CW

ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT # OSWP-2022-9321

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

PIN # 4654 -- 28 -- 9444

APPLICANT/OWNER: LENTZ WASTEWATER / KENT PHILLIPS APPLICANT ADDRESS: 463 LENTZ ROAD, STATESVILLE, N.C 28625

SITE ADDRESS: 133 SWAN LAKE ROAD, MOORESVILLE, N.C. 28115 PHONE: 517-630-1007 ALT. PHONE 980-829-3278

SITE DIRECTIONS: (S) ON 115, (L) ON MIDWAY, (R) ON SWAN LAKE, LOT ON (L) SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: JG KENNERLY SECTION: 2 LOT # 106 LOT AREA: 0.7 AC DESIGN FLOW: 360GPD L.T.A.R.: 0.3

Septic Tank	1000	(gal)	STB	760	Date	2-14-23	New System ☐	Repair ☑	Expansion ☐	System Type: I II III IV V VI	☑ Residence	No. Bedrooms	3	Water Supply
Pump Tank	–	(gal)	PT	–	Date	–	System Description:	EXT			☐ Business	No. Persons	6	☑ Private EXT
Pump Make	–	Model	–		Serial #	–	Repair System Description:	50 % REDUCTION - HORIZONTAL PPBPS			☐ Other	No. Employees	–	☐ Public
# Nitrification Fields	1	# Lines	5		Linear Ft	200 FT	Maintenance Agreement Required:	☐ YES	☑ NO		☐ Slab	☑ Crawl Space		☐ Community
Trench Width	36 IN	Trench Bottom Depth(Low side)	18 IN		Gravel Depth	–	☑ GRAVITY	☐ PRESSURE			☐ Basement w/plumbing	☐ Basement w/o plumbing		

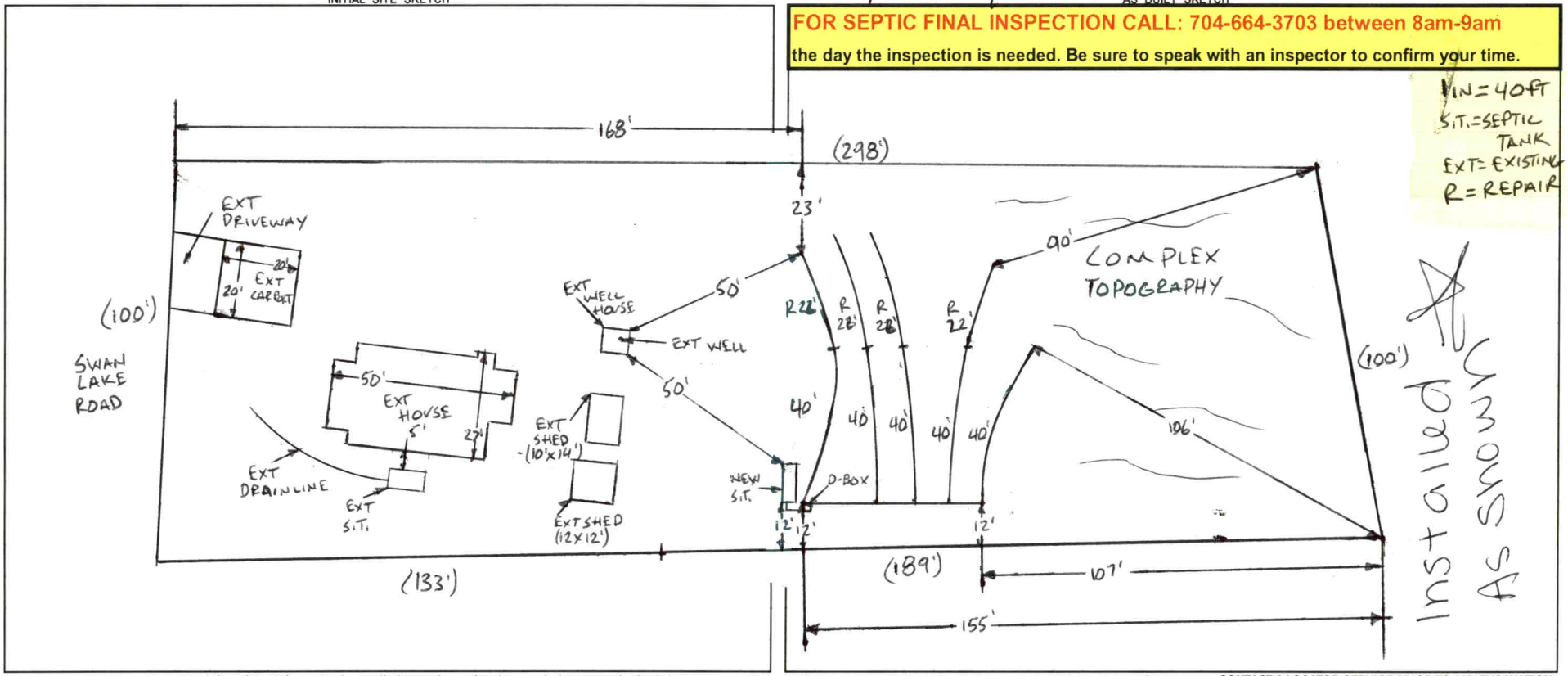
Comments / Conditions: INSTALL ON CONTOUR, INSTALL ON 9FT, UTILIZE SERIAL DISTRIBUTION, DO NOT EXCEED A 24IN MAX TRENCH BOTTOM, PUMP, CRUSH, AND FILL EXISTING SEPTIC TANK.

