark:** 3.9'

Comments:
The purpose of the evaluation is to expand the permit from 3 bedrooms to 4 bedrooms. The repair area will have to go beneath the residential power line. Duke Energy Encroachment Agreement attached.

RECEIVED AUG 3 1 2020

AP-216537
(302488
Fee
$350.00)

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM

Application For: ( ) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
(X) Septic Improvement Permit (X) 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: (PRINT CLEARLY)

Applicant Name: Paul Lux **Address:** 306 Southfork Rd, Mooresville, NC **Zip:** 28117

Applicant Email: rollinonpainting@gmail.com **Phone:** _____ **Alt. Phone:** _____

Owner Name: Same **Address:** _____ **Zip:** _____

Owner Email: _____ **Phone:** _____ **Alt. Phone:** _____

Property Information:

Street Address: 306 Southfork Rd

Subdivision Name: CL&T **Section/Phase:** 8 **Lot Number:** 10

Driving Directions: _____

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

(X) New Single Family Residence
( ) New Multi-Family Residence
( ) Accessory Building
( ) Bedroom(s) Addition
( ) Repair to failing septic system ___ Tank ___ Drain lines Describe Problem: _____

Maximum Number of Bedrooms: 4
Maximum Number of Occupants: 8
( ) Swimming Pool
( ) Other Addition/Structure: _____

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

Non-Residential Site Development: Type of Business: _____
Square Footage of Building: _____ Max. Number of Employees: _____ Max. Number of Seats/Beds/Other: _____

Water Supply: ( ) Replacement Well – Reason: _____
( ) Multi-connection Well Number of Houses: _____ Number of Persons: _____

( ) New Well (X) 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 (X) 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.

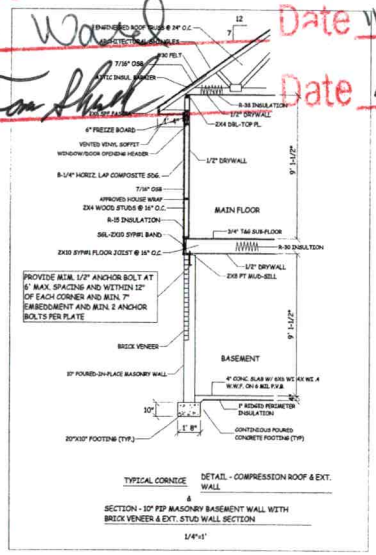
Signature: _____ 8/31/2020
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

Acknowledgment Of
Plans Submittal ONLY

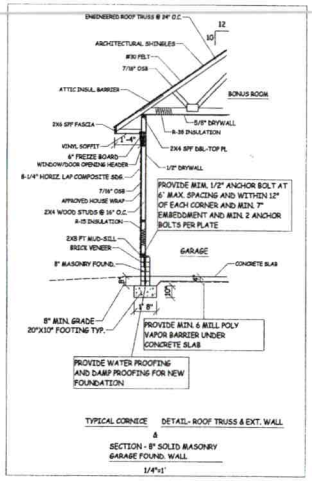
B Wa Date 11/27/19

For Shell Date 11/26/19

A complete Javelin® framing plan requires the Framer's Pocket Guide
See the Framer's Pocket Guide for Product Trademark Information

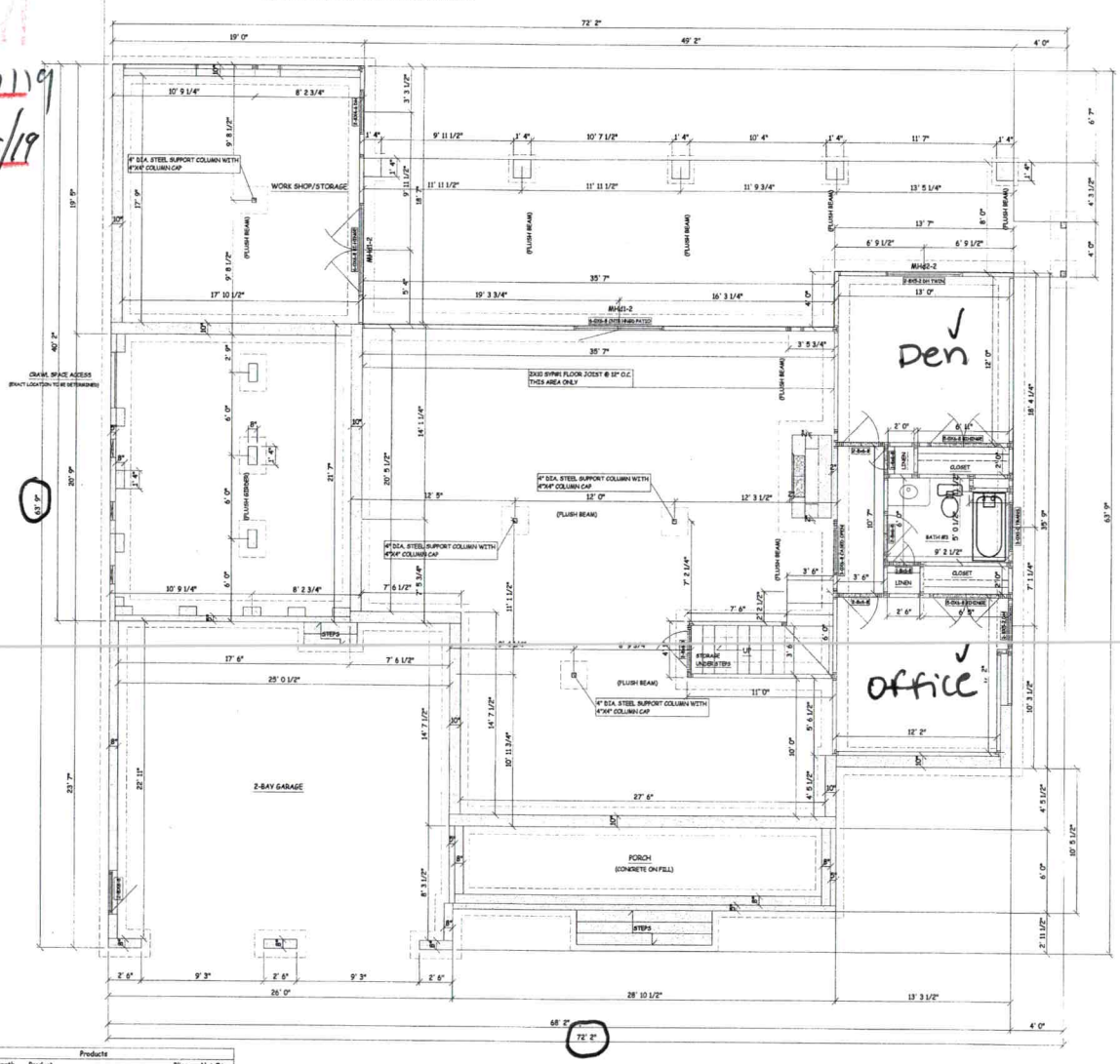


TYPICAL CORNICE DETAIL - COMPRESSION ROOF & EXT. WALL
&
SECTION - 10" PIP MASONRY BASEMENT WALL WITH BRICK VENEER & EXT. STUD WALL SECTION
1/4"=1'



TYPICAL CORNICE DETAIL - ROOF TRUSS & EXT. WALL
&
SECTION - 8" SOLID MASONRY GARAGE FOUND. WALL
1/4"=1'

NOTE: (TS1) & (TS2) 3-1/2"X11-1/4" TIMBERSTRAND LSL TO BE PRESSURE TREATED AND CAN BE SUBSTITUTED WITH PRESSURE TREATED PARALLAM 3-1/2"X11-1/4".



Products					
PlotID	Length	Product		Plies	Net Qty
M1-2	37' 0"	1 3/4" x 9 1/4" 2.0E Microllam® LVL		2	2
M2-2	19' 0"	1 3/4" x 9 1/4" 2.0E Microllam® LVL		2	2
M3-2	18' 0"	1 3/4" x 9 1/4" 2.0E Microllam® LVL		2	2
M4-2	14' 0"	1 3/4" x 9 1/4" 2.0E Microllam® LVL		2	2
M5-2	8' 0"	1 3/4" x 9 1/4" 2.0E Microllam® LVL		2	2
TS1	13' 0"	3 1/2" x 11 1/4" LSSE TimberStrand® LSL		1	2
TS2	9' 0"	3 1/2" x 11 1/4" LSSE TimberStrand® LSL		1	2

Wall Framing					
PlotID	Length	Product		Plies	Net Qty
MH61-2	7' 0"	1 3/4" x 9 1/4" 2.0E Microllam® LVL		2	4
MH62-2	6' 0"	1 3/4" x 9 1/4" 2.0E Microllam® LVL		2	2

Framing Connector Summary											
PlotID	Qty	Manuf	Product	Design Method	Face Nails	Top Nails	Member Nails	Skew	Slope	Backer Blks	Filler	Web Stiff
H4	2	Simpson	H4US410	Designed	30- 16d common	-	30- 16d double shear	-	-	No	No	No

BASEMENT LEVEL
1615 SQ FT BASEMENT
338 SQ FT WORK SHOP/STORAGE
9' CEILING

LEVEL NOTES	
Current Date:	4/30/2018
File Name:	Paul & Erika Lux Custom.jvl
Level Name:	Basement
Building Code - Design Methodology:	IRC 2012
FLOOR	
Floor Container:	FC48, FC53
Use/Occupancy:	Residential,LivingAreas
Floor Area Loading is:	40.0 lb/ft² Live Load & 12.0 lb/ft² Dead Load
Floor Maximum Allowed Deflection	L/480 Live Load & L/240 Total Load

Level Javelin software

Drawn By: ROD CRONLAND
PHONE #: 828-312-3895
Release Date: 4/30/18
Revision Date:

