IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 178337

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

PIN # 4625-90-1535 (SFE) 4625-90-2483

APPLICANT: Michael Athanas/Whitley Const APPLICANT ADDRESS: 1999 Candlewick Dr.

SITE ADDRESS: 127 Yacht Cove Ln - Mrsvl. PHONE: 704-576-3887 ALT. PHONE:

SITE DIRECTIONS: BSR, TL Yacht, TL Yacht Cove, on L

SUBDIVISION: Yacht Cove SECTION: LOT # 21 LOT AREA: .5+SFE DESIGN FLOW: 480 L.T.A.R.: .3

Septic Tank	1000 (gal)	STB	794	Date	6-25-16	☒ New System	☐ Repair	☐ Expansion	System Type: I II III (IV) V VI
Pump Tank	1000 (gal)	PT	2	Date	7-13-16	System Description:	LP Panel Block		
Pump Make	Goulds	Model	WE0712HU	Serial #	16340C	Repair System Description:	SAME		
# Nitrification Fields	1	# Lines	3	Linear Ft:	270'	Maintenance Agreement Required:	☒ YES	☐ NO	
Trench Width	24"	Max. Trench Bottom Depth	36"	Gravel Depth			☐ GRAVITY	☒ PRESSURE	

☒ Residence	No. Bedrooms	4	Water Supply
☐ Business	No. Persons		☐ Private
☐ Other	No. Employees		☐ Public
☐ Slab	☒ Crawl Space		☒ Community
☐ Basement w/plumbing	☐ Basement w/o plumbing		

Comments / Conditions: 6/17/15 Reviewed Floor plans, In Compliance with Septic plan 70-75ft from tanks to well Tanks are 50ft from lake & 5ft from House foundation 8/24/16. MD

INSTALLED 3@90'
CHECKED LINES & CUB 7-29-15
2/29/16 See revised tank location on Site plan. Must keep tanks at least 50ft from well

