IREDELL COUNTY HEALTH DEPARTMENT

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

PERMIT # 227853

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

PIN # 4639506278

APPLICANT/OWNER: Jay White | Adrian Pruett

APPLICANT ADDRESS: PO Box 1703 Mooresville, NC

SITE ADDRESS: 389 Stumpy Creek Rd. Mooresville, NC 28117

PHONE: 704-202-5791

ALT. PHONE N/A

SITE DIRECTIONS: Perth Rd → L on Liva → L on Stumpy Creek → lot on R

SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: CL+T

SECTION: 14 LOT # 125 LOT AREA: .81 AC

DESIGN FLOW: 480gpd L.T.A.R.: .3 (.3 repair)

Septic Tank	~~existing~~ 1000 (gal)	STB	825	Date	11-20-18	☐ New System	☐ Repair	☑ Expansion	System Type: I II (III) IV V VI		☑ Residence	No. Bedrooms	4	Water Supply					
Pump Tank	1000 (gal)	PT	302	Date	11-3-18	System Description: PM 25% reduction					☐ Business	No. Persons	8	☑ Private					
Pump Make	Zoeller	Model	N152	Serial #		Repair System Description: LP PPBPS					☐ Other	No. Employees		☐ Public					
# Nitrification Fields	1	# Lines	3	Linear Ft	200'	Maintenance Agreement Required:	☐ YES	☑ NO			☐ Slab	☐ Crawl Space		☐ Community					
Trench Width	36"	Trench Bottom Depth(Low side)	31/36" highside	Gravel Depth	—		☐ GRAVITY	☑ PRESSURE			☑ Basement w/plumbing			☐ Basement w/o plumbing					

Comments / Conditions: Flow divider should be brought to grade. Flow divider should be installed level (ie. small bed of gravel or encased in concrete. Flow divider must be maintained annually.

Grinder pump should be used for basement plumbing up to main house level plumbing. Existing system is gravel bed.

INITIAL SITE SKETCH

See attached site plan by Carolina Soil + Septic Consulting

AS BUILT SKETCH

new ST installed

4-3 43

~~#1 AUDIBLE ALARM~~ - P.T. LID - NO AUDIBLE ALARM CRACKED BCW

	Date	Initials
Drain Lines Checked	1-22	KW
Tanks Checked	1-22	KW
Pressure Manifold or Valve Box Checked	1-22	KW
Pressure Head Set	1-22	KW
Electrical Checked	4-3	CC
Floats Set	1-22	KW
Alarm Checked	4-3	CC
Maintenance Contract Y / N		

fixed 4-3 - CC

struct

FOR SEPTIC FINAL INSPECTION

CALL 704-664-3703

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: 10-13-17 Installed by: Kevin w/ Rowan Septic

IMPROVEMENT PERMIT by: [signature] Date: 7-18-17 OPERATION PERMIT by: Burkhart Construction Date: 4-3-19

AUTHORIZATION TO CONSTRUCT by: [signature] Date: 2-26-18 Existing System Inspected by: Date:

IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 227853

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

PIN # 4639506278

APPLICANT/OWNER: Jay White | Adrian Pruett APPLICANT ADDRESS: P.O. Box 1703 Mooresville, NC

SITE ADDRESS: 389 Stumpy Creek Rd. Mooresville, NC 28117 PHONE: 704-202-5791 ALT. PHONE N/A

SITE DIRECTIONS: Perth Rd → L on Liva → L on Stumpy Creek → lot on R SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: CL+T SECTION: 14 LOT # 125 LOT AREA: .81 AC DESIGN FLOW: 480gpd L.T.A.R.: .3 (.3 repair)

Septic Tank ~~existing~~ 1000 (gal) STB 825 Date 11-20-18

Pump Tank 1000 (gal) PT 302 Date 11-3-18

Pump Make Zoeller Model N152 Serial #

Nitrification Fields 1 # Lines 3 Linear Ft 200'

Trench Width 36" Trench Bottom Depth(Low side) 31"/36" highside Gravel Depth —

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

System Description: PM 25% reduction

Repair System Description: LP PPBPS

Maintenance Agreement Required: ☐ YES ☑ NO

☐ GRAVITY ☑ PRESSURE

☑ Residence No. Bedrooms 4

☐ Business No. Persons 8

☐ Other No. Employees

☐ Slab ☐ Crawl Space

☑ Basement w/plumbing ☐ Basement w/o plumbing

Water Supply: ☑ Private ☐ Public ☐ Community

Comments / Conditions: Flow divider should be brought to grade. Flow divider should be installed level (i.e. small bed of gravel or encased in concrete. Flow divider must be maintained annually.

Grinder pump should be used for basement plumbing up to main house level plumbing. Existing system is gravel bed.

INITIAL SITE SKETCH

See attached site plan by Carolina Soil + Septic Consulting

AS BUILT SKETCH

-new ST installed

	Date	Initials
Drain Lines Checked	1-22	KW
Tanks Checked	1-22	KW
Pressure Manifold or Valve Box Checked	1-22	KW
Pressure Head Set	1-22	KW
Electrical Checked		
Floats Set	1-22	KW
Alarm Checked		
Maintenance Contract Y / (N)	—	—

struct

FOR SEPTIC FINAL INSPECTION

CALL 704-664-3703

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.*

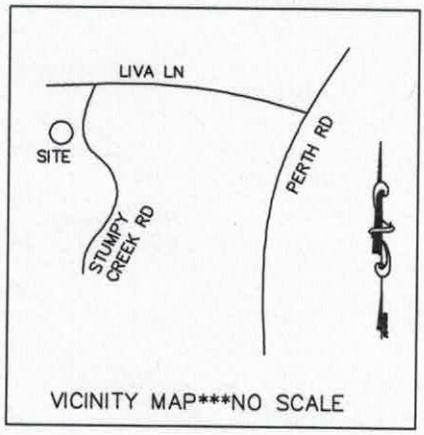
Owner / Applicant Signature: [signature] Date: 10-13-17 Installed by: Kevin w/ Rowan Septic

IMPROVEMENT PERMIT by: [signature] Date: 7-18-17 OPERATION PERMIT by: Date:

AUTHORIZATION TO CONSTRUCT by: [signature] Date: 2-26-18 Existing System Inspected by: Date:

*revised copy

CURVE TABLE				
CURVE	RADIUS	LENGTH	BEARING	CHORD
C1	150.98'	64.79'	S 58°50'23" E	64.29'



APPROVED JUL 18 2017
KW

INFORMATION FOR INSTALLER:

- The permit should be read very carefully prior to submitting bid. 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 when requested.
- All tanks shall be properly back filled and compacted to prevent slumping at a later date.
- The installer is responsible for final grades and returning that grade to original, with exception of added structural features.
- The supply trench shall be compacted to eliminate any 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 has no more than 1/4"fall in 10 feet with no high or low areas within. If high or low areas do exist after trench excavation, high areas should be removed rather than filling in low areas. Do not over excavate trenches! Any fine grading should be completed by hand with a rake and shovel, leaving no loose material.
- All pipe openings in the tanks shall be properly grouted. This also applies to the joints around the riser.
- Earth dams, constructed of relatively impervious material, shall be installed at the beginning and end of each lateral to prevent unwanted lateral water movement.
- Elevations at pin flag locations should be checked by the installer prior to beginning trenches to insure accuracy.
- Pump tank riser should be 6" above grade, control panel should be 12" above grade.
- If septic tank riser is used it should be a minimum of 6" above finished grade or within 6" below finished grade.
- Design precludes use of foundation drains on the residence and assumes back filling for positive drainage unless other wise noted.
- Trench walls should be raked, limed and installed at the depth specified by this design.
- Rake trench walls, lime sidewalls, install trenches 36" wide and have no more than 1/4" fall in 10 feet.
- **System is specified as an Existing Gravity 2 bedroom Conventional Bed with a flow divider to a pump tank that doses a 2 bedroom Accepted Pressure Manifold 25% reduction system.**
- **Repair is specified as an modified Low Pressure PPBPS installation.**
- **If grading for slab foundation is utilized do not grade/create greater than 2 ft of elevation difference within 15 ft of any component of the septic or repair. If back filling do not backfill over any initial or repair septic line.**

APPROVED JUL 18 2017
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PRESSURE MANIFOLD SYSTEM
DESIGN SPECIFICATIONS

Owner:	Jay Kevin White
Address:	120 Barrister Bay Ln. Mooresville, NC 28117
Contact:	Kevin Kirkpatrick
Phone:	704-202-1996
County:	Iredell
Location:	389 STUMPY CREEK RD., CL&T SECTION 14 LOT 125
Drainfield Design Flow (gpd):	480
Loading/Soil Application Rate (gpd/ft.^{2}):	0.3
Depth of Gravel in Trench:	NA (25% reduction)
Gravel Size:	NA (25% reduction)
Total Lateral Length From Layout:	201
Total Lateral Length Required:	200
Trench Depth:	27 in. Low side
Trench Width:	36 in.
Trench Spacing:	9 ft. on center
Trench Bottom Area:	603
Repair Trench Spacing:	9 ft. on center
Repair Trench Depth:	28 in. Low side
Septic Tank Size:	1000
Pump Tank Size:	1000
Estimated Supply Line Length:	305
Supply Line Diameter:	2 in. SCH 40 PVC
Supply Line Volume:	53.07
Dosing Volume:	91.88
Pump Tank Draw Down:	4.4
Supply Manifold Size:	4 in. SCH 80 PVC
Supply Manifold Length:	4 ft. (minimum)
Supply Manifold Volume:	N/A
Recommended Dosing Controls:	Float Control Switches as Required for Control Panel or County Approved Equivalents
Recommended Control Panel:	NEMA 4X Control Panel or County Approved Control Panel.
Pressure Head:	2 ft.
Friction Head:	0.84
Elevation Head:	21.60
Total Dynamic Head:	31.39
Threaded Union:	In Tank
Gate Valves:	1 in Tank 1 at Pressure Manifold
Check Valves:	In Tank
Anti-Siphon Hole:	NA
Additional Comments:	Soil suitability was performed by CS&SC

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

389 STUMPY CREEK RD., CL&T SECTION 14 LOT 125
FIELD LAYOUT SPECIFICATIONS

LAYOUT FOR 4 BEDROOM HOME

June 11, 2017

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM		2.0			100.00		
INSTR. 1			102.00				
HOUSE				20.00	82.00		
TANK				20.40	81.60		
1	BLUE			2.20	99.80	26	26
2	YELLOW			3.00	99.00	51	51
3	PINK			3.80	98.20	63	63
4	***RED***			***4.80***	***97.20***	***79***	***67***
5	***ORANGE***			***6.00***	***96.00***	***70***	***67***
6	***BLUE***			***7.20***	***94.80***	***70***	***67***
7	***EX. BED***					***6.5'X74'***	***6.5'X74'***
					Total	**359**	**341**

	LINE LENGTH	SYSTEM TYPE	SOIL LTAR GPD/FT[1]	TRENCH SYSTEM	DISTRIBUTION	
**** System***	***201***	***ACCEPT.***	***0.300***	***25% RED.***	**PRESSURE MANIFOLD**	
Existing Bed	***6.5'X74'***	***CONV.***			**GRAVITY**	**2 bedroom eq.**
Repair	140	MOD.	0.300	PPBPS	LOW PRESSURE	

Notes:
** TBM located on EIP at front right corner(see site plan)
**All measures in feet
**Nitrification lines are demonstrated on contour via colored pin flags
**BS, HI, and FS indicate rod readings

COMMENTS: ***The Existing Conventional Bed system is equivalent to 2 bedrooms and is to be fed via flow divider after the septic tank that splits the total flow of the system in half. Dosing the Existing Bed system with 2 bedrooms worth of flow and a pump tank with 2 bedrooms worth of flow. The pump tank will then dose 2 bedrooms worth of the flow to a 25% Reduction system located at the top of the property.**
***The flow divider must consist of a type that can be adjusted/cleaned from the surface to ensure equal future flow and installed on a level concrete pad.**
***Existing septic tank may require replacement depending on condition once it is excavated. If so it is to be replaced with a new 1000 gallon tank minimum.**
***Lot platted 3/9/1976 and is repair exempt. The expansion of 2 bedrooms requires repair and is shown.**
***Depression area at front left of property to be filled.**
***Iredell County has CS&SC's permission to change the location of the distribution device and tanks.**

