IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 22601

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

PIN # 4635037916

APPLICANT: JEFFREY & ALLISON COOPER APPLICANT ADDRESS: 146 VINEYARD DR MOORESVILLE 28117

SITE ADDRESS: 146 VINEYARD DR. MOORESVILLE NC 28117 PHONE: ALT. PHONE: 704 576 3887

SITE DIRECTIONS: BRAWLEY SCHOOL TO TRAFFIC CIRCLE - GO AROUND TO POINT DR - TR MEETING HOUSE - TL VINEYARD

SUBDIVISION: THE POINT ON NORMAN SECTION: 1A LOT # 44 LOT AREA: 3.764 ± DESIGN FLOW: 480 L.T.A.R.: .3

Septic Tank EXISTING (gal) STB Date

Pump Tank (gal) PT Date

Pump Make Model Serial #

Nitrification Fields 1 # Lines (4) 1 NEW Linear Ft: 300 + 100 New

Trench Width 36" Max. Trench Bottom Depth Existing + 36" Gravel Depth N/A

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

System Description: GRAVITY 25% REDUCTION

Repair System Description: LF PPRPS

Maintenance Agreement Required: ☐ YES ☑ NO

☑ GRAVITY ☐ PRESSURE

☑ Residence ☐ Business ☐ Other ☐ Slab ☑ Crawl Space ☐ Basement w/plumbing

No. Bedrooms 4 No. Persons 8 No. Employees

☐ Basement w/o plumbing

Water Supply: ☐ Private ☐ Public ☑ Community

Comments / Conditions:

INITIAL SITE SKETCH

See Michael Athanas & Associates Plan.

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: Alison Cooper Date: 11-7-16 Installed by: Richard Abernathy

IMPROVEMENT PERMIT by: Date: 10/28/16 OPERATION PERMIT by: Maria Dotson Date: 2/3/17

AUTHORIZATION TO CONSTRUCT by: Date: 10/13/16 Existing System Inspected by: Date:

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

LOCATION MAP

NOT TO SCALE

NORTH PER P.B. 3, PG 43

CURVE TABLE				
CURVE	LENGTH	RADIUS	CHORD	CHORD BRG
C1	126.71	350.00	126.02	N13°32'01"W
C2	36.27	25.00	33.17	S17°38'55"W
C3	23.18	25.00	22.36	S85°46'04"W
C4	69.88	50.00	64.33	N72°27'24"E
C5	44.49	50.00	43.03	N06°43'15"E
C6	36.00	50.00	34.29	N38°28'48"W

LINE TABLE		
LINE	LENGTH	BEARING
L1	2.59	N03°09'42"W
L2	3.11	N59°12'09"E
L3	7.09	N23°08'05"E

4635049171
POINT OWNERS ASSOCIATION INC
DB 01232 PG 2022

N07°52'25"W
75.60'

N07°57'03"W
98.87'

4635048038
DOUG P EHMANN
DB 1262 PG 1083

N62°09'02"W
211.43'

35' REAR SETBACK

15' SIDE SETBACK

LOT 44
37,663 SQ. FT.
0.865 ACRE

20' pool
40'

Pool
48.5'

15' SIDE SETBACK

4635037842
BRIAN WOLF
DB 1515 PG 1747

S89°49'07"E
261.25'

BRICK PATIO

COVERED PATIO

COVERED PATIO

2 STORY
STONE/CEDAR SHAKES

40.9'

COVERED PORCH

CONC./BRICK DRIVE

BRICK S/W

35' FRONT SETBACK

C6

C5

C4

C3

C2

C1

EDGARTOWN COURT
40' PUBLIC R/W

VINEYARD DRIVE
50' PUBLIC R/W 28' BC TO BC

NOTES:

1. NO NOGS MONUMENT FOUND WITHIN 2000'

2. PROPERTY MAY BE SUBJECT TO OTHER COVENANTS, RESTRICTIONS, EASEMENTS OR RIGHTS-OF-WAY THAT MAY BE OF RECORD.

3. 10' DRAINAGE AND UTILITY EASEMENT ALONG ALL LOT LINES.

