IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 216073

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

PIN # 4624-97-2866

APPLICANT: Benjamin Baker APPLICANT ADDRESS: 387 Yacht Road Mooresville, NC 28117

SITE ADDRESS: 106 Pelican Court Mooresville, NC 28117 PHONE: 704-658-5547 ALT. PHONE: —

SITE DIRECTIONS: BSR towards Lake Norman → Left on Yacht Rd → Left on Pelican Ct → site on Right

SUBDIVISION: Williams SECTION: — LOT # 15 LOT AREA: 0.78 acres DESIGN FLOW: 480 gal/day L.T.A.R.: 0.30

Septic Tank	1000	(gal)	STB	2071-1060	Date	—			
Pump Tank	1000	(gal)	PT	2077-1060	Date	—			
Pump Make	Liberty	Model	280-2		Serial #	—			
# Nitrification Fields	1	# Lines	4		Linear Ft:	268'			
Trench Width	24"	Max. Trench Bottom Depth	35" (low side)		Gravel Depth	—			

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

System Description: LP-PPBPS (50% Reduction)

Repair System Description: LP-PPBPS (50% Reduction)

Maintenance Agreement Required: ☒ YES ☐ NO

☐ GRAVITY ☒ PRESSURE

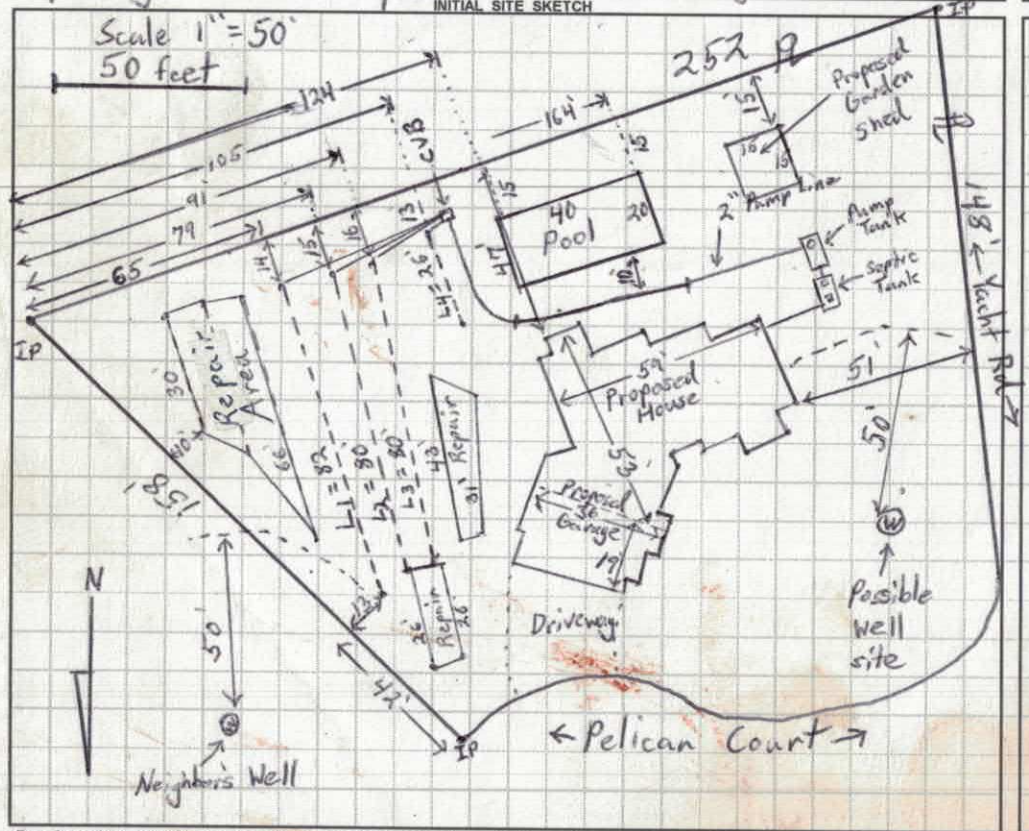
☒ Residence No. Bedrooms 4 | ☐ Business No. Persons 8 | ☐ Other No. Employees — | ☐ Slab ☒ Crawl Space | ☐ Basement w/plumbing ☐ Basement w/o plumbing