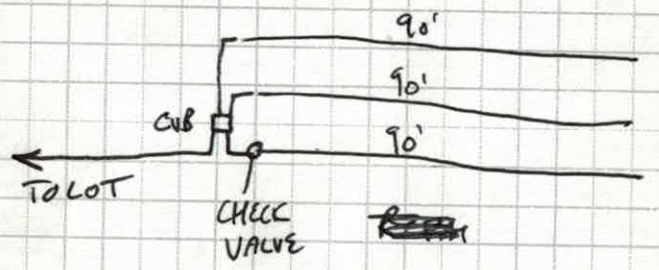
INITIAL SITE SKETCH

SEE PLAN FROM MICHAEL ATHANAS & ASSOCIATES APPROVED BY ICHD

Pump Model WE0712HU

AS BUILT SKETCH

RETAIN



Off site septic on COS lot PIN #4625-90-2483

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**

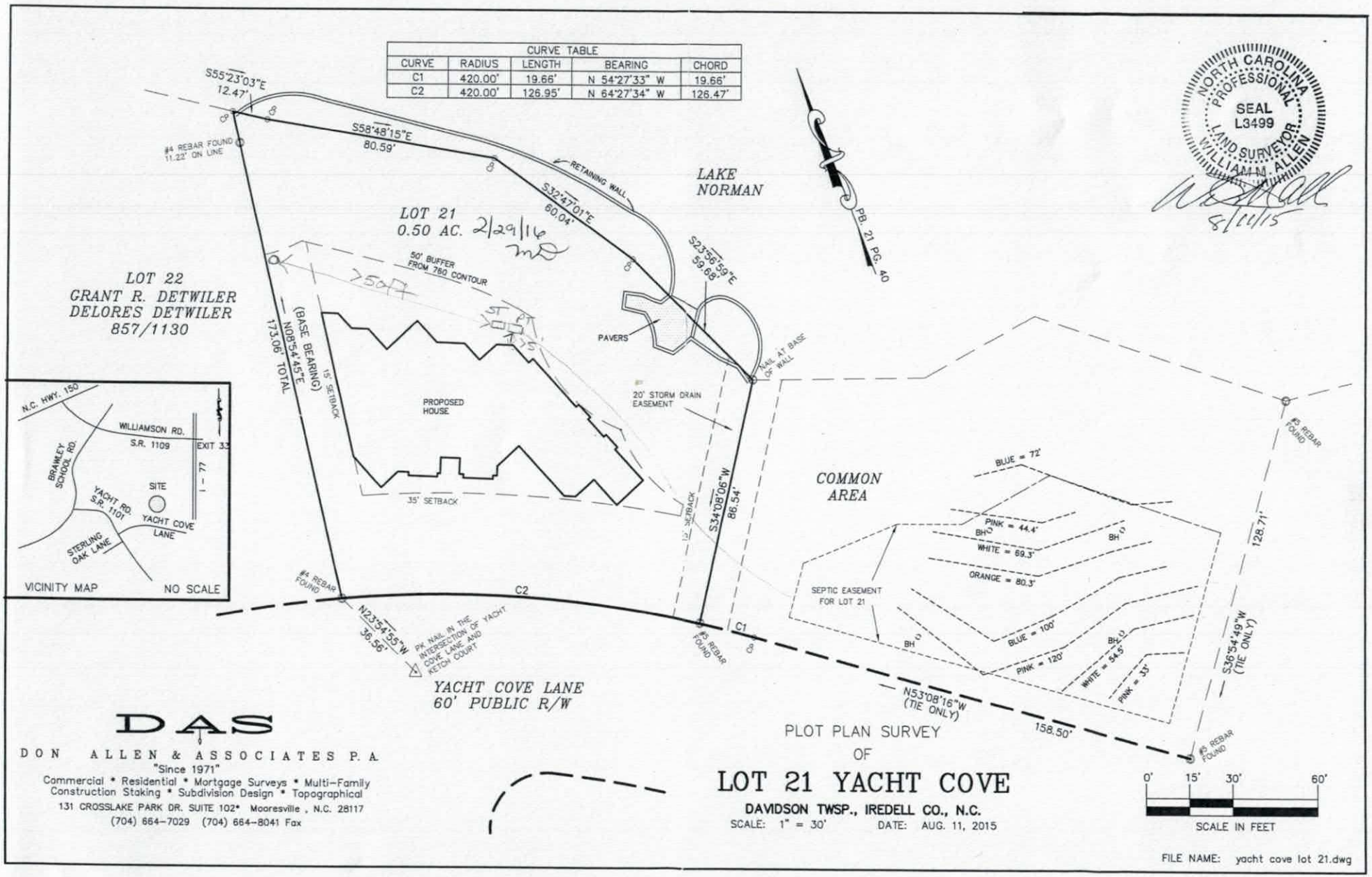
☒ **IMPROVEMENT PERMIT** *with plat* valid without expiration. ☐ **IMPROVEMENT PERMIT** *with site plan* valid for 60 mos. ☐ **AUTHORIZATION TO CONSTRUCT** valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.

Owner / Applicant Signature: Sheryl Francis Date: 4/29/13 Installed by: Hallmark

IMPROVEMENT PERMIT by: [illegible] Date: 4-25-13 OPERATION PERMIT by: Marian Dotson RS Date: 10/13/16

AUTHORIZATION TO CONSTRUCT by: Marian Dotson RS Date: 6/17/15 Existing System Inspected by: Date:

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


CURVE TABLE
CURVE | RADIUS | LENGTH | BEARING | CHORD
C1 | 420.00' | 19.66' | N 54°27'33" W | 19.66'
C2 | 420.00' | 126.95' | N 64°27'34" W | 126.47'
S55°23'03"E 12.47'
#4 REBAR FOUND 11.22' ON LINE
S58°48'15"E 80.59'
RETAINING WALL
S32°47'01"E 60.04'
LAKE NORMAN
PB. 21 PG. 40
LOT 21
0.50 AC. 2/29/16
50' BUFFER FROM 760 CONTOUR
S23°36'59"E 59.68'
LOT 22
GRANT R. DETWILER
DELORES DETWILER
857/1130
(BASE BEARING) N08°54'45"E 173.08' TOTAL
15' SETBACK
PAVERS
NAIL AT BASE OF WALL
PROPOSED HOUSE
20' STORM DRAIN EASEMENT
35' SETBACK
12' SETBACK
S34°08'06"W 86.54'
COMMON AREA
BLUE = 72'
PINK = 44.4'
WHITE = 69.3'
ORANGE = 80.3'
BLUE = 100'
PINK = 120'
WHITE = 54.5'
PINK = 33'
SEPTIC EASEMENT FOR LOT 21
#5 REBAR FOUND
128.71'
S36°54'49"W (TIE ONLY)
158.50'
N53°08'16"W (TIE ONLY)
C2
C1
#4 REBAR FOUND
N23°54'55"W 36.56'
PK NAIL IN THE INTERSECTION OF YACHT COVE LANE AND KETON COURT
YACHT COVE LANE
60' PUBLIC R/W
N.C. HWY. 150
WILLIAMSON RD. S.R. 1109
EXIT 33
I - 77
BRAWLEY SCHOOL RD.
SITE
YACHT RD. S.R. 1101
YACHT COVE LANE
STERLING OAK LANE
VICINITY MAP
NO SCALE
NORTH CAROLINA PROFESSIONAL SEAL L3499 LAND SURVEYOR WILLIAM M. ALLEN
8/11/15
DAS
DON ALLEN & ASSOCIATES P.A.
"Since 1971"
Commercial * Residential * Mortgage Surveys * Multi-Family
Construction Staking * Subdivision Design * Topographical
131 CROSSLAKE PARK DR. SUITE 102* Mooresville , N.C. 28117
(704) 664-7029 (704) 664-8041 Fax
PLOT PLAN SURVEY
OF
LOT 21 YACHT COVE
DAVIDSON TWSP., IREDELL CO., N.C.
SCALE: 1" = 30' DATE: AUG. 11, 2015
0' 15' 30' 60'
SCALE IN FEET
FILE NAME: yacht cove lot 21.dwg



MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
1999 CANDLEWICK DRIVE
FORT MILL, S.C. 29715
803-802-4403 (office)
803-802-4402 (fax)

Reference: Data Sheet for Lot 21 Yacht Cove, Iredell County, NC

House Footprint: Refer to Survey
Foundation: Crawl
Water Source: Community Water
Number of Bedrooms: ~~3/360~~gpd 4/480 gpd GM
Pre-determined LTAR: Initial 0.3 gpd/ft2, Repair 0.3 gpd/ft2
Suggested System Type: LP PPBPS, Repair LP PPBPS
Distribution: CVB
Pressure Head: 2'
Hole Size: 3/16
Number of Panels: 62
System Flow: 36.58gpm
Dosing Volume: 223gal
Pump Run Time: 6.10min
Pump Tank Drawdown 10.62"
Elevation Head: 9.0
Friction Head: 1.64
Total Dynamic Head: 15.17
Total Linear Footage: 270'
Supply Line Length: Approx. 80'
Proposed Trench Depth: 36"
Trench Width: 2' (8' Centers)
Septic/ Pump tank size: 1000gal

Line	Actual Length	Design Length	Elevation
Pink 1	33'		3.1
White 2	54'		3.6
Pink 3	**145'**	**90'**	**3.8**
Blue 4	**100'**	**100'**	**4.4**
Orange 5	**81'**	**80'**	**5.0**
White 6	80'		5.9
Pink 7	35'		6.3
Blue 8	30'		7.2
Blue 9	38'		3.9

Initial System: 270' of PPBPS, P3-O5
Septic/Pump Tank: 5.8 / 1000gal

Repair System: 320', P1-P3 (50' of P3), W6-B9
Benchmark: 2.3, Refer to map for location

House Corner: 5.7

Comments: Currently this lot has an expired permit. MA&A has re-evaluated the site; we are proposing a low pressure panel block system on 8' centers. Please note the septic easement for this lot was previously recorded and MA&A had to design the septic system within the septic easement. Also the house box is a proposed house location and we are sure that will change once the lot is sold. If there are any questions, please feel free to call.

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

Sheet 1 of 1
PROPERTY ID #:
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Ken Kuntz APPLICATION DATE: 4-15-13
ADDRESS: DATE EVALUATED: 4-8-13
PROPOSED FACILITY: 3 bedroom PROPOSED DESIGN FLOW (.1949): 360gpd PROPERTY SIZE: .ac
LOCATION OF SITE: Yacht Cove Rd. PROPERTY RECORDED:
WATER SUPPLY: ☐ Private * Public Well ☐ Spring ☐ Other
EVALUATION METHOD: * Auger Boring Pit ☐ Cut TYPE OF WASTEWATER: * Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		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 2-4%	0-3	Br. SCL WSBK	FR SS/SP SEXP	F-C SAP INCL	48"			PS .3
		3-34	R C SBK	FR SS/SP SEXP					
		34-48	R CL SBK	FR SS/SP SEXP					
2	LS 2-4%	0-3	Br. SCL WSBK	FR SS/SP SEXP	F-C SAP INCL	48"			PS .3
		3-30	R C SBK	FR SS/SP SEXP					
		30-48	R CL WSBK	FR SS/SP SEXP					
3	LS 3-4%	0-3	Br. SCL WSBK	FR SS/SP SEXP	F SAP INCL F-C SAP INCL	48"			PS .3
		3-32	R C SBK	FR SS/SP SEXP					
		32-48	R CL WSBK	FR SS/SP SEXP					
4	LS 2-4%	0-4	Br. SCL WSBK	FR SS/SP SEXP		48"			PS .3
		4-48	R C SBK	FR SS/SP SEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	540 FT2	620 FT2
System Type(s)	LP PPBPS	LP PPBPS
Site LTAR	.3	.3

