ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT # AP 3224/62

PIN # 4775--91--8646

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

APPLICANT/OWNER: K+T Properties LLC

APPLICANT ADDRESS: 141 Cedar Woods Drive Mooresville, NC 28117

SITE ADDRESS: 124 Elmwood Rd Statesville NC

PHONE: 704-235-8489

ALT. PHONE

SITE DIRECTIONS: Mocksville Hwy, Barn Oak Rd, Elmwood Rd

SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Woodstone Estates

SECTION: _ LOT # 5 LOT AREA: .59 Ac

DESIGN FLOW: 360 L.T.A.R.: .30

Septic Tank	1000	(gal)	STB	760	Date	11/29/21	☒ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI	
Pump Tank	1000	(gal)	PT	363	Date	12/23/21	System Description:	Ron - 25% Reduction			
Pump Make			Model		Serial #		Repair System Description:	LP - Pool Block - 50% Reduction			
# Nitrification Fields	1	# Lines	4		Linear Ft:	300	Maintenance Agreement Required:	☐ YES	☒ NO		
Trench Width	36	Trench Bottom Depth(Low side)	30		Gravel Depth	—		☐ 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: * Abandon Well Prior to A/C * WELL ABANDONED 11-4-2021

INITIAL SITE SKETCH

This permit is issued pursuant to Section 11 . (C) of S.L. 2018-114 using the signed and sealed LSS Evaluation by:

Soil & Forestry Services of the Carolinas PA

LSS # 1231 Dated Oct, 19, 2021

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.

	Date	Initials
Drain Lines Checked	12/15/22	CW
Tanks Checked	2/15/22	CW
Pressure Manifold or Valve Box Checked	3/22/22	BB
Pressure Head Set	3/22/22	BB
Electrical Checked	4/8	BB
Floats Set	3/22/22	BB
Alarm Checked	4/8	BB
Maintenance Contract Y (N) not Required		
Comments:		

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: Date: 10/29/21

IMPROVEMENT PERMIT by: Benjamin A. Bobbitt Date: 10/25/2021

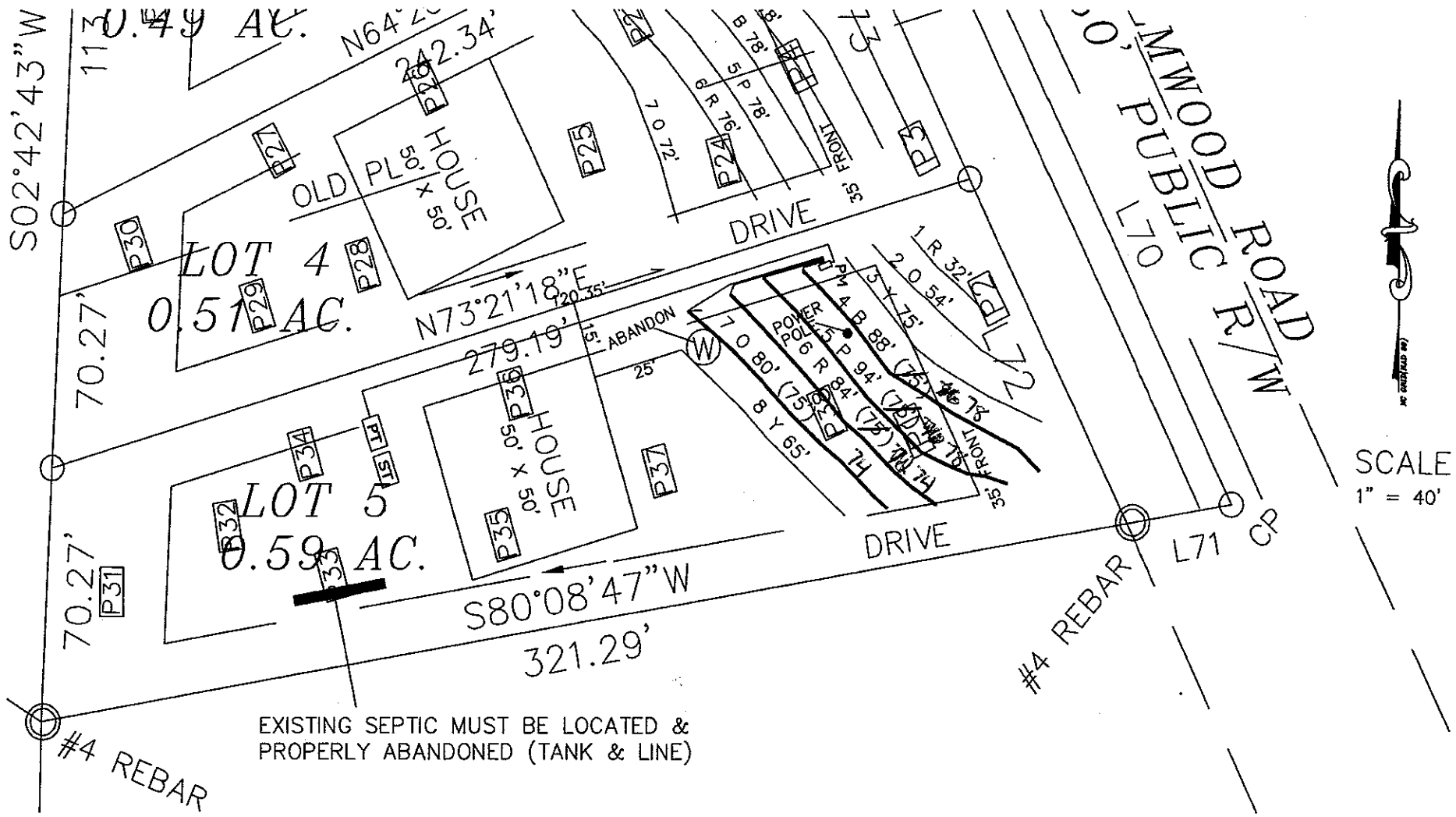
AUTHORIZATION TO CONSTRUCT by: Bryant C. White Date: 11-8-2021

Installed by: Frye Grading + Repair

OPERATION PERMIT by: Benjamin A. Bobbitt Date: 4/4/22

Existing System Inspected by: Date:

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


S02°42'43"W
113
0.49 AC.
N64°2
242.34'
P26
P27
OLD PL
50' x 50' HOUSE
P25
P24
P23
P22
L73
L72
L70
MWOOD ROAD
O' PUBLIC R/W
DRIVE
35'
FRONT
P30
P28
LOT 4
0.51 AC.
P29
70.27'
N73°21'18"E
120.35'
279.19'
15'
ABANDON
25'
POWER POLE
P34
P1ST
P36
50' x 50' HOUSE
P37
LOT 5
0.59 AC.
P32
P35
P33
P31
70.27'
S80°08'47"W
321.29'
#4 REBAR
EXISTING SEPTIC MUST BE LOCATED &
PROPERLY ABANDONED (TANK & LINE)
#4 REBAR
L71
CP
SCALE
1" = 40'

SOIL & FORESTRY SERVICES
OF THE CAROLINAS, PA

www.soilandforestryservices.com

Project#: 21-0018
October 19th, 2021

K + T Properties V, LLC
Attn: *Pete Denicola*
Email: pete@peconicbayhomes.com

RE: Soil & Site Evaluation for a 3 Bedroom Residence on Lot 5 Woodstone Estates Subdivision, 0.59 ac Parcel, PIN# 4775918646, Elmwood Road, Statesville, NC 28625.

Mr. Denicola:

At your request Soil & Forestry Services of the Carolinas (S&FS) has performed soil/site evaluations on parcel noted above. The Lot size is noted on the attached survey map & soil evaluation form. The purpose of our work was to identify soil areas with potential to support subsurface wastewater disposal systems and provide design details for Session Law submittal to Iredell County Health Department.

