ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 (H5) Mooresville Office (704) 660-3625 PERMIT # 241750

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

PIN # 4761-49-7499

APPLICANT/OWNER: ADAMS HOMES AEC LLC APPLICANT ADDRESS: 3401 SAINT VARDELL LANE, SUITE B, CHARLOTTE, N.C. 28217

SITE ADDRESS: 145 NORTHLAKE DRIVE, STATESVILLE, N.C. 28677 PHONE: 704-558-4527 ALT. PHONE 704-621-4664

SITE DIRECTIONS: (E) ON 70, (R) ON BETHESDA, (L) ON NORTHLAKE, LOT ON (L) SAP CONTROLLED: ☐ YES ☑ NO

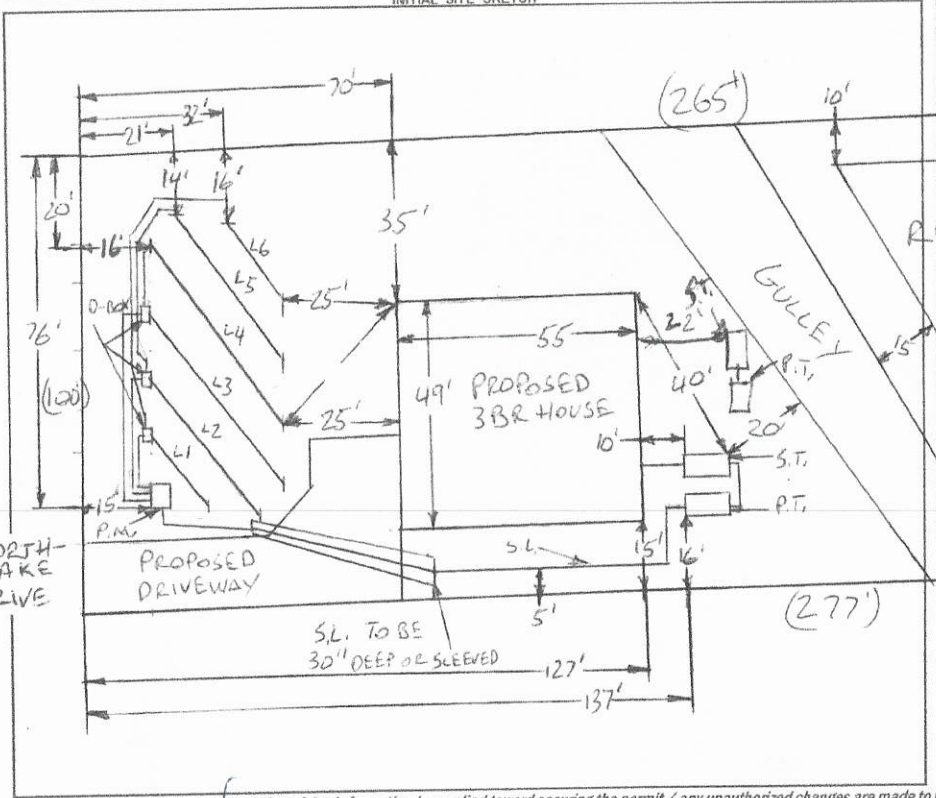
SUBDIVISION: NORTHLAKE SECTION: PIMI LOT # 48 LOT AREA: 0.62 AC DESIGN FLOW: 360GPD L.T.A.R.: 0.3

Septic Tank	1000	(gal)	STB	2071	Date	INFILTRATOR	☑ New System ☐ Repair ☐ Expansion	System Type: I II (III) IV V VI	☑ Residence	No. Bedrooms	3	Water Supply
Pump Tank	1000	(gal)	PT	2077	Date	INFILTRATOR	System Description:	50% REDUCTION - P.M.	☐ Business	No. Persons	6	☐ Private
Pump Make	ZOELLER	Model	BN-153		Serial #	ZK20L0X	Repair System Description:	50% REDUCTION	☐ Other	No. Employees	—	☑ Public
# Nitrification Fields	1	# Lines	6		Linear Ft:	216 FT	Maintenance Agreement Required:	☐ YES ☑ NO	☐ Slab	☑ Crawl Space		☐ Community
Trench Width	24 IN	Trench Bottom Depth(Low side)	30 IN		Gravel Depth	—		☐ GRAVITY ☑ PRESSURE	☐ Basement w/ plumbing		☐ Basement w/o plumbing	