Water Supply: ☒ Private ☐ Public ☐ Community

Comments / Conditions: Follow all N.C. septic rules. 61 panels utilizing 5/32" orifice holes along LP trench. Strongly recommend sleeving pump line inside SCH-80 or equivalent pipe between pool + house (probably under future patio area). Dose system @ 175 gallons per singk event.

9/1/17 Checked pressure, elect. & alarm

INITIAL SITE SKETCH



AS BUILT SKETCH

7/6/2017

L1 = 82' installed on contour,

L2 = 80' 2' pressure head checked,

L3 = 80'

L4 = 26' installed as drawn.

Polylok filter on septic tank present.

- Alarm needs to be checked.
- Pump filter required.

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: BOR Date: 4/15/16 Installed by: Tim Ammons

IMPROVEMENT PERMIT by: Thomas Shuck Date: 4-5-2016 OPERATION PERMIT by: Maina Dotson Date: 9/5/17

AUTHORIZATION TO CONSTRUCT by: Thomas Shuck Date: 4-5-2016 Existing System Inspected by: — Date: —

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

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: Benjamin Baker — APPLICATION DATE 1-11-16
ADDRESS: 387 Yacht Rd. Mooresville NC — DATE EVALUATED: 3-10-16
PROPOSED FACILITY: 4 BR House — PROPOSED DESIGN FLOW (.1949): 480 gal/day — PROPERTY SIZE: ≈ 0.78 ac
LOCATION OF SITE: 387 Yacht Rd. Mooresville, NC — PROPERTY RECORDED: Yes