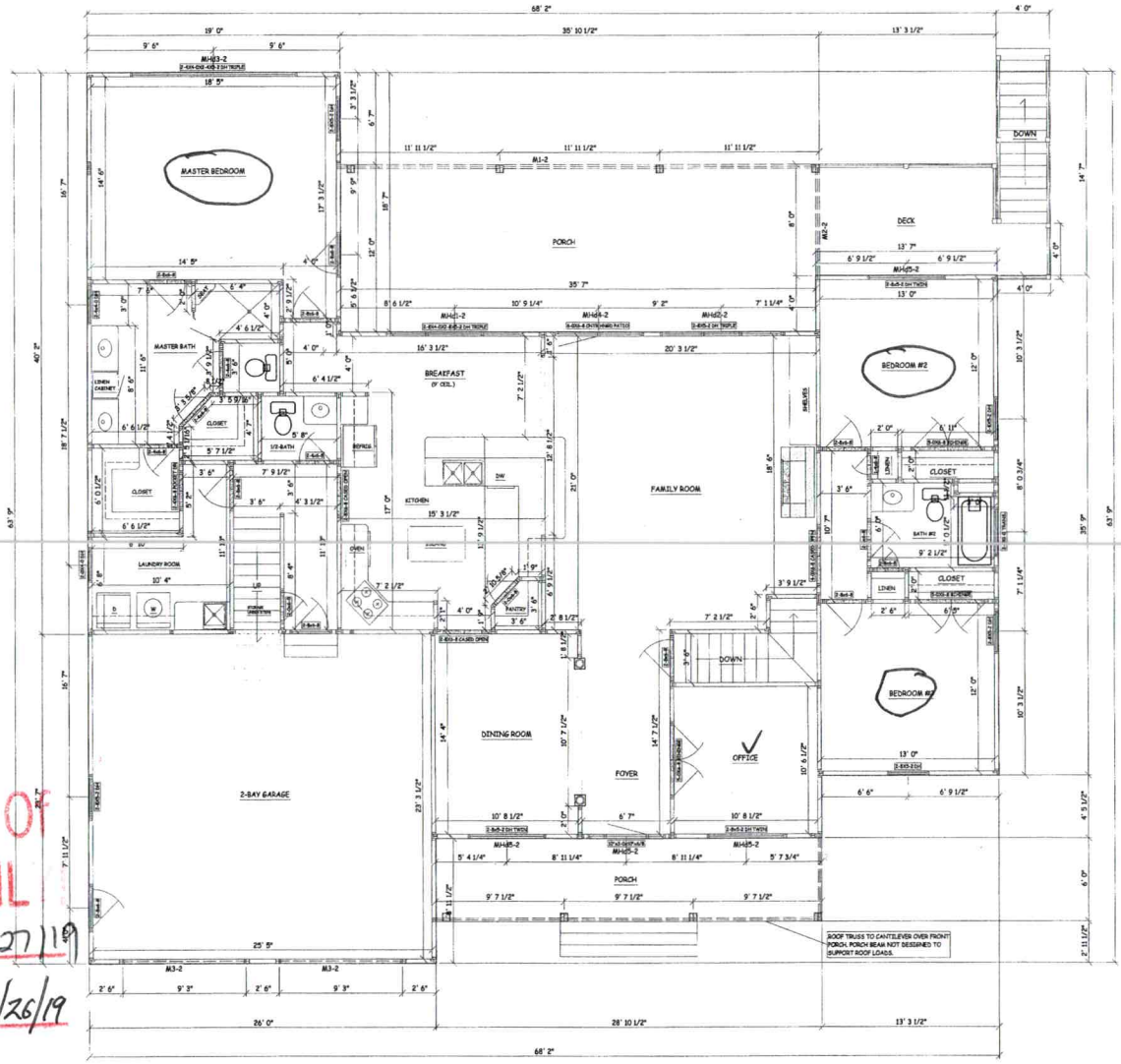
Prepared By:
RB's structural designs,LLC

Address/Lot#: 306 SOUTH FORK RD.
City, State: MOORESVILLE, NC
Job #:
Scale: 1/4"=1'

Customer: PAUL & ERIKA LUX
Job Name: CUSTOM HOME
Plan/Model #:
Subdivision:

Sheet: 1 of 10

A complete Javelin® framing plan requires the Framer's Pocket Guide
See the Framer's Pocket Guide for Product Trademark Information



Acknowledgement Of
Plans Submittal ONLY
B Ward Date 11/27/19
Tom Shuck Date 11/26/19

Wall Framing				
PlotID	Length	Product	Plies	Net Qty
MHM1-2	11' 0"	1 3/4" x 11 7/8" 2.0E Microllam® LVL	2	2
MHM2-2	9' 0"	1 3/4" x 11 7/8" 2.0E Microllam® LVL	2	2
MHM3-2	13' 0"	1 3/4" x 9 1/4" 2.0E Microllam® LVL	2	2
MHM4-2	7' 0"	1 3/4" x 9 1/4" 2.0E Microllam® LVL	2	2
MHM5-2	6' 0"	1 3/4" x 9 1/4" 2.0E Microllam® LVL	2	8

Products				
PlotID	Length	Product	Plies	Net Qty
M1-2	37' 0"	1 3/4" x 11 7/8" 2.0E Microllam® LVL	2	2
M2-2	8' 0"	1 3/4" x 11 7/8" 2.0E Microllam® LVL	2	2
M3-2	10' 0"	1 3/4" x 9 1/4" 2.0E Microllam® LVL	2	4

MAIN FLOOR LEVEL
2439 SQ FT HEATED
613 SQ FT GARAGE
604 SQ FT PORCHES
123 SQ FT DECK
9' CEILINGS

Prepared By:
RB's structural designs,LLC

Drawn By: ROD CRONLAND
PHONE #: 828-312-3895
Release Date: 4/30/18
Revision Date:

Level Javelin software

Address/Lot: 306 SOUTH FORK RD.
City, State: MOORESVILLE, NC
Job #:
Scale: 1/4"=1'

Customer: PAUL & ERIKA LUX
Job Name: CUSTOM HOME
Plan/Model #:
Subdivision:

Sheet: 3 of 10

Type: CONSOLIDATED REAL PROPERTY
Recorded: 8/27/2020 2:37:09 PM
Fee Amt: $26.00 Page 1 of 6
Iredell County, NC
Ronald N. Wyatt Register of Deeds

BK 2728 PG 1996 - 2001

North Carolina

IREDELL County

Site: 306 South Fork Rd

Work Order #: 37806557

North Carolina
Distribution Encroachment Agreement
for Nitrification Field Encroachments

THIS NORTH CAROLINA DISTRIBUTION ENCROACHMENT AGREEMENT FOR NITRIFICATION FIELD ENCROACHMENTS ("Agreement"), made this _____ day of _____, 20____, by and between **DUKE ENERGY CAROLINAS, LLC**, a North Carolina limited liability company ("Duke Energy"), and ERIKA M. LUX & PAUL N. LUX ("Grantee").

- Grantee is the owner of 1 lot of land situated in Mooresville Township, Iredell County, North Carolina, and being the land described in a deed from David F. Wimmer, et al to Paul N. Lux & Erika M. Lux, dated October 10, 2016, and recorded in Deed Book 2450, Page 1274, Iredell County Registry (the "Property");

- Duke Energy has previously acquired a Thirty (30) foot wide easement area over the Property on which easement area Duke Energy maintains and operates electrical facilities (the "Easement Area"); and

- Grantee desires to use a portion of the Easement Area for the construction, installation, operation, and maintenance of a nitrification field (the "Encroachment").

NOW, THEREFORE, in consideration of the premises and of the mutual covenants herein contained, Duke Energy, insofar as Duke Energy's rights are concerned, hereby authorizes Grantee, his heirs and assigns, ingress and egress to construct, install, operate, monitor, repair, and maintain the Encroachment within the Easement Area upon the following terms and conditions:

1. Grantee shall construct, install, operate and maintain the Encroachment as shown on a map, dated August 20, 2020, and entitled "Lux Septic Encroachment Map," which is attached hereto as **Exhibit A** and incorporated herein by reference (the "Map"). Other than removing the Encroachment, Grantee shall not alter or add to the Encroachment in any way without receiving prior written consent from Duke Energy. Should Grantee perform any work in the Easement Area without the prior written consent of Duke Energy, should it fail to perform the work in a manner consistent with the specifications approved by Duke Energy, or should the Encroachment threaten any Duke Energy facility, then Grantee shall be liable to Duke Energy for any costs Duke Energy incurs while remedying actual or potential threats to Duke Energy's facilities arising from such work.

2. This Agreement shall automatically terminate upon complete removal of the Encroachment by Grantee. Should the encroachment no longer be required for the facility it is designed to serve, this Agreement shall be terminable by Duke Energy upon ninety (90) days written notice of Duke Energy's desire to terminate.

Submitted electronically by "Duke Energy"
in compliance with North Carolina statutes governing recordable documents
and the terms of the submitter agreement with the Iredell County Register of Deeds.

3. Duke Energy shall have the right to install at any time additional structures for the support of its present or future electric lines within the Easement Area. Duke Energy agrees to locate these additional structures, if reasonably possible, so as not to obstruct use of the Encroachment and in compliance with 15A NCAC 18A.1950.

4. Grantee may plant low-growing shrubbery on and around the Encroachment provided that Duke Energy shall have necessary access to its structures for maintenance purposes. Any trees or shrubs in the Easement Area shall not be permitted to reach a height of more than twelve (12) feet. If any such trees or shrubs do reach a height of more than twelve (12) feet, then Duke Energy shall have the right to remove them without removing the stumps if removal could damage system.

5. Grantee shall not place, or cause to be placed, a septic tank or any related device, constructed of any material type, in Duke Energy's Easement Area other than inert piping for septic draining purposes.