Site Conditions

At the time of our evaluation land cover on the property was mostly cleared and had an existing well and septic. **The well and septic will need to be properly abandoned**. Topography within the evaluated area was gently slope near the house site and proposed drainfield area. Property lines and corners were marked at the time of the evaluation by Don Allen & Associates. The client provided an Autocad File of a survey as a basemap. The proposed septic layout was located via tape measures and used to produce the attached *Site Plan*. The proposed house is for a slab foundation and should be survey located prior to digging footings.

Methodology

We evaluated soil areas through the use of backhoe pits. Soil morphological conditions including color, texture, structure, etc. were reviewed in the field with ten backhoe pits on the property flagged and located via GPS. Three of the ten backhoe pits are located in the proposed septic layout. Soil suitability was determined by referencing 15A NCAC 18A.1900 "Laws and Rules for Sewage Treatment and Disposal Systems". *Soil & Site Evaluation Forms* were utilized to record the soil morphological data for each pit. An on-ground layout of system and repair was performed using a laser level. Pin flag locations of the layout were located via GPS and tape measures. Detailed system & repair information is summarized in the following paragraph for this Lot. Existing well & septic Abandonment will be required.

SOIL & FORESTRY SERVICES
OF THE CAROLINAS, PA

www.soilandforestryservices.com

Attached is a proposed design for an Accepted (25% reduction) Septic System with Pressure Manifold distribution for a 3 bedroom single family residence on Woodstone Estates Subdivision Lot 5, (PIN #: 4775918646), Statesville NC, 28625.

Contents:

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LICENSED SOIL SCIENTIST
Samuel A. Roll
1231
STATE OF NORTH CAROLINA

October 19, 2021
Project No. 21-0018

Design By: Soil & Forestry Services of the Carolinas, PA

INFORMATION FOR THE INSTALLER:

- The permit should be read very carefully prior to bidding. The following are details that must be considered along with all other considerations.
- Tanks shall be approved by DHHS, and certification supplied by the manufacturer.
- Tanks shall be water tested prior to installation.
- The installer shall be responsible to the owner for placement of the tanks and to insure that final grades are returned to the original natural grade, with exception of added structural features.
- The supply trench shall be compacted to eliminate cavities left during initial fill placement.
- Installation of the system shall be during dry conditions in order to protect the soil structure.
- All fittings shall be pressure rated fittings.
- All joints shall be cleaned with PVC pipe cleaner and a heavy bodied glue applied to weld all joints.
- Trenches shall be carefully excavated so the bottom is within 2" from the highest to . the lowest points of elevation within the trench. If the bottom elevation needs adjusting after it has been trenched, it will be done by removing high points rather than filling low points. It is extremely important to insure that trenches are not over excavated during initial trenching. All fine grading within the trench will be hand done with a shovel. No loose material will be left in the trench
- All pipe openings in the tanks shall be properly grouted. This also applies to the joints around the riser.
- All tanks shall be properly back filled and compacted to prevent slump at a later date.
- Earth dams, constructed of relatively impervious material, shall be installed at the beginning and end of each lateral.
- No heavy equipment shall be used on the field during or after installation. The use of a small loader (i.e. Bobcat) or a trencher (i.e. Ditch Witch 2300/2310) may be used for installation.
- Elevations at pinflag locations should be checked by the installer prior to beginning trenches.
- Pumptank riser should be 6" above grade, control panel should be 12" above grade.
- Septic tank riser shall be a minimum of 6" above finished grade.
- System is specified as an Accepted 25% reduction installation w/Pressure Manifold.
- Repair is specified as a PPBPS installation with Low Pressure Distribution.
- Rake trench walls, lime sidewalls, install trenches 36" wide and have no more than 1/4" fall in 10 feet.
- **Properly abandon well and existing system.**

PRESSURE MANIFOLD SYSTEM
FOR WASTEWATER TREATMENT

Owner/Applicant:	K + T Properties V, LLC
Address:	141 Cedar Woods Drive Mooresville, NC 28117
Phone:	704.235.8489
County:	Iredell
Location:	Woodstone Estates - Lot 5

Source of Wastewater Flow:	3 Bedroom Single Family Residence
Estimated Daily Wastewater Production:	360 gpd
System Flow:	28.44

Design Specifications

Drainfield Size:	300
Loading Rate:	0.3
Depth of Gravel in Trench:	NA (25% reduction)
Gravel Size:	NA (25% reduction)
Max Trench Depth (LOW SIDE):	30 in. Repair Trench Depth 30 in.
Trench Width:	36 in.
Septic Tank Size:	1000
Pump Tank Size:	1000
Estimated Supply Line Length:	155
Supply Line Diameter:	2 in. SCH 40 PVC
Supply Line Volume:	26.97
Dosing Volume:	146.93
Supply Manifold:	4 in. SCH 80 PVC
Supply Manifold Length:	4 ft. (minimum)
Supply Manifold Volume:	N/A
Recommended Float Controls:	SJE Sensor Float Control Switches as Required for Control Panel or County Approved Equivalents
Recommended Control Panel:	SJE-Rhombus Model 112 (NEMA 4x) Control Panel or County Approved Control Panel.
Pressure Head:	2 ft.
Friction Head:	2.76
Elevation Head:	9.50
Total Dynamic Head:	16.40
Threaded Union:	In Tank
Gate Valves:	1 in Tank 1 at Pressure Manifold
Check Valves:	In Tank
Anti-Siphon Hole:	NA
Additional Comments:	Soil suitability was performed by Soil & Forestry Services of the Carolinas, PA.

Woodstone Estates - Lot 5
PRESSURE MANIFOLD DESIGN

DESIGN FLOW:	360	
SOIL APPLICATION RATE:	0.3	
TOTAL AREA TRENCH BOTTOM:	900	
TOTAL LATERAL LENGTH:	300	
NUMBER OF FIELDS:	1	
LATERAL LENGTH REQUIRED PER FIELD:	300	
SUPPLY LINE LENGTH:	155	
TOTAL DYNAMIC HEAD:	16.40	
MANIFOLD SIZE:	4 in.SCH 80 PVC	
DOSING VOLUME:	146.93	
PUMP TANK DRAW DOWN*:	7.0	
SEPTIC TANK SIZE:		1000
PUMP TANK SIZE:		1000

**Pump tank draw down based on a volume basis of 21 gallons per inch. Draw down may vary among pump tank manufacturers.*

Layout Specifications - Woodstone Estates Lot 5

Project #: 21-0018

LAYOUT FOR 3 BEDROOM HOME

October 19, 2021

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM							
HOUSE					894.70		
PUMP TANK					893.00		
INSTR. 1							
1	RED				898.40	32	32
2	ORANGE				898.00	54	54
3	YELLOW				897.60	75	75
4	***BLUE***				***897.30***	***88***	***75***
5	***PINK***				***897.00***	***94***	***75***
6	***RED***				***896.70***	***84***	***75***
7	***ORANGE***				***896.30***	***80***	***75***
8	YELLOW				896.00	65	65
					Total	572	526

	LINE LENGTH	LTAR GPD/FT2	SYSTEM TYPE	SOIL LTAR GPD/FT2	TRENCH SYSTEM	DISTRIBUTION
** System*	*300*	*0.300*	*ACCEPT.*	*0.300*	*25% RED*	***PRESSURE MANIFOLD***
Repair	263	0.250	MOD. CONV.	0.250	PPBPS	LOW PRESSURE

Notes: **All measures in feet

**Nitrification lines are demonstrated on contour via colored pin flags

**Nitrification lines were located by GPS.

PRESSURE MANIFOLD TAPSHEET - Woodstone Estates Lot 5

SYSTEM

Line #	Color	Elevation	Length	Hole Size	Flow/Tap	Trench Area	Line LTAR
4	*BLUE*	*94.50*	*75*	SCH 40 1/2	**7.11**	225	0.16
5	*PINK*	*93.90*	*75*	SCH 40 1/2	**7.11**	225	0.16
6	*RED*	*92.90*	*75*	SCH 40 1/2	**7.11**	225	0.16
7	*ORANGE*	*92.20*	*75*	SCH 40 1/2	**7.11**	225	0.16

total	**feet =**	**300**	**gal/min =**	**28.44**
		Des. Flow	**360**	
		Pump Run=	**5.17**	
		soil LTAR	**0.3**	
		LTAR +5%	**0.315**	
		LTAR with ACCEPTED	**0.4**	
		LTAR with ACCEPTED + 5%	**0.42**	