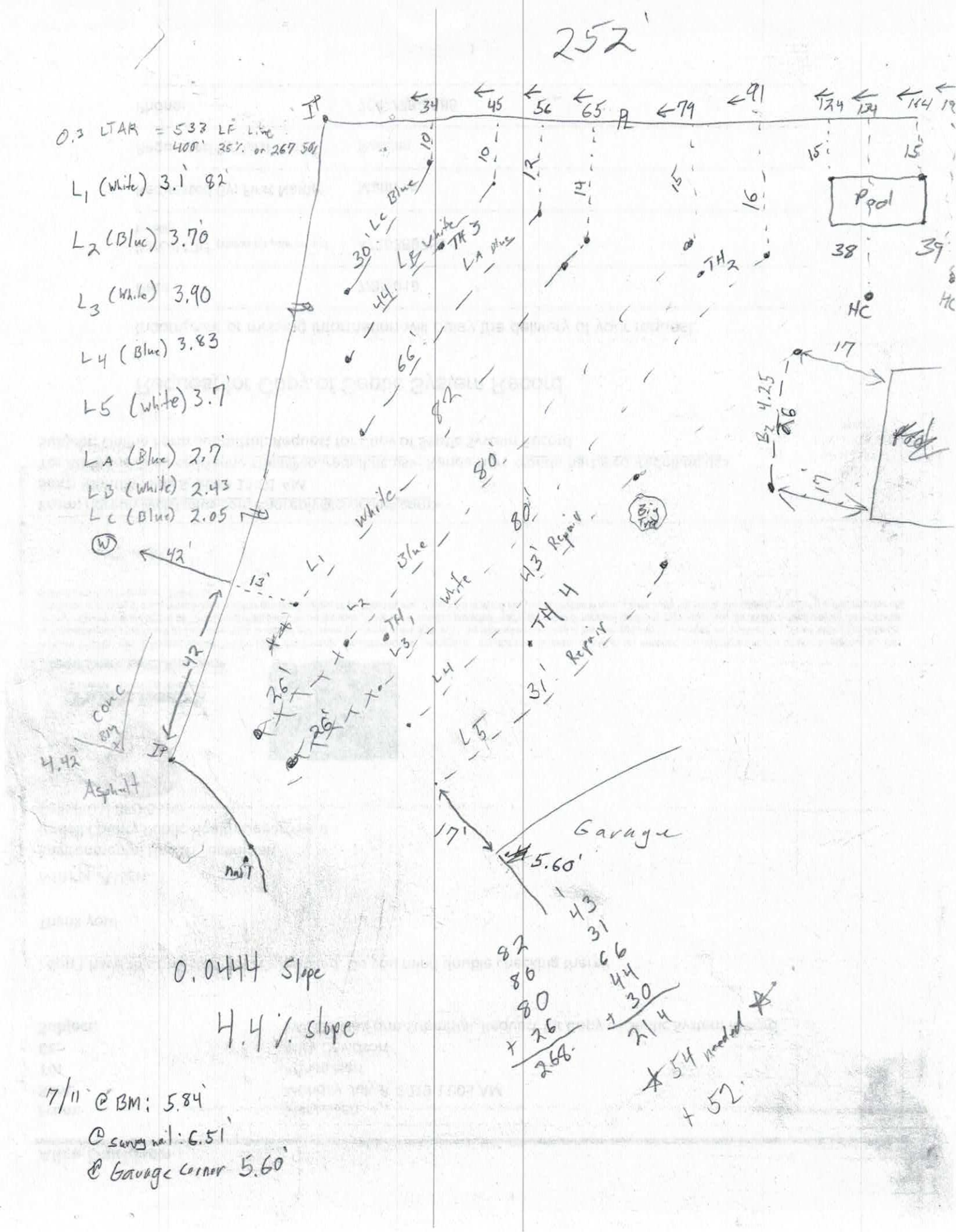
WATER SUPPLY: ☒ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____

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	4% side slope; Beginning of B+W	0-8	Clay Loam weak SBK	Slightly Friable SS Sp, Sap	/	48"	—	—	0.3 PS
		8-28	Clay weak ABK	Slightly F, Vm, SS, Sp, Sap					
		28-48	Clay Loam medium SBK	Friable, SS, Sp, Sap					
			w/SAP inclusions (same → many) from 38" → 48".						
2	4% Distal B+W	0-7	Clay Loam weak SBK	Slightly Friable, SS, Sp, Sap	—	48"	—	—	0.325 PS
		7-30	Clay weak ABK	Firm Slightly SS, Sp, Sap					
		30-48	Clay Loam weak SBK	Friable, SS, SP, Sap					
			Abundant → numerous 38" → 48"	SAP inclusions					
3	4% Water Repair 30' Line Blue	0-6"	Clay Loam weak SBK	Slightly Fr. able, SS, Sp Sap	—	48	—	—	0.3 PS
		6-26	Clay weak ABK	Slightly Firm, SS, Sp, Sap					
		26-48	Clay Loam weak SBK	Slightly Friable SS, Sp Sap					
			Abundant SAP inclusions		26-48"				
4	4% Repair Adjacent Garage	0-10	Clay Loam weak SBK	Slightly Friable, SS, Sp, Sap	—	46	—	—	0.3 PS
		11-38	Clay Weak SBK	Slightly SS, Sp, Sap Firm,					
		38-48	Clay Loam weak SBK	Somewhat Friable, SS, Sp Sap					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	600/1268	268
System Type(s)	LPP BPS	LPP BPS