INITIAL SITE SKETCH

Connect kitchen sink, all plumbing to septic system for OP

AS BUILT SKETCH

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 time.



VIN = 40FT
S.T. = SEPTIC TANK
EXT = EXISTING
R = REPAIR

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: O.S. Date: – Installed by: Lentz

IMPROVEMENT PERMIT by: Burnett C. White Date: 1-6-2022 OPERATION PERMIT by: Sydney Holland Date: 4/18/23

AUTHORIZATION TO CONSTRUCT by: Burnett C. White Date: 1-6-2022 Existing System Inspected by: Date:

FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-9am the day the inspection is needed.

Item	Date	Initials
Drain Lines Checked		
Tanks Checked		
Pressure Manifold or Valve Box Checked		
Pressure Head Set		
Electrical Checked		
Floats Set		
Alarm Checked		
Maintenance Contract Needed? Y / N		
Comments:		

Repairs Only	
	State Code
Failing System Code	
Type of Distribution	G or P
Type of Failure/Malfunction	
Primary Cause of Failure/Malfunction	
Age of System? _____	
Initial or Repair? _____	

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

Sheet 1 of 1
PROPERTY ID #: 4654-22-9448
COUNTY: IREDELL

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

OWNER: KENT PHILLIPS
ADDRESS: 463 LENTZ ROAD, STATESVILLE, N.C. 28625
PROPOSED FACILITY: 3BR EXT
PROPOSED DESIGN FLOW (.1949): 360GPD
LOCATION OF SITE: 133 SWAN LAKE ROAD, MOORESVILLE, N.C. 28115
WATER SUPPLY: ✓ Private Public ✓ Well Spring Other
EVALUATION METHOD: ✓ Auger Boring Pit Cut
TYPE OF WASTEWATER: ✓ Sewage Industrial Process Mixed

APPLICATION DATE: 11-14-2022
DATE EVALUATED: 12-30-2022
PROPERTY SIZE: 0.7 AC
PROPERTY RECORDED: YES

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	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	LINEAR SIDE 10%	0-18	C, SBK	FR, S, P, SEXP	SAP INC THRU OUT	36"	PS II L	NA	PS .35
		18-36	CL, WSBK	FR, SS, SP, SEXP					
		36-48	SAP, MAS	FR, NS, NP, SEXP					
2									
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	~~PS~~	PS
System Type(s)	—	25%
Site LTAR	—	0.3

OTHER FACTORS (.1946): PS
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Burnett C. White
OTHER(S) PRESENT:

COMMENTS:

LEGEND

use the following standard abbreviations

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

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

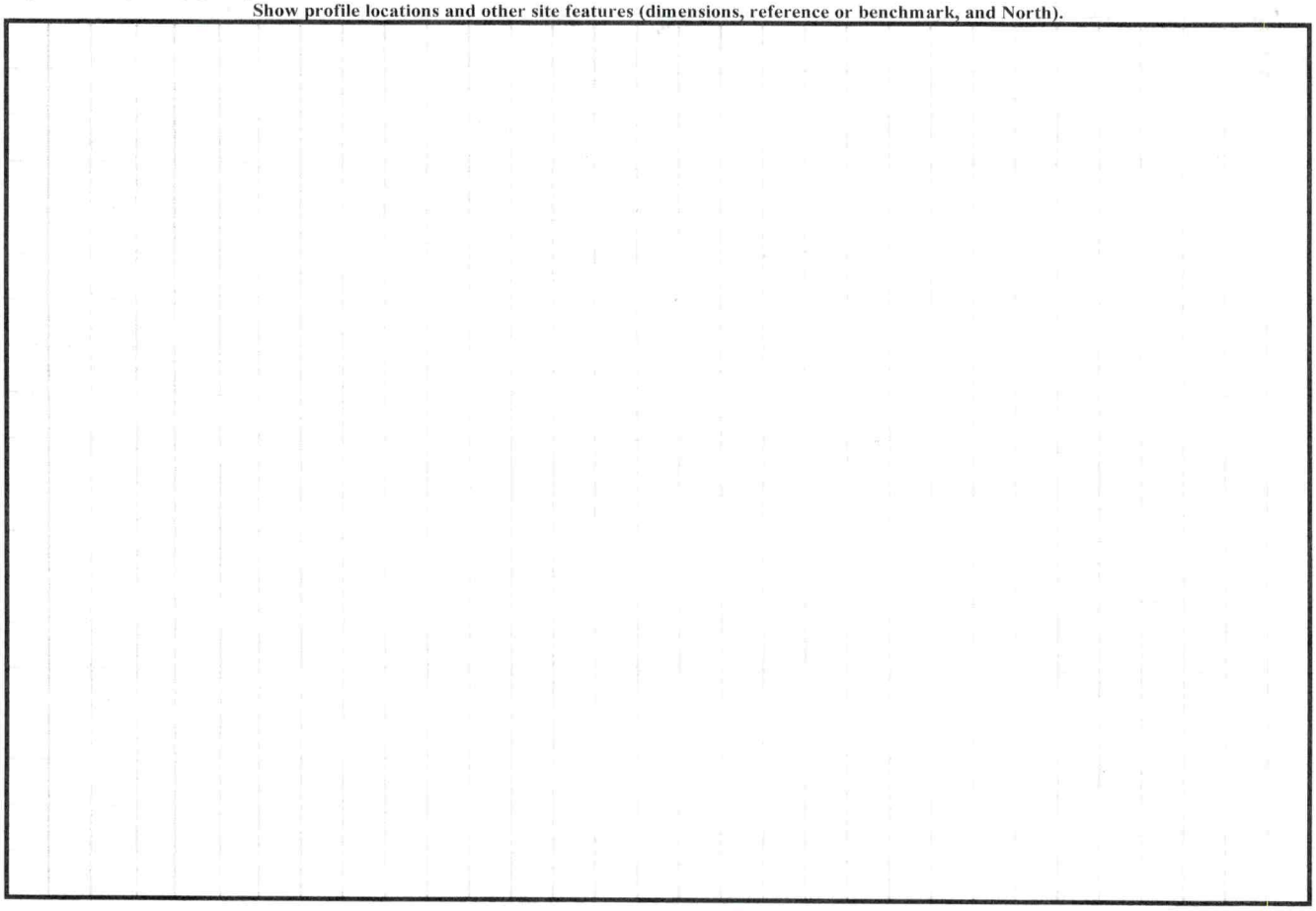