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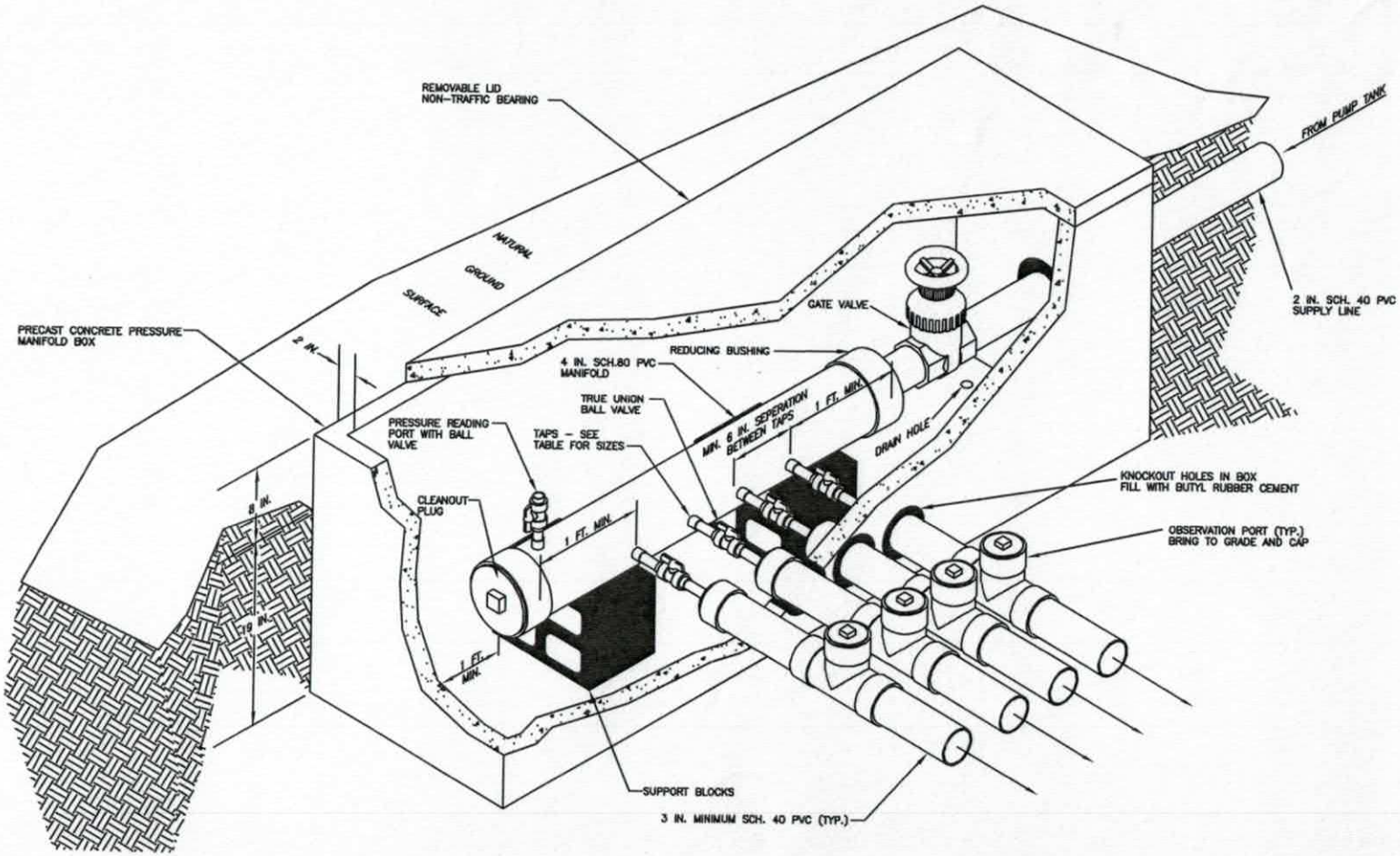
PRESSURE MANIFOLD TAPSHEET - 389 STUMPY CREEK RD
CL&T SECTION 14 LOT 125
SYSTEM

Line #	Color	Elev	Length	Hole Size	Flow/Tap	gpd	Trench Area	Line LTAR
4	***RED***	***97.20***	*67*	SCH 80 1/2	**5.48**	30.63	201	0.15
5	***ORANGE***	***96.00***	*67*	SCH 80 1/2	**5.48**	30.63	201	0.15
6	***BLUE***	***94.80***	*67*	SCH 80 1/2	**5.48**	30.63	201	0.15
	total	**feet =**	**201**	**gal/min =**	**16.44**			
			Des. Flow	**480**				
			Pump Run=	**5.59**				
			LTAR	**25% RED.**				

Some lines flagged longer in the field, shorten to lengths shown here.

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TYPICAL PRESSURE MANIFOLD DETAIL



CALCULATIONS

Location 389 STUMPY CREEK RD
Subdivision: CL&T SECTION 14
Lot No: 125

No. of Bedrooms	4	
Design Flow	480	$^{gal}/_{day}$
LTAR	0.3	$^{gpd/ft^2}$
25% RED.? (YES OR NO)	YES	
Supply Line Length	305	ft.
Supply Line Volume	53.07	gal.
Required Feet of Line	200	ft.
Amount of Line from Layout	201	ft.
Gallons per Minute	16.44	$^{gal}/_{min}$
Required Septic Tank Capacity	1000	gal. Existing
Minimum Standard Tank Size	1000	
Lateral Line Volume	131.253	gal.
Dosing Volume	91.88	gal.

Note: Dosing Volume based on 70% of lateral line volume

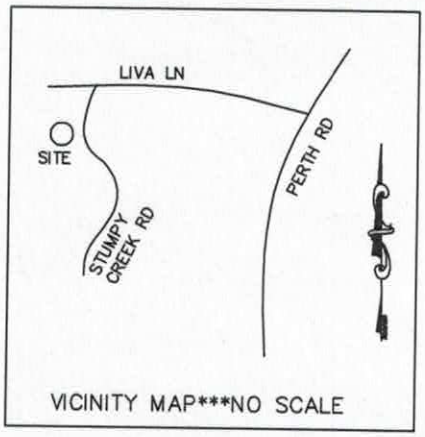
Tank Draw Down	4.4	*Generic Draw Down of 21 gal.per in.*
Pump Run Time	5.59	minutes
Elevation Head	21.6	ft.
Pressure Head	2	ft.
Friction Factor	0.84	ft./100 ft. *(From the interpolater.)*
Friction Head	2.56	ft.
Total Dynamic Head (+20%)	31.39	ft.

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

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KW

CURVE TABLE				
CURVE	RADIUS	LENGTH	BEARING	CHORD
C1	150.98'	64.79'	S 58°50'23" E	64.29'



LAKE NORMAN

105.73
S78°55'00"W

760 CONTOUR PER ACTUAL FIELD SURVEY

77.34
N63°45'59"W

761 CONTOUR (FLOOD LINE)

EIP

PB13 PG32

50' BUFFER FROM ACTUAL 760 CONTOUR

EX. SEPTIC

EX. TANK

230.63

S33°33'01"W

15' SIDE SETBACK

LOT 125
0.81 AC.

