IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 232385

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

PIN # 4776-72-2010

APPLICANT/OWNER: Robert R. Mitchell APPLICANT ADDRESS: 104 Sterling Terrace Mooresville, NC 28115

SITE ADDRESS: 136 Swann Lane Crossing Statesville, NC 28625 PHONE: 732-233-6347 ALT. PHONE 908-692-6716

SITE DIRECTIONS: Rt 64 East from Statesville, L on Swann Rd, L on Swann Crossing, House on Right SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Swann Crossing SECTION: 3 LOT # 13 LOT AREA: 0.535 DESIGN FLOW: 360 GPD L.T.A.R.: 0.35

Septic Tank Existing 1000 (gal) STB 760 Date 5-17-10

Pump Tank Existing 1000 (gal) PT 360 Date 5-25-10

Pump Make Zoeller Model APN 151-B Serial # 151-0005

Nitrification Fields Ex 1 # Lines Ex 3 Linear Ft Ex 360

Trench Width 36" Ex Trench Bottom Depth(Low side) Ex 36" Gravel Depth —

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

System Description: Reroute OR replace conveyance line

Repair System Description: 50% Reduction

Maintenance Agreement Required: ☐ YES ☒ NO ☐ GRAVITY ☒ PRESSURE

☒ Residence No. Bedrooms 3

☐ Business No. Persons 6

☐ Other No. Employees

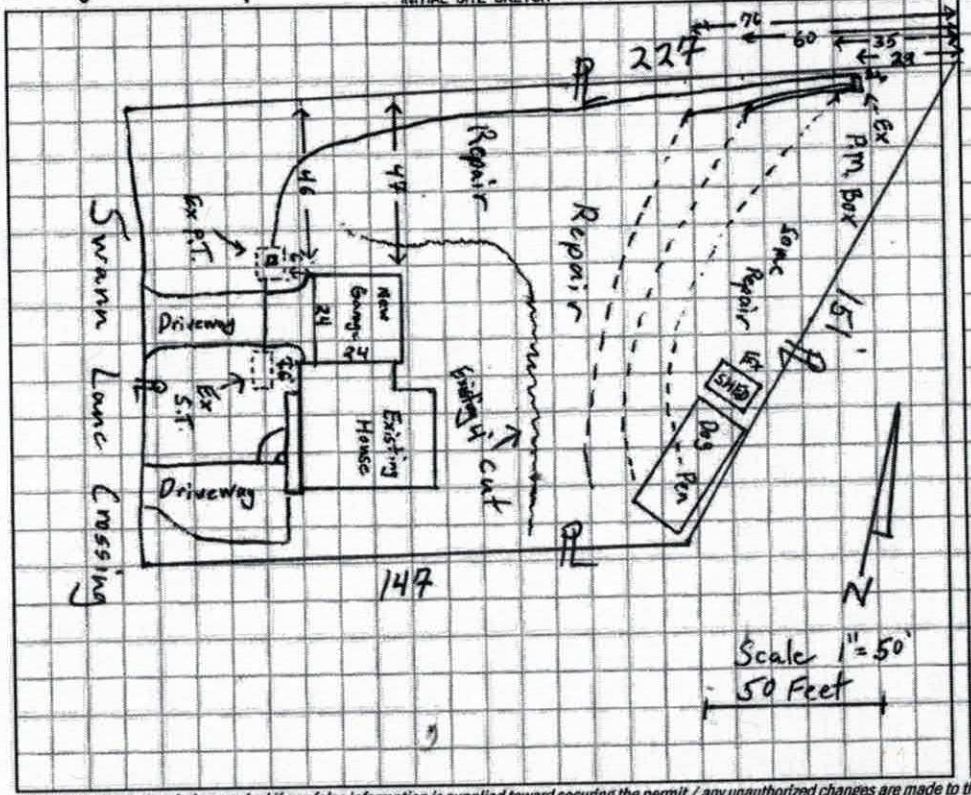
☒ Slab ☐ Crawl Space

☐ Basement w/ plumbing ☐ Basement w/o plumbing

Water Supply: ☐ Private ☒ Public ☐ Community

Comments / Conditions: Conveyance line beneath new driveway serving new garage must be buried at least 30 inches deep (might not be possible without modifying septic + pump tank elevations OR 19' section of conveyance line shall be replaced with ductile iron (3" diameter). No living area in new garage. Recommend pumping septic tank every 3-5 years.

INITIAL SITE SKETCH



AS BUILT SKETCH

3/15/18 18' 6" D.W. HDPE Pipe installed AASHTO M252-09 Dated: 5/29/15 from Lane Enterprises Inc.

