IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 | Mooresville Office (704) 660-3625 | PERMIT # 242950

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

PIN # 4776628311

APPLICANT/OWNER: Colby Lewis | APPLICANT ADDRESS: 1796 Old Mocksville Rd 28625

SITE ADDRESS: 156 Swann Crossing Ln Statesville NC 28625 | PHONE: 704 437-2850 | ALT. PHONE

SITE DIRECTIONS: 64 E L on Swann Rd L on Swann Crossing Lot on R | SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Swann Crossing | SECTION: P3 | LOT # 17 | LOT AREA: 0.61 | DESIGN FLOW: 360 gpd | L.T.A.R.: .25

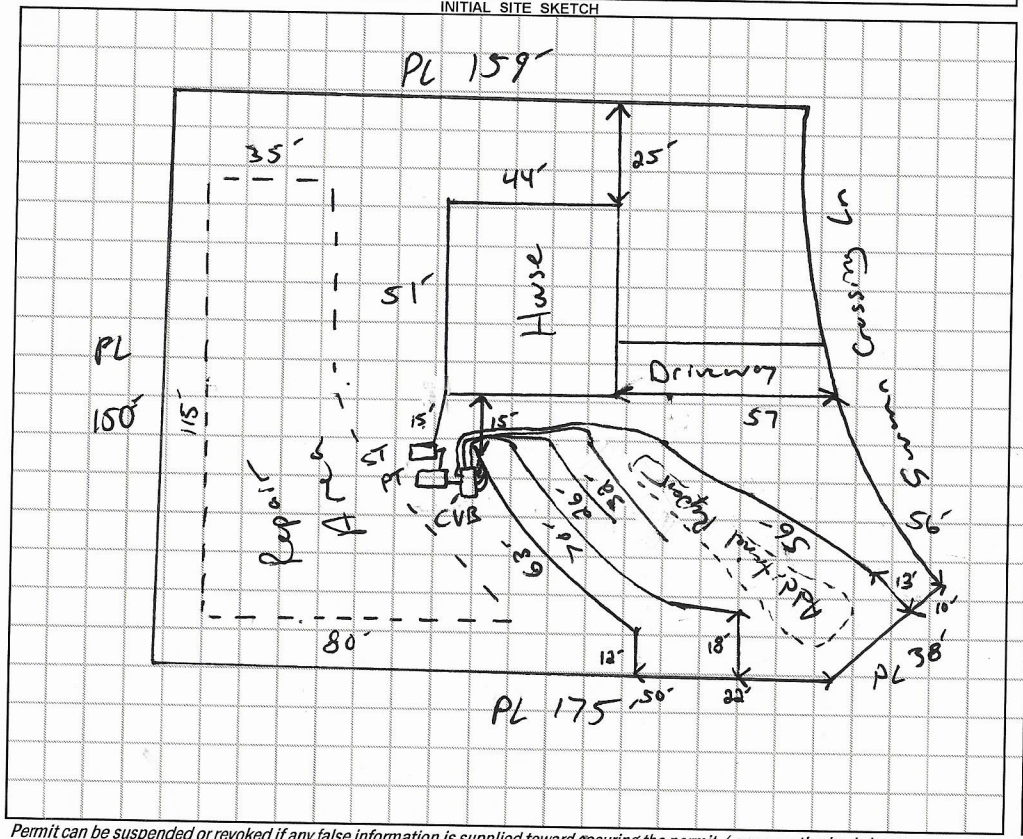
Septic Tank	1000 (gal)	STB	1012	Date	9-24-19	☒ New System ☐ Repair ☐ Expansion	System Type: I II III (IV) V VI	☒ Residence	No. Bedrooms 3
Pump Tank	1000 (gal)	PT	PPF-100	Date	4-27-19	System Description:	50% LP PPBBS	☐ Business	No. Persons 6
Pump Make		Model		Serial #		Repair System Description:	50% LP PPBBS	☐ Other	No. Employees
# Nitrification Fields	1	# Lines	5	Linear Ft	240'	Maintenance Agreement Required:	☒ YES ☐ NO	☐ Slab	☒ Crawl Space
Trench Width	24"	Trench Bottom Depth(Low side)	30"	Gravel Depth	—		☐ GRAVITY ☒ PRESSURE	☐ Basement w/plumbing	☐ Basement w/o plumbing

