IREDELL COUNTY HEALTH DEPARTMENT

POB AP

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 313538

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

PIN # 4636253527

APPLICANT/OWNER: Derwina Felicia Cordell APPLICANT ADDRESS: 125 Pine Mist Dr Mooresville, NC 28117

SITE ADDRESS: 125 Pine Mist Dr. Mooresville, NC 28117 PHONE: 704575-8438 ALT. PHONE

SITE DIRECTIONS: Brawley School Rd TL Isle of Pines TL Pine Mist Dr on left SAP CONTROLLED: ☒ YES ☐ NO

SUBDIVISION: Whispering Oaks SECTION: LOT # 16 LOT AREA: .9 Acre DESIGN FLOW: 360gpd L.T.A.R.: .2

EXIST 2 DIST

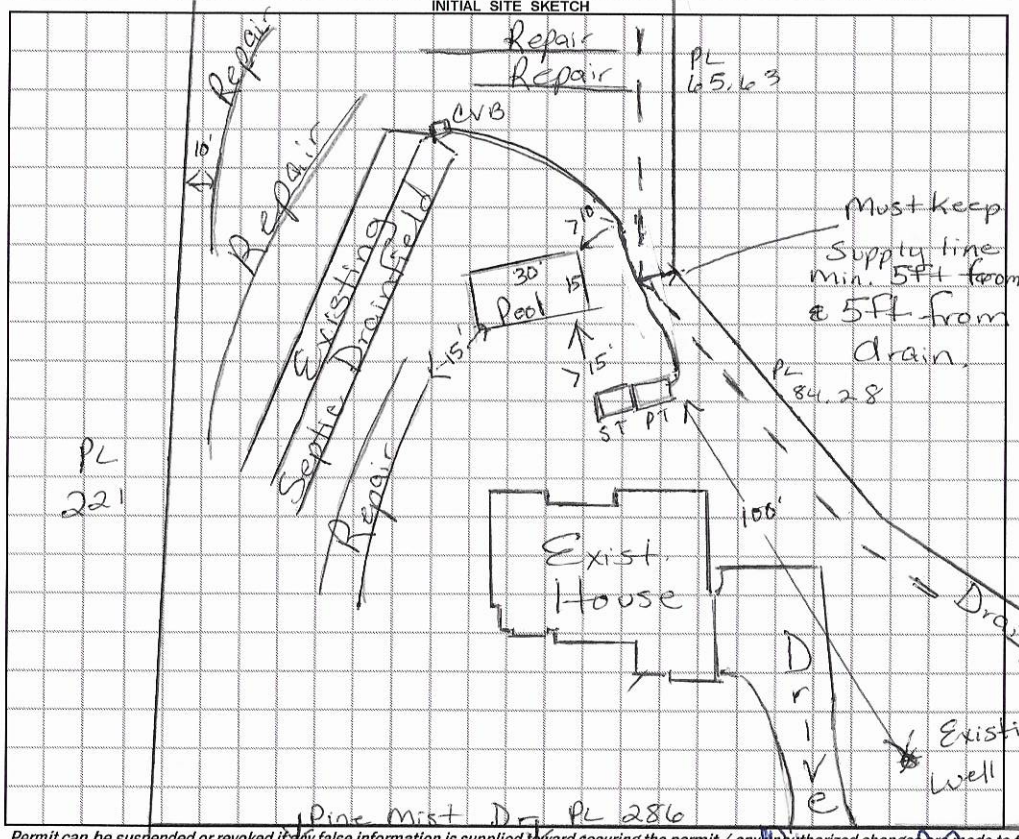
Septic Tank	1000 (gal)	STB	Date	☒ New System	☐ Repair	☐ Expansion	System Type: I II III IV V VI	☒ Residence	No. Bedrooms 3
Pump Tank	1000 (gal)	PT	Date	System Description: LP-Panel BIK				☐ Business	No. Persons 6
Pump Make		Model	Serial #	Repair System Description: Same				☐ Other	No. Employees
# Nitrification Fields	1	# Lines 3	Linear Ft 300	Maintenance Agreement Required:	☒ YES	☐ NO		☐ Slab	☒ Crawl Space
Trench Width min. 24"	Trench Bottom Depth(~~Low~~ Max side)	30"	Gravel Depth N/A		☐ GRAVITY	☒ PRESSURE		☐ Basement w/ plumbing	☐ Basement w/o plumbing

Water Supply: ☒ Private ☐ Public ☐ Community

Comments / Conditions: Need current Maint. Agreement prior to O.P.

Relocate Septic Supply line to minimum of 10ft from pool "cut" Must keep Supply line minimum of 5ft to Property line & 5ft from Storm drain.