290.98
N34°54'00"E
(BASE BEARING)

15' SIDE SETBACK

LOT 126
PATTIE S. NEWLIN
FAMILY LP
1212\749

LOT 1040
CHRISTOPHER BICE
2288\2213

BH-1
BH-7
BH
BH-4
BH-6
OBH-2
GRAVEL DR.
35' FRONT SETBACK
C1

IPS
S71°08'00"E
83.58

R\W

STUMPY CREEK RD.
(60' PUBLIC R\W)

(TIE ONLY)
N11°55'02"W
91.63

PK NAIL

LEGEND

- P.P. = POWER POLE
- POWER TRANS.
- E.I.P. = EXISTING IRON FOUND
- I.P.S. = #4 REBAR SET
- R/W = RIGHT-OF-WAY
- (W) = WELL
- CP = COMPUTED POINT

APPROVED JUL 18 ...
KW

0' 25' 50' 100'
SCALE IN FEET

NOTES

1) THIS PROPERTY MAY BE SUBJECT TO ANY EASEMENT AND/OR RIGHTS-OF-WAY OF RECORD.
2) AREA COMPUTED BY THE COORDINATE METHOD.
3) EXISTING 760' & 761' CONTOUR ELEVATION BASED ON LAKE NORMAN LAKE LEVEL AT COWAN'S FORD DAM (READING ON 5\22\2017.
4) UNDERGROUND POWER
5) NO GRID MONUMENT FOUND WITHIN 2000 FEET.

APPROVED JUL 18 2017 KW

Sheet 1 of 2
PROPERTY ID #: 4639506278
COUNTY: Iredell

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

OWNER: Jay Kevin White
ADDRESS: 120 Barrister Bay Ln, Mooresville NC 28117
PROPOSED FACILITY: Res. PROPOSED DESIGN FLOW (.1949): 480 gpd
LOCATION OF SITE: 389 Stumpy Creek Rd. Mooresville, CL&T Section 14 Lot 125
WATER SUPPLY: ☑ Private ☐ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☑ Auger Boring ☐ Pit ☐ Cut
APPLICATION DATE 6-13-17
DATE EVALUATED: 5-31-17
PROPERTY SIZE: 0.81 ac
PROPERTY RECORDED: yes
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
B 1	LSS 12%	0-6	B SCL Gr	Fr SS SP SE xP	N/A	48"	N/A	N/A	PS 0.325-0.35
		6-18	RC MFSBk	Fr SS SP SE xP					
		18-36	RCL WFSBk	Fr SS SP SE xP	- com sap				
		36-48	YR LWFSBk	Fr SS SP SE xP	- com/many sap				
B 4	LSS 12%	0-6	B SCL Gr	Fr SS SP SE xP	N/A	48"	N/A	N/A	PS 0.3
		6-22	RC MFSBk	Fr S P SE xP					
		22-48	YR CL WFSBk	Fr SS SP SE xP	- com sap				
B 5	LSS 9%	0-6	B SCL Gr	Fr SS SP SE xP	N/A	48"	N/A	N/A	PS 0.3
		6-32	RC MFSBk	Fr SS SP SE xP					
		32-48	RCL WFSBk	Fr SS SP SE xP	- com sap				
B 6	LSS 10%	0-16	RC WFSBk	Fr SS SP SE xP	N/A	44"	PS	N/A	PS 0.325-0.35
		16-39	RCL WFSBk	Fr SS SP SE xP	few/com sap				
		39-44	YR CL WFSBk	Fr SS SP SE xP	- com/many sap				
		44-48	Var SL Sap B	Fr SS SP SE xP	few RCL				

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	Conv. Bed/PR 25%	LPPPBR
Site LTAR	0.3	0.3

OTHER FACTORS (.1946): None
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Adrian L Pruett
OTHER(S) PRESENT: Kevin Kirkpatrick

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

Sheet 2 of 2

APPROVED JUL 18 2017
KW

PROPERTY ID #: 4639506278
DATE OF EVALUATION: 5-31-17
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
B7	LSS 12%	0-12	RC wFSBk	Fr S PSExP	N/A	48"	N/A	N/A	PS 0.3
		12-24	RC wFSBk	Fr SS SP SExP					
		24-48	R cl wFSBk	Fr SS SP SExP ~~for sap~~					

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

Sheet 1 of 1
PROPERTY ID #: 463950601
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Jay White
ADDRESS: 389 Stumpy Creek Rd. APPLICATION DATE 6-11-17
PROPOSED FACILITY: SFR PROPOSED DESIGN FLOW (.1949): 480gpd DATE EVALUATED: 6-16-17
LOCATION OF SITE: Perth Rd → L on Liva → L on Stumpy Creek → lot on R PROPERTY SIZE: .81 AC
WATER SUPPLY: ☑ Private ☐ Public ☑ Well ☐ Spring ☐ Other PROPERTY RECORDED: YES
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	9% LS	0-17	WSBK SCL	Fr,SS,SP,SExP	—	40	32-40" many SAP inc.		PS .3
		17-32	SBK C	Fr,SS,SP,SExP					
		32-40	WSBK CL BC	Fr,SS,SP,SExP					
repair		40-48	LSAP mat SLC	VFr,NS,NP					
2	12% LS	0-4	WSBK SCL	Fr,SS,SP,SExP	—	48	30-48" com-many SAP inc.		PS .3
		4-20	SBK C	Fr,SS,SP,SExP					
init		20-48	WSBK BC CL	Fr,SS,SP,SExP					
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
vailable Space (.1945)	PS	PS
ystem Type(s)	conven/PM 25%	LPP PPBPS
e LTAR	.3	.3

OTHER FACTORS (.1946): PS
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Kayla Wilson
OTHER(S) PRESENT: Adrian Pruett

MMENTS:

RECEIVED FEB 1 9 2018

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM

Application For: ( ) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
( ) 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: Rowland Development Corp **Address:** 2231 Hwy 152 E China Grove NC **Zip:** 28023
Applicant Email: gabeb@teambellalago.com **Phone:** 704-506-0556 **Alt. Phone:** 704-202-1176
Owner Name: Southern Alliance LLC **Address:** 2231 Hwy 152 E. China Grove NC **Zip:** 28023
Owner Email: gabeb@teambellalago.com **Phone:** 704-506-0556 **Alt. Phone:** 704-202-1176

Property Information:

Street Address: 389 Stumpy Creek Rd, Mooresville
Subdivision Name: Crescent Land & Timber Corp. **Section/Phase:** 14 **Lot Number:** 125
Driving Directions: HWY 150 West, Rt on Perth Ch. Rd, Left on Liva Rd, Left on Stumpy Creek, Lot on Rt.