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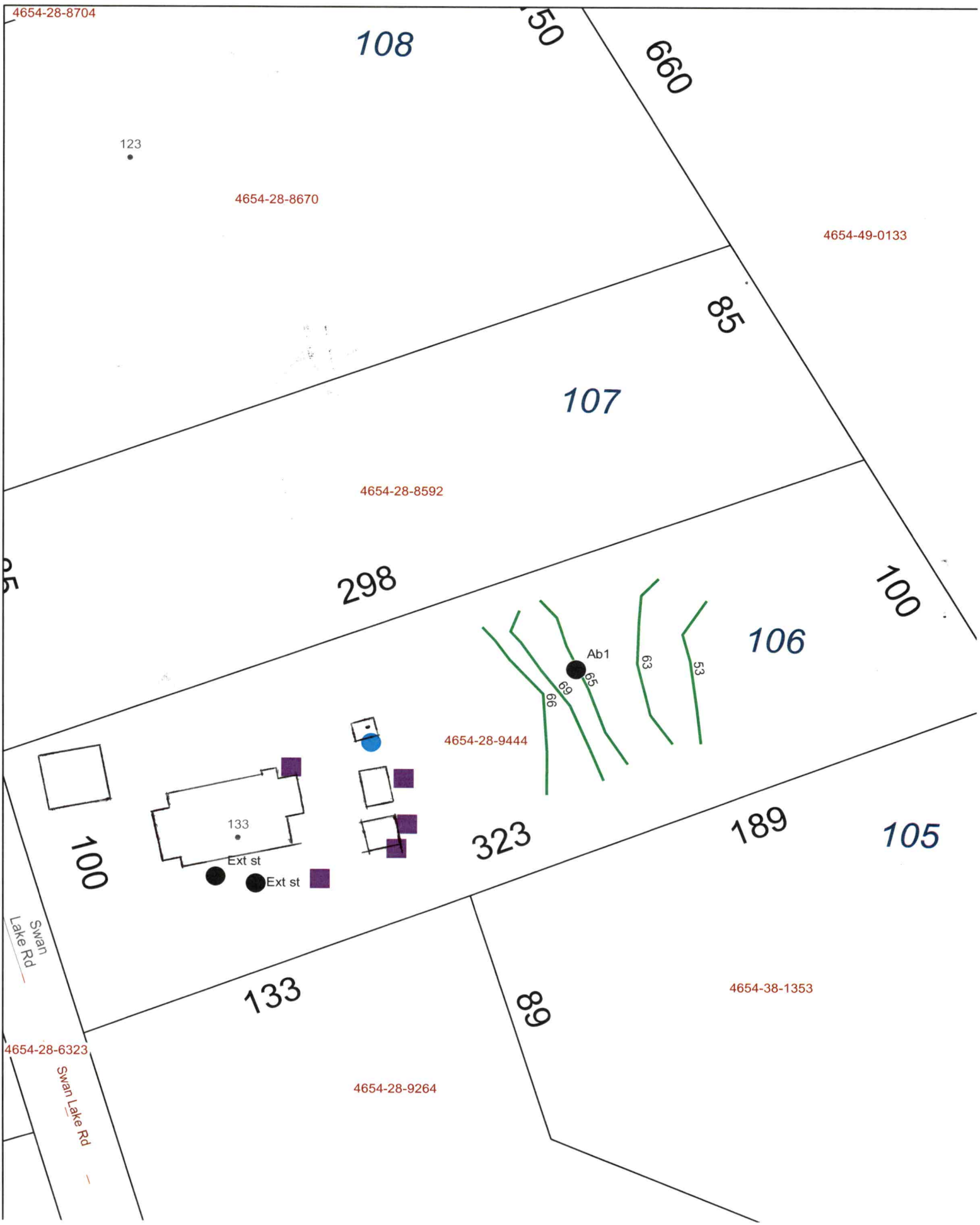
HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or 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).