6. Grantee shall, upon request of Duke Energy and at no cost to Duke Energy, erect barriers around the Encroachment area or existing facilities owned or operated by Duke Energy. Barriers shall be of an acceptable size and construction to Duke Energy. Once installed to Duke Energy's specifications, Grantee shall not be liable for the costs of relocating or replacing any barrier that is later determined by Duke Energy to hinder its access to the facilities or Easement Area.

7. Grantee shall not utilize any equipment within Duke Energy's Easement Area in such a manner that any portion of said equipment would come any closer than fifteen (15) feet from any conductors of its electric lines. Grantee's operation of equipment and use of materials within Duke Energy's Easement Area shall adhere to applicable federal, state, and local laws, rules and regulations, including the guidelines set forth by the National Electrical Safety Code (NESC), the OSHA Standard for equipment minimum safe working distances, and the North Carolina Overhead High-Voltage Line Safety Act (OHVSA).

8. Grantee shall be liable for, and shall indemnify, protect, and save harmless Duke Energy from any taxes or assessments which may be levied for or as a result of the Encroachment.

9. Duke Energy shall not be liable for any damage to the Encroachment resulting from Duke Energy or its contractors in the construction, reconstruction, replacement, maintenance, or removal of Duke Energy's present or future facilities.

10. Grantee shall not do any digging, grading, or filling nearer than three (3) to any of Duke Energy structures or anchors and any slopes within the Easement Area shall be no greater than a one to four ratio.

11. Grantee shall not do any filling or piling of earth on Duke Energy's Easement Area unless shown on the Map and approved by Duke Energy. The surface of the Easement Area shall be properly graded, raked, and seeded after construction of the Encroachments is complete.

12. Duke Energy may have facilities (e.g. counterpoise wires) buried in the vicinity of the Encroachment. Grantee shall exercise diligence to avoid damaging any underground facilities, will notify Duke Energy immediately if any damage does occur, and reimburse Duke Energy for the costs of any repairs made necessary by such damage.

13. The Encroachment is subject to the paramount right of Duke Energy at all times to make use of Duke Energy's entire Easement Area for the construction, maintenance, reconstruction, and operation of electric lines. In the future, Duke Energy may require, within the N.C.G.S. 130A statute and the 15A NCAC .1900 rules, the relocation or modification of the Encroachment, and Grantee shall comply with the demand at no cost to Duke Energy within ninety (90) days after receipt of the written demand.

14. This Agreement is effective only insofar as the easement rights of Duke Energy in the Easement Area are concerned; and Grantee shall obtain from others such permission sand permits as may be necessary from third parties.

15. Grantee assumes all risks incident to the Encroachment and does hereby release and shall indemnify, defend, and save harmless Duke Energy, its officers, directors, employees, contractors, and agents from and against claims, damages, demands, legal or administrative actions (formal or informal), expenses (including reasonable attorney's fees and court costs), and liability (whether or not such liability has been judicially determined) for loss of or damage to property of Grantee, Duke Energy or others, (including environmental damages and hazardous or toxic waste clean up) and injuries to or death of all persons, howsoever resulting, by reason of Grantee's use of the Encroachment.

16. The recitals set forth at the opening of this Agreement are incorporated herein as if fully restated in this Section 16.

17. Should Grantee desire or be required to contact Duke Energy for any reason related to this Agreement it shall contact Duke Energy's customer service center and request to speak to the land services group.

18. This Agreement shall be governed by the laws of the state of North Carolina without regard to the conflicts of law provisions therein. The parties agree that the proper venue for any dispute related to this agreement are the courts located in county in which the Property is located, and the parties hereby submit to the jurisdiction thereof.

19. This Agreement contains the complete understanding of the parties and shall supersede any prior and contemporaneous communications, agreements, and assurances related to the subject matter of this Agreement. Any modification of this Agreement must be agreed to in writing and signed by the parties. The parties agree that the Easement shall remain in full force and effect. The only modifications to the terms thereof, caused by the Agreement, shall be those which are expressly stated in this Agreement.

20. The failure of Duke Energy in any one or more instances to insist upon compliance with any provision or covenant herein or to exercise any right or privilege herein shall not constitute or be construed as a waiver of such or any similar provision or covenant.

21. This Agreement shall be recorded at Grantee's sole expense.

[Remainder of Page Left Intentionally Blank]

IN WITNESS WHEREOF, Duke Energy and Grantee have caused this Agreement to be signed under seal in their names, as of the date first above written.

DUKE ENERGY CAROLINAS, LLC (SEAL)
a North Carolina limited liability company

By: Ottis W Allen (SEAL)
Name: Ottis W. Allen
Title: Mgr Land Services II

STATE OF NORTH CAROLINA
COUNTY OF Cabarrus

The foregoing document was acknowledged before me this 27th day of August 2019, by Ottis W. Allen, as Mgr Land Services of **DUKE ENERGY CAROLINAS, LLC**, a North Carolina limited liability company, who is personally known to me or who has produced NC DL as identification.

Notary Public: Timothy Shane Huie My Commission Expires: 02/21/2021
Printed Name: Timothy Shane Huie

[Affix Notary Seal Here]

TIMOTHY SHANE HUIE
NOTARY PUBLIC
CABARRUS COUNTY, NC

IN WITNESS WHEREOF, Duke Energy and Grantee have caused this Agreement to be signed under seal in their names, as of the date first above written.

Erika M. Lux (SEAL)
ERIKA M. LUX

Paul N. Lux (SEAL)
PAUL N. LUX

STATE OF NORTH CAROLINA
COUNTY OF Iredell

The foregoing document was acknowledged before me this 21 day of Aug. 2025, 20
by Paul Lux Erika Lux, who
is personally known to me or who has produced NCDMV as identification.

Notary Public: Karri Blankenship My Commission Expires: 8.16-2025
Printed Name: Karri Blankenship [Affix Notary Seal Here]

KARRI BLANKENSHIP
Notary Public
Iredell Co., North Carolina
My Commission Expires Aug. 16, 2025

IREDELL COUNTY HEALTH DEPARTMENT
JANE MURRAY, RN BSN MS
HEALTH DIRECTOR

Public Health
Prevent. Promote. Protect.
Iredell County Health Department

Voluntary Relinquishment of Administrative Appeal Rights
(Completion of Form by Property Owner)

8/27/2020 (Date)

Owner: Paul & Ericka Lux
Address: 304 South Fork Rd
Mooresville NC 28117

Subject: Voluntary Relinquishment of Administrative Appeal Rights

(specify Permit ID/owner's name/property location/site legal description):
Paul & Ericka Lux
304 South Fork Rd
Mooresville NC 28117

I Paul Ericka Lux, voluntarily relinquish my rights to pursue a formal appeal through the Office of
(print full name)

Administrative Hearings pursuant to NC General Statute 130A-24 and 150B-23 and all other applicable provisions of Chapter 150B for the above referenced permit in order for the authorized agent/local health department to issue the applicable permit (new IP and/or CA) for the site. I understand by completing this form the previous permit issued on 10/6/2003 for a system
5/24/2019 (date)
Permit # 109036 / 216537
(system name)

for the site will be "revoked" immediately by the authorized agent/local health department.

Paul Lux
Signature of Property Owner

Central Office
318 Turnersburg Hwy
Statesville, NC 28625
704 878-5300

Mooresville Office
610 E. Center Avenue
Mooresville, NC 28115
704 664-3381

Environmental Health
349 N. Center Street
Statesville, NC 28677
704 878-5358

http://www.co.iredell.nc.us/Departments/Health/

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, Paul Eccles Lux, am the legal owner(s) of the property located at 301a South Fork Rd Mooresville NC 28117, identified as PIN (Parcel Identification Number) 4626-52-5727, located in Iredell County, North Carolina.

I do hereby authorize (print legal representative/company name) Michael Athanas & Associates, _____, 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.

X Paul W Eccles Lux 8/28/2020 B Ward 8/27/2020

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

Statesville - Environmental Health
adrienne.shea@co.iredell.nc.us

Z:Shared/EH_Admin/Forms/OSWP/Document to Authorize

Expedited Review Process

Checklist For Licensed Soils Scientists

9/28/2015

NOTE: ALL Of The Following Must Be Complete Before Service Requests Are Placed On The Expedited Review Process List. Service Requests May Be Removed From The Expedited Review Process List If Any Items Below Are Not Completed!

An Application For Each Site Proposed Requires Submittal Of This Information:

✓ *A Copy of This Completed Checklist*

✓ **Iredell County Health Department *Application For Improvement Permit* form completed and properly signed by owner or applicant (15A NCAC 18A .1937)**

✓ **Iredell County Health Department *Site Plan* form completed and properly signed by owner or applicant**

____ **A copy of the Iredell County *Zoning Permit* (if required)**

✓ ***Documentation to Authorize an Owners Legal Representative* form**

✓ ***Voluntary Relinquishment of Administrative Appeal Rights* form for all Re-layouts**

✓ **Owner or Clients contact information, included on application or part of submitted design**

✓ **NCDENR *Soil/Site Evaluation for On-Site Septic System* form completed - clearly describing all soil pits or borings made at the site (15A NCAC 18A .1939). Minimum of two provisionally suitable auger borings or two evaluation pits must be described for both the proposed initial septic system area and the proposed repair area (if repair area is required). Submitted soil information must match the proposed system type and trench depth**

✓ **Scaled, Detailed Site Plan (using an engineer's scale of 1 "= 30', 1"= 40', 1"= 50' and 1"= 60') Which Must Include:**

- ✓ **Drainlines for initial and repair system**
- ✓ **Septic Tank locations identified**
- ✓ **Pump Tank location identified**
- ✓ **Proposed distribution method must be clearly identified**
- ✓ **All proposed and existing structures identified**
- ✓ **Proposed setbacks must be noted**
- ✓ **Proposed and existing driveway**
- ✓ **Well locations (if applicable)**
- ✓ **North arrow identified**