INITIAL SITE SKETCH



AS BUILT SKETCH

Scale 1:50

Must keep Pool "cut" minimum of 15ft from tanks & drainlines

2/4/2021: Supply line was 6' off of ditch and 10' off of pool

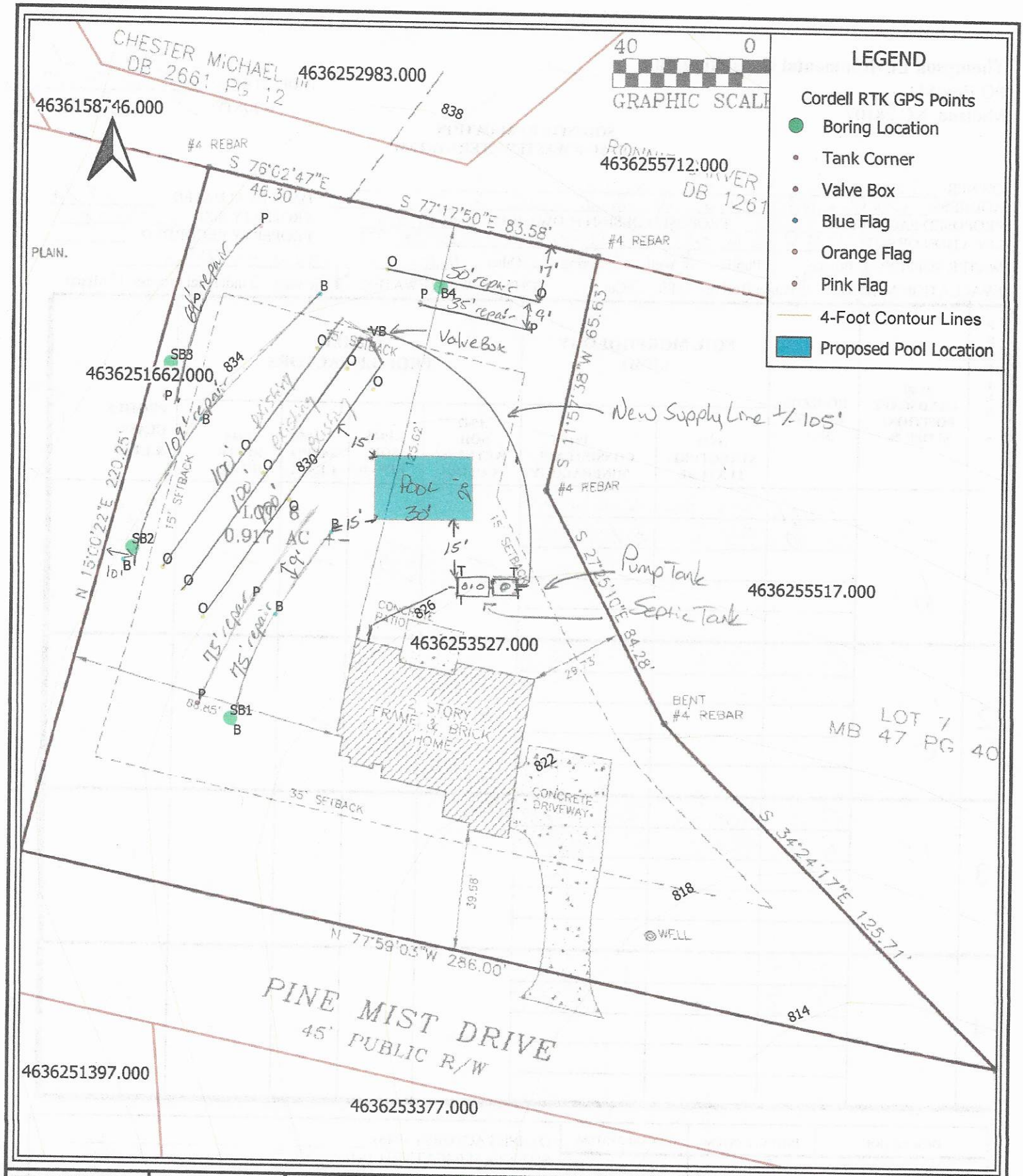
Permit can be suspended or revoked if any false information is supplied toward securing the permit / any unauthorized changes are made to the site / any unauthorized changes are made in the installation of the system. **CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION**

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

Owner / Applicant Signature: Date: 1/26/2021 Installed by: Lentz Wastewater

IMPROVEMENT PERMIT by: Maria Dotson Date: 1/25/2021 OPERATION PERMIT by: Patrick J Byrd III Date: 2/4/2021

AUTHORIZATION TO CONSTRUCT by: Maria Dotson Date: 2/4/2021 Existing System Inspected by: Date:



Thompson Environmental Consulting	Prepared For: Derwin and Felicia Cordell	Proposed Pool Addition 125 Pine Mist Drive Mooresville, NC 28117 Iredell County	Date: October 2020 Scale: 0 20 40 ft TEC Job #: 20-149	Figure 1

Thompson Environmental Consulting, Inc.
PO Box 541
Midland, NC 28107

Sheet 1 of 1
PROPERTY ID #: 4703-25-3527.00
COUNTY: Iredell

SOIL/SITE EVALUATION
***for* ON-SITE WASTEWATER SYSTEM**

OWNER: Dennis and Felicia Cordell
ADDRESS: 125 Pine Mist Drive, Mooresville NC 28117
PROPOSED FACILITY: [illegible] PROPOSED DESIGN FLOW (.1949): 360 gpd
LOCATION OF SITE: 125 Pine Mist Drive, Mooresville NC 28117
DATE EVALUATED: 10-27-20
PROPERTY SIZE: 0.96 ac
PROPERTY RECORDED:
WATER SUPPLY: ☒ Private ☐ Public ☒ Well ☐ Spring ☐ Other Wisconsin Pump - 10T6
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

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	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	LS 6%	0-10	SBK/sgr	FR/ss/sp/non	—	50"	—	—	PS 0.3
		10-50	SBK/c	FI/s/p/non					
2	LS 8%	0-10	SBK/sgr	FR/ss/sp/non	—	48"	—	—	PS 0.3
		10-48	SBK/c	FI/s/p/non					
3	LS 6%	0-8	SBK/sgr	FR/ss/sp/non	—	38"	3 4A	—	PS 0.2
		8-38	SBK/c	FI/s/p/non					
4	LS 0%	0-14	SBK/sgr	FR/ss/sp/non	—	48"	—	—	PS 0.3
		14-48	SBK/c	FI/s/p/non					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	DPBPS	PPBPS
Site LTAR	0.25	0.25

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): Provisionally Suitable
EVALUATED BY: Thompson Environmental
OTHER(S) PRESENT:

COMMENTS: * Use 0.2 based on previous permit

Updated February 2014

Residential Subsurface Wastewater Treatment and Disposal System Repair Proposal

for

Lot 6 – Whispering Oaks
125 Pine Mist Drive
Mooresville, NC 28117

Iredell County PIN: 4636253527.000
October 29, 2020

Prepared for:

Derwin and Felicia Cordell
125 Pine Mist Drive
Mooresville, NC 28117
704-575-8438



Prepared by:

Larry Thompson, REHS, LSS
Thompson Environmental Consulting, Inc.
PO Box 541
Midland, NC 28107-0541
Phone: 704-301-4881
larry@thompsonenv.com



Details

Derwin and Felicia Cordell have contracted with Thompson Environmental Consulting, Inc. (TEC) to prepare a septic proposal for a new repair area for their 3-bedroom single family residence located at 125 Pine Mist Drive, Mooresville, North Carolina. The purpose of revising the repair area for their residence is to allow for the construction of a new in-ground pool.

Based upon a soil and site evaluation performed by TEC, it has been determined that a sufficient amount of "Suitable" Group IV soils are available for a modified **Pressure-Dosed Horizontally Installed Prefabricated Permeable Block Panel System** (LPP PPBPS) repair at a 0.2 Long Term Acceptance Rate (LTAR).

The Cordells would like to request that Iredell County Environmental Health (ICEH) consider this request to modify the system repair area and issue a pool permit based upon the following proposal.

Location

From Mooresville, take Brawley School Road to Isle of Pines Road. Turn left onto Isle of Pines Road and left onto Pine Mist Drive. 125 Pine Mist Drive is located on the left in 0.1 miles.

References

Laws and Rules for Sewage Treatment and Disposal Systems, 15A NCAC 18A, Section .1900, Department of Environment and Natural Resources, Division of Environmental Health, On-Site Wastewater Section, April 1, 2017.

Onsite Wastewater Treatment and Disposal Systems; EPA 625/R-00/008 Design Manual, February 2002.

Design, Installation and Maintenance of the T & J Panel Wastewater Treatment System; Sixth Edition, published by T & J Panel.

Primary Investigator's Credentials

NC Registered Sanitarian No. 1208
NC Licensed Soil Scientist No. 1287
SC Professional Soil Classifier No. 111
Professional Wetland Scientist No. 1346
NC Subsurface Septic System Operator No. 22199
NC Grade IV Wastewater System Installer No. 1762
NC Certified Wastewater System Inspector No. 17621

Plans and Specifications

A. Septic Tank

1. Existing 1,000 gallon.

B. Pump Tank

1. Existing 1,000 gallon.

C. Pipes and Fittings

1. All discharge piping, connectors and supply lines should be made of SCH 40 PVC.
2. All joints must be properly "welded" utilizing the appropriate PVC cement for each application.
3. The supply line from the pump tank to the valve box shall be 2-inch Schedule 40 PVC (approximate length of supply line is 105 feet).