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

(X) New Single Family Residence
( ) New Multi-Family Residence
( ) Accessory Building
( ) Bedroom(s) Addition
( ) Repair to failing septic system ___ Tank ___ Drain lines Describe Problem:
Non-Residential Site Development: Type of Business:
Square Footage of Building: Max. Number of Employees: Max. Number of Seats/Beds/Other:

Maximum Number of Bedrooms: 4
Maximum Number of Occupants: 7
( ) Swimming Pool
( ) Other Addition/Structure:

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

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 (X) Conventional ( ) Innovative ( ) Modified Conventional ( ) Other:

Please answer the following to the best of your ability:
( ) Yes (X) No Does the site contain any jurisdictional wetlands?
( ) Yes (X) No Is any non-domestic sewage (i.e. industrial) to be generated?
( ) Yes (X) No Is the site subject to approval by any other public agency?

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

Signature: _____ 2/19/18
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

IREDELL COUNTY HEALTH DEPARTMENT *ENVIRONMENTAL HEALTH DIVISION*

RECEIVED JUN 13 2017

(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)

Paid $350.00

1. APPLICATION FOR: ___Improvement Permit ___Authorization To Construct ___ Existing System Inspection

****

2. Page 2: *Site Plan Worksheet* Form MUST Accompany This Application

#227853 Pd $500.00 10-13

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:

Adrian 704 202-5791

Rowland Dev. Corp. / CSbSC	2231 Hwy 152 E China Grove NC 28023		
Applicant Name	Mailing Address	Home Phone #	Alternate Phone #
Jay Kevin White	120 Barrister Bay Ln, Booresville NC 28117		
Owner Name	Mailing Address	Home Phone #	Alternate Phone #

4. Property Information:

389 Stumpy Creek Rd	CL&T	Section 1A / 125
Street Address	Subdivision Name	Section/Phase and Lot Number

Driving Directions: Hwy 150 W, TR on Perth, TL on Liva, TL on Stumpy Creek, ~~Rt~~ Lot on R

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 4
Maximum Number of Occupants 8
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: _____ 6-11-17

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

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, Gabe Barnhardt, am the legal owner(s) of the property located at 389 Stump Creek Rd Mooresville NC, identified as PIN (Parcel Identification Number) 4639506278, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) _____, _____, 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.

Signature of Owner(s) — Date: 2/19/18

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 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, Jay Kevin White, am the legal owner(s) of the property located at 389 Stumpy Creek Rd, Mooresville NC 28117, identified as PIN (Parcel Identification Number) 4639506278, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) Adrian Pruett, CSE SC, Kevin Kirkpatrick, Rowland Dept., 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.