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

COMMENTS:

RECEIVED JUN 9 2015

IREDELL COUNTY HEALTH DEPARTMENT

ENVIRONMENTAL HEALTH DIVISION

PAGE 1: *APPLICATION FORM*

Application For: (✓) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
( ) Septic Improvement Permit (✓) Authorization to Construct ( ) Existing System Inspection ( ) Septic System Repair

THE ABOVE PERMIT DOCUMENTS WILL BECOME INVALID IF INFORMATION PROVIDED ON THIS APPLICATION IS FALSIFIED OR CHANGED, OR IF THE SITE IS ALTERED. THE IMPROVEMENT PERMIT IS VALID FOR EITHER 60 MONTHS OR WITHOUT EXPIRATION DEPENDING UPON DOCUMENTATION SUBMITTED APPLICATION WITH SITE PLAN 60 MONTHS, APPLICATION WITH COMPLETE, SCALED PLAT WITHOUT EXPIRATION. SEE 15A NCAC 18A .1937(f) FOR DETAILS.

Page 2: *Site Plan Worksheet* form MUST accompany this application

The following optional attachments may also be submitted: ( ) Survey Plat, scaled no more than 1 inch = 60 feet
Place an (X) beside whichever is submitted if applicable ( ) Custom Site Plan, scaled no more than 1 inch = 60 feet

Applicant Information:

Applicant Name: Whitley Construction **Address:** 127 Hunters Pointe **Phone:** 704 658-9257

Owner Name: Schiefen **Address:** 127 Yacht Cove Ln **Phone:** 704 658-9237

Property Information:

Street Address: Yacht Cove Ln

Subdivision Name: Yacht Cove **Section/Phase:** _____ **Lot Number:** 21

Driving Directions: Beaumley School Left on Yacht Rd.

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

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

Maximum Number of Bedrooms: 4
Maximum Number of Occupants: 10
( ) Swimming Pool
( ) Other Addition/Structure: _____

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

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

Water Supply:

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

Desired Septic System Type: ***(you may rank in order of preference)*** **Year existing system installed:** _____
( ) No Preference ( ) Alternative (✓) Conventional ( ) Innovative ( ) Modified Conventional ( ) Other: _____

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

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

Signature: _____ 6/9/15
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) **DATE**

110'6"W X 53'8"D

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

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

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

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, CHUCK SCHIEFEN, am the legal owner(s) of the property located at 127 YACHT COVE LN, identified as PIN (Parcel Identification Number) 4625-90-1535, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) WILLIAM WHITLEY, WHITLEY CONSTRUCTION LLC, 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.

Chuck Schiefen 10/9/15 Jennifer L. Whitley 10-9-2015

Signature of Owner(s) Date Signature of Witness Date

Please return this signed form to the appropriate office:

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

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

IREDELL COUNTY HEALTH DEPARTMENT

04-23-13 pd $350.00 MS Fast track

Application For Improvement Permit and/or Authorization To Construct, Existing System Inspection

(THE ABOVE PERMIT DOCUMENTS WILL BECOME INVALID IF INFORMATION PROVIDED ON THIS APPLICATION IS FALSIFIED OR CHANGED, OR IF THE SITE IS ALTERED. THE IMPROVEMENT PERMIT IS VALID FOR EITHER 60 MONTHS OR WITHOUT EXPIRATION DEPENDING UPON DOCUMENTATION SUBMITTED - APPLICATION WITH SITE PLAN 60 MONTHS, APPLICATION WITH COMPLETE, SCALED PLAT WITHOUT EXPIRATION. SEE 15A NCAC 18A .1937(f) FOR DETAILS)

Paid $500.00 4-29-13

1. **APPLICATION FOR:** ___ Improvement Permit ___ Authorization To Construct ✓ BOTH ___ Existing System Inspection

2. **Page 2: *Site Plan Worksheet* Form MUST Accompany This Application**
   The following optional attachments may also be submitted: ___ Survey Plat, Scaled no more than 1 Inch = 60 Feet
   Place check ( ) beside whichever is submitted if applicable ___ Custom Site Plan, Scaled no more than 1 Inch = 60 Feet

3. **Applicant Information:**

M. Athanas	1999 Landmark Dr.		704-576-3887
Applicant Name	**Mailing Address**	**Home Phone**	**Work Phone**
Ken Kontz			
Owner Name	**Mailing Address**	**Home Phone**	**Work Phone**

4. **Property Information:**

127 Yacht Cove Ln.	Point / Yacht Cove	Lot 21
Street Address	**Subdivision Name**	**Section/Phase and Lot Number**

Driving Directions: Brawley → Lt Yacht Rd → Lt. on Yacht Cove Ln → Lot on Lt.