Comments / Conditions: INSTALL ON CONTOUR, INSTALL ON 9FT CENTERS, UTILIZE PRESSURE MANIFOLD DISTRIBUTION, USE D-BOXES TO SPLIT TAPS TO EQUAL FEED BOTH LINES

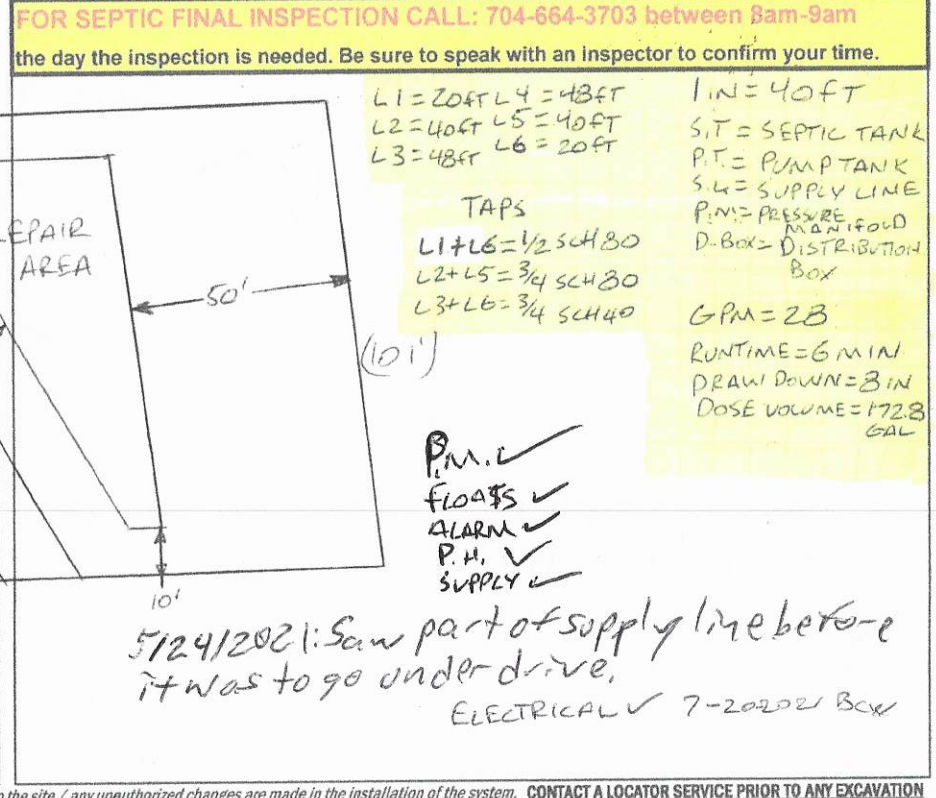
DIVERT WATER FROM TANKS

INITIAL SITE SKETCH



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.



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: [signature] Date: 9-30-20 Installed by: PRECISION EXCAVATION