Put in MUNIS 3/15/18

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 IMPROVEMENT PERMIT**

☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☒ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☒ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to*

Owner / Applicant Signature: Robert Ross Mitchell Date: 1/4/2018 Installed by: Charis Mc Hargue 3/15/18

IMPROVEMENT PERMIT by: Tom Shuck Date: 1/3/2018 OPERATION PERMIT by: Tom Shuck

AUTHORIZATION TO CONSTRUCT by: Tom Shuck Date: 1/3/2018 Existing System Inspected by:

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

4776- 72-2010
0.535 acres

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: (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: (PRINT CLEARLY)

Applicant Name: ROBERT R MITCHELL Address: 104 STERLING TERRACE Zip: 28115
Applicant Email: bikerbobharley@gmail.com Phone: 732 233-6342 Alt. Phone: 908 692-6716
Owner Name: KELLY DAWKINS Address: 136 SWANN LANE CROSSING Zip: 28625
Owner Email: _____ Phone: _____ Alt. Phone: _____

Property Information:

Street Address: 136 SWAN LANE CROSSING
Subdivision Name: SWANN CROSSING Section/Phase: _____ Lot Number: 13
Driving Directions: HWY 64 EAST, MAKE LEFT ON TO SWANN CROSSING, MAKE ANOTHER LEFT ON TO SWANN CROSSING LANE

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

( ) New Single Family Residence
( ) New Multi-Family Residence
(X) Accessory Building
( ) Bedroom(s) Addition
( ) Repair to failing septic system ___ Tank ___ Drain lines Describe Problem: _____
Maximum Number of Bedrooms: 3
Maximum Number of Occupants: 2
( ) Swimming Pool
(X) Other Addition/Structure: GARAGE

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

Non-Residential Site Development: Type of Business: _____
Square Footage of Building: 576 Max. Number of Employees: X Max. Number of Seats/Beds/Other: X

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

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

Desired Septic System Type: *(you may rank in order of preference)* Year existing system installed: 2010
( ) No Preference ( ) Alternative ( ) 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: Robert Ross Mitchell 12/20/17
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

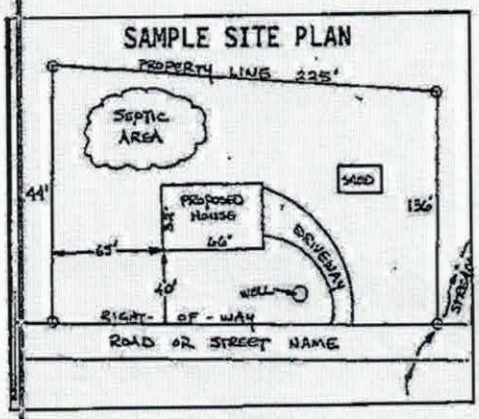
IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

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 OR WELL PERMIT!!!*

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

- (X) Property Line measurements are clearly identified
- (X) All proposed structures are indicated
- (X) Front and side setbacks from property line
- (X) Preferred driveway location
- (X) Preferred well location
- (X) Preferred septic system location
- (X) 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)