Water Supply: ☐ Private ☒ Public ☐ Community

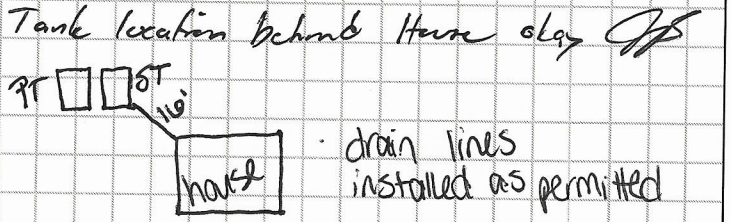
Comments / Conditions: Install Drainlines on contour of land use
Central Valve box for distribution.

198 gallon dose — Pressure Head to be Set @ 2ft.
9.4 Inch drawdown — Use Inline Pump Filter
Hole Size 5/32 — Must use anti Siphon hole

INITIAL SITE SKETCH



AS BUILT SKETCH



	Date	Initials
Drain Lines Checked	9-27	CC
Tanks Checked	9-27	CC
Pressure Manifold or Valve Box Checked	9-27	CC
Pressure Head Set	10-4	BCW
Electrical Checked	10-4	BCW
Floats Set	10-4	BCW
Alarm Checked	10-4	BCW
Maintenance Contract Y / N	10-7	CC

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: Colby Lewis | Date: 4-8-19 | Installed by: Steve Jordan

IMPROVEMENT PERMIT by: | Date: 4-8-19 | OPERATION PERMIT by: Carla C. Cave | Date: 10-7-19

AUTHORIZATION TO CONSTRUCT by: Carla C. Cave | Date: 4/23/19 | Existing System Inspected by: | Date:

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

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

Sheet 1 of 2
PROPERTY ID #: 4776628311
COUNTY: Iredell

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

OWNER: Colby Lewis
ADDRESS: 1796 Mocksville Rd 28625
PROPOSED FACILITY: Home
PROPOSED DESIGN FLOW (.1949): 360gpd
LOCATION OF SITE: 156 Swanna Crossing
APPLICATION DATE 3-15-19
DATE EVALUATED: 3-28-19
PROPERTY SIZE: 0.61
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)		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	CC SS 3-4%	0-12	SBk SCL	Fr SS SP Serp	N/A	48"+	N/A	N/A	PS .25
		12-48	ABk C	Fr SS SP Serp					
2	CC SS 5-6%	0-8	SBC SCL	Fr SS SP Serp	N/A	48"+	N/A	N/A	PS .25
		8-18	SBk C	Fr SS SP Serp					
		18-48	SBk CL	Fi SS SP Serp					
3	CC SS 3-4%	0-8	SBk SCL	Fr SS SP Serp	N/A	48"+	N/A	Rock Inc @ 36"	PS .25
		8-36	SBk C	Fr SS SP Serp					
		36-48	SBk CL	Fi SS SP Serp					
4	CC SS 3-4%	0-9	SBk SCL	Fr SS SP Serp	N/A	48"+	N/A	N/A	PS .25
		9-36	SBk C	Fr SS SP Serp					
		36-48	SBk CL	Fi SS SP Serp					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	240'	240'
System Type(s)	50%	50%
Site LTAR	.25	.25

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS .25
EVALUATED BY: Bass
OTHER(S) PRESENT:

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

Sheet 2 of 2

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

PROPERTY ID #: 4776628311
DATE OF EVALUATION: 5-28-19
COUNTY: Iredell

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
5	CC SS 3-42	0-22	SBK SCL	Fr SS SP Sexp	N/A	48-	N/A	N/A	PS .25
		22-35	SBK C	Fr SS SP Sexp					
		35-48	ABK CL	Fr SS SP Sexp					

COMMENTS:

Updated February 2014

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope) CV (Convex Slope) D (Drainage Way) DS (Debris Slump) FP (Flood Plain) FS (Foot Slope) H (Head Slope) L (Linear Slope) N (Nose Slope) R (Ridge) S (Shoulder Slope) T (Terrace)	I	S (Sand) LS (Loamy Sand)	1.2 - 0.8	0.6 - 0.4	SEXP (Slightly Expansive) EXP (Expansive)	G (Single Grain) M (Massive) CR (Crumb) GR (Granular) SBK (Subangular Blocky) ABK (Angular Blocky) PL (Platy) PR (Prismatic)
	II	SL (Sandy Loam) L (Loam)	0.8 - 0.6	0.4 - 0.3		
	III	Si (Silt) SiCL (Silty Clay Loam) CL (Clay Loam) SCL (Sandy Clay Loam) SiL (Silt Loam)	0.6 - 0.3	0.3 - 0.15		
					MOIST	**WET**
	IV	SC (Sandy Clay) SiC (Silty Clay) C (Clay) O (Organic)	0.4 - 0.1	0.2 - 0.05	VFR (Very Friable) FR (Friable) FI (Firm) VFI (Very Firm v. Very Sticky) EFI (Extremely Firm)	NS (Non-sticky) SS (Slightly Sticky) S (Sticky) VS (Very Sticky) NP (Non-plastic) SP (Slightly Plastic) P (Plastic) VP (Very Plastic)
		None	None			