4654-28-8704
108
50
660
123
4654-28-8670
4654-49-0133
85
107
4654-28-8592
298
100
106
Ab1
65
69
66
63
53
4654-28-9444
133
Ext st
Ext st
100
323
189
105
Swan Lake Rd
133
89
4654-38-1353
4654-28-6323
Swan Lake Rd
4654-28-9264

PERMIT SNAPSHOT REPORT OSWP-2022-9321 FOR IREDELL COUNTY

Permit Type Environmental Health OSWP
Work Class: EH Septic Improvement Permit Repair
Status: PRIORITY PERMIT
Valuation: $0.00

Project:
District: Iredell County
Square Feet: 0.00
Assigned To: White, Bryant

App Date: 11/14/2022
Exp Date: NOT AVAILABLE
Completed: NOT COMPLETED
Approval Expire Date:

Description: Septic tank has been compromised and a portion of the tank has fallen in. Parts of the drain field contain cement tile which is in poor condition.

Parcel: 4654289444.000 Main

Address: 133 Swan Lake Rd Main
Mooresville, NC 28115

Zone: RA(Residential Agricultural District)

Applicant/Authorized Agent
Lentz Wastewater
Business: (980) 829-3278

Property Owner
Kent Phillips
Home: (517) 630-1007

Applicant/Authorized Agent
Jeanie Lentz
463 Lentz Road
Statesville, NC 28625

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Does the site contain any jurisdictional wetlands	No	Non-domestic Sewage Generated	No
Other Public Agency	No	Maximum Number of Bedrooms	3	Number of Occupants	2
Foundation Type	Crawl Space Foundation	Water Supply	Existing Well	Desired Septic System Type	No Preference
If other septic system type, please explain		If existing, Year existing system installed	1950	Additional Unique Setbacks Apply	No

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Jeanie_Lentz_11/14/2022.jpg	11/14/2022 15:41	Lentz, Jeanie		Uploaded via CSS
133 Swan Lake Road-site plan_v1.pdf	11/17/2022 8:44	Nebel, Barbara	Available Online	Site Plan
133_Swan_Lake_Rd__-_Authorize_Legal_Representative-kentgphillips_hotmail.com_v1.pdf	11/17/2022 8:44	Nebel, Barbara	Available Online	Authorize to Act as Agent

Invoice No.	Fee	Fee Amount	Amount Paid
NOT INVOICED	Existing System Septic Repair Evaluation	$0.00	$0.00
	Existing System Septic Repair Permit	$150.00	$0.00
	Total for Invoice NOT INVOICED	$150.00	$0.00
	Grand Total for Permit	**$150.00**	**$0.00**

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		11/17/2022 0:00	11/17/2022 8:44
Confirm application complete v.1	Generic Action		11/17/2022 8:44
~~Zoning Review v.1~~			11/17/2022 8:47
~~Iredell County Zoning Approval v.1~~	Task		11/17/2022 8:47
~~Issue Invoice v.1~~	Generic Action		11/17/2022 8:47
~~Fees Paid v.1~~	Generic Action		11/17/2022 8:47
Assign v.1			
Case Assigned v.1	Generic Action		
Lot Readiness Verification v.1			
OSWP Septic Preliminary Site Visit v.1	Inspection		
OSWP Site Evaluation v.1	Inspection		
Permit Ready v.1			
Issue Permit v.1			

Issue Invoice v.1	Generic Action
Fees Paid v.1	Generic Action
Issue Permit v.1	Generic Action
Environment Health Inspections v.1	
Operation Permit Inspection v.1	Inspection



Address: 133 Swann Lake Rd
Current HO: Kent Phillips **HO #:** 517-630-1007
# of Bed: 2 **# of Occupants:** 2
Foundation Type: Crawlspace Slab B/WP B/WOP
Water supply: Public Well **Other:** _____
Year Installed: 1950