✓ **Pump Systems must note the following elevations on a scaled site plan:**

- ✓ **Pump Tank**
- ✓ **Initial septic system and repair line elevations**
- ✓ **Front or rear of house at point closest to drain field**
- ✓ **Temporary Bench Mark**

✓ **Pump systems calculations (as appropriate) manifold and tap sizes, number of panels, number of holes, hole size, elevation head, friction head, pressure head, total dynamic head, dosing volume, system flow, pump run time, proposed trench bottom of system and repair, supply line length, supply line diameter, LTAR and an information page of special requirements for the installer as needed; any other calculations supporting design.**

✓ **Septic design signed and sealed by LSS.**

✓ **Site requirements completed by time of health department staff visit:**

- ✓ **All under brushing, debris cleanup**
- ✓ **Property lines MUST be marked by string or flagging if they cannot be observed from all points on the lot**
- ✓ **Permanent corners must be identified in field, or located by a licensed surveyor as needed.**
- ✓ **Drainlines/laterals flagged in the field on contour for initial and repair system using different colored pin flags for each line**
- ✓ **Septic and Pump Tank location marked as required**
- ✓ **All proposed structures must be staked**

Owner Signature

8/31/2020

Date

IREDELL COUNTY HEALTH DEPARTMENT

JANE HINSON, RN BSN MS
HEALTH DIRECTOR

Public Health
Prevent. Promote. Protect.
Iredell County Health Department

Notice of Intent to SUSPEND/REVOKE Improvement Permit/Construction Authorization

9/5/2020 **(Date)**

Owner: Paul Lux
Address: 306 Southfork
Mooresville, NC 28117

Subject: Notice of Intent to ~~Revoke~~/Suspend Cl T Sect. 8 Lot 10
(**specify name/location**) Improvement Permit/Construction Authorization

Dear Paul Lux:
(Owner's Name)

The Iredell County Health Department (ICHD) inspected the site for the on-site wastewater system located at 306 Southfork (physical address) for compliance with the Laws (Article 11 of Chapter 130A of the North Carolina General Statutes), Rules (15A NCAC 18A .1900 et seq.), and Improvement Permit/Construction Authorization LPPPBPS (specify type and number) conditions. As a result of this inspection, the Department has determined the following violations:

Violation	Law or Rule Citation
2 permits	15A NCAC 18A .1937 Permits

[Example #1 - 18 inches of soil removed from site in violation of NCGS 130A-335(f), Rule .1937(g), Rule .1943, Rule .1947(c), and IP Condition No. 2.]
[Example #2 - Nitrification trenches installed at a depth of 30 inches in violation of Rule .1955 (m) and CA Condition No. 2.]

This is to notify you that based on these violations, the Department intends to suspend/revoke (specify) your Improvement Permit/Construction Authorization (specify) 30 days from the date of this notice.

If the ICHD determines that all of the violations have been corrected before thirty (30) days expire, the suspension/revocation (specify) will not go into effect. *[Insert for suspension]* If the permit is suspended, the health department must determine that the violations have been corrected before the suspension will be lifted. *[Insert for revocation]* If the permit is revoked, you must apply for a new Improvement Permit/Construction Authorization and meet the requirements of the current laws and rules necessary to obtain a new IP/CA.

You have a right to an informal review of this decision. You may request an informal review by the environmental health supervisor at the local health department. You may also request an informal review by the NC Department of Health and Human Services Regional Soil Scientist. A request for informal review must be made in writing to the local health department.

You also have a right to a formal appeal of this decision. To pursue a formal appeal, you must file a petition for a contested case hearing with the Office of Administrative Hearings, 6714 Mail Service Center, Raleigh, NC 27699-6714. You may write the Office of Administrative Hearings, call the office at (919) 431-3000 or get a copy of the petition form from the OAH web site at http://www.ncoah.com/forms.html . The petition for a contested case hearing must be filed in accordance with the provision of North Carolina General Statutes 130A-24 and 150B-23 and all other applicable provisions of Chapter 150B. North Carolina General Statute 130A-335 (g) provides that your hearing would be held in the county where your property is located.

If you wish to pursue a formal appeal, you must file the petition form with the Office of Administrative Hearings **WITHIN 30 DAYS OF THE DATE OF THIS LETTER.** The date of this letter is 9/5/2020. Meeting the 30 day deadline is critical to your formal appeal.

If you file a petition for a contested case hearing with the Office of Administrative Hearings, you are required by law (NC General Statute 150B-23) to serve a copy of your petition on the Office of General Counsel, NC Department of Health and Human Services, 2001 Mail Service Center, Raleigh, NC 27699-2001.

Do not serve the petition on your local health department. Sending a copy of your petition to the local health department will not satisfy the legal requirement in NC General Statute 150B-23 that you send a copy to the Office of General Counsel, 2001 Mail Service Center, NC Department of Health and Human Services.

You may contact our office at 704-878-5305 x3456 or by fax at 704-871-3483.

Sincerely,

Maria Dotson

Signature of DHHS Authorized Agent

ICHD–ENVIRONMENTAL HEALTH DIVISION

PDB

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

PERMIT # 216537

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

PIN # 4626-52-5727

APPLICANT/OWNER: Burt Ward | APPLICANT ADDRESS: 158 Monarch Lane Mooresville, NC 28115

SITE ADDRESS: 306 Southfork Rd. Mooresville, NC 28117 | PHONE: 704-999-5179 | ALT. PHONE

SITE DIRECTIONS: BSR towards Lake Norman → R on SouthFork Rd → Lot on Right | SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: CL+T | SECTION: 8 | LOT # 10 | LOT AREA: 0.94 acres | DESIGN FLOW: 360 GPD | L.T.A.R.: 0.30

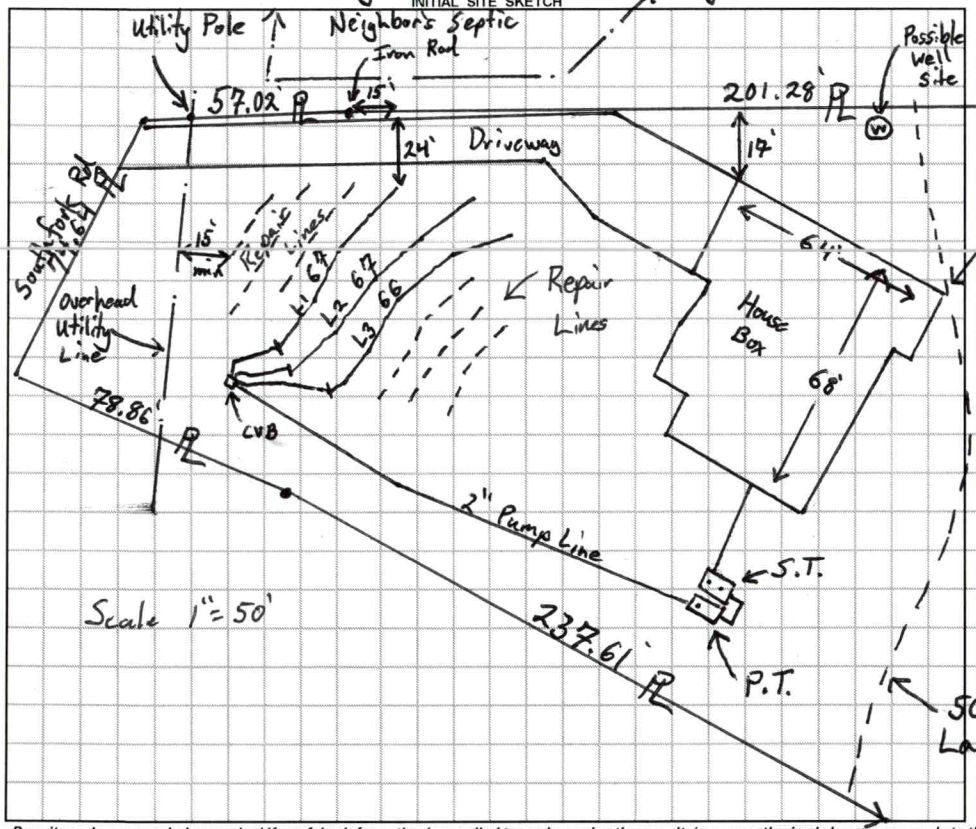
Septic Tank	1000	(gal)	STB		Date		☒ New System	☐ Repair	☐ Expansion	System Type: I II III (IV) V VI	
Pump Tank	1000	(gal)	PT		Date		System Description: LPPBPS (50% Reduction)				
Pump Make			Model		Serial #		Repair System Description: LPPBPS (50% Reduction)				
# Nitrification Fields	1		# Lines	3	Linear Ft	200	Maintenance Agreement Required:	☒ YES	☐ NO		
Trench Width	24"		Trench Bottom Depth(Low side) (High)	36"	Gravel Depth	—		☐ GRAVITY	☒ PRESSURE		

☒ Residence	No. Bedrooms	3	Water Supply	
☐ Business	No. Persons	6	☒ Private	
☐ Other	No. Employees		☐ Public	
☐ Slab	☐ Crawl Space		☐ Community	
☒ Basement w/plumbing			☐ Basement w/o plumbing	