LEGEND

4 REBAR FOUND ○

PHYSICAL SURVEY

Scale
1"=40'

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

Reference: Data Sheet for 146 Vineyard Dr., The Point 1A Lot 44
House Footprint: See attached plan
Building Setbacks: 35' front/rear, 15' side
Water Source: Community well
Number of Bedrooms: 4/480 GPD
Proposed LTAR: 0.3 GPD/FT2 (ICHD-initial), 0.3 GPD/FT2 (repair)
Proposed System Type: 25% Reduction
Proposed Repair System Type: PPBPS
Distribution: Gravity-Distribution box
Septic Tank Size: 1500 gallons (existing)
Proposed Trench Bottom: 36"



Line	Design Length	Actual Length
White 1 (New)	**100'**	**100'**
Orange 2 (Ex)	**100'**	**100'**
Pink 3 (Ex)	**100'**	**100'**
Blue 4 (Ex)	**100'**	**100'**
Yellow 5 (Ex)	**100'**	**100' (abandon)**
Pink 6		85'
Blue 7		80'
Orange 8		45'
White 9		55'
Blue 10		36'

Initial System: 400' **Repair System:** 301'

Comments:
The purpose of this evaluation is to determine the area for a pool and a pool house. MA&A propose to abandon Y5 and replace it with W1. We also recommend repositioning the distribution box closer to the septic tank. This will allow the D-box to be set as shallow as possible. W1 is slightly higher in elevation than O2. We have determined the depth of the existing tank and believe that by repositioning the D-box and installing the new line at 36", gravity flow can still be achieved. We are proposing the repair in the front yard.

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

Sheet __1__ *of* __1__
PROPERTY ID #: 4635037916_
COUNTY: _Iredell_____

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

OWNER: Jeffery & Allison Cooper_____ APPLICATION DATE_____
ADDRESS: 146 Vineyard Dr., Mooresville, NC 28117_____ DATE EVALUATED: _____
PROPOSED FACILITY: _4 bdrm_____ PROPOSED DESIGN FLOW (.1949): _480 GPD__ PROPERTY SIZE: _0.86 AC_____
LOCATION OF SITE: _146 Vineyard Dr., The Point 1A Lot44_____ 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 4%	0-32	R C SBK	FR SS SP SEXP	N/A	48"	F-C SAP	N/A	PS 0.3
		32-48	R CL WSBK	FR SS SP SEXP					
2	LS 7%	0-30	R C SBK	FR SS SP SEXP	N/A	48"	F-C SAP	N/A	PS 0.3
		30-48	R CL WSBK	FR SS SP SEXP					
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1200 FT2	903 FT2
System Type(s)	25% Reduction	PPBPS
Site LTAR	0.3 ICHD	0.3

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____PS_____
EVALUATED BY: _____MA&A_____
OTHER(S) PRESENT: _____

COMMENTS:_____

RECEIVED OCT 20 2016

IREDELL COUNTY HEALTH DEPARTMENT

#222601

ENVIRONMENTAL HEALTH DIVISION

PAGE 1: *APPLICATION FORM* Relocation Paid $350.00

Application For:
( ) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
(X) 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: (X) 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: Jeffrey & Allison Cooper **Address:** 146 Vineyard Dr. Mooresville NC 28117 **Phone:** acamastra@gmail.com

Owner Name: Same **Address:** **Phone:**

Property Information:

Street Address: 146 Vineyard Dr.

Subdivision Name: The Point **Section/Phase:** 1-A **Lot Number:** 44

Driving Directions:

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

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

Maximum Number of Bedrooms: 4
Maximum Number of Occupants:
(✓) 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 (X) Other: Accept-1

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: _____ 10/19/2016
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) **DATE**

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, Alison Cooper + Jeff Cooper, am the legal owner(s) of the property located at 146 Vineyard Drive Mooresville, NC 28117, identified as PIN (Parcel Identification Number) 4635037916, 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.