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

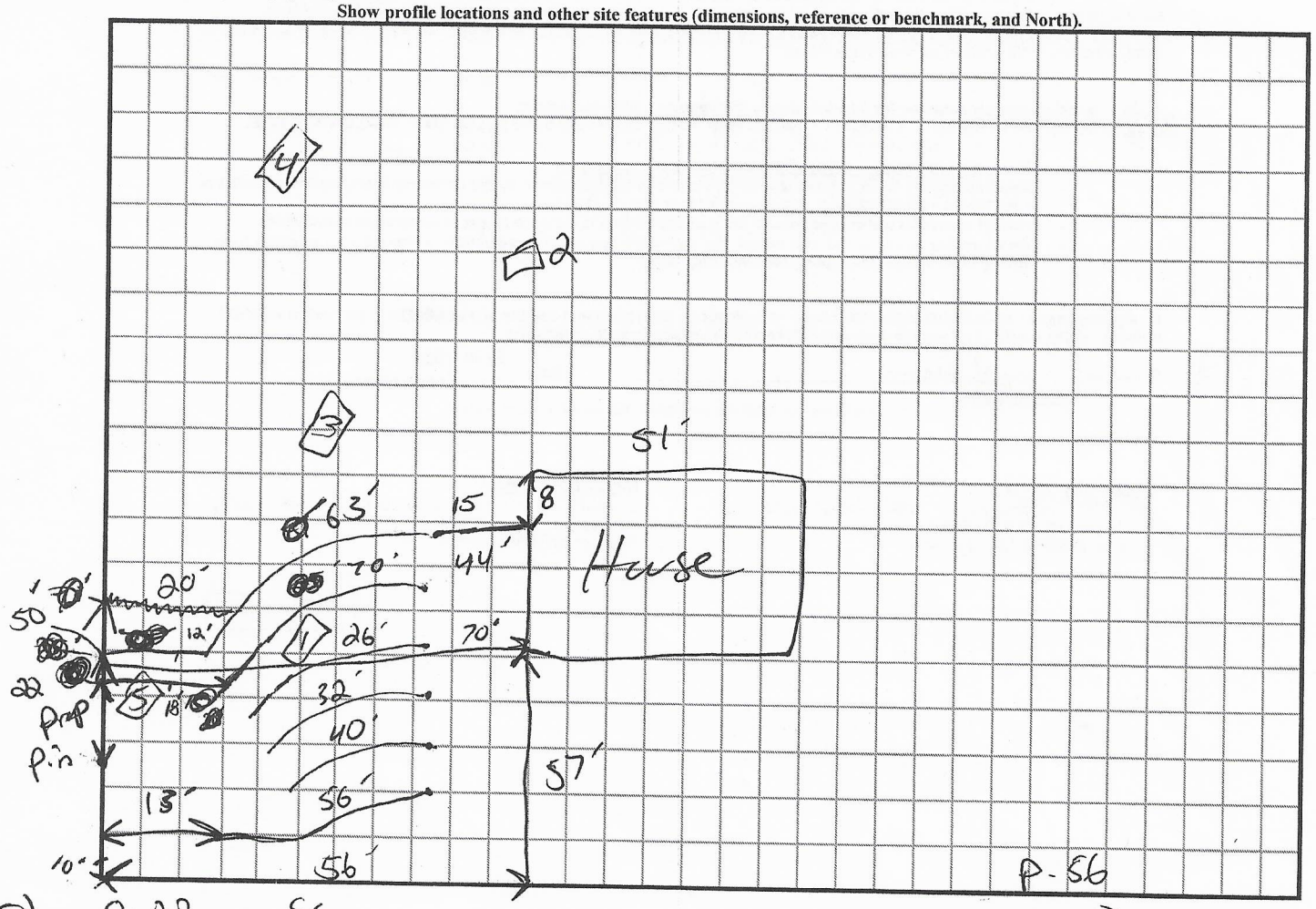
NOTES

HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
CLASSIFICATION	S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft^2

Show profile locations and other site features (dimensions, reference or benchmark, and North).



5) 0-22 SC
22-35 C SBL
3-4% 35-48 CL ABL

PS .25

P-56
0-40
P-32
0-26
W- 70
R 63

RECEIVED MAR 15 2019

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM

#242950 Paid $500.00

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: (PRINT CLEARLY)

Applicant Name: Colby Lewis **Address:** 1796 old Mocksville R **Zip:** 28625
Applicant Email: crlewis97@yahoo.com **Phone:** 704-437-2850 **Alt. Phone:** _____
Owner Name: _____ **Address:** _____ **Zip:** _____
Owner Email: _____ **Phone:** _____ **Alt. Phone:** _____

Property Information:

Street Address: 156 Swann Crossing Ln. Statesville 28625
Subdivision Name: Swann Crossing **Section/Phase:** _____ **Lot Number:** 17
Driving Directions: 64 east towards Cool Spring Rd. Swann on Left then Swann Crossing on Left

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

(✓) New Single Family Residence
( ) New Multi-Family Residence
( ) Accessory Building
( ) Bedroom(s) Addition
( ) Repair to failing septic system ___ Tank ___ Drain lines Describe Problem: _____
Maximum Number of Bedrooms: 3
Maximum Number of Occupants: 4
( ) Swimming Pool
( ) Other Addition/Structure: _____
Non-Residential Site Development: Type of Business: _____
Square Footage of Building: 1450 Max. Number of Employees: _____ Max. Number of Seats/Beds/Other: _____

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 ( ) 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: Colby Lewis 3/15/19
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

Colby Lewis 4/23/19

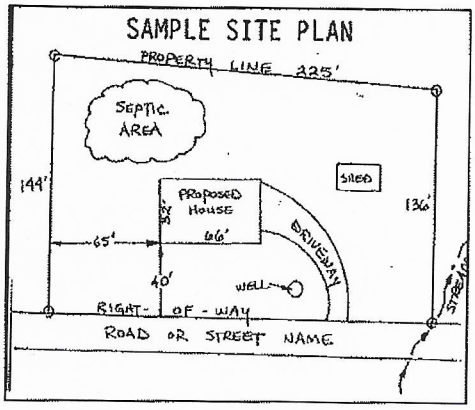
IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

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
- ( ) Preferred well location
- (X) Preferred septic system location
- ( ) North arrow, or other sufficient indicator of direction