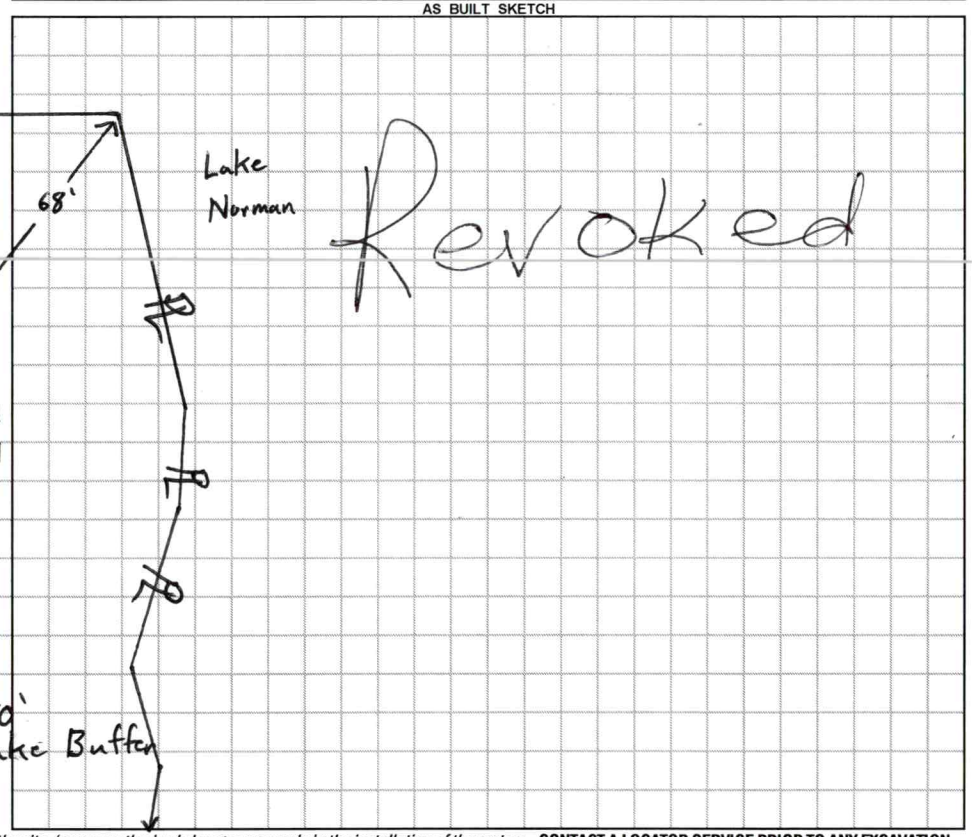
Comments / Conditions: 45 total panels. (15 panels per line). Set control floats to dose system no more than 160 gallons per pumping event. Recommend drilling well before constructing house.

Primary + repair septic areas to be ribbon-ed / fenced off to ensure construction vehicles will not traverse approved area.

INITIAL SITE SKETCH



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: B Ward | Date: 11/27/19 | Installed by:

IMPROVEMENT PERMIT by: Tom Shuck | Date: 11/26/19 | OPERATION PERMIT by: | Date:

AUTHORIZATION TO CONSTRUCT by: Tom Shuck | Date: 11/26/19 | Existing System Inspected by: | Date:

FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-9am the day the inspection is needed. Be sure to speak with an inpsector to confirm your inspection time.

IREDELL COUNTY HEALTH DEPARTMENT

PJB

Statesville Office – Central Permitting (704) 878-5305 (Mooresville Office) (704) 660-3625

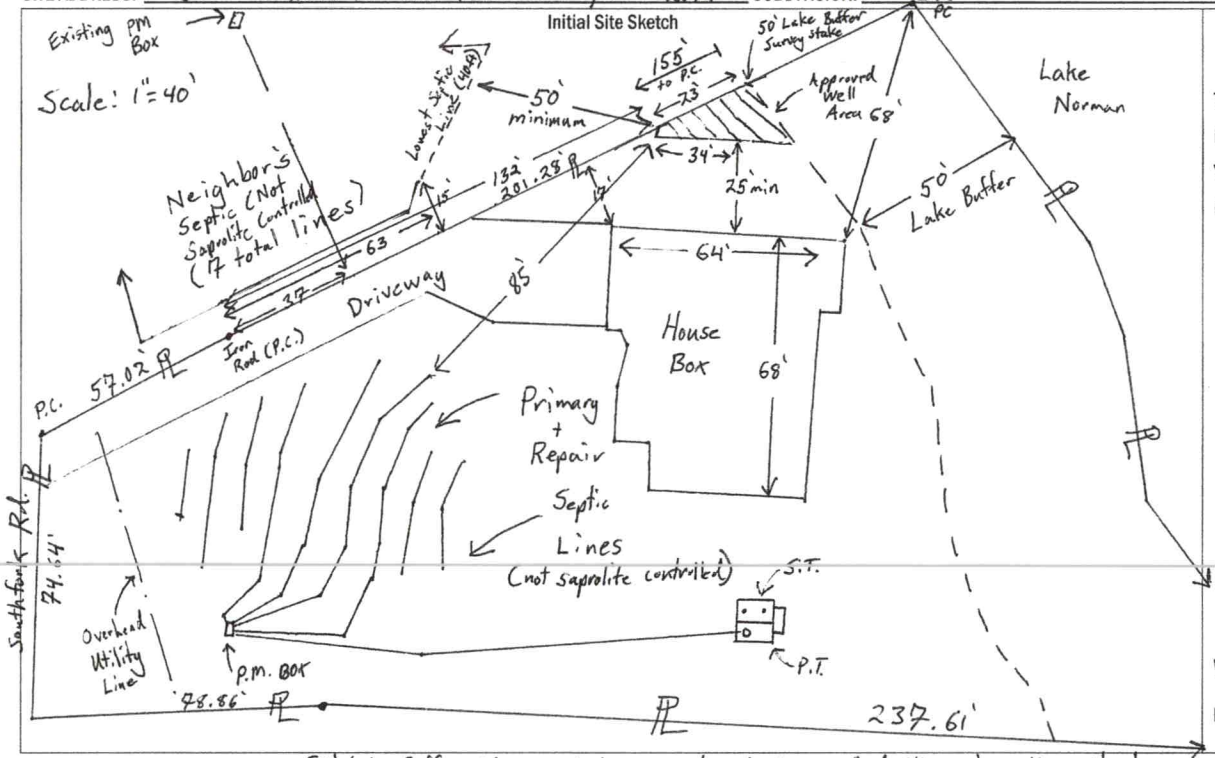
PRIVATE DRINKING WATER WELL PERMIT # 216537 **PIN #** 4626-52-5727 **Type of Permit (circle one):** (New) Repair Abandonment

APPLICANT/OWNER NAME: Burt Ward ADDRESS: 158 Monarch Lane Mooresville, NC 28115 PHONE: 704-999-5179

DIRECTIONS TO SITE: BSR towards Lake Norman → R on South Fork Rd → Lot on Right (1/2 mile past Agnew)

SITE ADDRESS: 306 South fork Rd. Mooresville, NC 28117 SUBDIVISION: CL+T SECTION/LOT: 8/10

Initial Site Sketch



GROUTING RESULTS

Total Depth _____

Depth of Casing _____

Yield _____

Notes:

Well GPS Latitude: _____

Longitude: _____

PERMIT CONDITIONS/COMMENTS: 50' Lake Buffer stakes must be present at time of drilling + inspection. No known DEQ release points within 2000 ft of desired well site. Recommend drilling well before building house.

WELL PERMIT ISSUED BY: Tom Church DATE: 11/25/19 (Permit is valid for 5 years from date issued. This permit may be revoked if it is determined there has been a material change in any fact or circumstance upon which the permit is issued. Actions of the employees of the Iredell County Health Department shall in no way be taken as a guarantee that this well will produce water of any particular quantity or quality or for any amount of time. Employees of the Iredell County Health Department assume no liability for any damages, either direct or consequential which may be caused by this well.)

Well Contractor: _____ CONTRACTOR CERT #: _____ GROUT INSPECTION BY: _____ DATE: _____

OR CERTIFICATION OF GROUT NOT WITNESSED BY DEPT: _____ DATE: _____ WELL HEAD INSPECTION BY: _____ DATE: _____

WELL HEAD INSPECTION (check when completed): GROUT TO GROUND SURFACE ☐ WELL CONTRACTOR ID PLATE ☐ PUMP INSTALLER ID PLATE ☐ SAMPLE PORT ☐

ACCESS PORT / VENT ☐ WELL SEAL ☐ WELL HEAD 12 INCHES / PITLESS ADAPTOR 8 INCHES ABOVE GRADE ☐

CERTIFICATE OF COMPLETION BY: _____ DATE: _____ WATER SAMPLES BY: _____ DATE: _____

Attachments: Form GW-1a (required except for abandonment) ☐ Form GW-30 ☐ Water Sample Results ☐ Plat ☐ CALL 704-664-3703 to schedule grout or well head inspections between 8-9am

IREDELL COUNTY

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

APPLICATION NUMBER
216537
Issue Date: 11/07/2019

AP-302488

ZONING PERMIT

Residential

Parcel Number	Street Address	Jurisdiction
4626525727.000	306 SOUTH FORK ROAD, MOORESVILLE, NC	IREDELL COUNTY

Owner Information		Applicant Information	
Owner:	WIMER DAVID F+MARGARET M	Applicant:	MICHAEL ATHANAS & ASSO
Address:	111 WALKER RD	Address:	561 ENNIS RD
	WASHINGTON CROSS, PA 18977		WEDDINGTON, NC 28173
Phone:		Phone:	704-576-3887

Use Requested	Zone Code
SFD- FAST TRACK	RR

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
	35.00	50.00	15.00	15.00	CACL	AE

Remarks:

LOT MUST BE 100 FT WIDE WHERE HSE BEGINS

Lake Lots: Must meet both the 50-foot setback from the 760 Æ contour line and the 35-foot setback from the rear property line for any structure.