CONNECTGIS WEB HOSTING

North Carolina Iredell County

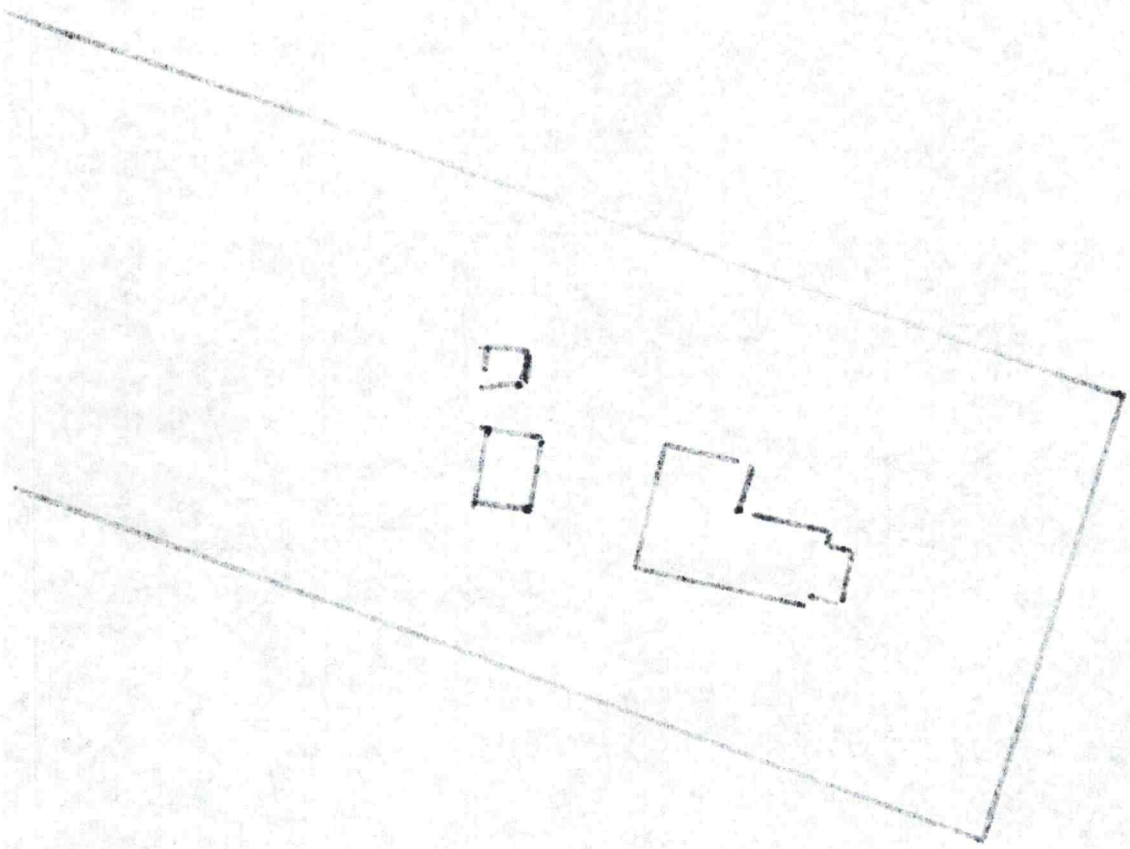
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Search



Excel 2000/2003

	Address	City	State	Zip	Street Name
1	133 SWAN LAKE RD	MOORESVILLE	NC	28115	SWAN LAKE



RECEIVED MAY 16 2022

APPLICATION MUST BE FILLED OUT COMPLETELY & BE LEGIBLE OR IT WILL NOT BE PROCESSED

Repair Eval

Iredell County Health Department – Environmental Health Division

PAGE 1: *APPLICATION FORM* AP-328806

Application For: ( ) New Well Permit (x) 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: Khou Xiong Address: PO Box 1105, Hickory, NC Zip: 28603
Applicant Email: KX2004@GMAIL.COM Phone: 828.514.8216 Alt. Phone:
Owner Name: Lia Lor Address: 1411 20th ave pl ne, Hickory, NC Zip: 28601
Owner Email: kx2004@gmail.com Phone: 828.514.8216 Alt. Phone:

Property Information:

Street Address: 133 Swan lake rd, Mooresville, NC 28115
Subdivision Name: JG Kennerly Section/Phase: N2 Lot Number 106
Driving Directions: Take NC-115 south toward Davidson, Left onto Midway lake Rd, Right onto Swan lake, house on left.