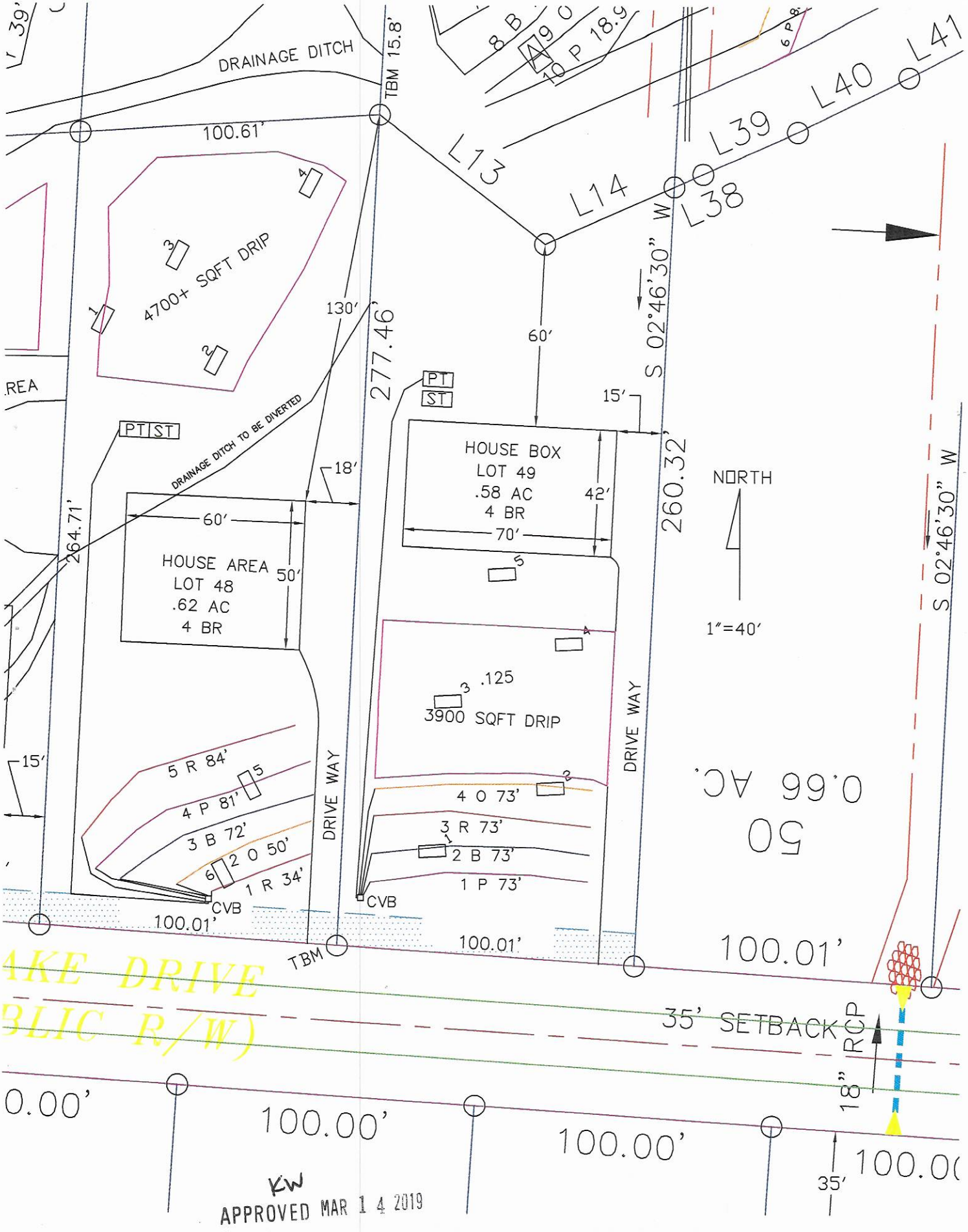
IMPROVEMENT PERMIT by: Bryant C. White Date: 9-18-2020 OPERATION PERMIT by: Bryant C. White Date: 7-20-2021

AUTHORIZATION TO CONSTRUCT by: Bryant C. White Date: 9-18-2020 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	7	
Electrical Checked Circuit Breakers	7/19/21	MD
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? _____	


DRAINAGE DITCH
TBM 15.8'
100.61'
L13
L14
L38
L39
L40
L41
4700+ SQFT DRIP
130'
277.46'
60'
S 02°46'30" W
15'
PT
ST
HOUSE BOX
LOT 49
.58 AC
4 BR
42'
70'
260.32'
NORTH
1"=40'
DRAINAGE DITCH TO BE DIVERTED
18'
264.71'
HOUSE AREA
LOT 48
.62 AC
4 BR
60'
50'
.125
3900 SQFT DRIP
DRIVE WAY
5 R 84'
4 P 81'
3 B 72'
2 O 50'
1 R 34'
4 O 73'
3 R 73'
2 B 73'
1 P 73'
CVB
100.01'
TBM
0.66 AC.
50
35' SETBACK
RCP
18"
0.00'
100.00'
100.00'
100.0
35'
KW
APPROVED MAR 1 4 2019

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

PROPERTY ID #: 4761-49-24
COUNTY: IREDELL

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

OWNER: ADAMS HOMES AEC, LLC,
ADDRESS: 3401 SAINT VARDELL LANE, SUITE B, CHARLOTTE, N.C. 28217
PROPOSED FACILITY: 3BR
PROPOSED DESIGN FLOW (.1949): 360GPD
LOCATION OF SITE: 145 NORTHLAKE DRIVE, STATESVILLE, N.C. 28677
APPLICATION DATE 5-6-2020
DATE EVALUATED: 7-20-2020
PROPERTY SIZE: 0.62 AC
PROPERTY RECORDED: YES