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	192560	TOTAL FEES:	$ 77.25

IREDELL COUNTY HEALTH DEPARTMENT
JANE HINSON, RN BSN MS
HEALTH DIRECTOR

Public Health
Prevent. Promote. Protect.
Iredell County Health Department

Voluntary Relinquishment of Administrative Appeal Rights
(Completion of Form by Property Owner)

11/27/19 (Date)

Owner: Paul Lux
Address: 306 SouthFork Rd
Mooresville NC 28117

Subject: Voluntary Relinquishment of Administrative Appeal Rights

(specify Permit ID/owner's name/property location/site legal description):
306 South Fork Lane. CLT 58 Lot 10 PIN 46 26 52 5727
#216537

I, Paul Lux (print full name), voluntarily relinquish my rights to pursue a formal appeal through the Office of Administrative Hearings pursuant to NC General Statute 130A-24 and 150B-23 and all other applicable provisions of Chapter 150B for the above referenced permit in order for the authorized agent/local health department to issue the applicable permit (new IP and/or CA) for the site. I understand by completing this form the previous permit issued on 11-26-19 (date) for a system

LP-PPBPS 50% Reduction (system name)

for the site will be "revoked" immediately by the authorized agent/local health department.

Paul Lux
Signature of Property Owner

Central Office
318 Turnersburg Hwy
Statesville, NC 28625
704 878-5300

Mooresville Office
610 E. Center Avenue
Mooresville, NC 28115
704 660-3625

Environmental Health
349 N. Center Street
Statesville, NC 28677
704 878-5305 x3456

http://www.co.iredell.nc.us/Departments/Health/

IREDELL COUNTY HEALTH DEPARTMENT
JANE HINSON, RN BSN MS
HEALTH DIRECTOR

Public Health
Prevent. Promote. Protect.
Iredell County Health Department

Notice of Intent to REVOKE Improvement Permit-
November 26, 2019

Owner: Paul Lux
Address 306 Southfork Rd.
Mooresville, NC 28117

Subject: Notice of Intent to Revoke 306 Southfork Road Mooresville, NC /**PIN: 4626-52-5727**- Improvement Permit- #216537 (issued 2-25-2016)

Dear Property Owner:

The Iredell County Health Department (ICHD) inspected the site for a proposed on-site wastewater system at the above referenced location for compliance with the Laws (Article 11 of Chapter 130A of the North Carolina General Statutes), Rules (15A NCAC 18A .1900 et seq.), and Construction Authorization-Improvement Permit III (referenced above) conditions. As a result, the Department has determined the following violations:

Violation	Law or Rule Citation
15A NCAC 18A.137 (g)	"...if **the information submitted** in the application for the Improvement Permit (IP) or Construction Authorization (CA) is found to have been incorrect, falsified or **changed** or the site is altered, **the IP/CA shall become invalid and may be suspended or revoked.**"

This is to notify you that based on these violations, the Department intends to revoke your Improvement Permit 30 days from the date of this notice.

If the ICHD determines that all of the violations have been corrected before thirty (30) days expire, the revocation will not go into effect. If the permit is revoked, you must apply for a new Improvement Permit and meet the requirements of the current laws and rules necessary to obtain a new IP.

You have a right to an informal review of this decision. You may request an informal review by the environmental health supervisor at the local health department. You may also request an informal review by the NC Department of Health and Human Services Regional Soil Scientist. A request for informal review must be made in writing to the local health department.

You also have a right to a formal appeal of this decision. To pursue a formal appeal, you must file a petition for a contested case hearing with the Office of Administrative Hearings, 6714 Mail Service Center, Raleigh, NC 27699-6714. You may write the Office of Administrative Hearings, call the office at (919) 431-3000 or get a copy of the petition form from the OAH web site at http://www.ncoah.com/forms.html . The petition for a contested case hearing must be filed in accordance with the provision of North Carolina General Statutes 130A-24 and 150B-23 and all other applicable provisions of Chapter 150B. North Carolina General Statute 130A-335 (g) provides that your hearing would be held in the county where your property is located.

If you wish to pursue a formal appeal, you must file the petition form with the Office of Administrative Hearings **WITHIN 30 DAYS OF THE DATE OF THIS LETTER. The date of this letter is November 26, 2019**. Meeting the 30 day deadline is critical to your formal appeal.

If you file a petition for a contested case hearing with the Office of Administrative Hearings, you are required by law (NC General Statute 150B-23) to serve a copy of your petition on the Office of General Counsel, NC Department of Health and Human Services, 2001 Mail Service Center, Raleigh, NC 27699-2001.

Do not serve the petition on your local health department. Sending a copy of your petition to the local health department will not satisfy the legal requirement in NC General Statute 150B-23 that you send a copy to the Office of General Counsel, 2001 Mail Service Center, NC Department of Health and Human Services.

You may contact me at 704-902-4489 or by fax at 704-662-3239.

Sincerely,

Tom Shuck

Thomas Shuck REHS

IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 216537

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

PIN # 4626-52-5727

APPLICANT: Spivy Construction Co APPLICANT ADDRESS: 133 River Park Rd Ste B102 Mooresville, NC 28117

SITE ADDRESS: 306 South Fork Lane Mooresville, NC 28117 PHONE: 704-663-4189 ALT. PHONE:

SITE DIRECTIONS: BSR towards Lake Norman → Left onto South Fork Rd → Bear left on Southfork → Lot on Right.

SUBDIVISION: CL+T SECTION: 8 LOT # 10 LOT AREA: 0.94 acres DESIGN FLOW: 360 gal/day L.T.A.R.: 0.30

Septic Tank	1000 (gal)	STB	Date	☒ New System	☐ Repair	☐ Expansion	System Type: I II III (IV) V VI
Pump Tank	1000 (gal)	PT	Date	System Description:	LP-PPBPS - 50% Reduction		
Pump Make		Model	Serial #	Repair System Description:	LP-PPBPS - 50% Reduction		
# Nitrification Fields	1	# Lines 3	Linear Ft: 200	Maintenance Agreement Required:	☒ YES	☐ NO	
Trench Width	24"	Max. Trench Bottom Depth	36"	Gravel Depth	—	☐ GRAVITY	☒ PRESSURE

☒ Residence	No. Bedrooms	3	**Water Supply**
☐ Business	No. Persons	6	☒ Private
☐ Other	No. Employees		☐ Public
☐ Slab	☐ Crawl Space		☐ Community
☒ Basement w/plumbing			☐ Basement w/o plumbing

Comments / Conditions: Existing well must be properly abandoned prior to A/C being issued. Proposed drainfield lines to be ribbon-ed/ fenced off to ensure construction vehicles will not traverse approved area [due to proximity to existing driveway] I Recommend diverting all house downspout drains away from sewage disposal system. Strongly recommend abandoning existing well + drilling new well prior to commencing house construction due to access limitations.

INITIAL SITE SKETCH

See attached design by Michael Athanas + Associates

Application Date: 2-10-2016

Approved: 2-25-2016

* Well Abandoned 5/6/2016 by Neil Pardue (Air Drilling)

Revoked 11/26/19 (redrawn for house change) SP

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**

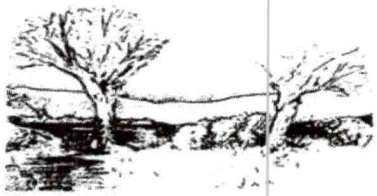
☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☒ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☒ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: Date: 03-04-16 Installed by:

IMPROVEMENT PERMIT by: Date: 2-25-2016 OPERATION PERMIT by: Date:

AUTHORIZATION TO CONSTRUCT by: Date: 5-26-2016 Existing System Inspected by: Date:

Health Dept. Copy - WHITE Applicant (Final Approval) - YELLOW Applicant (Conditional Approval) - PINK



APPROVED FEB 25 2016

MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
561 Ennis Rd.
Weddington, NC 28173
(704) 576-3887

Reference: Data Sheet for 306 Southfork Rd. CL&T Sec 8, Lot 10

House Footprint: See attached plan
Building Setbacks: 35' front, 15' side, 50' lake
Water Source: Private well
Number of Bedrooms: 3/360 GPD
Proposed LTAR: 0.3 GPD/FT2
Proposed System Type: PPBPS
Proposed Repair System Type: PPBPS
Distribution: Low Pressure-CVB
Flow per Orifice: 0.59 GPM
Orifice Size: 3/16"
System Flow: 26.6 GPM
Dosing Volume: 162 gallons
Pump Run Time: 6.1 minutes
Elevation Head: 22.8'
Friction Head: 2.6'
Pressure Head: 2'
Total Dynamic Head: 27.4'
Supply Line Length: 140' 2" PVC
Septic/Pump Tank Size: 1000/1000 gallons
Proposed Trench Bottom: 36"
Proposed Trench Width: 24" (8' Centers)