Alison Cooper 10-18-16 — Signature of Owner(s) / Date

Jeff Cooper 10-18-16 — 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

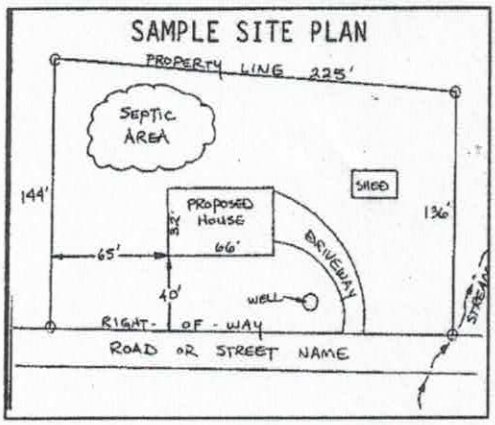
ENVIRONMENTAL HEALTH DIVISION

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 Plan

Signature: _____ 10/19/2016

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

IREDELL COUNTY HEALTH DEPARTMENT

STATESVILLE 704-878-5305 MOORESVILLE 704-664-5281

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

4 50pd. 330

PERMIT# 073394 PIN# 4625941684 4635-03-7916 DATE June 30, 03

OWNER OR CONTRACTOR Steve Gallagher PHONE: Business _____ Home _____

ADDRESS 1115 Windy Oaks Ct. Cornelius, N.C. 28031

LOCATION Brawley Sch Rd. TL The Point DR. to Meeting House to Vineyard TL Edgartown on Right - corner lot

SUBDIVISION The Point BLOCK / SECTION 1A LOT 44 LOT AREA 37,649 ft² SITE CLASS. A5 DESIGN FLOW 480gpd L.T.A.R. .3

Septic Tank: 1000 min. Gallons; STB 338 Date 9-6-03
Pump Tank: _____ Gallons; PT _____ Date _____
Pump Make: _____ Model _____ Serial No. _____
Nitrification Field: No Fields 1 Square Feet 1200 Linear Feet 400
No Lines 4@100' Trench Width 36" Max Trench Bottom Depth 36" Gravel Depth N/A

☑ New System ☐ Repair System Type: I, II, III, IV, V, VI
System Description: Gravity 25% Reduction
Repair System Description: LPP 25-50% Reduction
Maintenance Agreement Required: ☐ Yes ☑ No Initially

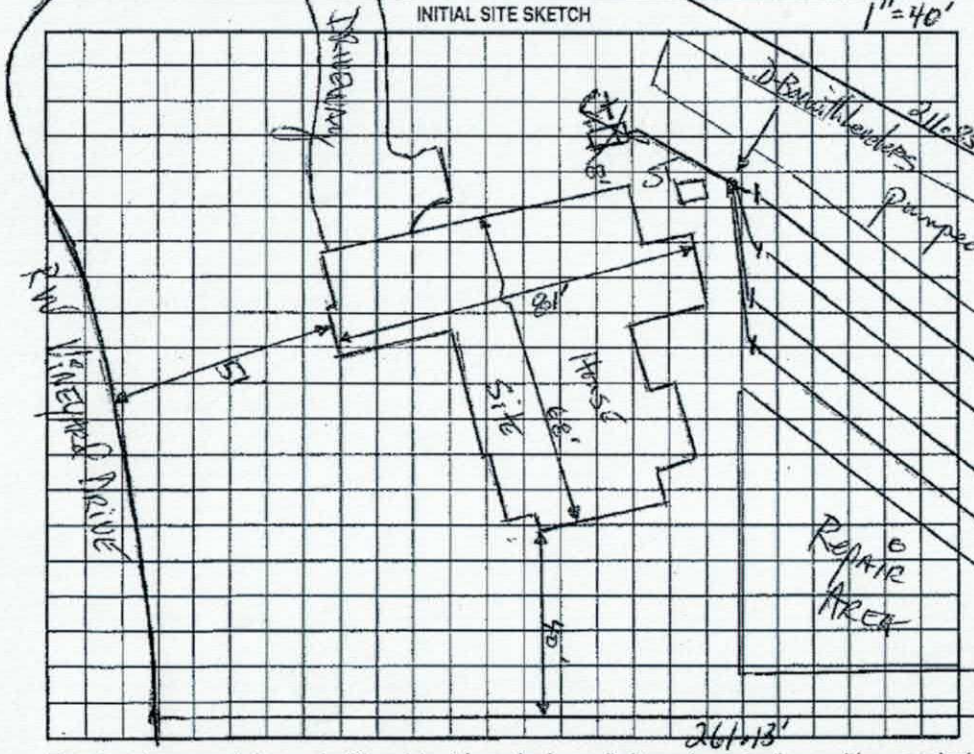
☑ House/Mod. Home No. Bedrooms 4/4
☐ Mobile Home No. Bathrooms
☐ Business No. Employees
☐ Other
☐ Slab ☑ Crawl Space ☐ Basement w/plumbing ☐ Basement wo/plumbing