D. Repair Drainfield

1. The repair drainlines have been marked on-site utilizing metal stemmed flags and located in the field with a real-time kinetic global positioning system (GPS) and fixed solution (cm-grade points).
2. Under no circumstances shall any construction take place within the drainfield area while the soil is in a wet condition. If the installer has doubts as to whether or not the drain field area is dry enough to begin construction, the environmental health specialist for this area should be contacted for permission to proceed with the installation.
3. The specified system is a Type IV horizontally installed pre-fabricated permeable block panel system manufactured by T&J Panel Wastewater Treatment System, Patent No. 4013559; telephone: 1-800-222-2577. The installer must follow the manufacturer's guidelines for installing the T&J Panel System and should request an installation manual from the manufacturer prior to beginning construction.
4. The repair drainfield consists of five (5) lateral trenches 3 feet wide by various lengths (1 at 50 feet, 1 at 35 feet, 1 at 100 feet, and 2 at 75 feet). Total available trench length is 335 linear feet.
5. It is essential that the lateral trenches be constructed on contour with the land, with each trench being excavated level from beginning to end. The use of a tripod mounted engineer's level is essential to assure that each trench is constructed as level as possible.
6. The maximum trench depth for this system shall be **23 inches**. Each trench shall be 3 feet wide and placed on a minimum of 9 foot on centers.
7. Once trenches are dug, the side walls shall be raked and a light dusting of lime applied.
8. Backfill the trench with 6 inches of sand and level to grade. Once leveled, place 1 x 4 or 6 inch boards on top of the sand the entire length of each trench. Once the grade boards have been set, the panels may be set into the trench. The panels should be placed 6 inches apart.

9. Once the panels have been set, line the top chamber of each panel with 10 – 12 pounds of clean particle sand (medium sand blasting sand). Coverage depth should be approximately 1 inch thick. *Please note that this sand is not the same material specified for backfill.*
10. Tar seal rope, or approved foam, should be placed in the "U" outs of each end of the panel to form seals. Once the tar rope is in place, the 1¼ inch Schedule 40 PVC laterals can be added and the seal completed by the addition of more tar rope on the top and sides of the pipe (Lateral hole size is 5/32 of an inch. Holes should be drilled on site and at the 12 o'clock position with one hole per panel.)
11. The end of each lateral should be fitted with a short turn up topped by a threaded female coupling with cap. Each turn up must be fitted with a turf/gate valve box with lid fitted flush to finished grade.
12. Once connection and seals are complete, a block cap is placed on each end of the panel so that all openings are covered.
13. The trench is now ready to be backfilled to the top with sand. Trenches should be left open for the final inspection by the ICEH.

E. Backfill

1. Backfill sand shall be clean, washed, medium sand that is naturally occurring and falls within the gradation of ASTM C-33 specification (used in the ready-mix industry and is readily available).

F. Proper Operation Check

1. After all components of the waste water disposal system have been installed and connected, the system shall be checked for proper operation.
2. With the electrical power turned off, fill the pump tank with water until the liquid rises to a level high enough to activate the high water alarm float. Turn on the electrical power. The alarm, alarm light and pump should activate at this time. Turn off the electrical power once these checks have been performed and prepare to set the head pressure at the valve box.

G. Pressure Head Adjustment

1. The pressure head must be adjusted to match the design specifications (2 feet). The pressure head is measured by the height of the liquid coming from the turn ups at the end of each lateral when the pump is running (utilizing stand pipes).
2. Prepare a length of pipe (stand pipe), cut to the desired head pressure height and fitted with a threaded adapter that will screw into the turn up couplings at the end of each lateral. Thread the stand pipes into each lateral and then turn the power on to the pump, allowing the water to rise within the stand pipes. Adjust the gate valves within the supply manifold box to achieve the specified head pressure (liquid height in the stand pipes should equal the design head pressure).
3. Once the pressure head has been adjusted, allow the pump to run through the remainder of the cycle. The pump float switch will automatically turn the pump off if it is operating properly. Make sure that the effluent pump is completely

submerged in the remaining water, making adjustments to the float switch(es) as needed. This completes the checks for proper operation of the pump, alarm and float switches.

4. At this point, the standpipes may be removed and replaced with the threaded turn up caps.

H. Final Landscaping

1. The drainfield shall be shaped to shed rainwater and be free from low spots.
2. The entire area of the drainfield should be planted with grass as soon as possible to prevent erosion. The soil should be properly tilled, limed (if necessary) and fertilized prior to planting. After applying grass seed, the area should be heavily mulched with straw or other suitable material.