APPROVED FEB 25 2016

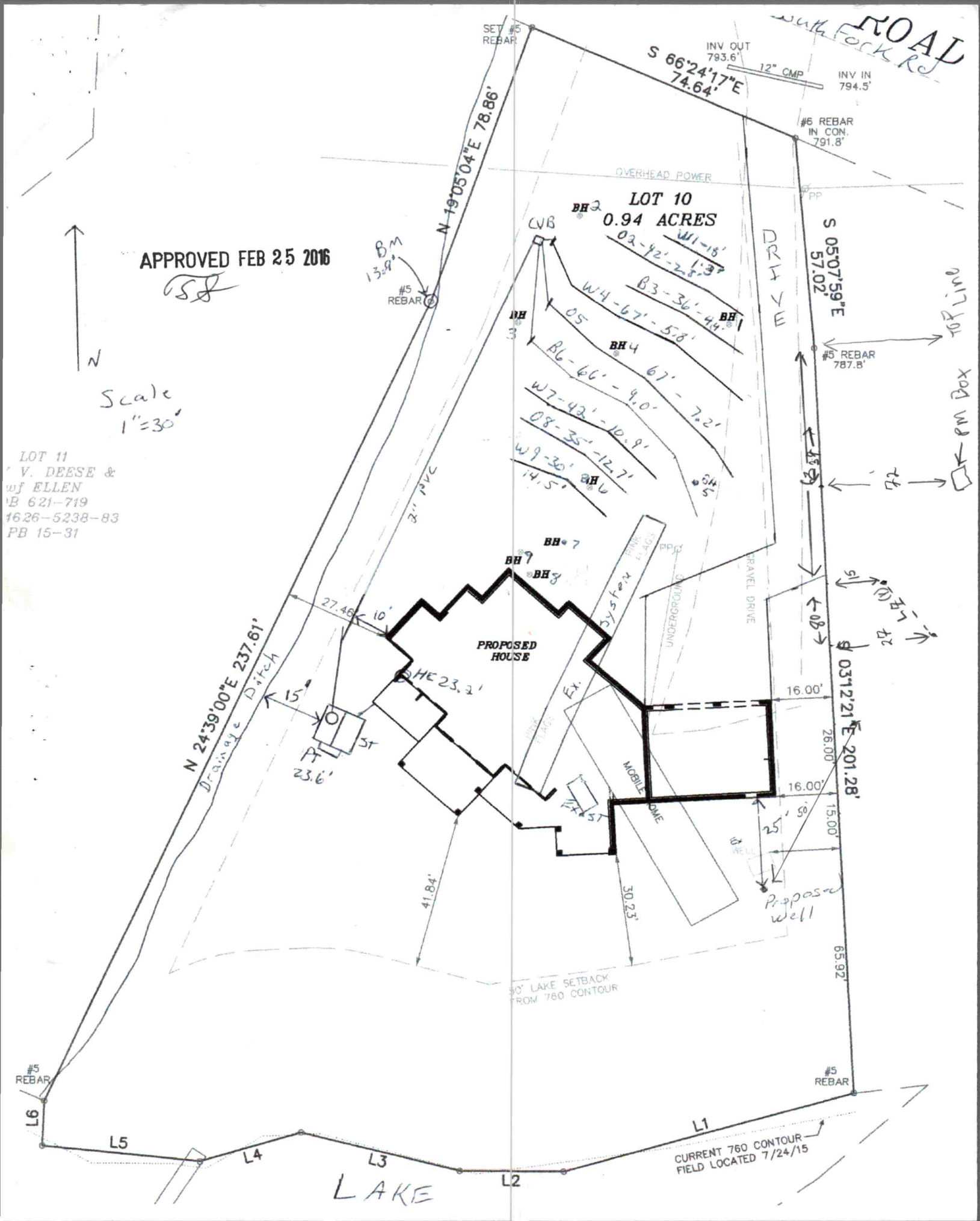
Line	Design Length	# of Panels	Actual Length	Elevation
White 1			18'	1.3'
Orange 2			42'	2.8'
Blue 3			36'	4.4'
White 4	**67'**	**15**	**68'**	**5.8'**
Orange 5	**67'**	**15**	**67'**	**7.2'**
Blue 6	**66'**	**15**	**66'**	**9.0'**
White 7			42'	10.9'
Orange 8			35'	12.7'
White 9			30'	14.5'

Initial System: 200' **Repair System:** 204'
Pump Tank: 23.6' **House Corner:** 23.2' **Benchmark:** 13.9'

Comments:
This property has an existing system that will be abandoned. MA&A are proposing a new three bedroom system. The existing well is too close to the proposed house and will also be abandoned. The new system is on 8' centers.

APPROVED FEB 25 2016

APPROVED FEB 25 2016


APPROVED FEB 25 2016
N
Scale 1"=30'
SET #5 REBAR
INV OUT 793.6'
12" CMP
INV IN 794.5'
S 66°24'17"E 74.64'
#6 REBAR IN CON. 791.8'
N 19°05'04"E 78.86'
OVERHEAD POWER
LOT 10
0.94 ACRES
BH 2
CVB
02-42'-2.8'
W1-18' 1:3
B3-36'-44'
W4-67'-5.8'
05
BH 4
67'-7.2'
B6-66'-9.0'
W7-42'-10.9'
08-35'-12.7'
W9-30'-14.5'
BH 6
BH 5
BH 3
BH 1
BM 13.9'
#5 REBAR
S 05°07'59"E 57.02'
#5 REBAR 787.8'
TOP LINE
PM Box
DRIVE
LOT 11
V. DEESE &
wf ELLEN
B 621-719
1626-5238-83
PB 15-31
BH 7
BH 9
BH 8
PROPOSED HOUSE
HE 23.2'
27.46'
10'
15'
23.6'
3" PVC
N 24°39'00"E 237.61'
Drainage Ditch
System
Ex.
GRAVEL DRIVE
UNDERGROUND
16.00'
26.00'
16.00'
15.00'
S 03°12'21"E 201.28'
MOBILE HOME
25'
50'
WELL
Proposed well
41.84'
30.23'
65.92'
50' LAKE SETBACK FROM 760 CONTOUR
#5 REBAR
#5 REBAR
L1
L2
L3
L4
L5
L6
CURRENT 760 CONTOUR FIELD LOCATED 7/24/15
LAKE
ROAD

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

PROPERTY ID #: 4626525727
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

APPROVED FEB 25 2016

OWNER: David Wimer
ADDRESS: 111 Walker Rd. Washington Cross, PA 18977
PROPOSED FACILITY: 3 bdrm PROPOSED DESIGN FLOW (.1949): 360 GPD
LOCATION OF SITE: 306 Southfork Rd., CL&T Sec8 Lot 10
WATER SUPPLY: ☒ Private ☐ Public ☒ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut

APPLICATION DATE
DATE EVALUATED:
PROPERTY SIZE: 0.94 AC
PROPERTY RECORDED: 8/23/1977

TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
1	LS 15-20%	0-8	Br L WSBK	FR SS SP SEXP	N/A	48"	N/A	N/A	PS 0.3
		8-48	R C SBK	FR SS SP SEXP					
2	LS 15-20%	0-4	Br L WSBK	FR SS SP SEXP	N/A	48"	N/A	N/A	PS 0.3
		4-38	R C SBK	FR SS SP SEXP					
		38-48	R CL WSBK	FR SS SP SEXP					
3	LS 15-20%	0-6	Br L WSBK	FR SS SP SEXP	N/A	48"	N/A	N/A	PS 0.3
		6-48	R C SBK	FR SS SP SEXP					
4	LS 15-20%	0-4	Br L WSBK	FR SS SP SEXP	N/A	48"	N/A	N/A	PS 0.3
		4-48	R C SBK	FR SS SP SEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	400 FT2	408 FT2
System Type(s)	PPBPS	PPBPS
Site LTAR	0.3	0.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: MA&A
OTHER(S) PRESENT:

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet)

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: 4626525727
DATE OF EVALUATION: _____
COUNTY: _IREDELL____

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
5	LS 15-20%	0-6	Br L WSBK	FR SS SP SEXP	N/A	48"	N/A	N/A	PS 0.3
		6-12	Br CL WSBK	FR SS SP SEXP					
		12-48	R C SBK	FR SS SP SEXP					
6	LS 15-20%	0-4	Br L WSBK	FR SS SP SEXP	N/A	48"	N/A	N/A	PS 0.3
		4-27	R C SBK	FR SS SP SEXP					
		27-48	R CL WSBK	FR SS SP SEXP					
7	LS 15-20%	0-4	FILL		N/A	48"	N/A	N/A	PS 0.3
		4-21	Br SCL WSBK	FR SS SP SEXP					
		21-48	R C SBK	FR SS SP SEXP					
8	LS 12%	0-28	Br SCL WSBK	FR SS SP SEXP	N/A	36"	N/A	N/A	PS 0.3 NOT IN SYSTEM AREA
		28-36	R C SBK	FR SS SP SEXP					
		36	AR						
9	LS 12%	0-28	Br SCL WSBK	FR SS SP SEXP	N/A	28"	N/A	N/A	PS 0.3 NOT IN SYSTEM AREA
		28	AR						

LICENSED SOIL SCIENTIST MICHAEL ATHANAS 1252 STATE OF NORTH CAROLINA

COMMENTS: _____

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

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

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

OWNER: David Wimer
ADDRESS: 133 River Park Rd Mooresville, NC
PROPOSED FACILITY: 3 BR House
PROPOSED DESIGN FLOW (.1949): 360 gal/day
LOCATION OF SITE: 306 South Fork Rd Mooresville, NC
APPLICATION DATE 2-10-16
DATE EVALUATED: 2-17-16
PROPERTY SIZE: 0.94 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
1	Adjacent LSS AH#3	0-5	Loam weak SBK	Friable, SS, SP, Sap	—	45	—	—	0.3 PS
		5-45	Clay weak SBK	Slightly Firm, SS, SP, Sap					
		SAP dusters 40-43" w/ Quartz fragments Closed @ 45"							
2	Repair Area [In 36' Blue line]	0-2	Loam weak SBK	Friable, SS, SP, Sap	—	48	—	—	0.3 PS
		2-48	Clay weak SBK	Slightly Firm, SS, SP, Sap					
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	2400	204
System Type(s)	PPBPS-LP	LP-PPBPS
Site LTAR	0.3	0.3

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

COMMENTS: _____

RECEIVED MAY 2 3 2016

IREDELL COUNTY HEALTH DEPARTMENT *ENVIRONMENTAL HEALTH DIVISION*

(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 ___ 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 #
Renee Spivey / Spivey Construction	PO Box 4268 Mooresville NC 28117	704-663-4189	704-363-7281
Owner Name	**Mailing Address**	**Home Phone #**	**Alternate Phone #**
David & Margaret Wimer	111 Walker Rd, Washington Crossing PA 18977	215-680-3348	

4. **Property Information:**

Street Address	Subdivision Name	Section/Phase and Lot Number
306 South Fork Rd Parcel # 4626-52-5727	CLT	S8 Lot 10

Driving Directions: Head west on Brawley School Rd (towards the Point) turn right onto Southfork Rd (just after fire station), bear left at the split to remain on Southfork Rd. Property on right hand side.