CALCULATIONS

Location	Woodstone Estates Lot 5	
Project Number	21-0018	
Lot No:	5	
No. of Bedrooms	3	
Design Flow	360	$^{gal}/_{day}$
LTAR	0.300	$^{gpd/ft^2}$
25% RED.? (YES OR NO)	YES	
Supply Line Length	155	ft.
Supply Line Volume	26.97	gal.
Required Feet of Line	300	ft.
Amount of Line from Layout	300	ft.
Gallons per Minute	28.44	$^{gal}/_{min}$
Required Septic Tank Capacity	1000	gal.
Minimum Standard Tank Size	1000	
Lateral Line Volume	195.9	gal.
Dosing Volume	146.93	gal.

Note: Dosing Volume based on 75% of lateral line volume

Tank Draw Down	7.0	*Generic Draw Down of 21 gal.per in.*
Pump Run Time	5.17	minutes
Elevation Head	9.5	ft.
Pressure Head	2	ft.
Friction Factor	1.78	ft./100 ft. *(From the interpolater.)*
Friction Head	2.76	ft.
Total Dynamic Head (+15%)	16.40	ft.

FRICTION FACTOR INTERPOLATER
2" SCH 40 PVC

GPM	*f*
20	0.84
	-0.88
25	1.27
	-1.28
30	1.78
	-1.76
35	2.37
	-2.25
40	3.03
43.07	3.48
45	3.77
48.14	4.28
50	4.58
57.11	5.89
60	6.42

Sheet 1 of 1
PROPERTY ID #: 4725911844
COUNTY: Iredell

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

OWNER: K+T Properties V, LLC
ADDRESS: 141 S. Longfellow Mooresville NC 28117
APPLICATION DATE
DATE EVALUATED: 7/13/21
PROPOSED FACILITY: SBR PROPOSED DESIGN FLOW (.1949): 360 gpd
PROPERTY SIZE: 1.59 ac
LOCATION OF SITE: Elmwood Rd, Statesville NC Lot 5
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) .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
P 1	L/4%	0-4	BL Gr	Fr SS SP SEXP		62	-	-	PS 0.3
		4-14	BCL wfsbk	Fr SS SP					
		14-62	BRC wmsbk/Abk	Fr SS SP					
P 2	L/5%	0-8	BCL wfsbk	Fr SS SP SEXP		60	-	-	PS 0.25
		8-48	BRC wfAbk/sbk	Fr SS SP					
		48-60	RBCL wmsbk	Fr SS SP					
P 3	L/5%	0-15	BCL wfsbk	Fr SS SP SEXP		55	-	-	PS 0.3
		15-42	BRC wmsbk/Abk	Fr SS SP					
		42-55	RBCL wmsbk	Fr SS SP	Few SAP				
4									

LICENSED SOIL SCIENTIST Samuel A. Rollins 1231

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	Accepted/Gravity	PDBPS/Low Pressure
Site LTAR	0.3	0.25

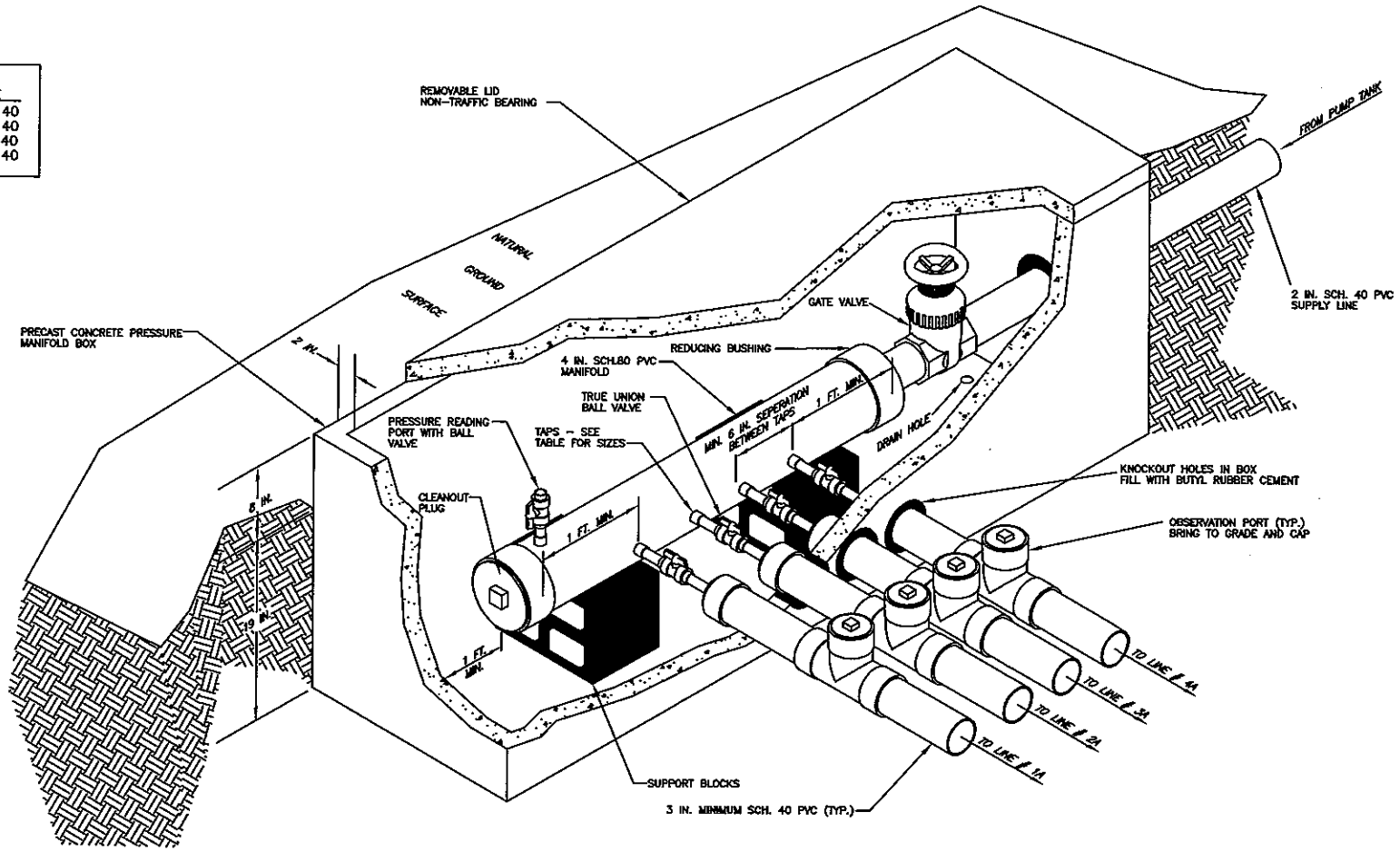
OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: S. Ashley Rollins
OTHER(S) PRESENT: Chad Wagner

COMMENTS:

PRESSURE MANIFOLD DETAILS
FOR
WOODSTONE ESTATES LOT#5 SEPTIC SYSTEM

TAP SIZES

LINE No.	TAP SIZE
4	1/2" SCH. 40
5	1/2" SCH. 40
6	1/2" SCH. 40
7	1/2" SCH. 40



RECEIVED OCT 2 0 2021 322402

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM

Paid $1,200.00

Application For:
(✓) Septic Improvement Permit ( ) New Well Permit ( ) Authorization to Construct ( ) Well Repair Permit ( ) Existing System Inspection ( ) Well Abandonment ( ) 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: K+T Properties V LLC **Address:** 141 Cedar Woods Dr., Mooresville NC **Zip:** 28117
Applicant Email: pete@peconicbayhomes.com **Phone:** 704-235-8489 **Alt. Phone:**
Owner Name: Same **Address:** Same's **Zip:** Same
Owner Email: Same **Phone:** Same **Alt. Phone:**

Property Information:

Street Address: 124 Elmwood Rd, Statesville NC
Subdivision Name: Woodstone Estates **Section/Phase:** **Lot Number:** 5
Driving Directions: Mocksville Hwy, Barry Oak Rd, Elmwood Rd

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: 6
( ) Swimming Pool
( ) Other Addition/Structure:

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

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

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: Accepted

Please answer the following to the best of your ability:
( ) Yes (X) No Does the site contain any jurisdictional wetlands?
( ) Yes (X) No Is any non-domestic sewage (i.e. industrial) to be generated?
( ) Yes (X) No Is the site subject to approval by any other public agency?