****

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

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
N/A

****

6. **Proposed Water Supply:**

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

****

7. **Desired Septic System Type:** ***(You may rank in order of preference, if any)***

( ) Alternative ( ) Conventional ( ) Innovative (✓) Modified Conventional ( ) Other_____ ( ) No Preference

****

8. **Please Answer The Following To The Best of Your Ability:**

( ) Yes (✓) No Does the site contain any jurisdictional wetlands?
( ) Yes (✓) No Is any non-domestic sewage (i.e. industry) to be generated?
( ) Yes (✓) No Is the site subject to approval by any other public agency?

****

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

9. **Signature:** M. A.

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

4-18-13
DATE

IREDELL COUNTY HEALTH DEPARTMENT

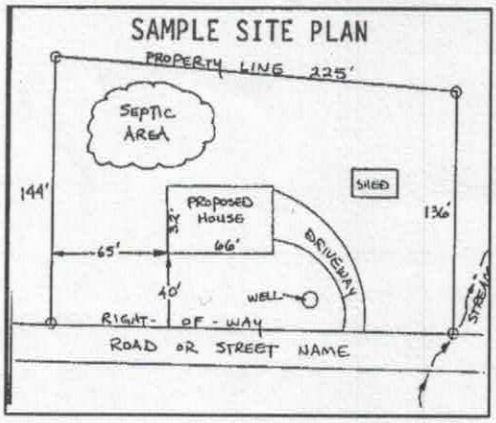
ENVIRONMENTAL HEALTH DIVISION

PAGE 2: *SITE PLAN WORKSHEET*

SEE THE "SAMPLE SITE PLAN" BELOW. *INCOMPLETE SITE PLANS WILL BE RETURNED TO YOU FOR COMPLETION AND MAY RESULT IN A DELAY IN THE ISSUANCE OF YOUR SEPTIC SYSTEM PERMIT!!!*

Place an (X) beside each item as you complete the site plan:

- **( ) Property Line measurements are clearly identified**
- **( ) All proposed structures are indicated**
- **( ) Front and side setbacks from property line**
- **( ) Preferred driveway location and well location**
- **( ) Area you prefer your septic system to be placed**
- **( ) North arrow, or other sufficient indicator of direction**



Circle N/A on the following if appropriate:

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

USE THIS SPACE TO DRAW YOUR SITE PLAN

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

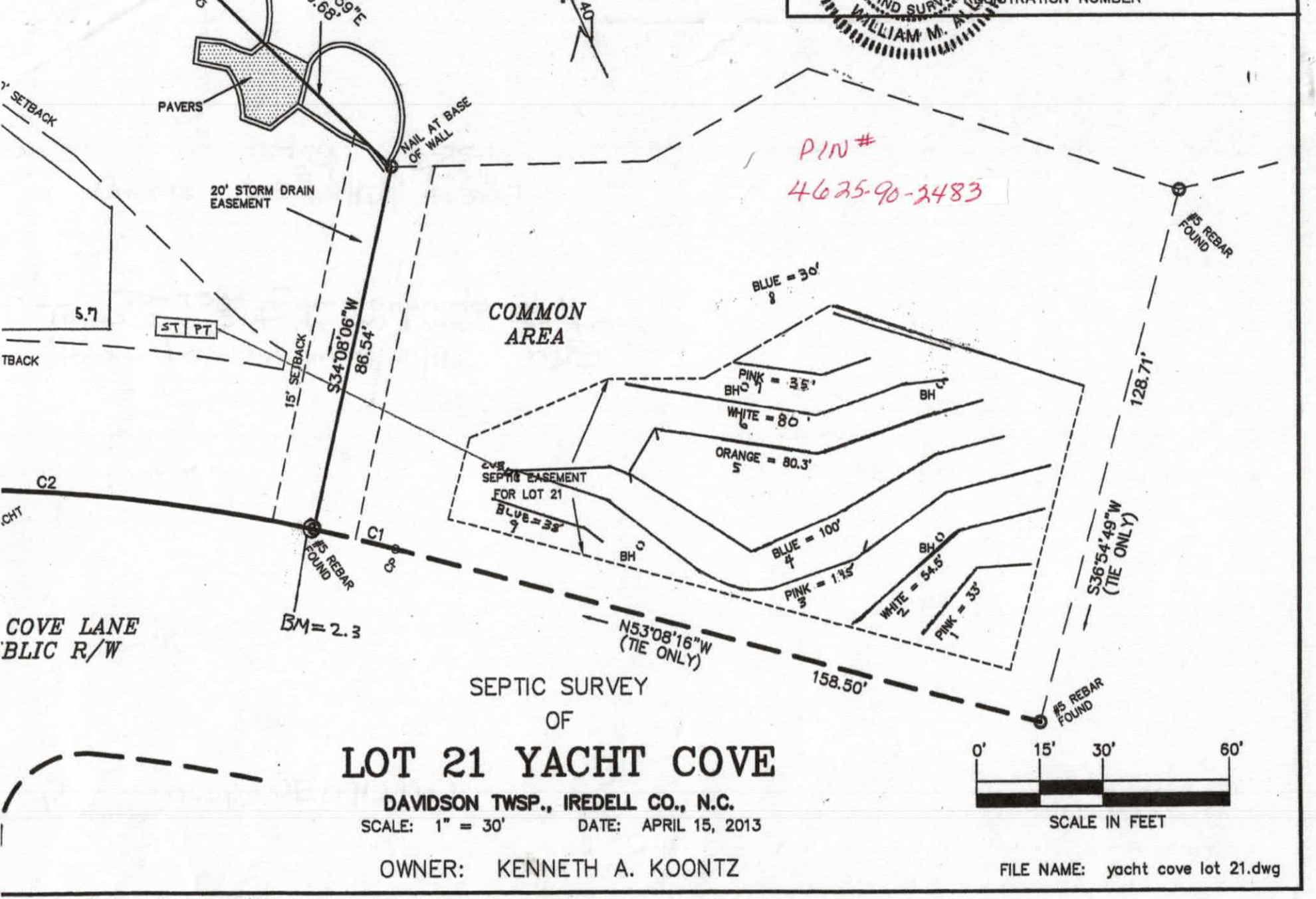
SEE ATTACHED

Signature: _____

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

6/9/15

DATE



PIN #
4625-90-2483

SEPTIC SURVEY
OF

LOT 21 YACHT COVE

DAVIDSON TWSP., IREDELL CO., N.C.

SCALE: 1" = 30' DATE: APRIL 15, 2013

OWNER: KENNETH A. KOONTZ

FILE NAME: yacht cove lot 21.dwg

CALL MIKE ABOUT EASEMENT

IREDELL COUNTY HEATLH DEPARTMENT

PAGE 2: *SITE PLAN WORKSHEET*

SEE THE SAMPLE SITE PLAN BELOW. INCOMPLETE SITE PLANS WILL BE RETURNED TO YOU FOR COMPLETION AND MAY RESULT IN A DELAY IN THE ISSUANCE OF YOUR SEPTIC SYSTEM PERMIT!!!

Place an (X) beside each item as you complete the site plan:

- ___/___ Property Line measurements are clearly identified…
- ___/___ All proposed structures are indicated…
  SHOW: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site
- ___/___ Front and side setbacks from property line…
- ___/___ Preferred driveway location and configuration, preferred well location…
- ___/___ Area you prefer your septic system to be placed…
- ___/___ North arrow, or other sufficient indicator of direction…

Circle N/A on the following if appropriate:

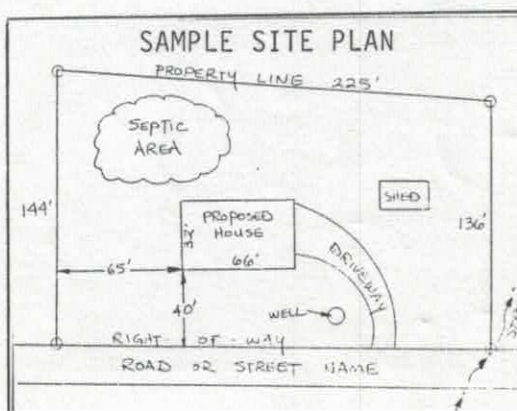
- ___/___ Location of septic systems and wells within 100' of your property… N/A
- ___/___ Location of easements and rights of ways on your property… N/A
- ___/___ Location of any designated wetlands on the property… N/A