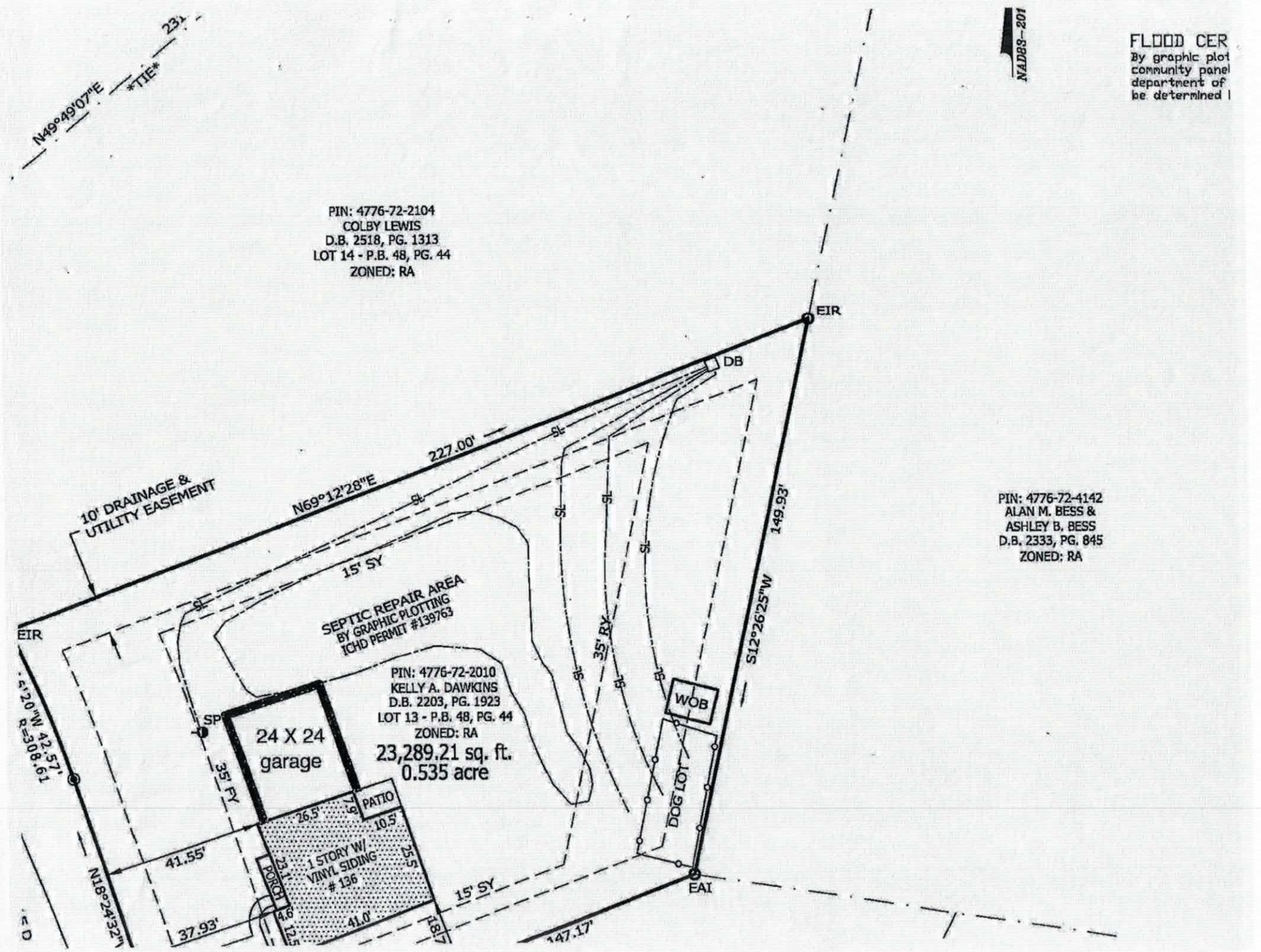
USE THIS SPACE TO DRAW YOUR SITE PLAN

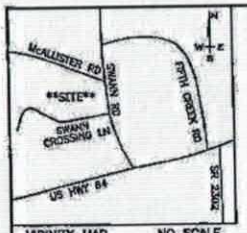
Show: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site

SEE ATTACHED

Signature: Robert Ross Mitchell
Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

12/20/17
DATE


N49°49'07"E
TIE
NAD83-201
FLOOD CER
By graphic plot
community panel
department of
be determined
PIN: 4776-72-2104
COLBY LEWIS
D.B. 2518, PG. 1313
LOT 14 - P.B. 48, PG. 44
ZONED: RA
EIR
DB
227.00'
N69°12'28"E
10' DRAINAGE &
UTILITY EASEMENT
15' SY
SL
SEPTIC REPAIR AREA
BY GRAPHIC PLOTTING
ICHD PERMIT #139763
PIN: 4776-72-4142
ALAN M. BESS &
ASHLEY B. BESS
D.B. 2333, PG. 845
ZONED: RA
149.93'
S12°26'25"W
35' RY
WOB
DOG LOT
EIR
PIN: 4776-72-2010
KELLY A. DAWKINS
D.B. 2203, PG. 1923
LOT 13 - P.B. 48, PG. 44
ZONED: RA
23,289.21 sq. ft.
0.535 acre
SP
24 X 24
garage
35' FY
PATIO
26.5'
7.9'
10.5'
1 STORY W/
VINYL SIDING
136
23.1'
PORCH
4.6'
12.5'
55.5'
41.0'
18.7'
41.55'
37.93'
N18°24'32"W
42.57'
R=308.61
15' SY
EAI
147.17'



VICINITY MAP NO SCALE

SURVEYOR'S REPORT:

1a. All parties interested in this to produce surveyed.
This is to certify, that on DECEMBER 15, 2017 , I made an accurate survey of the premises standing in the name of: KELLY A DAWKINS
situated at: COOL SPRING TOWNSHIP ——— IREDELL COUNTY ——— NORTH CAROLINA
briefly described as: 138 SWANN CROSSING LANE – STATESVILLE, N.C. 28625
and shown on the accompanying survey entitled: SURVEY FOR KELLY A. DAWKINS

I made a careful inspection of said premises and of the buildings located thereon at the time of making such survey.