I have read this application and certify that the information provided herein is true, complete, and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed.

Signature: _____ 10/19/21
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

DOCUMENTATION TO AUTHORIZE AN OWNER'S LEGAL REPRESENTATIVE

Applications for permits require the "signature of the owner or owner's legal representative" (15A NCAC 18A .1937). If the owner does not sign the application himself or herself, they can submit any one of the following documents to designate their legal representative:

Power of Attorney; Real Estate Contract; Estate executor; Bankruptcy trustee; Court ordered guardianship

In the absence of the above documentation, the property owner may provide the local health department with documentation that designates a legal representative. A property owner may:

Complete this form to document his or her legal representative, or provide his or her own form that contains the information in this form.

If there are multiple property owners, then all property owners must sign the form that designates a legal representative.

By signing a form that designates a legal representative for purposes of 15A NCAC 18A .1937, the property owner authorizes that representative to act on their behalf in matters pertaining to the application and permitting process, including signing or receiving any application, document or permit. The owner retains full responsibility to meet all permit conditions specified by the local health department.

I, K+T Properties V LLC, am the legal owner(s) of the property located at Elmwood Rd, Statesville NC 28625, identified as PIN (Parcel Identification Number) 4775918646 Lot 5, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) SFS/Ashley Rollans / Pete Danicola, 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.

X _____ 10/19/21 _____ _____ 10/19/21

Signature of Owner(s) Date Signature of Witness Date

Please return this signed form to the appropriate office:

Mooresville - Environmental Health
ronda.hart@co.iredell.nc.us
Fax: 704-662-3239
610 E. Center Avenue, Mooresville, NC 28115

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

Woodstone Estates Lot 5 (*See Attached Design*)
The septic layout for this lot (9' centers) yielded a total of 572 linear feet of line. The primary system is proposed as 300 linear feet of Accepted (25% Reduction) drainfield with pressure manifold distribution. Trench depth (LOW SIDE) is specified at 30 inches. The repair system is proposed as 240 linear feet of PPBPS (50% Reduction) drainfield with low pressure distribution. Trench depth (LOW SIDE) is specified at 30 inches. There is 263 linear feet available for repair.

Session Law Requirements

An LSS Evaluation may be submitted in conjunction with a complete application to the LHD. The application shall include all information described in 15A NCAC 18A .1937(d) and be accompanied by a signed and dated statement from the applicant (owner or owner's legal representative) that reads as follows:

"The LSS Evaluation attached to this application is to be used to produce design and construction features for permitting in accordance with SL 2018-114 Section 11.(c).".

Owner Date

Print Name Kevin Klink
Signature _____ 10/19/21

The LSS Evaluation shall include a statement bearing the LSS seal and signature that reads as follows:

"The LSS Evaluation is being submitted pursuant to and meets the requirements of SL 2018-114 Section 11.(c)."

Disclaimer
This report reflects the findings of S&FS, PA. *This LSS Evaluation is being submitted pursuant to and meets the requirements of SL 2018-114 Section 11.(c).* Any site modifications that impact the proposed septic areas on Lot 5 of Woodstone Estates Subdivision may nullify this design. System design requirements and site requirements shall be adhered to for installation and Operations Permits to be issued by the local Health Department. If you have questions regarding these requirements a Pre-Construction meeting should be scheduled to discuss. Please contact S&FS if you have any questions regarding this report or the attached information. S&FS also offers septic system inspection, wetland delineation and forestry services.

Sincerely,



S. Ashley Rollans, LSS
Attachment: *Septic Design*

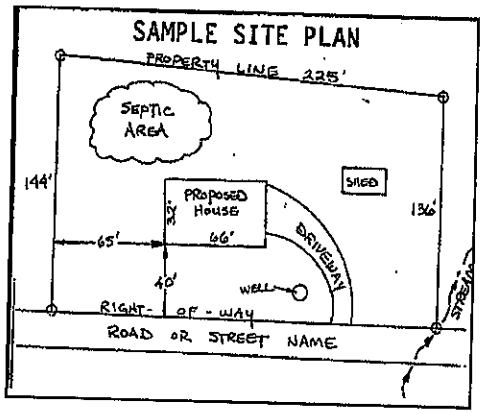
IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

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

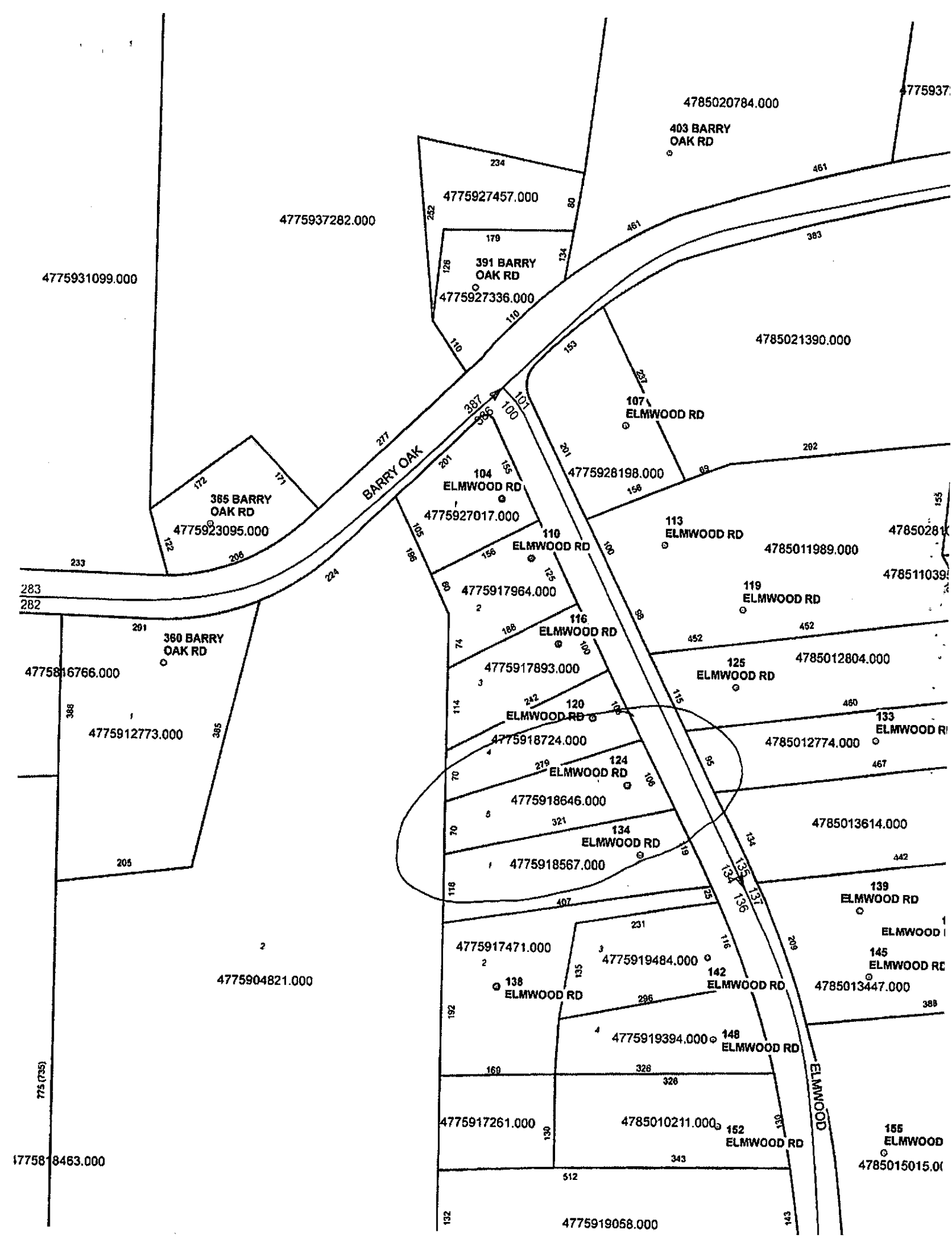
Show: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site