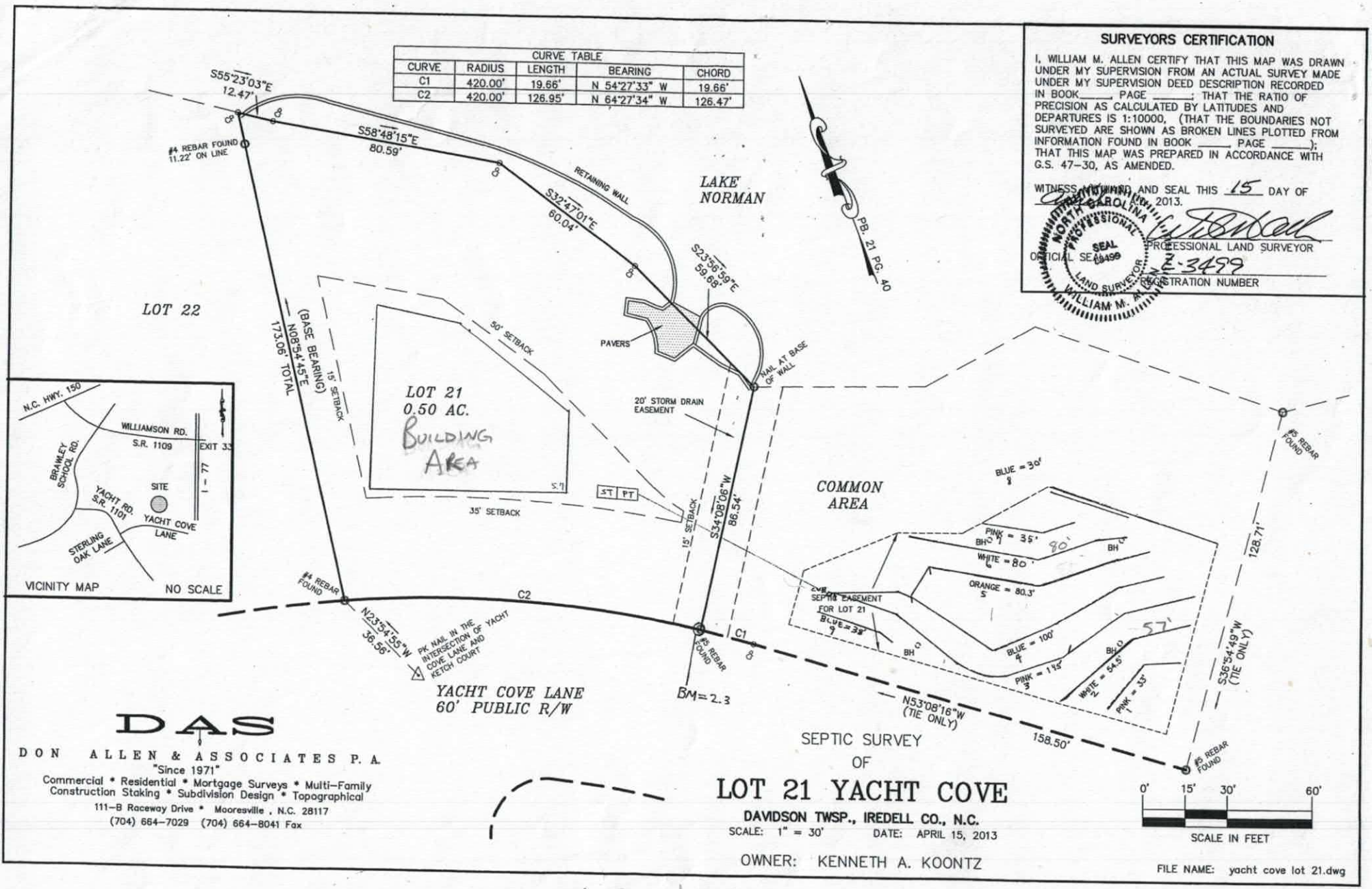
Signature: _____
Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