I further certify as to the existence or non-existence of the following at the time of my last inspection thereof:

1. Rights of way, old highways, or abandoned roads, lanes or driveways: NONE
2a. Use across said premises of: DRAINAGE & UTILITY EASEMENT
b. Springs, streams, rivers, ponds, or lakes located, bordering on or running through said premises: NONE
3. Cemeteries or family burying grounds located on said premises if show location on plat: N/A NONE
4. Telephone, telegraph or electric power poles, wires or lines overhanging or crossing said premises and serving other property or properties: POWER TRANSFORMER
5. Joint driveways or walkways; party walls or rights of support; porches, steps or roofs used in common or joint ownership: NONE
6. Encroachments, or overhanging projections, of the buildings, projections or cornices thereof, or signs affixed thereto, fences or other structures of occupancy encroach upon or overhang adjoining properties, or the like encroach upon or overhang surveyed premises, specifying: such: NONE
7. Physical evidence of boundary lines on all sides: PLANTINGS ON THE NORTH, EAST & SOUTH SWANN CROSSING LANE ON WEST.
8. Is the property improved? YES
(a) Building (s): 1 STORY (b) Building is: VINYL SIDING
9. Indications of building construction, alterations or repairs within recent months: NONE
10. Changes in street lines, either completed or officially proposed: NONE
11. Any existing streets or roads maintained by public authorities: NO
12. If the surveyed premises are subject to restrictive covenants, do the improvements, use and occupancy comply with such? YES

FLOOD CERTIFICATION:

By graphic plotting only, this property is not in a flood hazard area of the flood insurance rate map, community panel no. 3710478600J effective date 2/18/2009 , as prepared by the U.S. department of housing and urban development federal insurance administration. Exact designation can only be determined by an elevation certificate.

NOTES:

PROPERTY SUBJECT TO ANY FACTS THAT MAY BE DISCLOSED BY A FULL AND ACCURATE TITLE SEARCH.

PROPERTY SUBJECT TO EASEMENTS AND RIGHTS OF WAY OF RECORD AND THOSE NOT OF RECORD, IF ANY EXIST.

AREA BY COORDINATE COMPUTATION.

PROPERTY MAY BE SUBJECT TO GOVERNMENTAL ORDINANCES, ZONING AND OTHER REGULATIONS CONCERNING THE DIVISION AND DEVELOPMENT OF REAL ESTATE.

NO SUBTERRANEAN SURVEY PERFORMED AT THIS SITE.

ZONING:

PROPERTY IS ZONED: RA - IREDELL COUNTY ZONING JURISDICTION.

PROPERTY IS SUBJECT TO A 25' FRONT YARD (FY), 35' REAR YARD (RY), & 15' SIDE YARD (SY)- MINIMUM BUILDING SETBACK PER P.B. 48, PG. 44 & IREDELL COUNTY ZONING ORDINANCE.

PROPERTY IS SUBJECT TO A 10' DRAINAGE & UTILITY EASEMENT AROUND INSIDE PERIMETER OF LOT PER P.B. 48, PG. 44.

PROPERTY IS SUBJECT TO RESTRICTIVE COVENANTS REFERENCED IN D.B. 934, PG. 1639 & D.B. 1727, PG. 1941 - IREDELL COUNTY REGISTRY.

I, GERALD V. GRANT, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY PERFORMED UNDER MY SUPERVISION (DEED DESCRIPTION RECORDED IN DEED BOOK 2203 , PAGE 1923 & PLAT BOOK 48 , PAGE 44); THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION FOUND IN PLAT BOOK 48 , PAGE 44 & P.B. 31, PG. 141 ; THAT THE RATIO OF PRECISION AS CALCULATED IS: 1:10,000; THAT THE GLOBAL POSITIONING SYSTEM (GPS) OBSERVATIONS WERE PERFORMED TO THE GEOSPATIAL POSITIONING ACCURACY STANDARDS, PART 2: STANDARDS FOR GEODETIC NETWORKS AT THE 95% CONFIDENCE ACCURACY CLASSIFICATION (95 % CONFIDENCE) USING REAL TIME KINEMATIC.

NORTH CAROLINA PROFESSIONAL SEAL L-1595 LAND SURVEYOR GERALD V. GRANT

12/18/2017



REFERENCE:

BEING ALL OF LOT 13 - SWANN CROSSING - PHASE III SUBDIVISION, AS RECORDED IN P.B. 48, PG. 44 - IREDELL COUNTY REGISTRY.