WATER SUPPLY: ☐ Private ☑ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☐ Auger Boring ☑ Pit ☐ Cut
TYPE OF WASTEWATER: ☑ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
1									
2				SEE ATTACHED					
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	~~50~~ %	50%
Site LTAR	0.3	0.3

OTHER FACTORS (.1946): PS TOPO
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Burnt Cumbee
OTHER(S) PRESENT:

COMMENTS:

SOIL/SITE EVALUATION

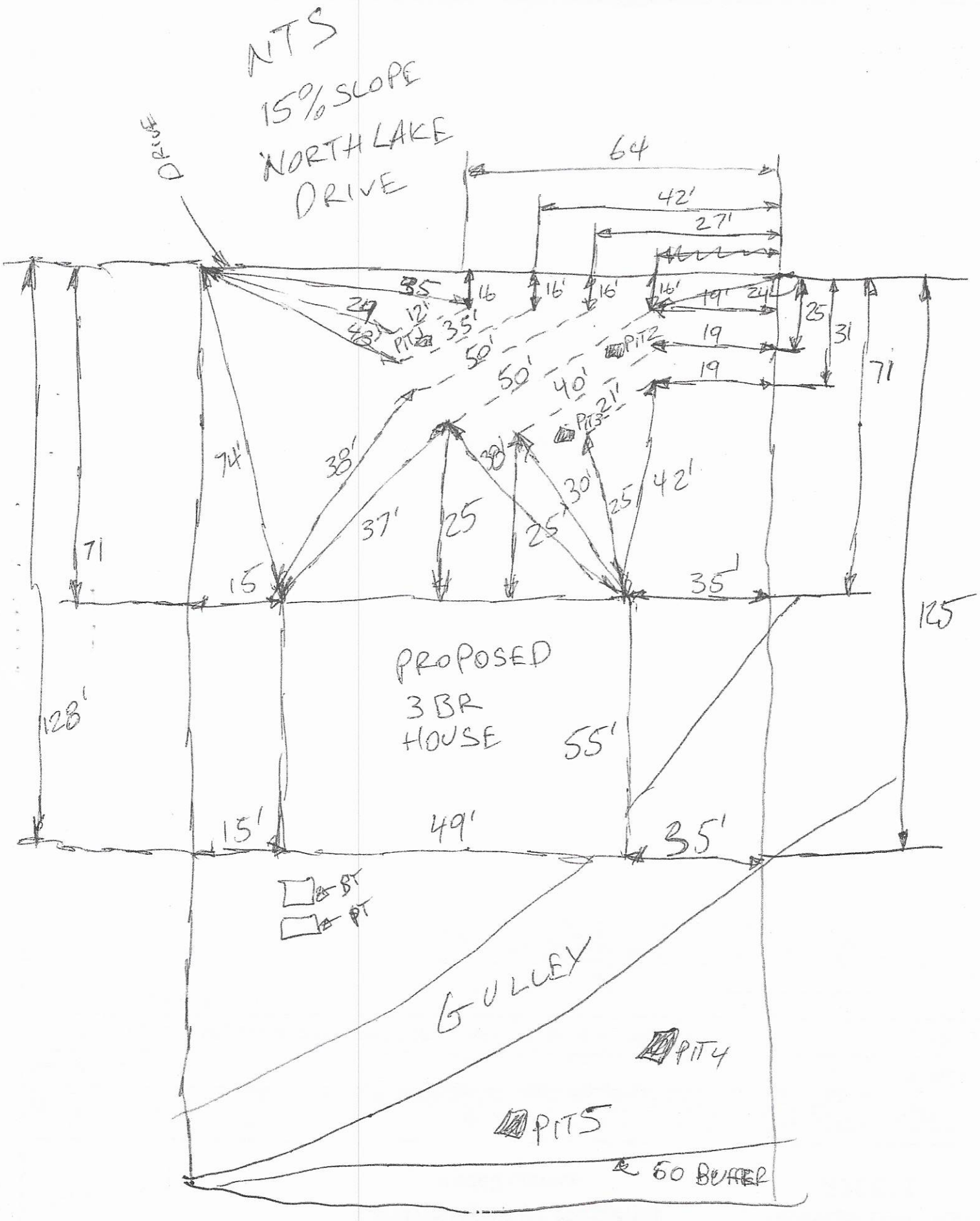
(Continuation Sheet-Complete all field in full)