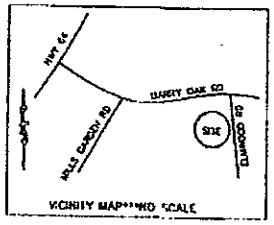
See Attached

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

10/19/21
DATE

S02°42'43"W
#4 REBAR
70.27'
70.27'
P31
P30
P32
P29
P27
P34
P33
P28
P35
P36
P26
P37
P25
P24
P38
P4
P3
P2
L72
L71
L70
LOT 5
0.59 AC.
LOT 4
0.57 AC.
OLD PL
HOUSE
50' X 50'
HOUSE
50' X 50'
N73°21'18"E
279.19'
S80°08'47"W
321.29'
N64°42'34"E
242.34'
DRIVE
DRIVE
ABANDON
POWER POLE
35' FRONT
35' FRONT
#4 REBAR
CP
MWOOD ROAD
PUBLIC R/W
SCALE
1" = 40'


4785020784.000
403 BARRY OAK RD
4775927457.000
4775937282.000
391 BARRY OAK RD
4775927336.000
4775931099.000
4785021390.000
107 ELMWOOD RD
4775928198.000
BARRY OAK
365 BARRY OAK RD
4775923095.000
104 ELMWOOD RD
4775927017.000
110 ELMWOOD RD
113 ELMWOOD RD
4785011989.000
119 ELMWOOD RD
4775917964.000
116 ELMWOOD RD
360 BARRY OAK RD
4775916766.000
4775917893.000
125 ELMWOOD RD
4785012804.000
120 ELMWOOD RD
4775912773.000
4775918724.000
124 ELMWOOD RD
4785012774.000
4775918646.000
134 ELMWOOD RD
4785013614.000
4775918567.000
139 ELMWOOD RD
4775917471.000
4775919484.000
138 ELMWOOD RD
142 ELMWOOD RD
4785013447.000
4775904821.000
4775919394.000
148 ELMWOOD RD
ELMWOOD
4775917261.000
4785010211.000
152 ELMWOOD RD
4775919058.000



VICINITY MAP*** NO SCALE

NOTES:

1) This property may be subject to any easements and/or Rights-of-way of record.
2) Tax Parcel No. 4775827032 & 4775818804 & 4775818638
3) Deed Ref. 2815\679
4) Property Zoned : RA
5) Minimum Building Setback Per County Zoning: 35' FRONT
35' REAR
15' SIDE
6) The property is located in CHAMBERSBURG CREEK TWSP., IREDELL CO., N.C.
7) TOTAL AC = 3.00 AC.
8) No geodetic monument found within 2000' of said property
9) The lots shown on this plat does not fall in a designated flood area
10) The sole purpose of this plat is to divide 3 parcels into 5 lots
11) AS OF THE DATE OF THIS RECORDING, THE LOTS REPRESENTED ON THIS PLAT HAVE NOT BEEN INSPECTED OR APPROVED BY THE IREDELL COUNTY HEALTH DEPT. UNTIL INSPECTED THERE IS NO ASSURANCE THAT A BUILDING PERMIT WILL BE ISSUED.
12) THE SUBJECT PROPERTY IS NOT LOCATED WITHIN A SPECIAL FLOOD HAZARD AREA ACCORDING TO FLOOD INSURANCE RATE MAP – COMMUNITY PANEL #3710477500J EFFECTIVE DATE: 03\16\2008.
13) All lots will be served by individual well and septic.
14) All lots are a minimum of a 200' at the front setback.
15) The smallest lot to be subdivided is lot 2 = (30,377 sq. ft.) 0.47 Ac.

SURVEYORS CERTIFICATION

I, WILLIAM M. ALLEN CERTIFY THAT THIS MAP WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION (DEED DESCRIPTION RECORDED IN BOOK 2815, PAGE 679); THAT THE RATIO OF PRECISION AS CALCULATED BY LATITUDES AND DEPARTURES IS 1:10000. (THAT THE BOUNDARIES NOT SURVEYED ARE SHOWN AS BROKEN LINES PLOTTED FROM INFORMATION FOUND IN BOOK 2815, PAGE 679); THAT THIS MAP WAS PREPARED IN ACCORDANCE WITH G.S. 47-30, AS AMENDED.

WITNESS MY HAND AND SEAL THIS 30 DAY OF Aug., A.D. 2021.

OFFICIAL SEAL

PROFESSIONAL LAND SURVEYOR

L-3499
REGISTRATION NUMBER

NORTH CAROLINA PROFESSIONAL SEAL L-3499 LAND SURVEYOR WILLIAM M. ALLEN

THIS SURVEY CREATES A SUBDIVISION OF LAND WITHIN THE AREA OF A COUNTY OR MUNICIPALITY THAT HAS AN ORDINANCE THAT REGULATES PARCELS OF LAND

PROFESSIONAL LAND SURVEYOR

LEGEND
- ⊙ = P.P. = POWER POLE
- □ = POWER UNITS.
- E.I.P. = EXISTING IRON FOUND
- I.P.S. = ½ REBAR SET
- R/W = RIGHT-OF-WAY
- ⊙' = COMPUTED POINT

I HEREBY CERTIFY THAT THE SUBDIVISION PLAT SHOWN HEREON HAS BEEN FOUND TO COMPLY WITH THE SUBDIVISION REGULATIONS OF THE COUNTY OF IREDELL, NORTH CAROLINA AND THAT THIS PLAT HAS BEEN APPROVED BY THE SUBDIVISION ADMINISTRATOR FOR RECORDING IN THE OFFICE OF REGISTER OF DEEDS OF IREDELL COUNTY.