4-18-13
DATE

USE THIS SPACE TO DRAW YOUR SITE PLAN

Refer to survey





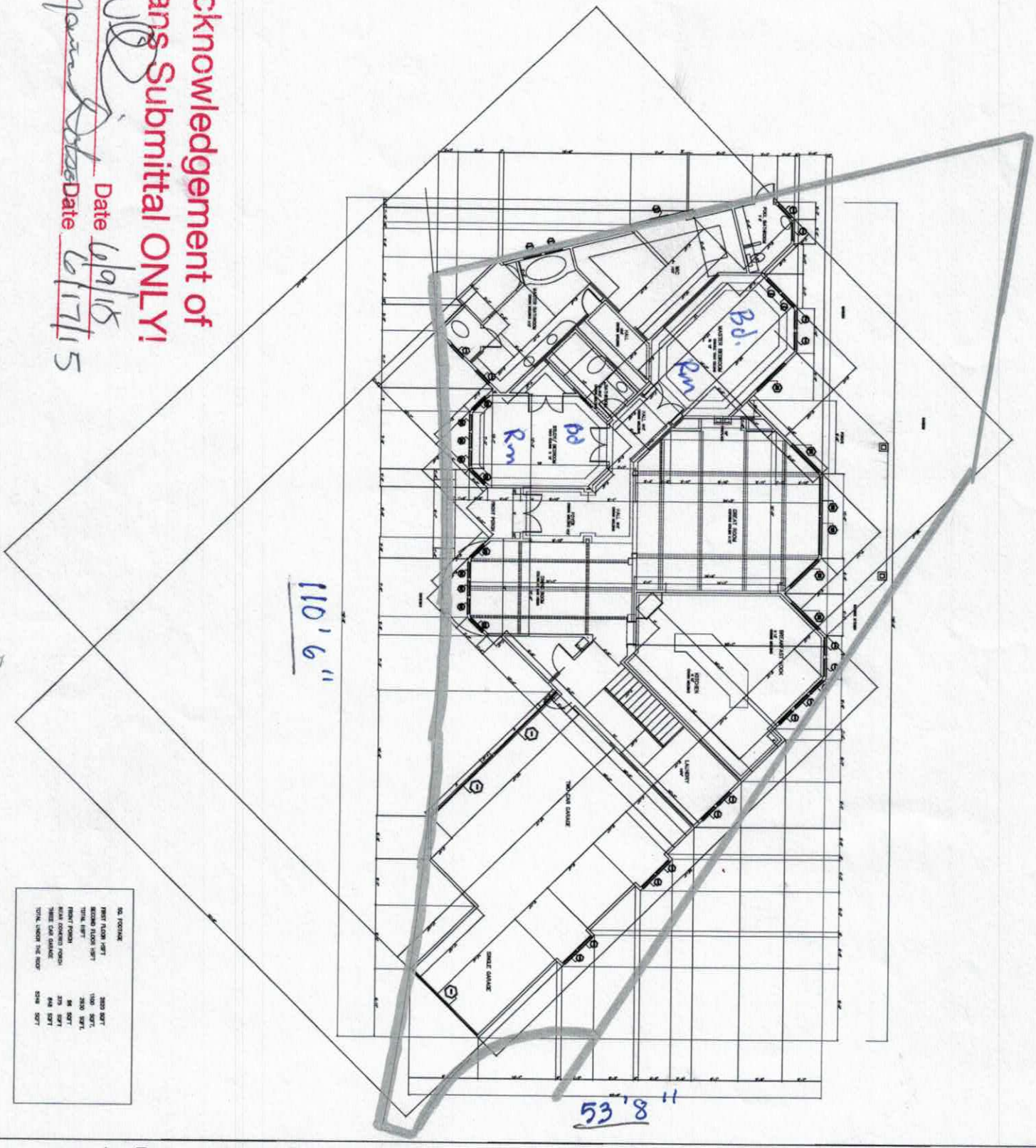
14
x3
42

Ask About 50' From Lake
&
Property Lines

Acknowledgement of Plans Submittal ONLY!

Date 6/9/15

Date 6/17/15



A Proposed Residence For Mr.& Mrs. Schiefen

LOT : 27 YATCH COVE ST MOORESVILLE, NC

SHEET: 1	MAIN FLOOR PLAN		DRAWN: MZ	BUILDER: WHITLEY & COMPANY ARCHITECT: MARIA ZEOLITE
	DATE: 08-01-2013	SCALE: 1/4"=1'		

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT

Acknowledgement of Plans Submittal ONLY!

Date 6/9/15

Date 6/17/15

3 BR's, INSTALLING 4th BR system for future use

A Proposed Residence For Mr.& Mrs. Schiefen

LOT : 27 YATCH COVE ST MOORESVILLE, NC

SHEET: 4	SECOND FLOOR PLAN		DRAWN: MZ	BUILDER: WHITLEY & COMPANY ARCHITECT: MARIA ZEOLITE
	DATE: 05-22-13	SCALE: 1/4"=1'		

PRODUCED BY AN AUTODESK EDUCATIONAL PRODUCT