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

PROPERTY ID #: 4761-49-7499
DATE OF EVALUATION: 7-20-2020
COUNTY: IREDELL

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	LINEAR SIDE 16%	0-12	SL, SBK	FR, SS, SP, SEXP	MANY SAP INC THRU OUT FEW FI	52"	PS II SL	NA	PS .35
		12-24	CL, SBK	FR, S, P, SEXP					
		24-52	CL, WSBK	VFR, SS, SP, SEXP					
		52-60	SAP, MAS	VFR, SS, NP, SEXP					
2	LINEAR SIDE 16%	0-14	SL, SBK	FR, SS, SP, SEXP	SAP INC THRU OUT FEW FI	55"+	NA	NA	PS .325
		14-26	CL, SBK	FR, S, P, SEXP					
		26-55	CL, WSBK	VFR, SS, SP, SEXP					
3	LINEAR SIDE 16%	0-15	SL, SBK	FR, SS, SP, SEXP	SAP INC THRU OUT FEW Y/B 20"-29"	53"+	NA	NA	PS .3
		15-29	CL, SBK	FR, S, P, SEXP					
		29-53	CL, WSBK	FR, SS, SP, SEXP					
4	NOSE 8%	0-31	CL, SBK	FR, SS, SP, SEXP	SAP INC THRU OUT	48"+	NA	NA	PS .3
		31-48	CL, WABK	FR, SS, SP, SEXP					
5	LINEAR SIDE 8%	0-32	CL, SBK	FR, S, P, SEXP	SAP INC THRU OUT	48"+	NA	NA	PS .3
		32-48	CL, WABK	FR, SS, SP, SEXP					

COMMENTS:


NTS
15% SLOPE
NORTH LAKE DRIVE
DRIVE
64
42'
27'
35
16
16'
16'
16'
19'
24'
25
31
71
24'
12'
48'
PIT1
35'
50'
50'
40'
PIT2
19
19
PIT3
21'
74'
38'
38'
30'
25
42'
37'
25
25'
71
15'
35'
125
PROPOSED
3 BR
HOUSE
55'
128'
15'
49'
35'
BT
PT
GULLEY
PIT4
PIT5
50 BUFFER

Carolina Soil & Septic Consulting, PLLC

P.O. Box 1703, Mooresville, NC 28115
Phone: (704) 202-5791 Email: adrianpruett@yahoo.com
NC Licensed Soil Scientist, SC Professional Soil Classifier,
Certified Septic System Operator, Licensed Septic Installer,
Certified Septic Inspector

Attached is a proposed design for a PPBPS Septic System with LOW PRESSURE distribution for a 4 bedroom single family residence in Northlake Subdivision lot 48, Iredell County, North Carolina.

Contents: **Page**

Installer Information---------- 1

Design Information
- Install Specifications---------- 2
- Field Layout Specifications---------- 3
- Tapsheet---------- 4

Typical Pressure Manifold Diagram---------- 5

Site Plan/System Plan---------- 6

Dosing Calculations---------- 7

Profile Descriptions---------- 8-9

December 17, 2018
Job Number: 17133
Design By: Jacob Conrad



INSTALLER INFORMATION:

- The permit should be read very carefully prior to submitting bid. The following are details that must be considered along with all other considerations.
- Tanks shall be approved by NC DHHS, and certification supplied by the manufacturer.
- All tanks shall be properly back filled and compacted to prevent slump at a later date.
- The installer is responsible for final grades and returning that grade to original, with exception of added structural features.
- The supply trench shall be compacted to eliminate any 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.
- Where required by the county health department, post installation inspections by the designer must be scheduled 5 week days in advance.
- Trenches shall be carefully excavated so the bottom has no more than 1/4"fall in 10 feet with no high or low areas within. If high or low areas do exist after trench excavation, high areas should be removed rather than filling in low areas. Do not over excavate trenches! Any fine grading should be completed by hand with a rake and shovel, leaving no loose material.
- All pipe openings in the tanks shall be properly grouted. This also applies to the joints around the riser.
- Earth dams, constructed of relatively impervious material, shall be installed at the beginning and end of each lateral to prevent unwanted lateral water movement.
- Elevations at pin flag locations should be checked by the installer prior to beginning trenches to insure accuracy.
- Pump tank riser should be 6" above grade, control panel should be 12" above grade.
- If septic tank risers are used they should be a minimum of 6" above finished grade or within 6" of final grade if buried.
- Backfill minimum of 6" of material (County Approved) over panels, rake trench walls, lime side walls, install trenches **24"** wide.
- **System is specified as a PPBPS with LOW PRESSURE Distribution.**
- **Repair is specified as a DRIP IRRIGATION with LOW PRESSURE Distribution**
- **If grading for slab foundation is utilized do not grade/create greater than 2 ft of elevation difference within 15 ft of any component of the septic or repair. If back filling do not backfill over any initial or repair septic line.**