LEGEND:

EIP - EXISTING IRON PIPE
EIR - EXISTING IRON REBAR
EAI - EXISTING ANGLE IRON
WOB - WOODEN OUTBUILDING
R/W - RIGHT OF WAY
DB - SEPTIC DISTRIBUTION BOX
SL - SEPTIC LINE - BY GRAPHIC PLOTTING
SP - SEPTIC PUMP
TR - POWER TRANSFORMER
WM - WATER METER
⊕ - COMPUTED POINT
FIRE HYDRANT
——·——·—— - ADJOINING PARCEL LINE
——o——o—— - FENCE LINE

GRAPHIC SCALE

30 0 15 30 60 120

(IN FEET)
1 inch = 30 ft.

SURVEY FOR
KELLY A. DAWKINS
138 SWANN CROSSING LANE – STATESVILLE, N.C. 28625

SCALE: 1"=30'	APPROVED BY:	DRAWN BY: SMS
DATE: 12/18/2017		
DEED REF: 2203-1923		PIN NO: 4776-72-2010
COOL SPRING TOWNSHIP	IREDELL COUNTY	NORTH CAROLINA

GERALD V. GRANT & ASSOCIATES
3331 SHARON ROAD, STATESVILLE, N.C. 28625 PH: 704 – 871 – 2130

DRAWING NUMBER: G17058-PHS

IREDELL COUNTY HEALTH DEPARTMENT STATESVILLE 704-878-5305 MOORESVILLE 704-664-5281

R/ THIS REPLACES PREVIOUS ISSUED 1-6-07

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

PERMIT # 139763 PIN # 4776-72-2010 DATE 8-9-10

OWNER or APPLICANT Meredith Homes PHONE: Business 704 264 5081 Home:

OWNER or APPLICANT ADDRESS 136 Swann Crossing Drive

LOCATION / DIRECTIONS US 64 East, TL Swann Road, TL Swann Crossing Drive, 5th lot on Right

SUBDIVISION Swann Crossing BLOCK / SECTION III LOT # 13 LOT AREA .535 DESIGN FLOW 360 L.T.A.R. .25

Septic Tank 1000 Gallons: STB 760 Date 5-17-10
Pump Tank 1000 Gallons: PT 360 Date 5-25-10
Pump Make Zoeller Model BN151-B Serial # 151-0005
Nitrification Field No Fields 1 No Lines 3 Linear Feet 360
Trench Width 3 Max. Trench Bottom Depth 36" Gravel Depth n/a

☒ New System ☐ Repair ☐ Expansion System Type I II ☒ III IV V VI
System Description: 25% Reduction Pump
Repair System Description: 50% Reduction Pump
Maintenance Agreement Required ☐ YES ☒ NO
☐ GRAVITY ☒ PRESSURE

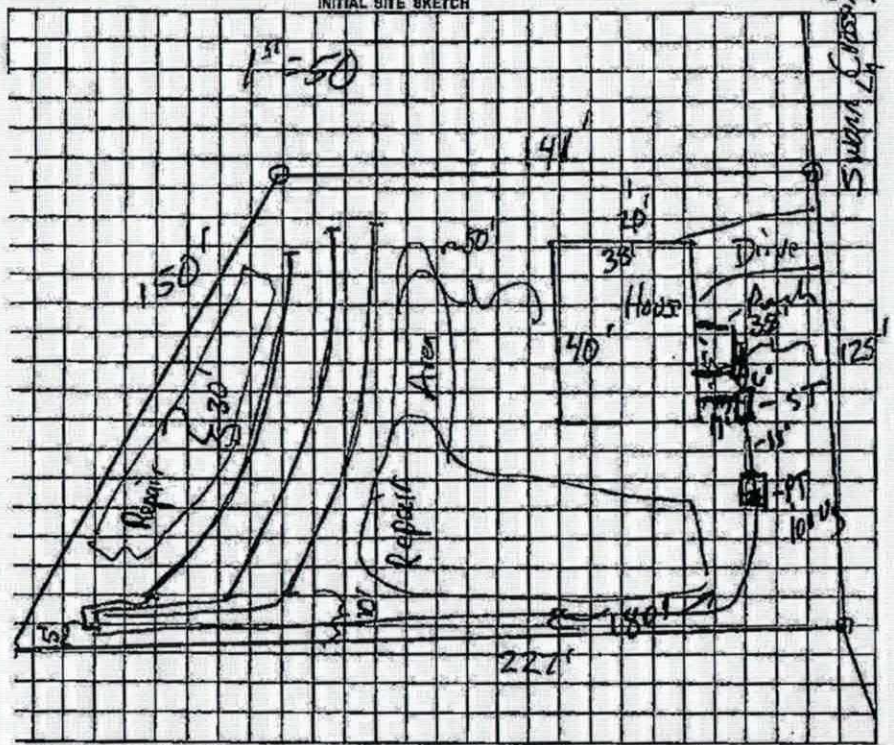
☒ Residence No. Bedrooms 3
☐ Business No. Persons
☐ Other No. Employees
☒ Slab ☐ Crawl Space
☐ Basement w/plumbing ☐ Basement w/o plumbing