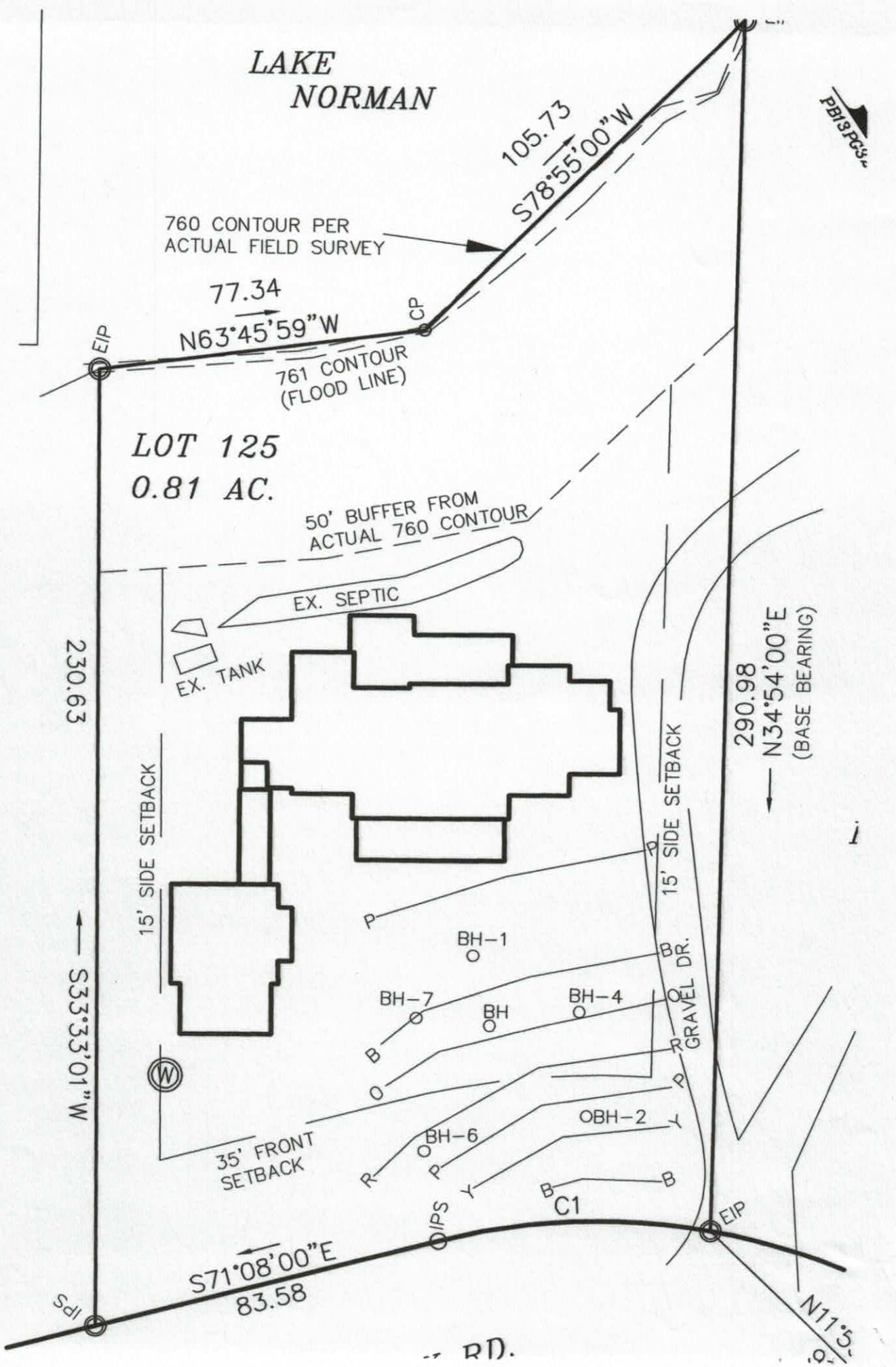
Jay Kevin White 6/19/17

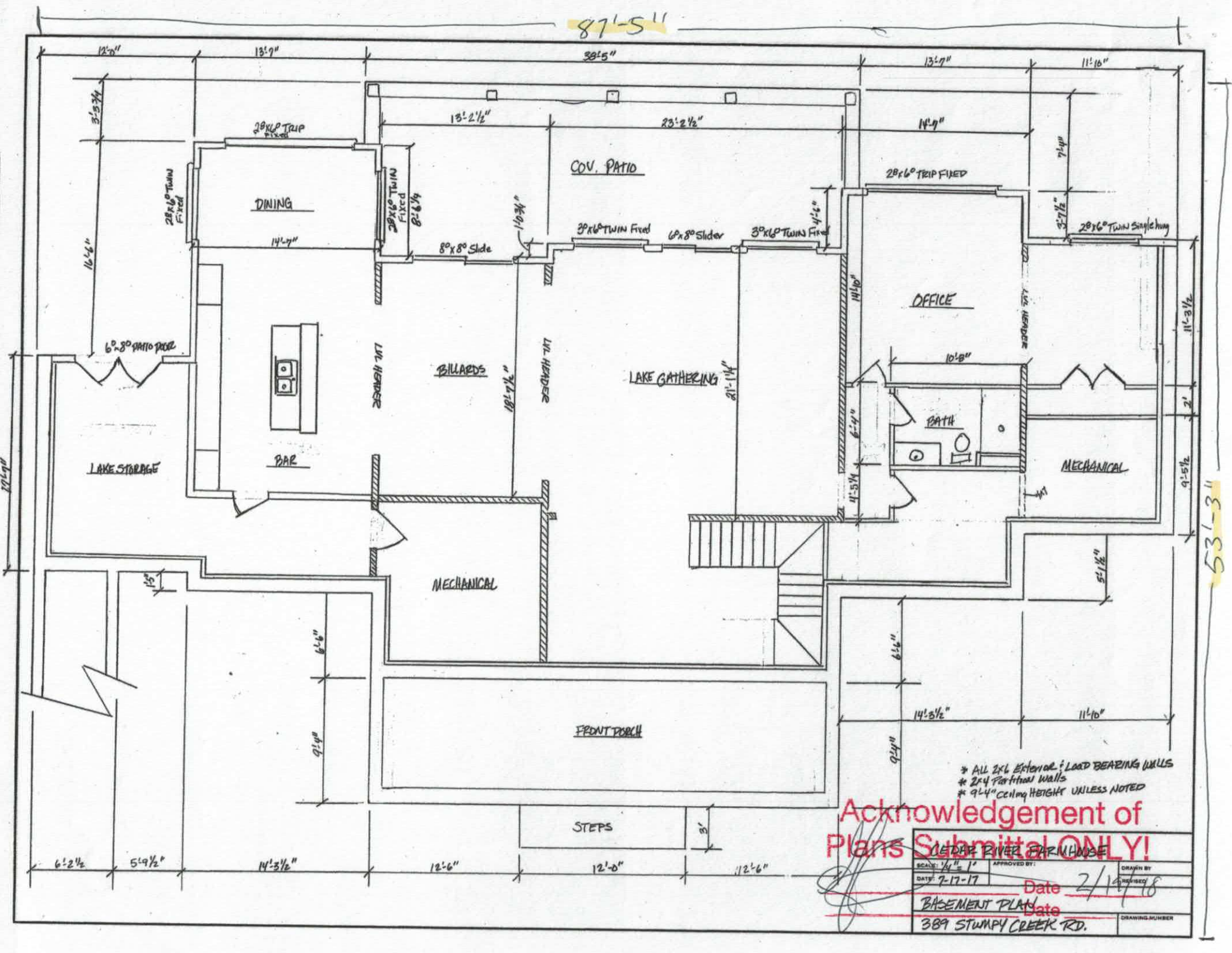
Signature of Owner(s) Date Signature of Witness Date

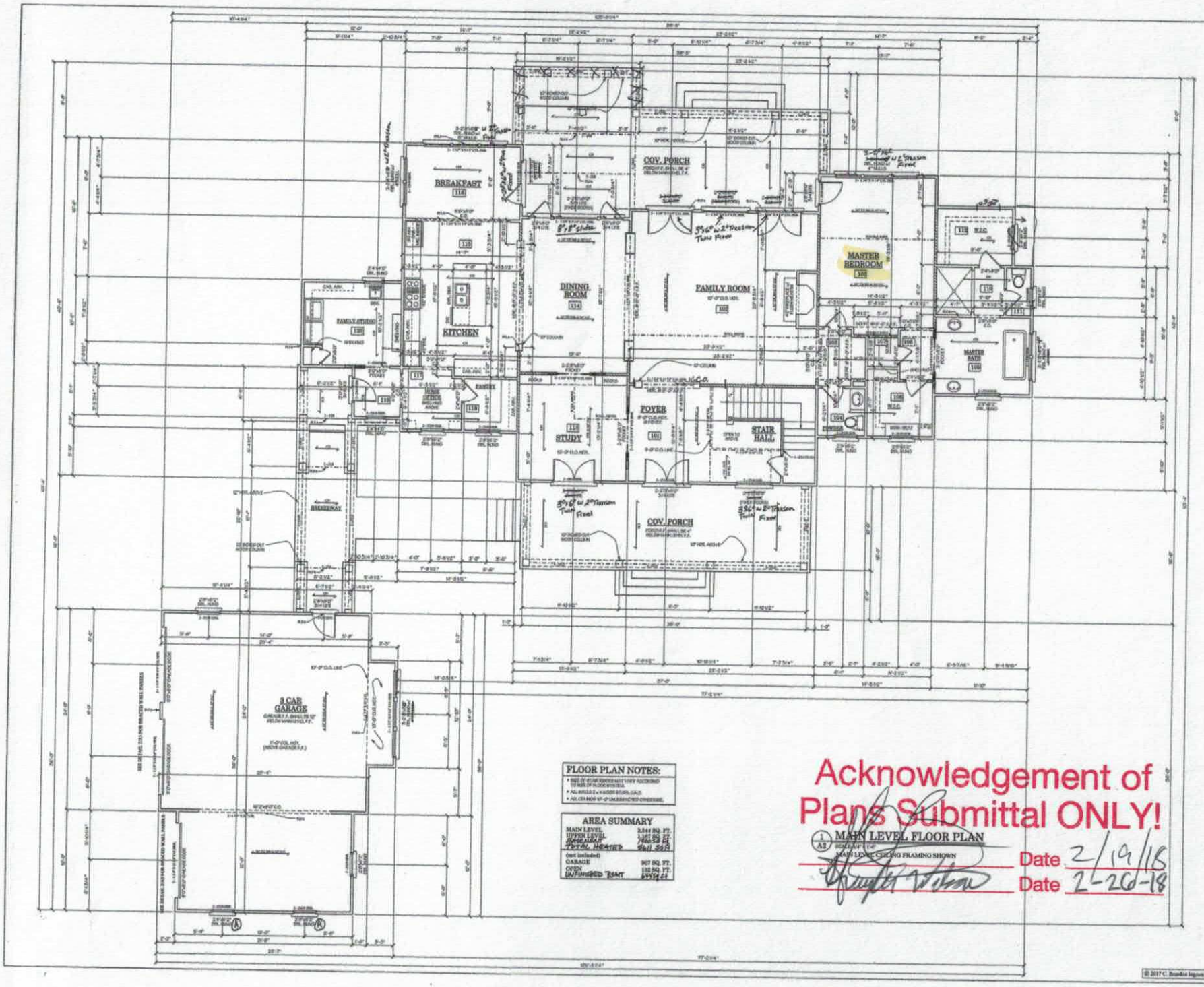
Please return this signed form to the appropriate office:

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


LAKE
NORMAN
105.73
S78°55'00"W
760 CONTOUR PER
ACTUAL FIELD SURVEY
77.34
N63°45'59"W
CP
EIP
761 CONTOUR
(FLOOD LINE)
LOT 125
0.81 AC.
50' BUFFER FROM
ACTUAL 760 CONTOUR
EX. SEPTIC
EX. TANK
230.63
S33°33'01"W
290.98
N34°54'00"E
(BASE BEARING)
15' SIDE SETBACK
15' SIDE SETBACK
BH-1
BH-7
BH
BH-4
BH-6
BH-2
GRAVEL DR.
35' FRONT
SETBACK
C1
IPS
EIP
S71°08'00"E
83.58
IPS


87'-5"
12'-0"
13'-7"
38'-5"
13'-7"
11'-10"
3'-3¼"
28"x6'0" TRIP FIXED
13'-2½"
23'-2½"
14'-7"
7'-4"
COV. PATIO
28"x6'0" TRIP FIXED
DINING
28"x6'0" TWIN Fixed
38"x6'0" TWIN Fixed
8'-6¼"
14'-7"
8'x8'0 Slide
14'-3¾"
30"x6'0 TWIN Fixed
6'x8'0 Slider
30"x6'0 TWIN Fixed
4'-1"
3'-7½"
28"x6'0" TWIN Single Hung
16'-6"
14'-10"
OFFICE
LVL HEADER
11'-3½"
6'0"x8'0" PATIO DOOR
LVL HEADER
BILLARDS
LVL HEADER
18'-4¾"
LAKE GATHERING
21'-1¼"
10'-8"
BATH
6'-4"
4'-5¼"
MECHANICAL
9'-5½"
LAKE STORAGE
BAR
MECHANICAL
5'-8½"
1'-3"
6'-1"
9'-6"
FRONT PORCH
14'-3½"
11'-10"
9'-4"
STEPS
3'
6'-2½"
5'-9½"
14'-3½"
12'-6"
12'-0"
12'-6"
53'-3"
* ALL 2x6 Exterior & LOAD BEARING WALLS
* 2x4 Partition Walls
* 9'4" Ceiling HEIGHT UNLESS NOTED
Acknowledgement of
Plans Submittal ONLY!
CEDAR RIVER FARMHOUSE
SCALE: ¼" = 1'
APPROVED BY:
DRAWN BY
DATE: 2-17-17
REVISED
Date 2/14/18
BASEMENT PLAN
Date
389 STUMPY CREEK RD.
DRAWING NUMBER



FLOOR PLAN NOTES:

- SEE SHEET A1 FOR ADDITIONAL NOTES VERY APPLICABLE TO SIZE OF FLOOR SYSTEMS.
- ALL BEAMS 2 x 6 UNLESS OTHERWISE NOTED.
- ALL CEILINGS 10'-0" UNLESS NOTED OTHERWISE.

AREA SUMMARY

MAIN LEVEL	3,344 SQ. FT.
UPPER LEVEL	1,167 SQ. FT.
GARAGE(S)	1,460 SQ. FT.
TOTAL HEATED	4,511 SQ. FT.
(not included)	
GARAGE	907 SQ. FT.
OPEN (UNFINISHED) PORCH	332 SQ. FT.
	1,239 SQ. FT.

Acknowledgement of Plans Submittal ONLY!