Water Supply: ☐ Individual ~~☑ Public~~ ☑ Community

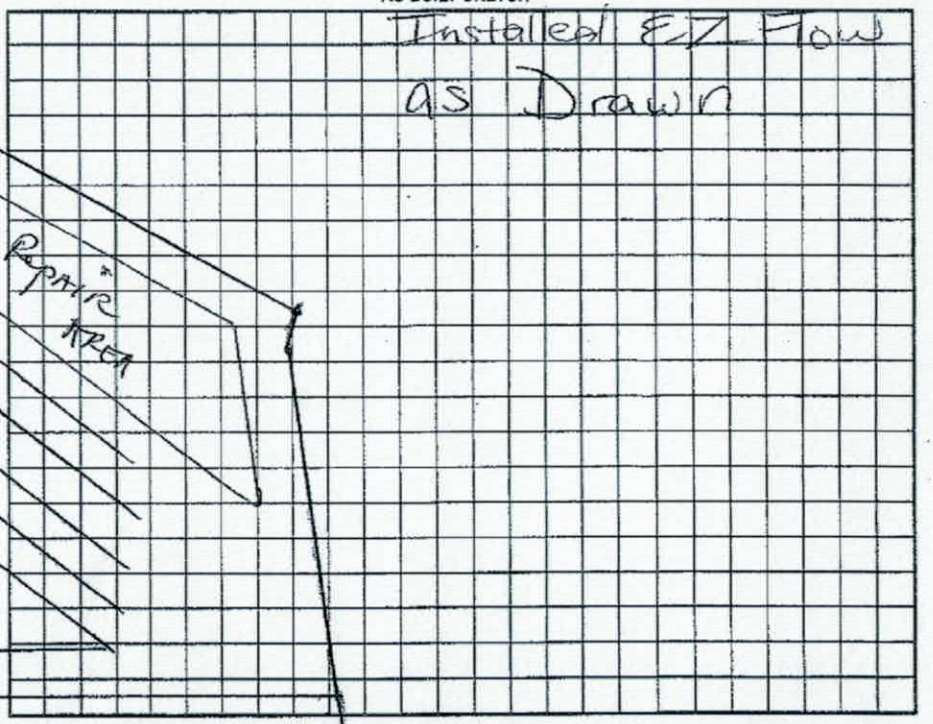
Comments:/Conditions:
Edgartown Court

Comments:/Conditions: 11/17/03 Checked tanks & lines MD

INITIAL SITE SKETCH 1"=40'



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. Improvement Permit with plat valid without expiration. Improvement Permit with site plan valid for sixty months. Authorization to Construct is valid for a period equal to that of Improvement Permit - not to exceed sixty months.

Signed: _____ date 6/30/03 Installed by: Richard Abernathy

Improvement Permit by: _____ date 6-30-03 Operation Permit by: Wesley Sparks RS date 11/18/03

Authorization to Construct by: _____ date 6-30-03 Existing System Inspection by: _____ date _____

HEALTH DEPT. COPY: WHITE OWNER COPY (FINAL): YELLOW OWNER COPY (INITIAL): PINK

Acknowledgement of
Plans Submittal ONLY!