Water Supply: ☐ Private ☒ Public ☐ Community

Comments / Conditions

Comments / Conditions Poly/Lock Filter Fee

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.

☐ IMPROVEMENT PERMIT w / plat valid without expiration. ☒ IMPROVEMENT PERMIT w / 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 8-9-10
Improvement Permit by: Date 8-9-10
Authorization to Construct by: Date 8-9-10

Installed by: TIM Abe
Operation Permit by: Date: 11-12-10
Existing System Inspected by: Date:

YOU SHOULD CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION.

WHITE COPY Environmental Health YELLOW COPY (Final) Owner / Applicant PINK COPY (Initial) Owner / Applicant

Lane Enterprises, Inc. — Shippensburg, PA

QA Daily Worksheet

HDPE Pipe - AASHTO M252 - 09

Completion Date 6/1/2015 **Diameter** 6" D.W. **Type** S **Production Date** 5/29/2015 pm

0 Degree

Test Number 060115 0951

Resin Car Number 120760BD

Carbon Black Lot Number 5787TB

Carbon Black % Outer Wall

% CB	% CB	Average
2.2806%	2.3349%	2.3078%

Workmanship Markings Pass X Fail

Inside Diameter

1	6.05
2	6.05
Avg	6.05

Liner Thickness

1	0.039	5	0.036
2	0.041	6	0.034
3	0.036	7	0.037
4	0.038	8	0.040
Average		0.0376	

Measured By Ultrasonic X / Micrometer

Outside Diameter 7.05

Sample Length

1	12.50		
2	12.50	3	12.50
4	12.50	Avg	12.50

Weight Per Foot 1.07

Lab Temperature 75

Lab Humidity 50%

Stiffness Pre-Load 5 lbs

5 % Deflection 59.89

Flattening 20% Deflection Pass X Fail

Length

Brittleness

1	Pass	P	Fail	4	Pass	P	Fail
2	Pass	P	Fail	5	Pass	P	Fail
3	Pass	P	Fail	6	Pass	P	Fail

90 Degree

Test Number 060115 1002

Resin Car Number 120760BD

Carbon Black Lot Number 5787TB

Carbon Black % Inner Liner

% CB	% CB	Average
#Num!	#Num!	#Error