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 due to _____
( ) Other _____

Maximum Number of Bedrooms 3
Maximum Number of Occupants 6
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)* ( ) EXISTING SYSTEM installed _____ *Year*

( ) Alternative ✓) Conventional ( ) Innovative ( ) Modified Conventional ( ) Other _____

8. Please Answer The Following ( ) Yes ✓) No Does the site contain any jurisdictional wetlands?
To The Best of Your Ability: ( ) 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: Renee Spivey 5-23-16
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) 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, David & Meg Wimer, am the legal owner(s) of the property located at 306 South Fork Rd, Mooresville, NC 28117, identified as PIN (Parcel Identification Number) 4626-52-5727, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) Brian McManus & Willis Spivey, Spivey Construction Company Inc, 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.

7/28/15

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

Statesville - Environmental Health
adrienne.shea@co.iredell.nc.us
Fax: 704-871-3483

Z:Shared/EH_Admin/Forms/OSWP/Document to Authorize

WELL ABANDONMENT RECORD

North Carolina Department of Environment and Natural Resources- Division of Water Quality

WELL CONTRACTOR CERTIFICATION # 2609

1. WELL CONTRACTOR:

NEILL PARDUE
Well Contractor (Individual) Name

AIR DRILLING, INC.
Well Contractor Company Name

STREET ADDRESS 176 COMMERCE BLVD

STATESVILLE NC 28625
City or Town State Zip Code

(704) - 872-7614
Area code - Phone number

2. WELL INFORMATION:

SITE WELL ID # (if applicable)

STATE WELL PERMIT # (if applicable)

COUNTY WELL PERMIT # (if applicable) 216537

DWQ or OTHER PERMIT # (if applicable)

WELL USE (Check applicable use): ☐ **Monitoring** ☑ **Residential**

☐ **Municipal/Public** ☐ **Industrial/Commercial** ☐ **Agricultural**

☐ **Recovery** ☐ **Injection** ☐ **Irrigation**

☐ Other (list use)

3. WELL LOCATION:

COUNTY IREDELL QUADRANGLE NAME

NEAREST TOWN: MOORESVILLE

306 SOUTHFORK RD.
(Street/Road Name, Number, Community, Subdivision, Lot No., Parcel, Zip Code)

TOPOGRAPHIC / LAND SETTING:

☐ Slope ☐ Valley ☐ Flat ☐ Ridge ☐ Other
(Check appropriate setting)

LATITUDE 35° 33. 338

LONGITUDE 80° 55. 886

May be in degrees, minutes, seconds, or in a decimal format

Latitude/longitude source: ☐ **GPS** ☐ **Topographic map**

(Location of well must be shown on a USGS topo map and attached to this form if not using GPS.)

4a. FACILITY- The name of the business where the well is located. Complete 4a and4b. (If a residential well, skip 4a; complete 4b, well owner information only.)

FACILITY ID #(if applicable)

NAME OF FACILITY

STREET ADDRESS

City or Town State Zip Code

4b. CONTACT PERSON/WELL OWNER:

NAME SPIVEY CONSTRUCTION

STREET ADDRESS P.O. BOX 4268

MOORESVILLE, NC 28117

5. WELL DETAILS:

a. Total Depth: 66 ft. Diameter: 2 in.

b. Water Level (Below Measuring Point): ft.

Measuring point is ft. above land surface.

6. CASING:

	Length	Diameter
a. Casing Depth (if known):	N/A ft.	in.
b. Casing Removed:	N/A ft.	in.

7. DISINFECTION: HTH

(Amount of 65%-75% calcium hypochlorite used)

8. SEALING MATERIAL:

Neat Cement

Cement --- lb.
Water ---- gal.

Sand Cement

Cement --- lb.
Water ---- gal

Bentonite

Bentonite lb.

Type: ☐ Slurry ☐ Pellets

Water gal.

Other

Type material BENTONITE CHIPS

Amount 100 LBS

9. EXPLAIN METHOD OF EMPLACEMENT OF MATERIAL:

POURED

10. WELL DIAGRAM: Draw a detailed sketch of the well on the back of this form showing total depth, depth and diameter of screens (if any) remaining in the well, gravel interval, intervals of casing perforations, and depths and types of fill materials used.

11. DATE WELL ABANDONED 5/5/16

I DO HEREBY CERTIFY THAT THIS WELL WAS ABANDONED IN ACCORDANCE WITH 15A NCAC 2C, WELL CONSTRUCTION STANDARDS, AND THAT A COPY OF THIS RECORD HAS BEEN PROVIDED TO THE WELL OWNER.

Neill Pardue 5/5/16

SIGNATURE OF CERTIFIED WELL CONTRACTOR **DATE**

SIGNATURE OF PRIVATE WELL OWNER ABANDONING THE WELL **DATE**
(The private well owner must be an individual who personally abandons his/her residential well in accordance with 15A NCAC 2C .0113.)

NEILL PARDUE

PRINTED NAME OF PERSON ABANDONING THE WELL

Submit a copy to the owner and the original to the Division of Water Quality within 30 days.
Attn: Information Management, 1617 Mail Service Center – Raleigh, NC 27699-1617, Phone No. (919) 733-7015 ext 568.

Form GW-30
Rev. 5/06

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

PROPERTY ID #: 4626525727
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: David Wimer
ADDRESS: 111 Walker Rd. Washington Cross, PA 18977
PROPOSED FACILITY: 3 bdrm
PROPOSED DESIGN FLOW (.1949): 360 GPD
LOCATION OF SITE: 306 Southfork Rd., CL&T Sec8 Lot 10
APPLICATION DATE
DATE EVALUATED:
PROPERTY SIZE: 0.94 AC
PROPERTY RECORDED: 8/23/1977

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)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
1	LS 15-20%	0-8	Br L WSBK	FR SS SP SEXP	N/A	48"	N/A	N/A	PS 0.3
		8-48	R C SBK	FR SS SP SEXP					
2	LS 15-20%	0-4	Br L WSBK	FR SS SP SEXP	N/A	48"	N/A	N/A	PS 0.3
		4-38	R C SBK	FR SS SP SEXP					
		38-48	R CL WSBK	FR SS SP SEXP					
3	LS 15-20%	0-6	Br L WSBK	FR SS SP SEXP	N/A	48"	N/A	N/A	PS 0.3
		6-48	R C SBK	FR SS SP SEXP					
4	LS 15-20%	0-4	Br L WSBK	FR SS SP SEXP	N/A	48"	N/A	N/A	PS 0.3
		4-48	R C SBK	FR SS SP SEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	400 FT2	408 FT2
System Type(s)	PPBPS	PPBPS
Site LTAR	0.3	0.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: MA&A
OTHER(S) PRESENT:

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet)

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: 4626525727
DATE OF EVALUATION: _____
COUNTY: _IREDELL____

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
5	LS 15-20%	0-6	Br L WSBK	FR SS SP SEXP	N/A	48"	N/A	N/A	PS 0.3
		6-12	Br CL WSBK	FR SS SP SEXP					
		12-48	R C SBK	FR SS SP SEXP					
6	LS 15-20%	0-4	Br L WSBK	FR SS SP SEXP	N/A	48"	N/A	N/A	PS 0.3
		4-27	R C SBK	FR SS SP SEXP					
		27-48	R CL WSBK	FR SS SP SEXP					
7	LS 15-20%	0-4	FILL		N/A	48"	N/A	N/A	PS 0.3
		4-21	Br SCL WSBK	FR SS SP SEXP					
		21-48	R C SBK	FR SS SP SEXP					
8	LS 12%	0-28	Br SCL WSBK	FR SS SP SEXP	N/A	36"	N/A	N/A	PS 0.3 NOT IN SYSTEM AREA
		28-36	R C SBK	FR SS SP SEXP					
		36	AR						
9	LS 12%	0-28	Br SCL WSBK	FR SS SP SEXP	N/A	28"	N/A	N/A	PS 0.3 NOT IN SYSTEM AREA
		28	AR						

COMMENTS: _____



MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
561 Ennis Rd.
Weddington, NC 28173
(704) 576-3887

Reference: Data Sheet for 306 Southfork Rd. CL&T Sec 8, Lot 10
House Footprint: See attached plan
Building Setbacks: 35' front, 15' side, 50' lake
Water Source: Private well
Number of Bedrooms: 3/360 GPD
Proposed LTAR: 0.3 GPD/FT2
Proposed System Type: PPBPS
Proposed Repair System Type: PPBPS
Distribution: Low Pressure-CVB
Flow per Orifice: 0.59 GPM
Orifice Size: 3/16"
System Flow: 26.6 GPM
Dosing Volume: 162 gallons
Pump Run Time: 6.1 minutes
Elevation Head: 22.8'
Friction Head: 2.6'
Pressure Head: 2'
Total Dynamic Head: 27.4'
Supply Line Length: 140' 2" PVC
Septic/Pump Tank Size: 1000/1000 gallons
Proposed Trench Bottom: 36"
Proposed Trench Width: 24"

Line	Design Length	# of Panels	Actual Length	Elevation
White 1			18'	1.3'
Orange 2			42'	2.8'
Blue 3			36'	4.4'
White 4	**67'**	**15**	**68'**	**5.8'**
Orange 5	**67'**	**15**	**67'**	**7.2'**
Blue 6	**66'**	**15**	**66'**	**9.0'**
White 7			42'	10.9'
Orange 8			35'	12.7'
White 9			30'	14.5'

Initial System: 200' **Repair System:** 204'
Pump Tank: 23.6' **House Corner:** 23.2' **Benchmark:** 13.9'

Comments:
This property has an existing system that will be abandoned. MA&A are proposing a new three bedroom system. The existing well is too close to the proposed house and will also be abandoned. The new system is on 8' centers.