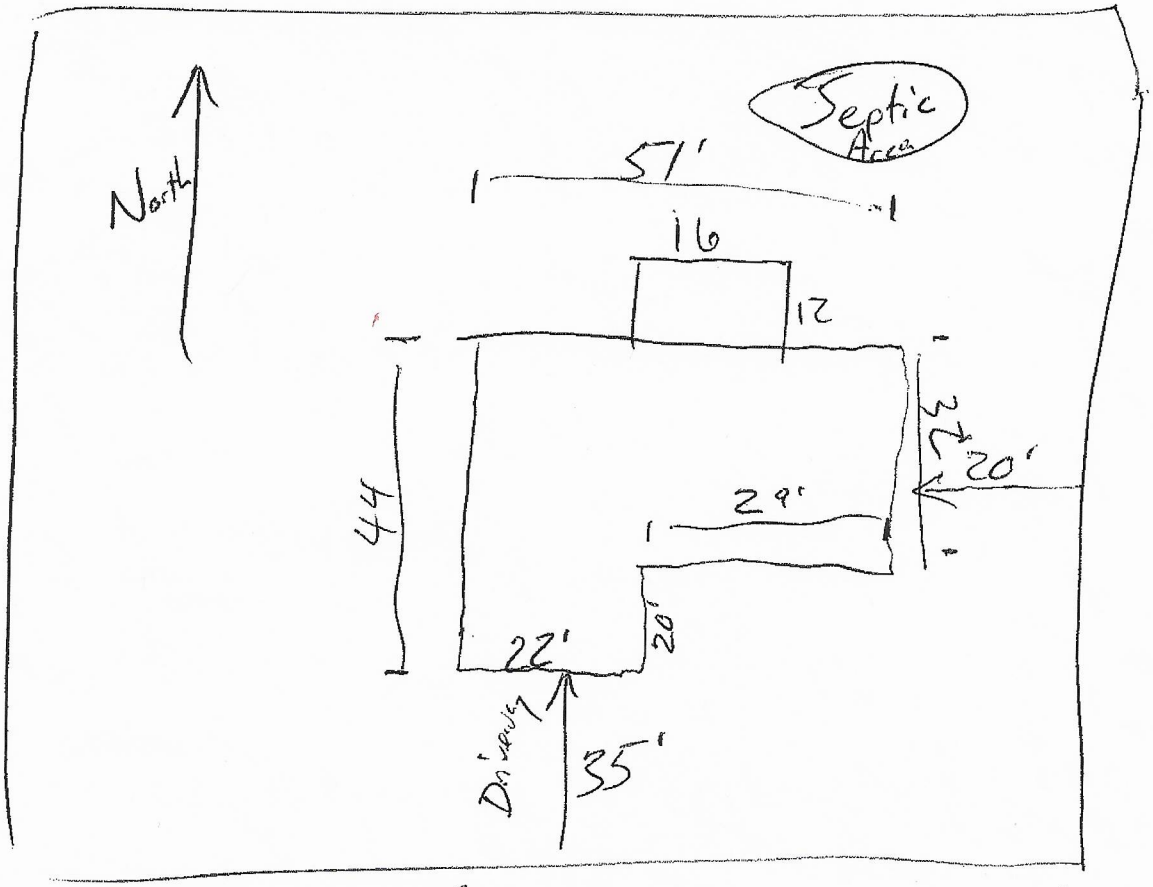


Circle N/A on the following if appropriate:

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



Signature: Cally Lee

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

3/15/19

DATE

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

DOCUMENTATION TO AUTHORIZE AN OWNER'S LEGAL REPRESENTATIVE

(Check and sign only ONE of the options below)

1. *** APPLICANT AND OWNER ARE THE SAME. *** (*Sign here*) Colby Lewis

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.

2. I, Colby Lewis, am the legal owner(s) of the property located at 156 Swann Crossing Ln., identified as

PIN (Parcel Identification Number)_____, located in Iredell County, North Carolina.

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

Colby Lewis — Signature of Owner(s)

3/15/19 — Date

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

Acknowledgement Of
Plans Submittal ONLY!
Carl C. Cline Date 4/23/19
Colby Date



IREDELL COUNTY

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

APPLICATION NUMBER
242950
Issue Date: 03/15/2019

ZONING PERMIT

Open Space

Parcel Number	Street Address	Jurisdiction
4776628311.000	156 SWANN CROSSING LANE, STATESVILLE, NC	IREDELL COUNTY

Owner Information	Applicant Information
Owner: VANTAGESOUTH BANK	Applicant: PIEDMONT HOMES
Address: 206 HIGH HOUSE RD SUITE 100	Address: 1796 OLD MOCKSVILLE RD
CARY, NC 27513	STATESVILLE, NC 28625
Phone:	Phone: 704-437-2850

Use Requested	Zone Code
SFD	RA

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
.612	35.00	35.00	15.00	15.00	NOT	X