Workmanship Markings Pass X Fail

Inside Diameter

1	6.05
2	6.05
Avg	6.05

Liner Thickness

1	0.020	5	0.028
2	0.028	6	0.034
3	0.036	7	0.037
4	0.040	8	0.041
Average		0.0330	

Measured By Ultrasonic / Micrometer X

Outside Diameter 7.05

Sample Length

1	12.50		
2	12.50	3	12.50
4	12.50	Avg	12.50

Weight Per Foot 0.92

Lab Temperature 75

Lab Humidity 50%

Stiffness Pre-Load 5 lbs

5 % Deflection 51.14

Flattening 20% Deflection Pass X Fail

ESCR

1	Pass P	Fail	
2	Pass P	Fail	
3	Pass P	Fail	
4	Pass P	Fail	

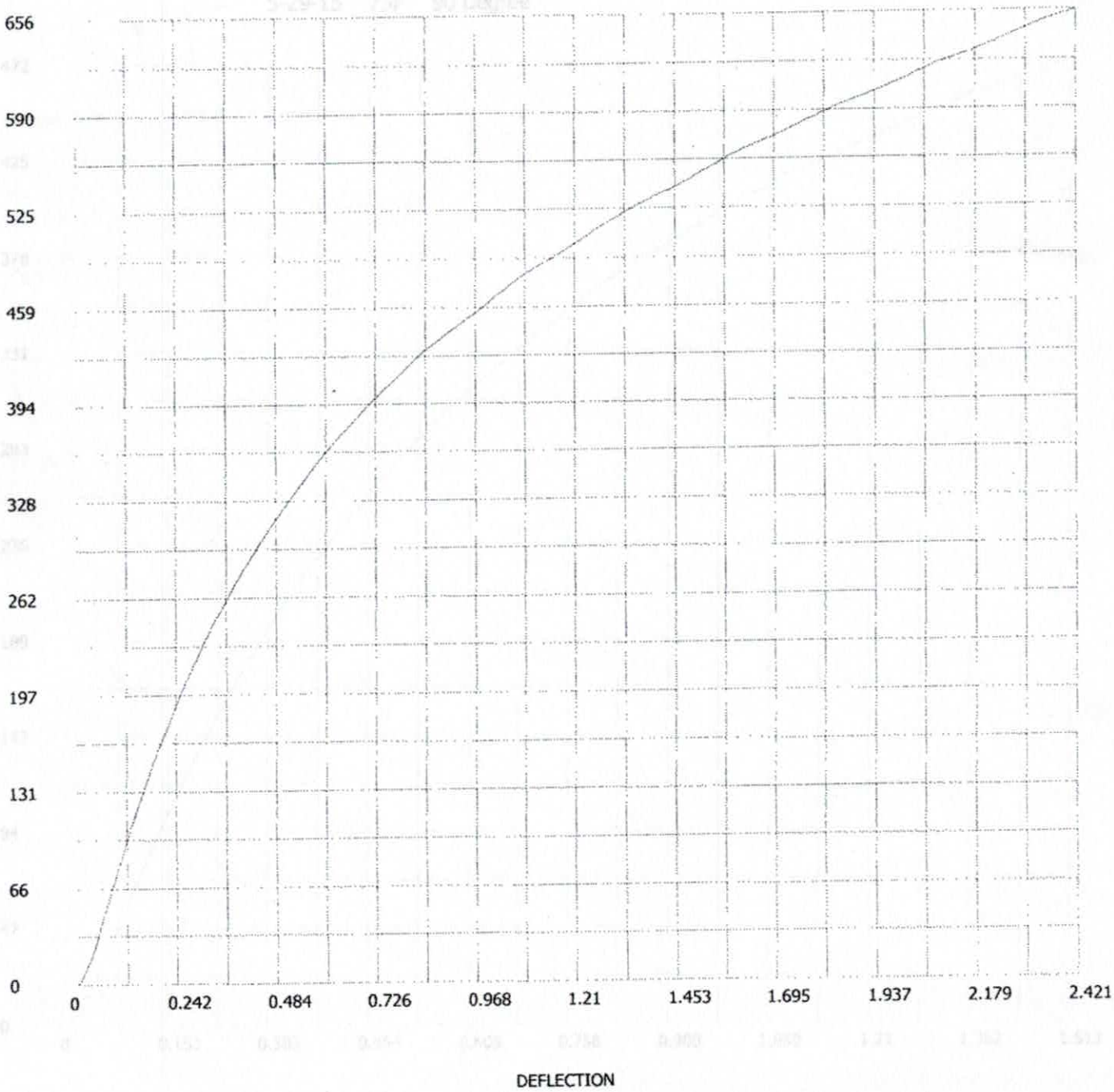
Perforations - Class II

Slot Length		Number of Row	Water Inlet Area (In2/ft)
Slot Width		Slots per Foot	

Comments * All Samples Have Been Tested In Accordance With Specifications and All Requirements Were Met

Brian Chestnut
Quality Assurance Manager

File Name	060115_0951.ltr				
Sample Name	6 Inch DW Pipe HD100EC				
Sample O.D.	7.05	in.			
Sample I.D.	6.05	in.			
Sample Length	12.5	in.			
Deflection Points	%	5 %	10 %	20 %	40 %
F/D/L Results	0	59.89	47.63	33.17	21.68
Preload	5	lbs.			
Max Force	1800	lbs.			
Feed Rate in/min.	.50	in./min.			
Test Method	F/D/L				
Comments	Time 9:49 am Lot 120760BD				
	6-1-15 WPF 1.07				
	Sample 1 pm				
	5-29-15 75F 0 Degree				



IREDELL COUNTY

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

APPLICATION NUMBER
232285
Issue Date: 12/20/2017

ZONING PERMIT

Residential

Parcel Number	Street Address	Jurisdiction
4776722010.000	136 SWANN CROSSING LANE, STATESVILLE, NC	IREDELL COUNTY

Owner Information	Applicant Information
Owner: DAWKINS KELLY A	Applicant: MITCHELL, ROBERT R.
Address: C/O KELLY D BUMGARDNER 136 SWANN CROSSING LN STATESVILLE, NC 28625	Address: 104 STERLING TERRACE MOORESVILLE, NC 28115
Phone:	Phone: 732-233-6342