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

CHECK FOUNDATION TYPE

( ) New Single Family Residence — Maximum Number of Bedrooms: 2 — (x) Crawl Space Foundation
( ) New Multi-Family Residence — Maximum Number of Occupants: 4 — ( ) Concrete Slab Foundation
( ) Accessory Building — ( ) Swimming Pool — ( ) Basement with Plumbing
( ) Bedroom(s) Addition — ( ) Other Addition/Structure: — ( ) Basement without Plumbing
(x) Repair to failing septic system x Tank ___ Drain lines Describe Problem: Lid of tank collapsed into tank
Non-Residential Site Development: Type of Business:
Square Footage of Building: 936 sqft Max. Number of Employees: Max. Number of Seats/Beds/Other:

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

( ) New Well (x) 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 (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.

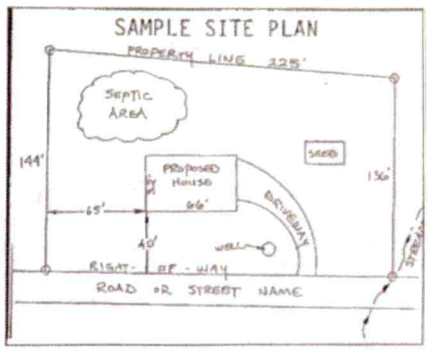
Signature: Lia Lor 05/11/2022
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

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:

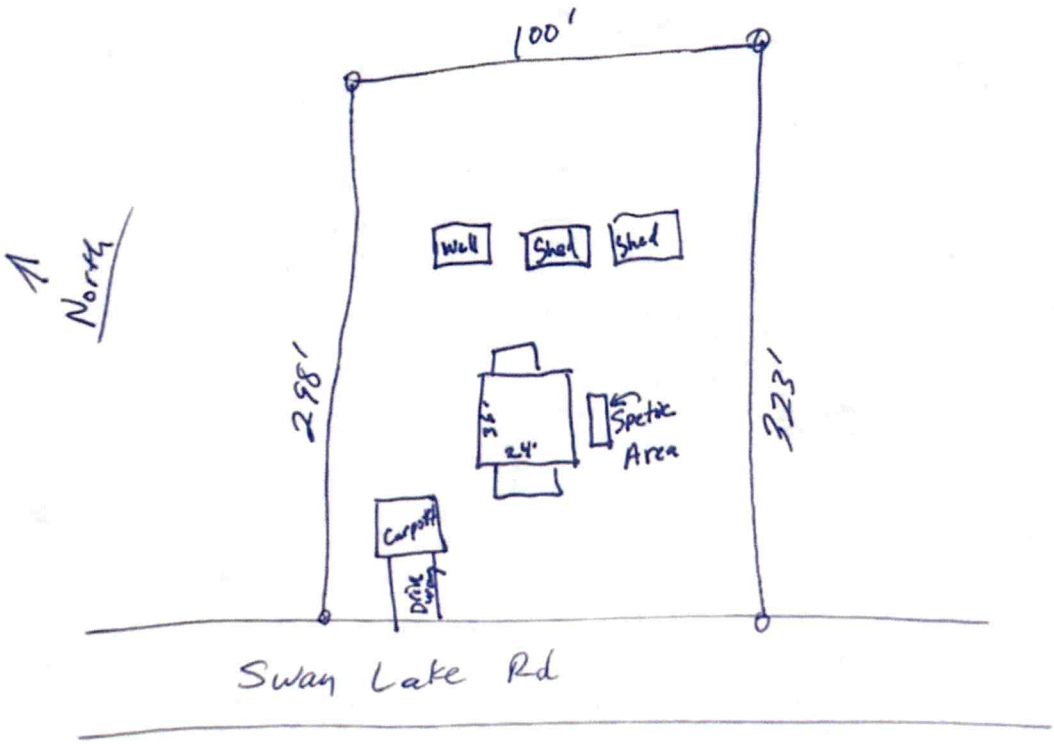
- (✓) Property Line measurements are clearly identified
- (✓) All proposed structures are indicated
- (✓) Front and side setbacks from property line
- (✓) Preferred driveway location and well location
- (✓) Area you prefer your septic system to be placed
- (✓) North arrow, or other sufficient indicator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



Signature: Lisa Lor

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

05/11/2022

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*)** _____

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, Lia Lor, am the legal owner(s) of the property located at 133 Swan Lake Rd, Mooresville, NC 28115, identified as PIN (Parcel Identification Number) 1702A01000B004, located in Iredell County, North Carolina.