LP PPBPS
DESIGN SPECIFICATIONS
NORTHLAKE LOT 48

Owner:	Lakeside Vista Partners, LLC
Address:	PO BOX 2091 Cornelius, NC 28031
Telephone Number:	704-452-7000
Drainfield Design Flow (gpd):	480
Loading/Soil Application Rate (gpd/ft.^{2}):	0.25
Depth of Gravel in Trench:	NA (PPBPS)
Gravel Size:	NA (PPBPS)
Total Lateral Length From Layout:	321
Total Lateral Length Required:	320
Trench Depth:	32 in. LOW SIDE
Trench Width:	24 in.
Trench Bottom Area:	963
Trench Spacing:	8 ft
Repair Trench Depth:	6 in.
Repair Trench Spacing:	2 ft.
Septic Tank Size:	1000
Pump Tank Size:	1000
Estimated Supply Line Length:	205
Supply Line Diameter:	2 in. SCH 40 PVC
Supply Line Volume:	35.67
Dosing Volume:	270.00
Pump Tank Draw Down:	12.9
Recommended Dosing Controls:	Float Control Switches as Required for Control Panel or County Approved Equivalents
Recommended Control Panel:	NEMA 4X Control Panel or Equivalent, County Approved Control Panel.
Pressure Head:	2 ft.
Friction Head:	2.37
Elevation Head:	21.90
Total Dynamic Head:	34.51
Threaded Union:	In Tank
Gate Valves:	1 in Tank 1 at Pressure Manifold
Check Valves:	In Tank
Anti-Siphon Hole:	***No***
Additional Comments:	Soil suitability was performed by BEN ALDRIDGE, REHS

APPROVED MAR 1 4 2019
KW

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

FIELD LAYOUT SPECIFICATIONS
NORTHLAKE LOT 48

LAYOUT FOR 4 BEDROOM HOME

December 17, 2018

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM				1.90	100.00		
INSTR. 1			101.90				
HOUSE				21.00	80.90		
TANK				22.00	79.90		
1	***RED***			*5.10*	*96.80*	*34*	*34*
2	***ORANGE***			*6.40*	*95.50*	*50*	*50*
3	***BLUE***			*7.80*	*94.10*	*72*	*72*
4	***PINK***			*9.60*	*92.30*	*81*	*81*
5	***RED***			*10.70*	*91.20*	*84*	*84*
4	PINK					4700SQFT+	4700SQFT+
					Total	**321**	**321**

	LINE LENGTH	SYSTEM TYPE	SOIL LTAR GPD/FT[1]	TRENCH SYSTEM	DISTRIBUTION
** System*	*321*	***MOD.***	*0.250*	***PPBPS***	**LOW PRESSURE**
Repair	4700 SQFT	***INNOV.***	0.125	DRIP IRRIGATION	LOW PRESSURE

Notes:
** TBM located at front left corner (all elevations are best estimates)
**All measures in feet
**Nitrification lines are demonstrated on contour via colored pin flags
**BS, HI, and FS indicate rod readings

Comments: **IREDELL Co. has pemission to relocate tanks, supply line or change distribution method as needed Drainage ditch shown on site plan is a continuation of drainage from the culvert pipe between lots 46 & 47 and is to be diverted into the recorded public storm drainage easement between lots 46 & 47.**