Maintenance

I. Operation and Maintenance

The designed system is classified as a Type IVa wastewater treatment and disposal system and will require ongoing maintenance. State regulations require that a system of this type be managed by a person certified (Certified Subsurface System Operator) by the North Carolina Department of Environment and Natural Resources to operate subsurface wastewater systems (Section .1961 Maintenance of Sewage Systems). A "Maintenance Contract" between the system owner and a Certified Operator will be required by ICEH prior to the issuance of a final system approval or Operation Permit.

1. The minimum inspection/maintenance and reporting frequency for a Type IVa system is twice a year by the Certified Operator. The local health department is required to inspect the system once every three years.
2. The septic and pump tanks shall be pumped out when the solids within the septic tank reach an elevation that is equivalent to 25% of the volume of the tank. In some situations, the tanks may need to be pumped more frequently; for example, if you are using a garbage disposal, it is recommended that the septic and pump tanks be cleaned out annually. Regardless, the Certified Operator will be able to advise when it is necessary to pump out tank solids.
3. Pressure head for laterals should be checked and adjusted semi-annually, flushing with clean water as necessary to remove any accumulated solids.
4. The effluent filters should be inspected semi-annually. When it becomes necessary to clean the effluent filters, the filters should be removed and the accumulated debris washed back into the septic or pump tank – not onto the lawn.
5. All piping and valves should be inspected semi-annually for damage and corrections/repairs made immediately.
6. The pump and float controls/switches should be inspected semi-annually to assure proper operation.
7. The drain field area should be maintained to prevent over growth of vegetation. Any damp areas, leakages or malfunctions should be addressed immediately.

8. Divert gutter downspouts and surface water runoff away from the septic and pump tanks.

J. Suggestions to the Homeowner

1. As previously mentioned, a garbage disposal is not recommended. The ground up garbage adds large amounts of solids into a septic tank that tend to degrade at a very slow rate.
2. Grease, cooking oils, coffee grounds and non-degradable solids (disposable diapers, cigarettes and solid paper wastes) should never be put into a septic tank.
3. Used motor oil or any oily liquids should not be disposed of in a septic tank.
4. Be aware of the amount of water that you are using in your home. Water saving fixtures and devices can be installed on sinks, toilets and showers to reduce the volume of wastewater that you are sending to your drain field.
5. Run dishwashers and washing machines only when you have a full load.
6. Use liquid detergents. Powdered detergents have binding agents in them that tend to solidify in the wastewater disposal system.
7. Repair leaky faucets and toilets. Small drips equal large volumes of water over time and can over burden your drain field.
8. Do not use chemical additives in your system. Studies have indicated that they do not increase the biological activity that naturally occurs in the septic system and in some cases certain additives have been found to be detrimental to the life of a system.

Repair Specifics

Daily Design Flow:	360 GPD – 3 bedroom house
Septic Tank Size:	Existing 1,000 Gallon
Pump Tank Size:	Existing 1,000 Gallon
Effluent Loading Rate:	Design = 0.1792 GPD/sq. ft. (50 % reduction - PPBPS)
Supply Line Length:	Approximately 105 Feet
Supply Line Diameter:	2 Inches – Sch. 40 PVC
Number and Size of Drainlines:	(5) 3' W x Various Length 1 at 50 Feet 1 at 35 Feet 1 at 100 Feet 2 at 75 Feet

Total Trench Length Available:	335 Linear Feet
Trench Width:	36 Inches Wide
Maximum Trench Depth:	23 Inches Deep
Drainline Spacing:	9 Foot on Centers
Total Number of Panels:	75
Lateral Hole Size:	5/32 inch
Hole Spacing:	1 per panel = 75 total
Dosing Volume:	270 gallons per dose
Flow Rate Through System:	30.75 gallons per minute
Total Dynamic Head:	15 feet
Pump Requirements:	30.75 GPM at 15 Feet TDH
Recommended Pump:	Goulds WEO5H or equiv.
Check Valve Required:	Yes
Pump Run Time:	8.78 minutes
Depth of Water Pumped:	Approx. 12.86 inches - check with individual tank manufacturer (1 cu. Ft. of water equals 7.5 gal.)