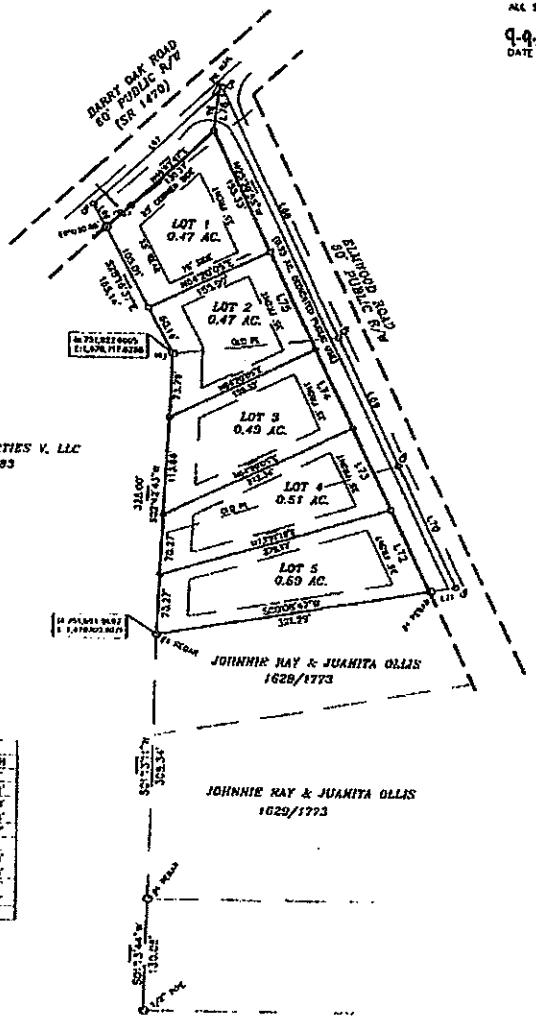
SUBDIVISION ADMINISTRATOR
IREDELL CO., NORTH CAROLINA

9-9-2021
DATE

PROXIMITY TO VOLUNTARY FARMLAND PRESERVATION DISTRICT

This property, or portions thereof, is located within 1\2 mile of a designated voluntary farmland preservation district. This program has been developed to inform all purchasers of real property that certain agricultural activities,

including but not limited to pesticides spraying, manure spreading, machinery and truck operations, livestock operations, sowing, and similar activities may take place in these districts any time during the day or night.



LOT	BEARING	LENGTH
L60	S 29°16'32" E	30.99'
L67	N 46°34'03" E	701.44'
L68	S 72°39'55" E	320.48'
L69	S 72°39'55" E	163.33'
L70	S 72°39'55" E	157.15'
L71	S 80°09'12" W	31.10'
L72	N 72°39'55" W	105.60'
L73	N 72°39'55" W	105.60'
L74	N 72°39'55" W	105.60'
L75	N 72°39'55" W	105.60'
L76	N 17°20'05" E	46.28'

I HEREBY CERTIFY THAT, TO THE BEST OF MY KNOWLEDGE, LOTS SHOWN ON THIS PLAT, DOES NOT LIE WITHIN A WATER SUPPLY WATERSHED AS DESIGNATED BY THE NORTH CAROLINA DIVISION OF ENVIRONMENTAL MANAGEMENT, AND APPEARS ON THE WATERSHED PROTECTION MAP OF IREDELL COUNTY.

9-9-2021
DATE

SUBDIVISION ADMINISTRATOR

STATE OF NORTH CAROLINA
COUNTY OF IREDELL

I, John Lowman, REVIEW OFFICER OF IREDELL COUNTY, CERTIFY THAT THE MAP OR PLAT TO WHICH THIS CERTIFICATION IS AFFIXED MEETS ALL STATUTORY REQUIREMENTS FOR RECORDING.

9-9-2021
DATE

REVIEW OFFICER

Doc ID#: 037721230001 Type: CRP
Recorded: 09/08/2021 at 04:33:39 PM
Fee Amt: $21.00 Page 1 of 1
Iredell County, NC
Maureen P. Purcell Register of Deeds
BK 74 PG 139

OWNERS CERTIFICATE AND NOTARIZATION

I HEREBY CERTIFY THAT I AM THE OWNER OF THE PROPERTY SHOWN AND DESCRIBED HEREON, WHICH IS LOCATED IN THE SUBDIVISION JURISDICTION OF THE COUNTY OF IREDELL AND THAT I HEREBY ADOPT THIS PLAN OF SUBDIVISION WITH MY FREE CONSENT AND ESTABLISH MINIMUM BUILDING SETBACKS AS NOTED, AND DEDICATE ALL ROADS, ALLEYS, WALKS, PARKS, AND OTHER SITES AND EASEMENTS TO PUBLIC OR PRIVATE USE AS NOTED.

I FURTHER CERTIFY THAT:

A. THERE ARE NO DEED RESTRICTIONS [illegible] WILL BE VIOLATED BY THE RECORDED SUBDIVISION; AND

B. THERE ARE NO GOVERNMENTAL REGULATIONS OF ANY KIND, OTHER THAN THOSE FOR WHICH A VARIANCE HAS BEEN APPLIED FOR UNDER IREDELL COUNTY SUBDIVISION ORDINANCE REGULATIONS, WHICH WILL BE VIOLATED BY THE REQUESTED SUBDIVISION; AND

C. I UNDERSTAND THAT ENFORCEMENT OF DEED RESTRICTIONS AND ANY OTHER CONTRACTUAL AGREEMENTS IS NOT THE RESPONSIBILITY OF IREDELL COUNTY, WILL NOT BE UNDERTAKEN BY IREDELL COUNTY, AND IS THE SOLE RESPONSIBILITY OF THE PARTIES AFFECTED, BY VIOLATIONS OF SUCH DEED RESTRICTIONS AND CONTRACTUAL AGREEMENTS.

8/30/21
DATE

OWNER/Member Manager

8/30/21
DATE

OWNER/Member Manager

NORTH CAROLINA
Union COUNTY

I, Kellye A. Dailey
A NOTARY PUBLIC FOR SAID COUNTY AND STATE
DO HEREBY CERTIFY THAT Kevin Klink & Teaville Klink

OWNER(S) PERSONALLY APPEARED BEFORE ME THIS DAY, AND ACKNOWLEDGED THE EXECUTION OF THE FOREGOING INSTRUMENT. WITNESS MY HAND AND OFFICIAL SEAL,

THIS 31 DAY OF September 2021.

Kellye A. Dailey
NOTARY PUBLIC

MY COMMISSION EXPIRES: 3-27-2024

KELLYE A. DAILEY NOTARY Public My Comm. Exp. 03-27-2024 UNION COUNTY, N.C.

MINOR SUBDIVISION
OF
WOODSTONE ESTATES

CHAMBERSBURG TWSP., IREDELL CO., N.C.

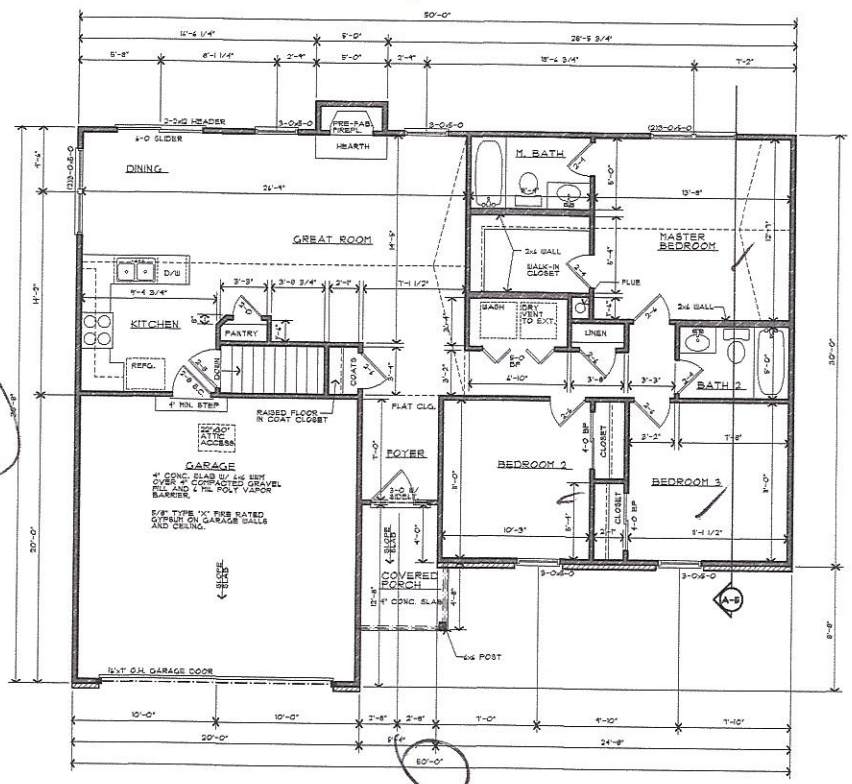
SCALE: 1" = 100'
DATE SURVEYED: 7/8/2021
DATE PLATED: 8/03/2021
Revised: 8/30/21 (Co. Comments)

OWNER: K & T PROPERTIES V, LLC
251 LITTLE FALLS DR.
WILMINGTON, NC 19808

GRAPHIC SCALE

(IN FEET)
1 inch = 100 ft.