KW

APPROVED MAR 1 4 2019

LOW PRESSURE PPBPS TAPSHEET
NORTHLAKE LOT 48
SYSTEM

Line #	Color	Elevation	Length	Hole Size	Flow/hole	Trench Area	Number of Panels
1	***RED***	***96.80***	***34***	0.156	**0.41**	68	8
2	***ORANGE***	***95.50***	***50***	0.156	**0.41**	100	12
3	***BLUE***	***94.10***	***72***	0.156	**0.41**	144	17
4	***PINK***	***92.30***	***81***	0.156	**0.41**	162	19
5	***RED***	***91.20***	***84***	0.156	**0.41**	168	19
							75
	total	**feet =**	**321**	**gal/min =**	**30.75**		
			Des. Flow	**480**			
			Pump Run=	**8.78**			
			soil LTAR	**0.25**			

.156 equals 5/32 inch hole

KW

APPROVED MAR 1 4 2019

CALCULATIONS

Location
Subdivision: NORTHLAKE
Lot No: 48

No. of Bedrooms	4	
Design Flow	480	$^{gal}/_{day}$
LTAR	0.25	$^{gpd}/_{ft^2}$
PPBPS RED.? (YES OR NO)	YES	
Supply Line Length	205	ft.
Supply Line Volume	35.67	gal.
Required Feet of Line	320	ft.
Amount of Line from Layout	321	ft.
Gallons per Minute	30.75	$^{gal}/_{min}$
Required Septic Tank Capacity	1000	gal.
Minimum Standard Tank Size	1000	
Panel Volume	3.6	
Number of Panels	75	
Dosing Volume	270.00	gal.

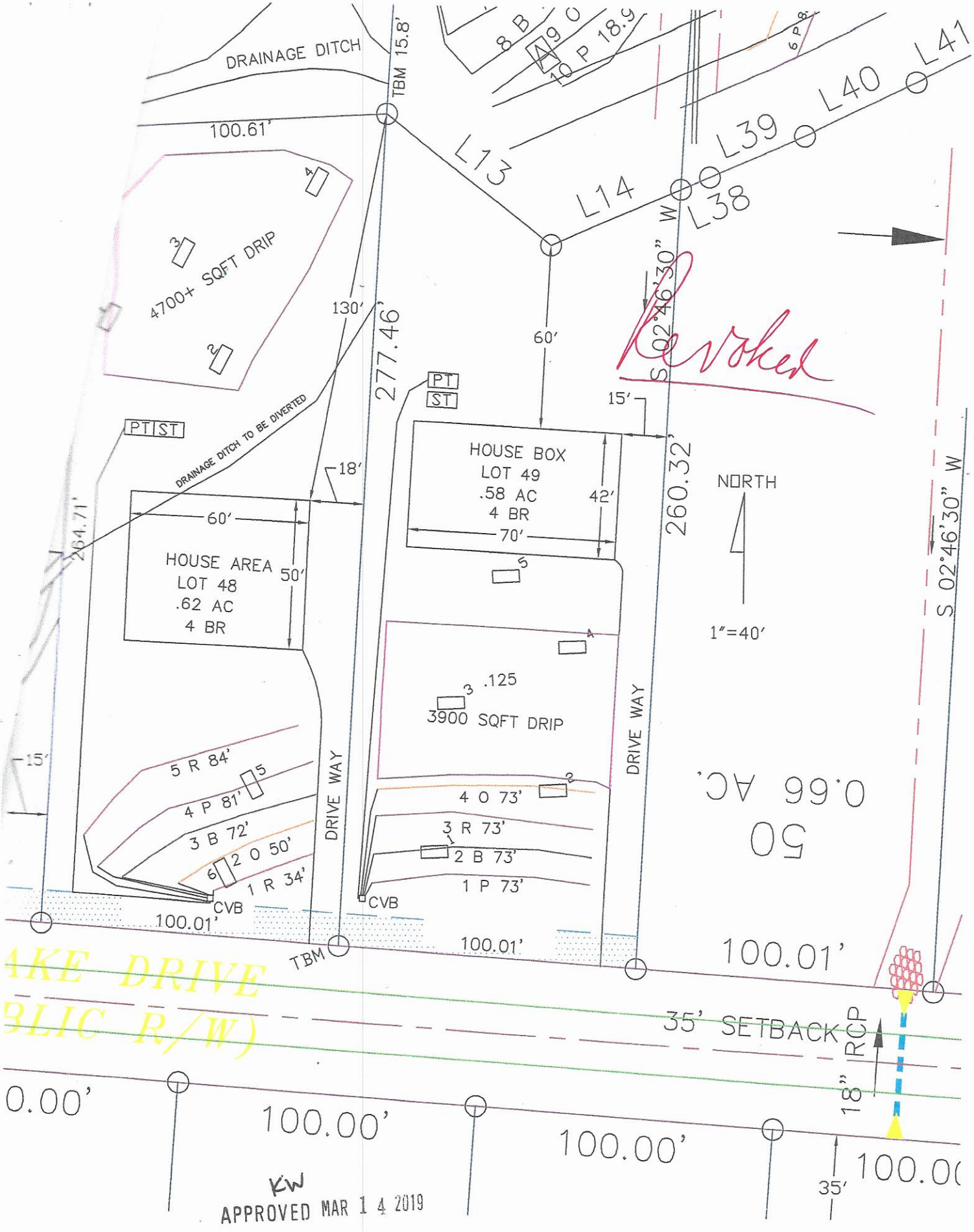
Note: Dosing Volume based on 100% of # of panels times 3.6gal/panel