RECEIVED DEC 1 8 2020 2:30

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

Iredell County Health Department – Environmental Health Division

AP-313538
$500.00

PAGE 1: *APPLICATION FORM*

Application For: Relocation ( ) 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: ( ) 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: Felicia +Derwin Cordell Address: 125 Pine Mist DR. Zip: 28117
Applicant Email: derwin.cordell@gmail.com Phone: 704-575-8438 Alt. Phone: _____
Owner Name: Derwin Cordell Address: 125 Pine Mist DR Zip: 28117
Owner Email: Derwin.Cordell@gmail.com Phone: 7045758438 Alt. Phone: _____

Property Information:

Street Address: 125 Pine Mist DR Mooresville NC 28117
Subdivision Name: Whispering Oakes Section/Phase: _____ Lot Number: 6
Driving Directions: _____

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

(X) New Single Family Residence
( ) New Multi-Family Residence
( ) Accessory Building
( ) Bedroom(s) Addition
( ) Repair to failing septic system ___ Tank ___ Drain lines Describe Problem: move Septic line
Non-Residential Site Development: Type of Business: _____
Square Footage of Building: _____ Max. Number of Employees: _____ Max. Number of Seats/Beds/Other: _____

Maximum Number of Bedrooms: 3
Maximum Number of Occupants: 3
( ) Swimming Pool
( ) Other Addition/Structure: _____

CHECK FOUNDATION TYPE
(X) 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 (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: _____ 12/18/20
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) 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, _____, am the legal owner(s) of the property located at _____, identified as PIN (Parcel Identification Number)_____, located in Iredell County, North Carolina.

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

_____ _____
Signature of Owner(s) Date

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

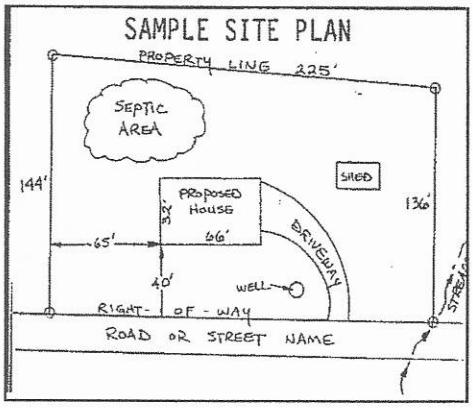
Statesville - Environmental Health
ronda.hart@co.iredell.nc.us
Fax: 704-871-3483
349 N. Center Street, Statesville, NC 28677

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 permit

Signature: Jeff Cordell

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

12/15/20

DATE

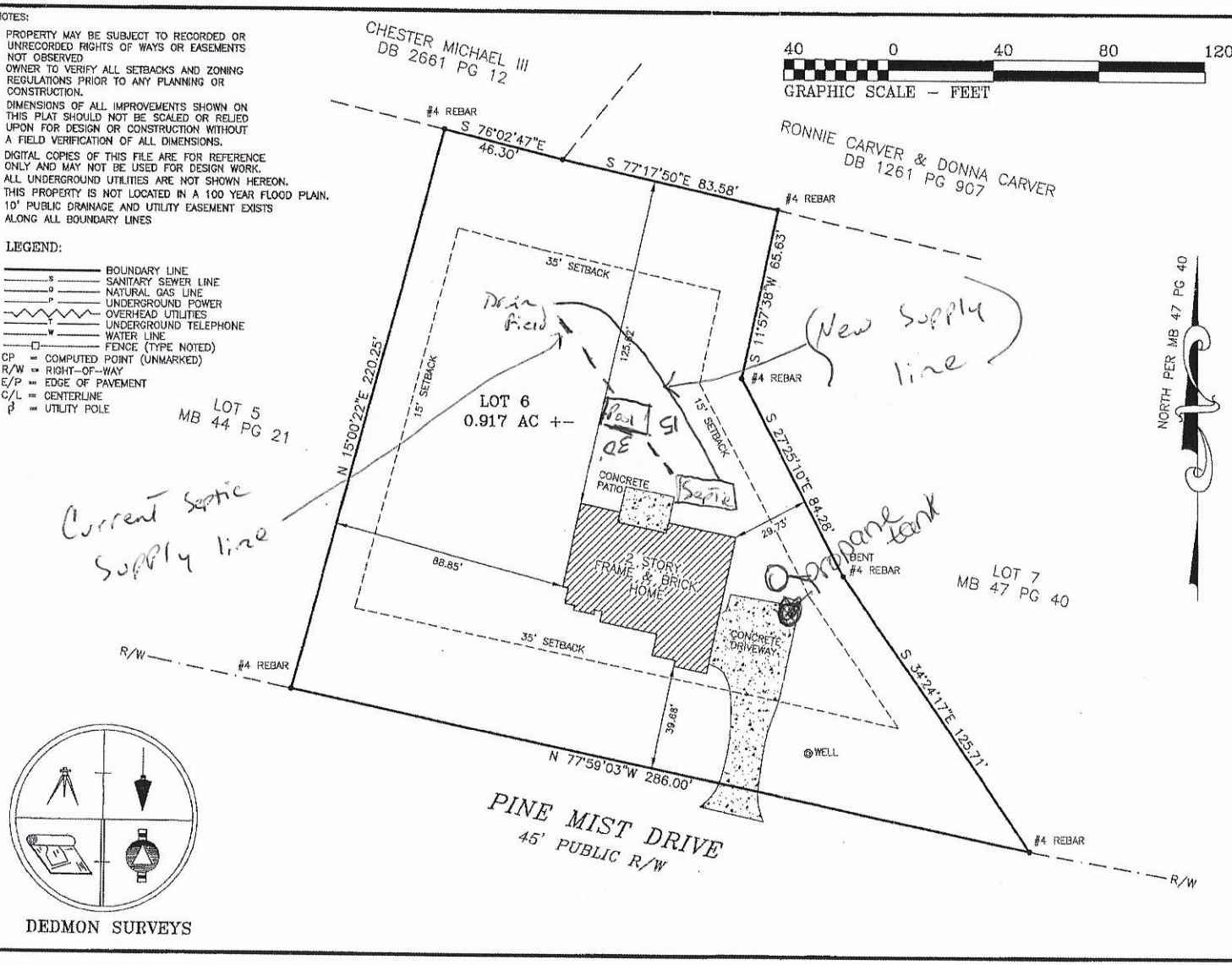
NOTES:

* PROPERTY MAY BE SUBJECT TO RECORDED OR UNRECORDED RIGHTS OF WAYS OR EASEMENTS NOT OBSERVED
* OWNER TO VERIFY ALL SETBACKS AND ZONING REGULATIONS PRIOR TO ANY PLANNING OR CONSTRUCTION.
* DIMENSIONS OF ALL IMPROVEMENTS SHOWN ON THIS PLAT SHOULD NOT BE SCALED OR RELIED UPON FOR DESIGN OR CONSTRUCTION WITHOUT A FIELD VERIFICATION OF ALL DIMENSIONS.
* DIGITAL COPIES OF THIS FILE ARE FOR REFERENCE ONLY AND MAY NOT BE USED FOR DESIGN WORK.
* ALL UNDERGROUND UTILITIES ARE NOT SHOWN HEREON.
* THIS PROPERTY IS NOT LOCATED IN A 100 YEAR FLOOD PLAIN.
* 10' PUBLIC DRAINAGE AND UTILITY EASEMENT EXISTS ALONG ALL BOUNDARY LINES

LEGEND:

- BOUNDARY LINE
- SANITARY SEWER LINE
- NATURAL GAS LINE
- UNDERGROUND POWER
- OVERHEAD UTILITIES
- UNDERGROUND TELEPHONE
- WATER LINE
- FENCE (TYPE NOTED)

CP = COMPUTED POINT (UNMARKED)
R/W = RIGHT-OF-WAY
E/P = EDGE OF PAVEMENT
C/L = CENTERLINE
ø = UTILITY POLE



DEDMON SURVEYS

PHYSICAL SURVEY
FOR
DERWIN CORDELL & FELICIA CORDELL

LOT 6 OF WHISPERING OAKS REVISED IN MAP BOOK 47 PAGE 40
@ 125 PINE MIST DR, MOORESVILLE, NC

DAVIDSON TOWNSHIP – IREDELL COUNTY, NC
SCALE: 1" = 40'

DEDMON SURVEYS

CHUCK POOVEY, PLS #3762
ROBERT DEDMON, PLS #3899
3704 NC HIGHWAY #16 NORTH
P.O. BOX 494 - DENVER, NC 28037
PHONE: 704/483/4908
FAX: 704/483/2170
WWW.DEDMONSURVEYS.COM

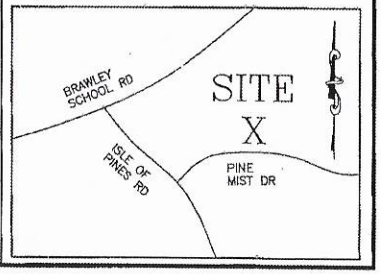
NORTH CAROLINA PROFESSIONAL SEAL L-3762 LAND SURVEYOR DAVID C. POOVEY

I, DAVID C. POOVEY, CERTIFY THAT THIS PLAT WAS DRAWN FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION (DB 2631, PG 442)(PB 47, PG 40); THAT THE RATIO OF PRECISION AS CALCULATED EXCEEDS 1:10000; THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH GS 47-30 AS AMENDED. WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 21ST DAY OF SEPTEMBER, AD 2020.

PROFESSIONAL LAND SURVEYOR — L-3762 LICENSE NO.