DAS
DON ALLEN & ASSOCIATES P.A.
"Since 1971"
Commercial * Residential * Mortgage Surveys * Multi-Family Construction Staking * Subdivision Design * Topographical
131 Crowders Park Drive – Suite 102 * Mooresville, N.C. 28117
(704) 664-7020 (704) 664-8081 Fax
donallensurveying@yahoo.com



FIRST FLOOR PLAN
SCALE: 1/4" = 1'-0"

1277 SQ. FT. HEATED LIVING SPACE

FLOOR PLAN NOTES:

1. ALL EXTERIOR WALLS ARE 4" THICK INCLUDING EXT. SEAL SHEATHING AND ALL INTERIOR WALLS ARE 3 1/2" THICK UNLESS OTHERWISE NOTED ON FLOOR PLANS.

2. ■ DENOTES 3-2x4 POST UNLESS OTHERWISE NOTED ON FLOOR PLANS. PROVIDE SOLID BLOCKING BELOW ALL POSTS TO FOUNDATION.

3. NAILING SCHEDULE FOR BUILT-UP COLUMNS

THREE 2x4 LAMINATIONS WITH ONE ROW OF 8D COMMON WIRE NAILS (D=0.131", L=3 1/2") SPACED AT 12" O.C.

THREE 2x6 LAMINATIONS WITH TWO ROWS OF 30D COMMON WIRE NAILS (D=0.207", L=4 1/2") SPACED AT 12" O.C.

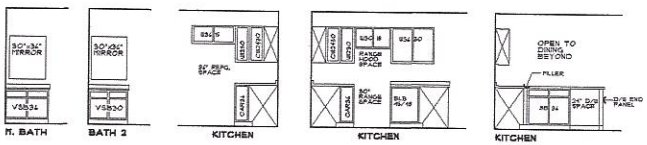
ALL NAILS PENETRATE AT LEAST 3/4 OF THE THICKNESS OF THE LAST LAMINATION.

4. FOR MULTIPLE LAMINATED WOOD BEAM MEMBERS, REFER TO MANUFACTURER'S NAILING/BOLTING SPECIFICATIONS FOR TOP AND SIDE LOADING CONDITIONS.

5. ALL INTERIOR DOOR HEADERS ARE 2-2x4'S W/ 1/2" PLYWOOD BETWEEN. ALL EXTERIOR DOOR AND WINDOW HEADERS ARE 2-2x6'S W/ 1/2" PLYWOOD BETWEEN UNLESS OTHERWISE NOTED ON PLANS. ALL HEADER LUMBER SHALL BE SYP #1 OR EQUAL.

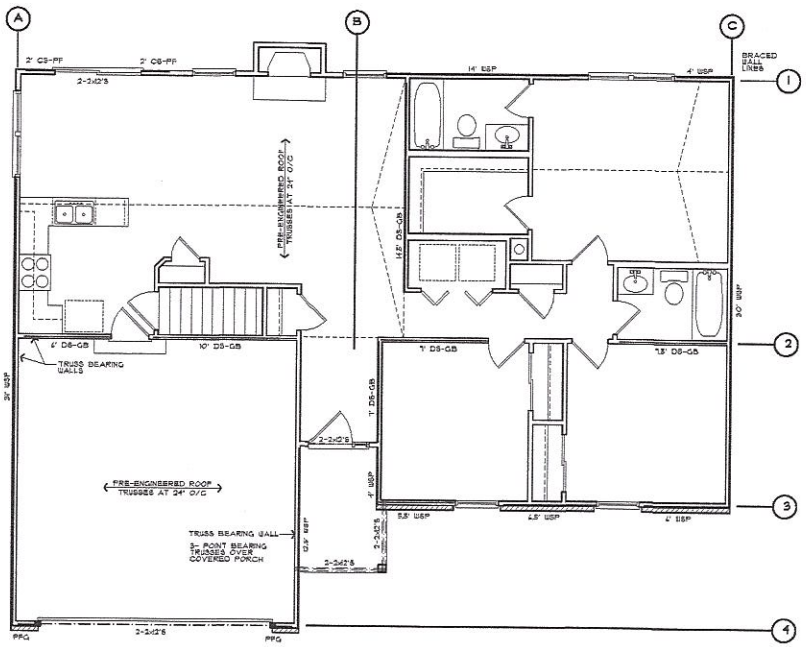
6. WINDOW SIZES SHOWN ARE THOSE OF ANDERSEN WINDOWS. SET TOPS AT 6'-8" ABOVE FLOOR.

7. DRIVEWAY AND SIDEWALK DESIGN AND MATERIAL SELECTION BY OWNER/CONTRACTOR.



CABINET ELEVATIONS
SCALE: 1/4" = 1'-0"

NOTE:
FINAL CABINET SIZES AND SELECTIONS TO BE DETERMINED BY OWNER/CONTRACTOR UPON FIELD VERIFYING ALL REQUIREMENTS PRIOR TO ORDERING CABINETRY.



1ST FLOOR BRACED WALL LINE, METHOD AND STRUCTURAL PLAN
SCALE: 1/4" = 1'-0"

RESIDENTIAL LATERAL SYSTEM LEGEND

ABBREVIATION	METHOD
WSP	WOOD STRUCTURAL PANEL
CS-WSP	CONTINUOUSLY SHEATHED WOOD STRUCTURAL PANEL
CS-PF	CONTINUOUSLY SHEATHED PORTAL FRAME
DB-GS	DOUBLE SIDED GYPSUM BOARD
PFG	PORTAL FRAME GARAGE
PFH	PORTAL FRAME WITH HOLDDOWN

Acknowledgement Of Plans Submittal ONLY!

Date 10/20/21

Date 10/25/21.

Great effort has gone into the design and engineering of these plans. However, due to the impossibility of providing any on-site supervision over the actual construction, the variance in local code requirements and other local building and weather conditions, Residential Design Services, Inc. assumes no responsibility for any damages, including structural failures, due to any deficiencies, omissions or errors in these plans.
Furthermore, should soil and/or weather conditions (i.e. hurricane, earthquake, snow, etc.) cause loads other than those indicated in the Building Specifications, or for any other unusual conditions, it is recommended that you consult with local building officials and a local architect or engineer prior to beginning construction.

RESIDENTIAL DESIGN SERVICES
RESIDENTIAL DESIGN SERVICES, INC.
14602 FAIRFIELD FARM DRIVE
CHESTERFIELD, MO 63017
314-434-1524
NOT A REGISTERED ARCHITECT
www.JustGreatHousePlans.com + www.JustGaragePlans.com

PLAN NO. 2002

COPYRIGHT 2021

REVISIONS	DATE: 11/8/99
2/15/2021	SHEET: 3 of 6

WELL ABANDONMENT RECORD

For Internal Use ONLY:

1. Well Contractor Information:

Kyle Ford
Well Contractor Name (or well owner personally abandoning well on his/her property)

4521
NC Well Contractor Certification Number

Advanced Well Drilling
Company Name

2. Well Construction Permit #: AP-322442
List all applicable well construction permits (i.e. UIC, County, State, Variance, etc.) if known

3. Well use (check well use):

Water Supply Well:	
☐Agricultural	☐Municipal/Public
☐Geothermal (Heating/Cooling Supply)	☐Residential Water Supply (single)
☐Industrial/Commercial	☐Residential Water Supply (shared)
☐Irrigation	
Non-Water Supply Well:	
☐Monitoring	☐Recovery
Injection Well:	
☐Aquifer Recharge	☐Groundwater Remediation
☐Aquifer Storage and Recovery	☐Salinity Barrier
☐Aquifer Test	☐Stormwater Drainage
☐Experimental Technology	☐Subsidence Control
☐Geothermal (Closed Loop)	☐Tracer
☐Geothermal (Heating/Cooling Return)	☐Other (explain under 7g)

4. Date well(s) abandoned: 11-4-21

5a. Well location:

PDM Properties
Facility/Owner Name

Facility ID# (if applicable)

124 Elmwood Road Statesville NC 28625
Physical Address, City, and Zip

Iredell
County

Parcel Identification No. (PIN)

5b. Latitude and longitude in degrees/minutes/seconds or decimal degrees:
(If well field, one lat/long is sufficient)

35.802732 N -80.754093 W

CONSTRUCTION DETAILS OF WELL(S) BEING ABANDONED
Attach well construction record(s) if available. For multiple injection or non-water supply wells ONLY with the same construction/abandonment, you can submit one form.