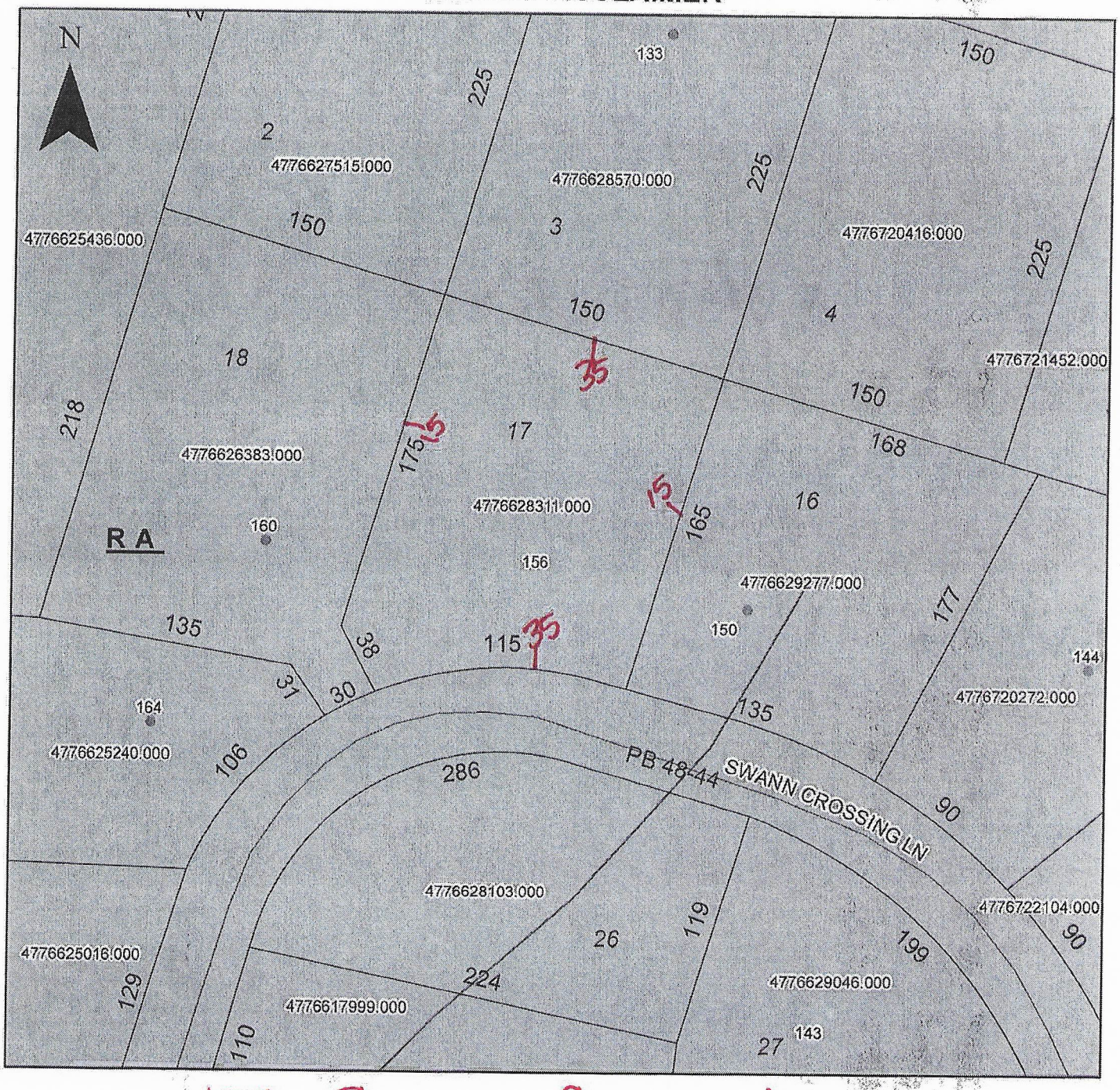
Remarks:

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	170790	TOTAL FEES:	$ 77.25

ZONING DISCLAIMER



Property Address 156 Swann Crossing Lane

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

3/15/19
Date