SURV. BY: KPJ	DRAWN: KPJ	JOB# PINEMIST

VICINITY MAP



IREDELL COUNTY HEALTH DEPARTMENT

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

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

PERMIT# 40012-24-1283 PIN# 4636-25-3527.000 DATE May 23 03

OWNER OR CONTRACTOR Ron Smith PHONE: Business Home

ADDRESS 792 Hickenbrey Rd. Mooresville, N.C. 28117

LOCATION Bentley Sch Rd. TL Isle of Pines TL Pine Mist Dr. on left

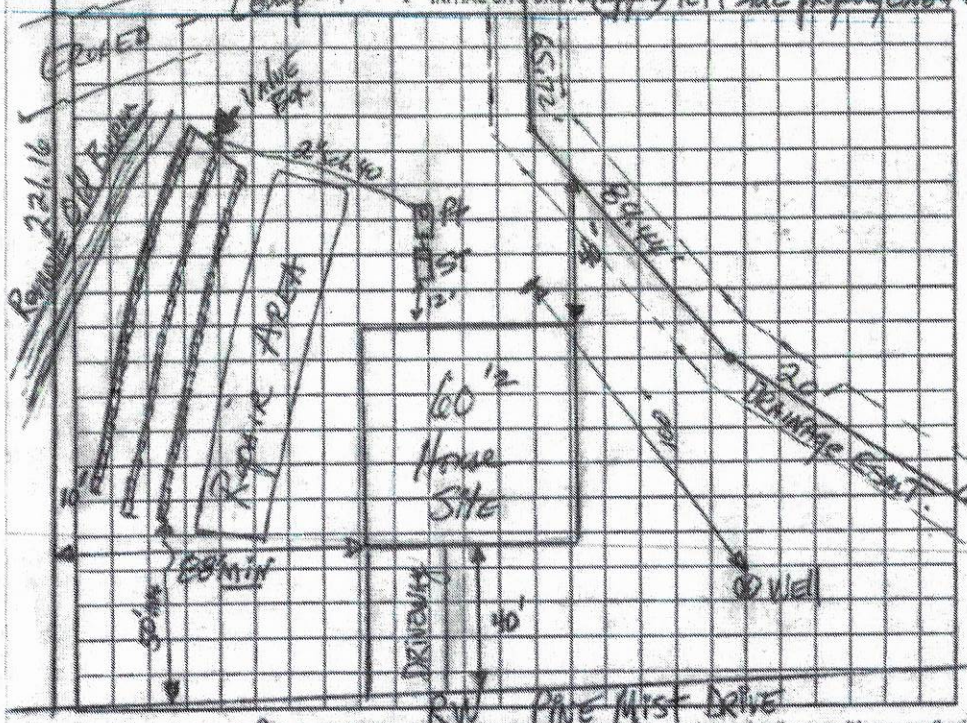
SUBDIVISION Whispering Oaks BLOCK / SECTION 2 LOT 6 LOT AREA .96 ac SITE CLASS PS DESIGN FLOW 360 gpd L.T.A.R. .2

Septic Tank 1000 Gallons	STR 360	Date 11-6-19	☑ New System ☐ Repair	System Type: I II III IV V VI	☑ House/Mod. Home	No. Bedrooms 3 max	Water Supply: ☑ Individual
Pump Tank 1000 Gallons	PT 339	Date 11-4-19	System Description: LPPPPS		☐ Mobile Home	No. Bathrooms 3	☐ Public
Pump Make: Goulds	Model WE05 1 HH	Serial No. F19 64008	Repair System Description: LPPPPS		☐ Business	No. Employees	☐ Community
Nitrification Field: No Fields 1	Square Feet 600/400	Linear Feet 300	Maintenance Agreement Required: ☑ Yes ☐ No		☐ Other		
No Lines 3	Trench Width 24" min 60"	Max Trench Bottom Depth 30"	Gravel Depth NA	☐ Slab ☑ Crawl Space ☐ Basement w/plumbing ☐ Basement wo/plumbing			

Comments/Conditions: 1" = 50' @ 36" max d/c Remove old existing trenches if Line filter required in pump tank. Install Burm or shallow ditch along (upper) left side property Lines & Divert storm water runoff Drainfield

Comments/Conditions: No upgrade in Number of bedrooms (3 maximum)

INITIAL SITE SKETCH


Remove old trench 226.16
Crushed
Vinyl Pool
24'x40'
Deck
Patio
8'x8'
Gazebo
10'
60' Max
House Site
Existing
Trench
Trench
Trench

IREDELL COUNTY · NC

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

APPLICATION NUMBER
313538 Issue Date:

Permit Type: ZONING

Parcel Number	Street Address	Jurisdiction
4636253527.000	125 PINE MIST DR	IREDELL COUNTY

Owner Information	Applicant Information
Name: CORDELL DERWIN V+FELICIA D Address: , Phone:	Name: CORDELL DERWIN V+FELICIA D Address: , Phone: (704)575-8438

Use Requested	Zone Code
SWIMMING POOL	RA

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
0.96	150	10	10	10	WSIV-CA Catawba/Lake Norman	NO

Remarks
Relocation for Pool

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.

Signature of Owner/Contractor

Date: 01/12/2021

Permit Number	313538

TOTAL FEES:	$77.25