6a. Well ID#: _____

6b. Total well depth: 55 (ft.)

6c. Borehole diameter: 24 (in.)

6d. Water level below ground surface: 25 (ft.)

6e. Outer casing length (if known): 55 (ft.)

6f. Inner casing/tubing length (if known): N/A (ft.)

6g. Screen length (if known): N/A (ft.)

WELL ABANDONMENT DETAILS

7a. For Geoprobe/DPT or Closed-Loop Geothermal Wells having the same well construction/depth, only 1 GW-30 is needed. Indicate TOTAL NUMBER of wells abandoned: _____

7b. Approximate volume of water remaining in well(s): 600 (gal.)

FOR WATER SUPPLY WELLS ONLY:

7c. Type of disinfectant used: Chlorine #TH

7d. Amount of disinfectant used: 2 lbs

7e. Sealing materials used (check all that apply):

☐ Neat Cement Grout	☐ Bentonite Chips or Pellets
☐ Sand Cement Grout	☐ Dry Clay
☑ Concrete Grout	☐ Drill Cuttings
☐ Specialty Grout	☐ Gravel
☐ Bentonite Slurry	☐ Other (explain under 7g)

7f. For each material selected above, provide amount of materials used:

[redacted] 4 yards

7g. Provide a brief description of the abandonment procedure:

Area around well was dug down 6 inches below land surface and top tile removed. Well was disinfected and filled with concrete and plugged with one foot deep and one foot wide cap.

8. Certification:

Signature of Certified Well Contractor or Well Owner

11-4-21
Date

By signing this form, I hereby certify that the well(s) was (were) abandoned in accordance with 15A NCAC 02C .0100 or 2C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

9. Site diagram or additional well details:
You may use the back of this page to provide additional well site details or well abandonment details. You may also attach additional pages if necessary.

SUBMITTAL INSTRUCTIONS

10a. For All Wells: Submit this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

10b. For Injection Wells: In addition to sending the form to the address in 10a above, also submit one copy of this form within 30 days of completion of well abandonment to the following:

Division of Water Resources, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

10c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well abandonment to the county health department of the county where abandoned.

IREDELL COUNTY · NC

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

APPLICATION NUMBER

322462
Issue Date: 10/20/2021

Permit Type: ZONING

Parcel Number	Street Address	Jurisdiction
4775918646.000	124 ELMWOOD RD	Iredell County

Owner Information	Applicant Information
Name: K+T PROPERTIES V LLC	Name: PDM Properties LLC
Address:	Address: 127 Bluff Meadow Lane
	Mooresville, NC 28115
Phone:	Phone: (704)235-8443

Use Requested	Zone Code
Single Family Dwelling	RA

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
0	35	35	15	15	N/A	NO

Remarks
SFD SWMH HAS BEEN REMOVED

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

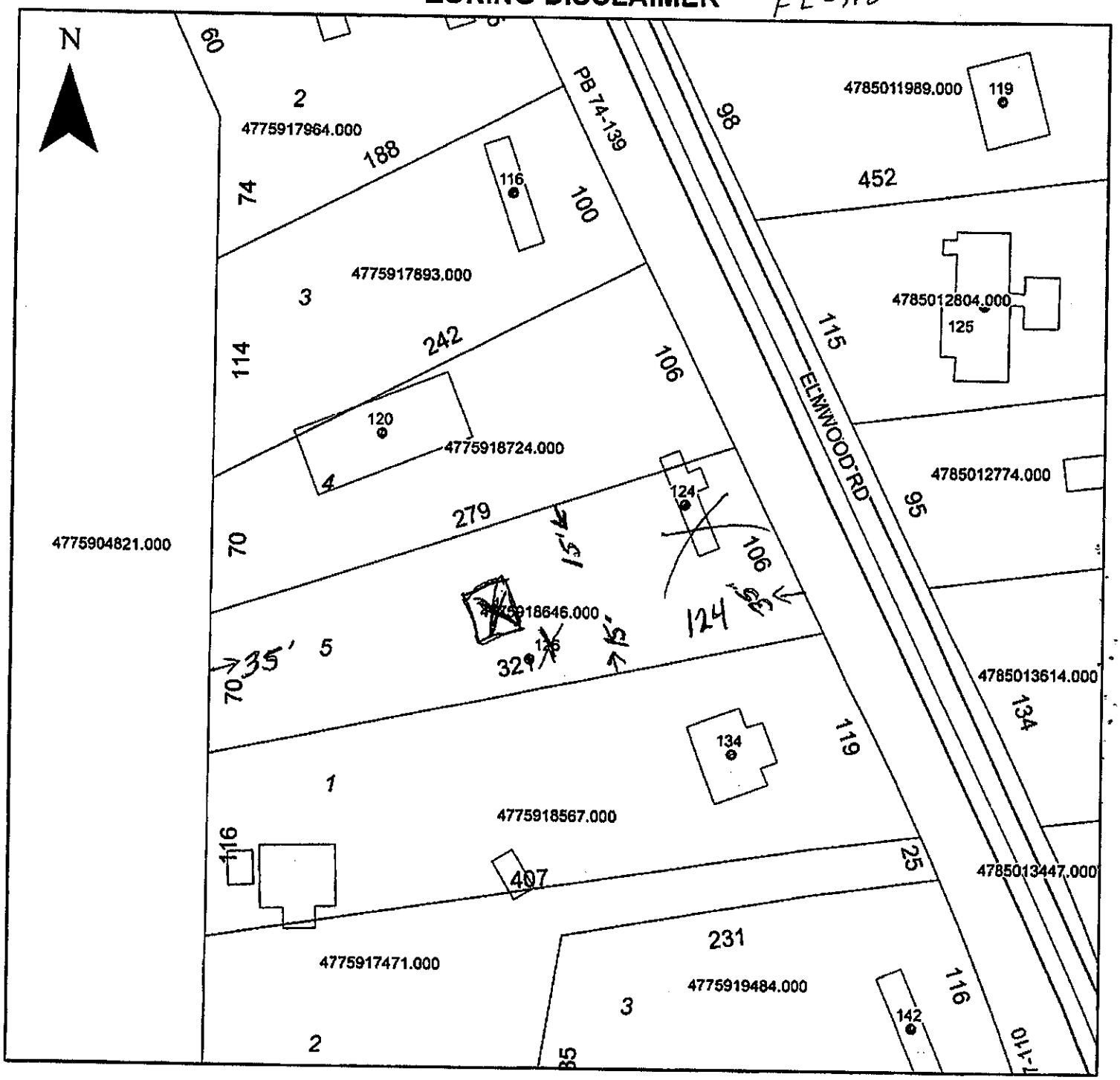
Date: 10/20/2021

Permit Number	322462

TOTAL FEES:	$77.25

KH
WS-NO
FL-NO

ZONING DISCLAIMER



Property Address 124 Elmwood Rd.

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

10/20/21
Date