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


252'
0.3 LTAR = 533 LF Line
400' 25% or 267 SF
L1 (White) 3.1' 82'
L2 (Blue) 3.70'
L3 (White) 3.90
L4 (Blue) 3.83
L5 (White) 3.7'
LA (Blue) 2.7'
LB (White) 2.43
LC (Blue) 2.05
IP
PL
Pool
HC
TH 1
TH 2
TH 3
TH 4
Garage
Asphalt
Conc
Bldg
Mail
43' Repair
31' Repair
5.60'
4.42'
0.0444 Slope
4.4% slope
7/11 @ BM: 5.84'
@ survey nail: 6.51'
@ Garage corner 5.60'
82
80
80
+ 26
266
43
31
66
44
+ 30
214
54 needed
+ 52

ON-SITE WASTEWATER SECTION

PROPERTY ID #: _____
COUNTY: _____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Lawrence Vitez APPLICATION DATE _____
ADDRESS: _____ DATE EVALUATED: 9/24/03
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
LOCATION OF SITE: _____ PROPERTY RECORDED: _____
WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LAND-SCAPE POSITION/ SLOPE %	HORI-ZON 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		0-4"	Bw SCL						PS .3
		4-32"	Bt/Bw C/Cl	m-wSBK SS, SP, SE, Fi-FR w/ Few Mica Flakes					
		32-48	Bt/Bw C/Cl	m-wSBK SS, SP, SE, FR w/ Common Mica Flakes & few SAP Inclus					
2		0-12"	Bw SCL	GR FR					PS .3
		12-48"	Bt/Bw C/Cl	m-wSBK SS, SP, SE, Fi-FR w/ few SAP Inclus					
3									
4									

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

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

COMMENTS: _____

Revisit fee

RECEIVED JAN 19 2016

#216073
21160'15
120770

IREDELL COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
PAGE 1: *APPLICATION FORM* Paid $500.00 Pd $700 + 100.00 1-15-16

Application For:

(X) Septic Improvement Permit (X) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
(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:
Place an (X) beside whichever is submitted if applicable

( ) Survey Plat, scaled no more than 1 inch = 60 feet
(X) Custom Site Plan, scaled no more than 1 inch = 60 feet

Applicant Information:

Applicant Name: Benjamin Baker Address: 387 Yacht Rd Mooresville Phone: 704 658 5577

Owner Name: Benjamin Baker Address: 387 Yacht Rd Mooresville Phone: 11

Property Information:

Street Address: 106 Pelican Court Mooresville NC 28117

Subdivision Name: Williams Section/Phase: _____ Lot Number: 15

Driving Directions: From Brawley School, Make left on Yacht Rd. Proceed .8 miles and pelican ct is on your left.

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

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

Maximum Number of Bedrooms: 4
Maximum Number of Occupants: 2
( ) Swimming Pool
( ) Other Addition/Structure: _____

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

Non-Residential Site Development:
Type of Business: _____
Square Footage of Building: _____
Maximum Number of Employee: _____
Maximum Number of Seats/Beds/Other: _____

Water Supply:

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

Desired Septic System Type: *(you may rank in order of preference)*

Year existing system installed: New

( ) 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.