Use Requested	Zone Code
24X24 ATTACHED GARAGE	RA

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
.535	35.00	35.00	15.00	15.00	NOT	X

Remarks:

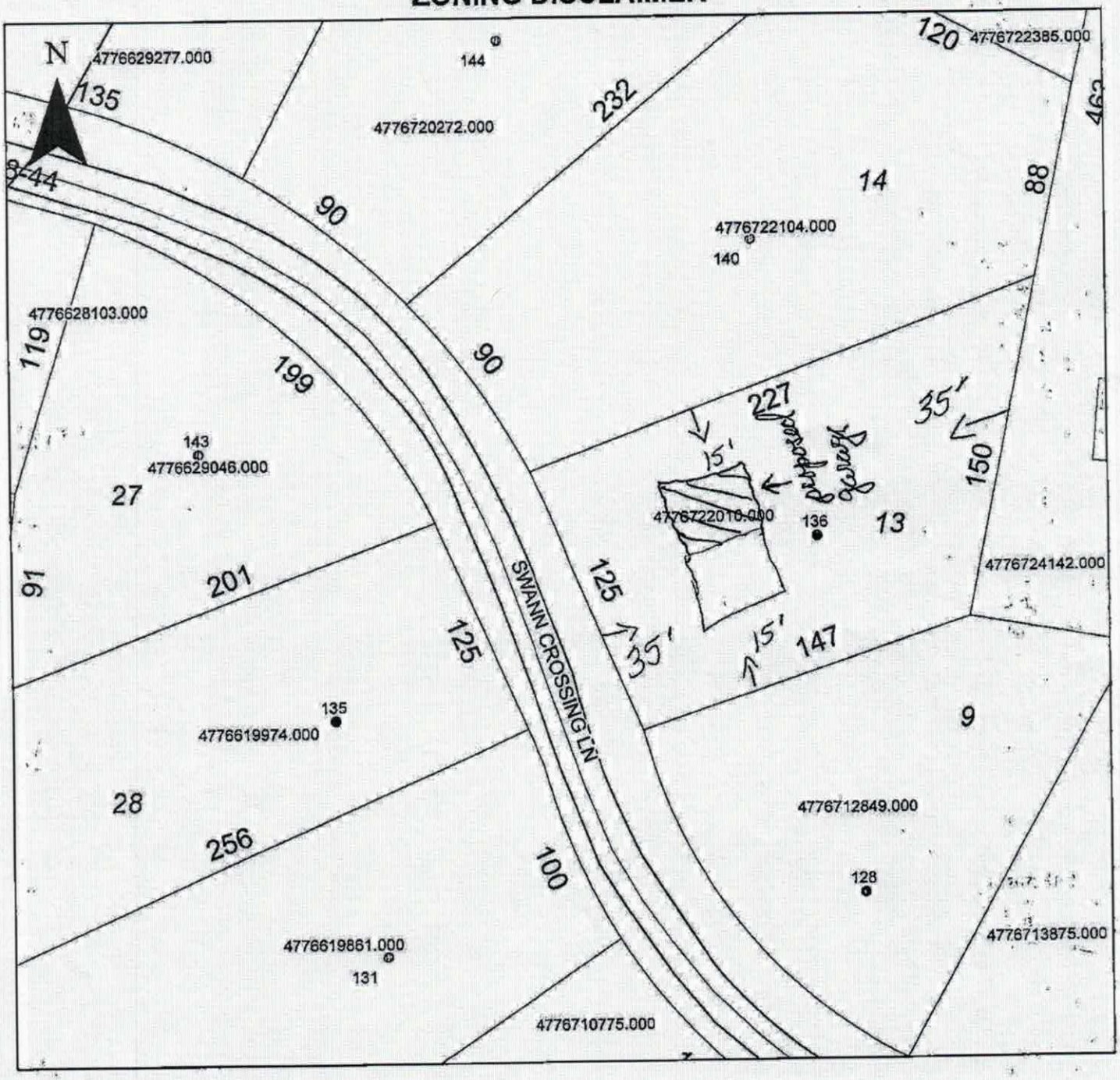
The applicant certifies that there are no deed restrictions, contractual agreements or governmental regulations of any kind that interfere with or prohibit the use of the property or the use for which this permit is requested. The applicant further acknowledges that enforcement of deed restrictions, 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	124075	TOTAL FEES:	$ 77.25

232285
124062

ZONING DISCLAIMER



Property Address 136 Swann Crossing Ln.

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.

Robert Ross Mitchell
Applicant

12/20/17
Date