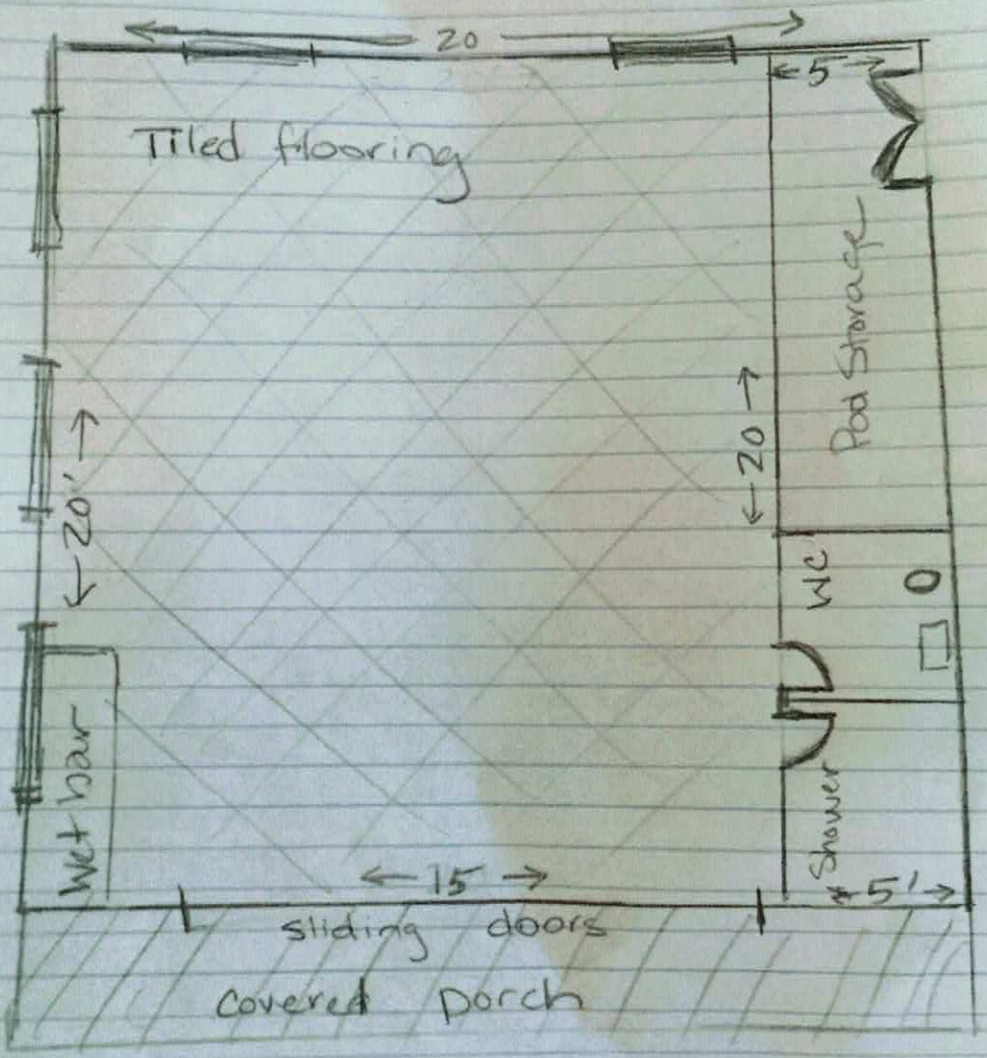
Date 11/10/16

Date

Pool House Design

146 Vineyard Dr
Mooresville, NC 28117

Jeff and Alison Cooper
336.108.5156
acamastra@gmail.com





IREDELL COUNTY

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

APPLICATION NUMBER
222601
Issue Date: 10/19/2016

ZONING PERMIT

Residential

Parcel Number	Street Address	Jurisdiction
4635037916.000	146 VINEYARD DRIVE, MOORESVILLE, NC	IREDELL COUNTY

Owner Information	Applicant Information
Owner: COOPER JEFFREY C+ALISON C	Applicant: MICHAEL ATHANAS & ASSO
Address: 146 VINEYARD DR MOORESVILLE, NC 28117	Address: 561 ENNIS RD WEDDINGTON, NC 28173
Phone:	Phone: 704-576-3887

Use Requested	Zone Code
POOL HOUSE	20CU

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
.860		10.00	10.00	10.00	CACL	X

Remarks:

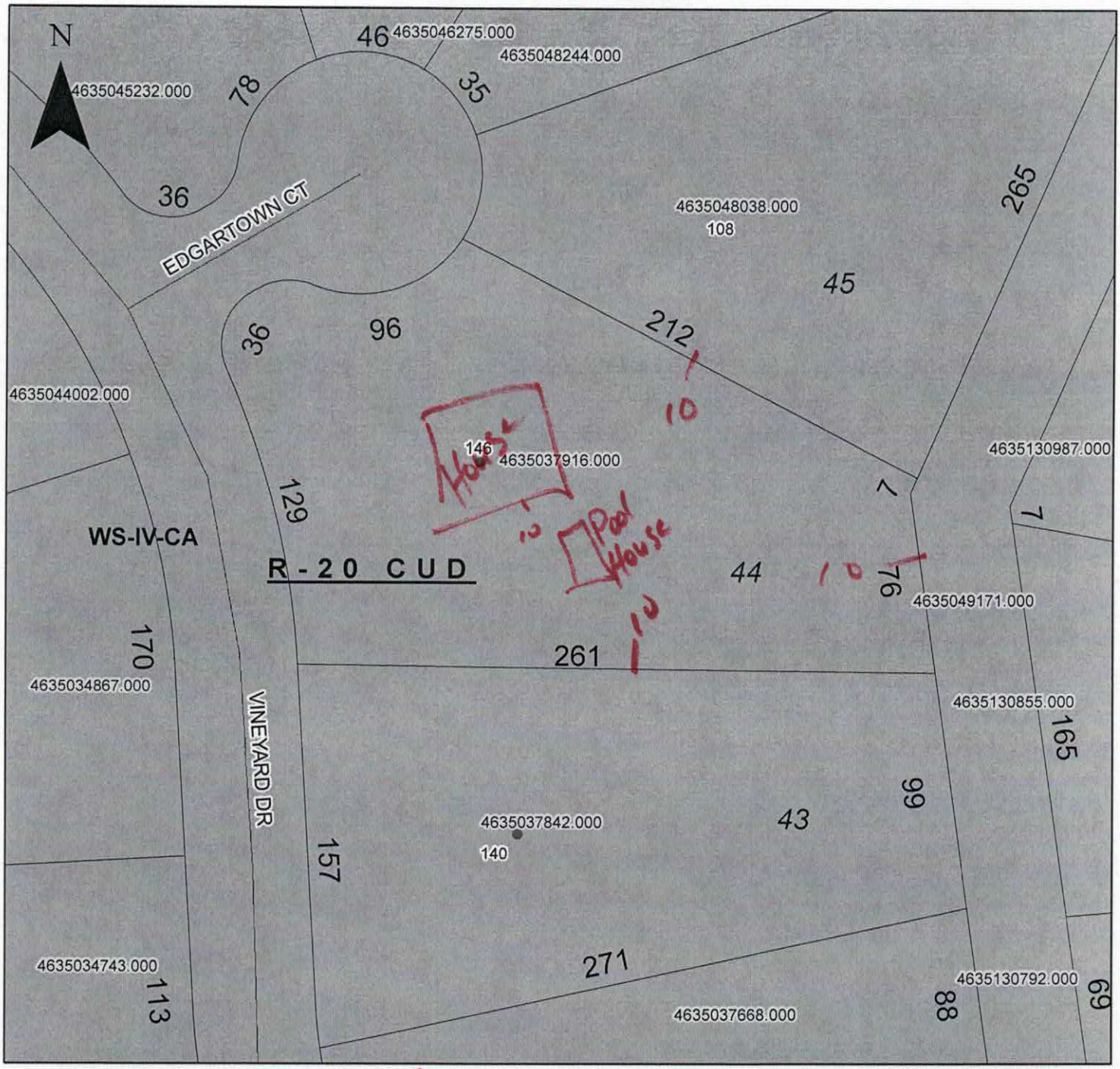
Shall not be erected in front building line of the principal structure. Shall not be erected within 25 ft of any side street or corner lot. Shall not be erected within 10 ft of any line not a street line or within 10ft of any other building on the same lot. Shall not be erected within the 50ft buffer zone on lake front properties. Shall not exceed the height limitation of the principal structure. Exceptions to the front building line location: if the lot equals 1 acre or greater, and is double frontage lake lot or the location of the building/structure is 150 feet or greater than from the frontage street right of way line than the structure can be located in front of home. Any accessory building or structure over 1200 sq/ft shall be setback a minimum of fifty (50) feet from any property line.

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	83532	TOTAL FEES:	$ 77.25

ZONING DISCLAIMER



Property Address 146 Vineyard Dr

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. Applicant further acknowledges that the 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