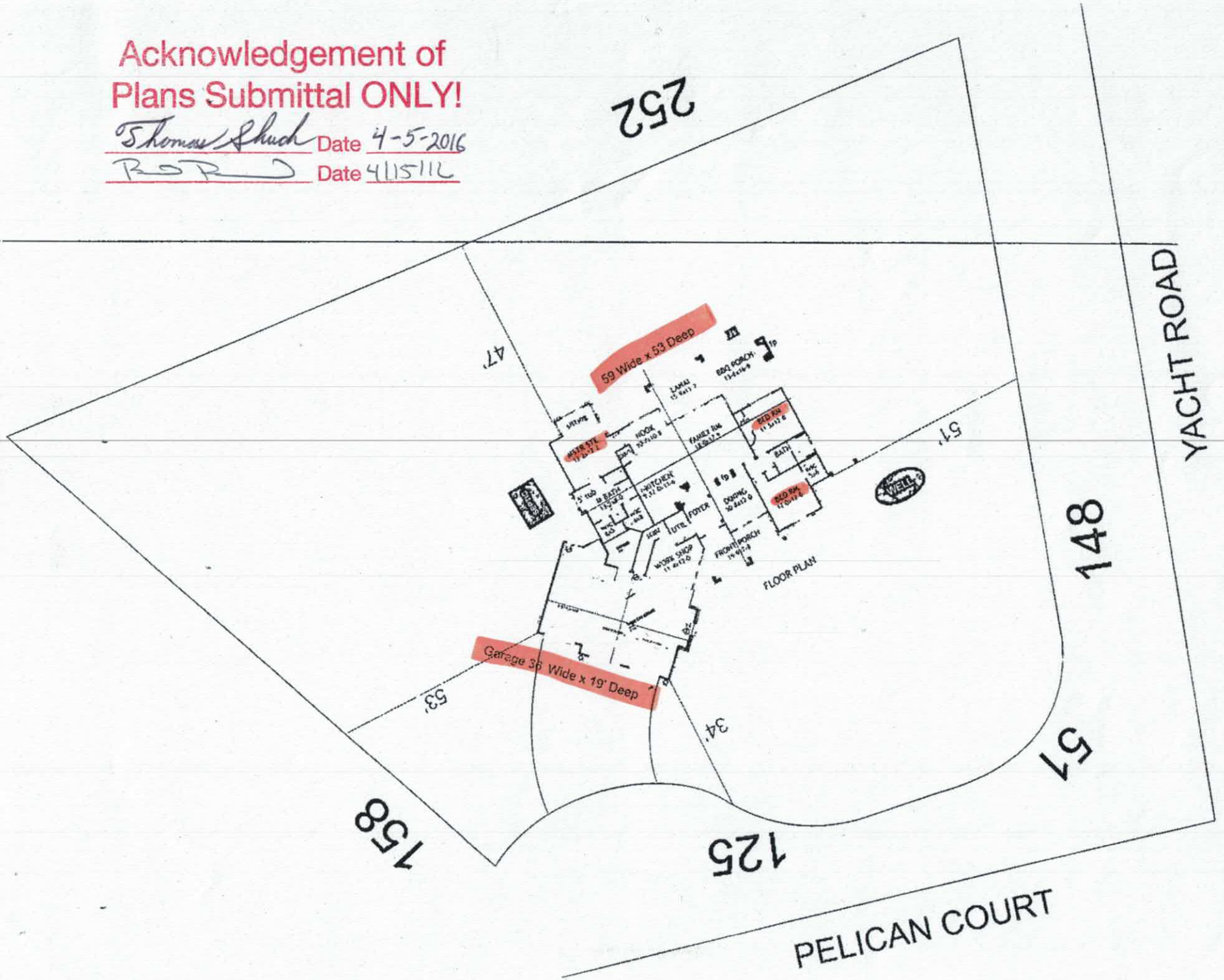
Signature: _____
Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

1/11/16
DATE

Acknowledgement of
Plans Submittal ONLY!

Thomas Shuck Date 4-5-2016

ROR Date 4/15/16



IREDELL COUNTY

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

APPLICATION NUMBER
216073
Issue Date: 01/19/2016

ZONING PERMIT

Open Space

Parcel Number	Street Address	Jurisdiction
4624972866.000	106 PELICAN COURT, MOORESVILLE, NC	IREDELL COUNTY

Owner Information	Applicant Information
Owner: BAKER BENJAMIN	Applicant: BAKER, BENJAMIN
Address: 387 YACHT ROAD MOORESVILLE, NC 28117	Address: 387 YACHT ROAD MOORESVILLE, NC 28117
Phone:	Phone: 704-658-5577

Use Requested	Zone Code
SFD	RR

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
.710	35.00	35.00	15.00	25.00	CACL	X

Remarks:

$ PAID

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.

See Attached

Applicant: _____ Date: _____

Permit Number	58296	TOTAL FEES:	$ 77.25