1/A2 MAIN LEVEL FLOOR PLAN
MAIN LEVEL CEILING FRAMING SHOWN

Date 2/19/18

Date 2-20-18

C. Brandon Ingram DESIGNS

CEDAR RIVER FARMHOUSE

03/10/2017

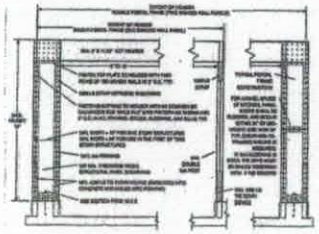
DRAWN/CHECKED
CBI

PROJECT/JOB NO.
1954

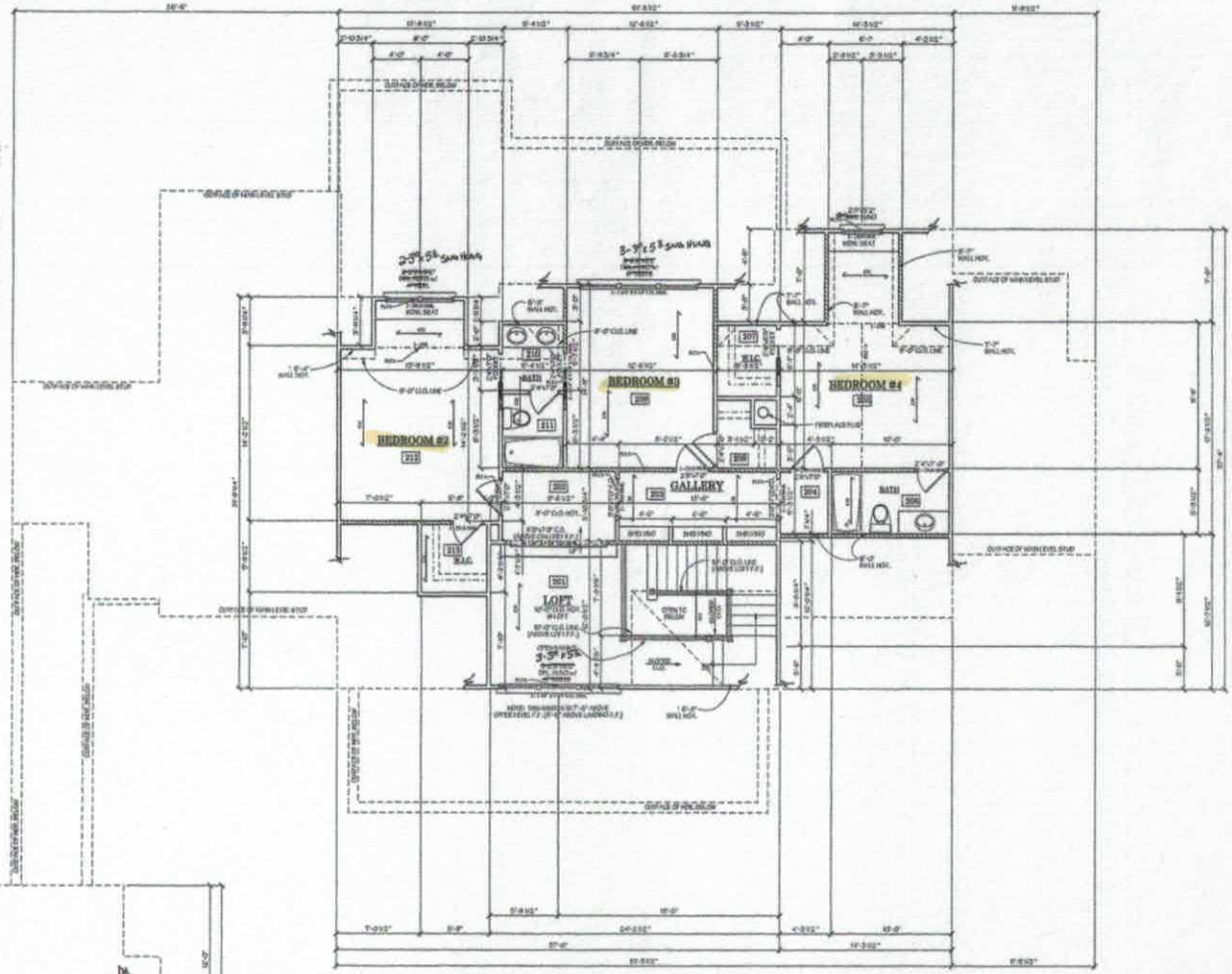
DRAWING
MAIN LEVEL

SHEET
A2 OF 11

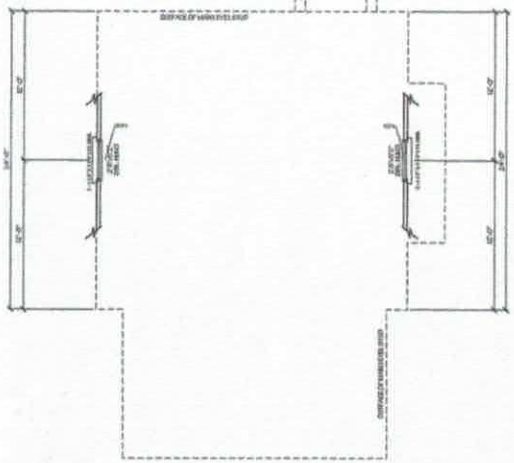
© 2017 C. Brandon Ingram Design



2 / A3 BRACED WALL PANEL
@ GARAGE DOOR



2 / A3 BRACED WALL PANEL
@ GARAGE DOOR



FLOOR PLAN NOTES:
•
•
•

AREA SUMMARY	
MAIN LEVEL	2,344 SQ. FT.
UPPER LEVEL	1,167 SQ. FT.
SCREENED PORCH	144.50 SQ. FT.
TOTAL HEATED	3,511 SQ.FT.
(not included)	
GARAGE	807 SQ. FT.
OPEN	120 SQ. FT.
BALCONY SHED ROOF	64 SQ FT

Acknowledgement of Plans Submittal ONLY!

Date 2/19/18

Date 2-26-18

1 / A3 UPPER LEVEL FLOOR PLAN
SCALE: 1/4" = 1'-0"
UPPER LEVEL CEILING FRAMING SHOWN

C. BRANDON INGRAM DESIGN
www.cbrandoningram.com
ph: 404-245-9246

GENERAL NOTES:
1. Contractor must verify ALL DIMENSIONS prior to proceeding with construction.
2. Contractor must verify construction with ALL LOCAL BUILDING CODES AND REGULATIONS prior to construction.
3. Plans indicate locations only of plumbing, mech, electrical, sound etc. and must be verified by a licensed engineer, as if applied.
4. Designer does not make any "wall failure" and/or "roof failure" guarantees.
5. Designer assumes no liability in connection with the plans and any construction deficiencies, misinterpretation of construction drawings, improper workmanship by owner and builders of designer's complete building system.

CEDAR RIVER FARMHOUSE

03 / 10 / 2017	REVISIONS
DRAWN/CHECKED: CBI	
PROJECT ITEM NO.: 1954	
DRAWING: UPPER LEVEL	
SHEET: A3 OF 11	

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IREDELL COUNTY

FILE COPY

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

APPLICATION NUMBER
227853
Issue Date: 06/09/2017

ZONING PERMIT

Open Space

Parcel Number	Street Address	Jurisdiction
4639506278.000	389 STUMPY CREEK ROAD, MOORESVILLE, NC	IREDELL COUNTY

Owner Information	Applicant Information
Owner: WHITE JAY KEVIN ETAL	Applicant: CAROLINA SOIL SEPTIC C
Address: 120 BARRISTER BAY LANE MOORESVILLE, NC 28117	Address: 162 WEST B ST KANNAPOLIS, NC 28081
Phone:	Phone: 704-202-5791

Use Requested	Zone Code
SFD	RR

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
.810	35.00	50.00	15.00	15.00	CACL	AE

Remarks:

86309

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.

ee Attach

Applicant: _____ Date: _____

Permit Number	105555	TOTAL FEES:	$ 77.25