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

Lia Lor
Signature of Owner(s)

05/11/2022
Date

Mooresville - Environmental Health
Fax: 704-662-3239
610 E. Center Avenue, Mooresville, NC 28115

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

Short Dev

ENVIRONMENTAL HEALTH REQUIREMENTS for SEPTIC and WELL PERMITS

The following items must be completed *PRIOR* to the *SUBMITTAL* of any Environmental Health Application. Incomplete applications will be returned to the applicant and cannot be processed or placed on the work list.

*** Initial all lines below to indicate you have submitted each form and completed every site requirement ***

Complete all Environmental Health forms:

- Application
- Site Plan including the dimensions of proposed structure, addition, pool etc.
- Documentation to Authorize Owner Agent (even if the property owner is the applicant – complete section 1 or 2)
- Copy of Zoning Permit when applicable
- Sign this sheet after you have completed all items

Lot must be cleared of heavy undergrowth. In order to evaluate the lot, the footprint of the proposed structure must be visible. Adequate area for the septic drain field and repair area must be sufficiently cleared of heavy undergrowth, with 50 feet of visibility in all directions. Inspectors must be able to evaluate the property, shoot laser level elevations, layout the drain field, do soils work, etc. **If the lot is not cleared sufficiently, then a $100 site revisit fee will be charged and the evaluation will be put on HOLD until the requirement is met.**

Clearly mark all property corners by locating existing iron or concrete markers. Flag all property lines every 25 feet if adjacent corners are not visible when standing on any given corner. Property lines must be flagged by a licensed NC surveyor & easily identified **prior to application submittal** (exception may apply for septic repair evaluations only). 'Mow lines' and/or fence lines do NOT constitute marked lines. **If the property lines are not properly marked when the lot is ready to be evaluated, then the application will be put on HOLD and a $100 site re-visit fee charged.**

Stake or flag the footprint of the proposed structure, addition, pool etc. to match the site plan submitted. The proposed structure, etc. must be staked out on the property as per the site plan.

If an Authorization to Construct (AC) is desired, submit a recorded copy of the plat for newly created or subdivided lot(s) and a LEGIBLE copy of the basic floor plan no larger than 8 ½" x 14" for each floor of the structure including decks, porches, etc. **The overall dimensions must be clearly noted & the rooms labeled.**

Any site not meeting the above requirements when staff arrives for the evaluation will result in a $100 site revisit fee being charged and the request being placed on HOLD. This will delay the processing of the application. *Once work by Environmental Health staff begins, the up-front fees paid toward securing any health department permit are nonrefundable. Refunds for work not started, due to a customer changing their mind or plans, are subject to an administrative fee of $50 to defray a portion of the costs of processing the refund.*

Backhoe pits are required for all applications that require a soils evaluation.
DO NOT DIG PITS UNTIL THE EH SPECIALIST HAS AUTHORIZED AND SCHEDULED YOUR EVALUATION TIME.

- **All utilities shall be marked before pits are dug. Call NC 811 for this service.**
- The applicant/agent is responsible for securing these services
- Backhoe pits are to be dug at the locations and depths determined by the Environmental Health Specialist or a NC Licensed Soil Scientist. A minimum of four pits must be dug.
- The EH specialist will contact you when your application is ready to be processed for pit scheduling.
- Your backhoe operator must be on site during the EH Specialist's evaluation to prevent your operator from having to return to the property for additional work.

By signing below, I am acknowledging the above specifications have been met and the site is READY to be evaluated AND I understand the backhoe pit requirement and will secure those services (if applicable).

Signature _____ **Date** 05/11/2022

Questions? Contact the Environmental Health Offices below:

Statesville Office
349 North Center Street (2nd Floor Building Standards)
Statesville, NC 28677-4063
Phone: (704)878-5305 ext. 3456

Mooresville Office
610 East Center Avenue (2nd Floor Govt. Center South)
Mooresville, NC 28115-2548
Phone: (704)660-3625