Tank Draw Down	12.9	*Generic Draw Down of 21 gal.per in.*
Pump Run Time	8.78	minutes
Elevation Head	21.9	ft.
Pressure Head	2	ft.
Friction Factor	2.37	ft./100 ft. *(From the interpolater.)*
Friction Head	4.86	ft.
Total Dynamic Head (+20%)	34.51	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

KW
APPROVED MAR 1 4 2019


DRAINAGE DITCH
TBM 15.8'
100.61'
L13
L14
L38
L39
L40
L41
4700+ SQFT DRIP
130'
277.46'
60'
S 02°46'30" W
Revoked
PT
ST
15'
DRAINAGE DITCH TO BE DIVERTED
18'
HOUSE BOX
LOT 49
.58 AC
4 BR
42'
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NORTH
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DRIVE WAY
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1 R 34'
4 O 73'
3 R 73'
2 B 73'
1 P 73'
CVB
100.01'
TBM
0.66 AC.
50
35' SETBACK
RCP
18"
0.00'
100.00'
100.00'
100.00'
35'
KW
APPROVED MAR 1 4 2019

PROP. ID #: 4761497499
COUNTY: IREDELL

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

OWNER: LAKESIDE VISTA LLC
ADDRESS: PO Box 2091, Cornelius, NC 28031
PROPOSED FACILITY: SFR PROPOSED DESIGN FLOW (.1949): 480
LOCATION OF SITE: 145 NORTHLAKE DRIVE, LOT 48
WATER SUPPLY: PRIVATE X PUBLIC WELL SPRING OTHER:
EVAL. METHOD: A. BORING X PIT CUT **WASTEWATER TYPE** X SEWAGE INDUSTRIAL PROCESS MIXED

APPLICATION DATE:
DATE EVALUATED: 12/19/2018
PROPERTY SIZE: 0.62
PROPERTY RECORDED: YES

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE MINERALOGY	.1942 SOIL WETNESS/C OLOR	.1943 SOIL DEPTH	.1956 SAPROLITE CLASS	.1944 RESTR HORIZON	
1	LS 7%	0-24	RC SABK	FI S SP SEXP	CHR2 24"-48"	48"	N/A	24"	0.275 TO 24"
		24-48	RC WABK	FI S P SEXP					
2	LS 8%	0-9	SCL WSBK	FR SS SP SEXP	CHR2 27"-48"	52"	N/A	27"	0.275 TO 27"
		9-42	RC SABK	FR S SP SEXP					
		42-52	RC WABK	FR S SP SEXP					
3	18+ platy LS 8%	0-25	RC SABK	FR S SP SEXP	CHR2 21" FEW MANG THROUGH OUT	50"	N/A	21"	.25 TO 21"
		25-50	RC WABK	FI S P SEXP					
4	LS 8%	0-27	RC SABK	FR S SP SEXP	CHR2 21" FEW MANG THROUGH OUT	49"	N/A	21"	.25 TO 24"
		27-49	RC WABK	FI S P SEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	OTHER FACTORS (.1946): NONE
AVAILABLE SPACE (.1945)	PS	PS	SITE CLASSIFICATION (.1948): PS
SYSTEM TYPE(S)	LP PPBPS	DRIP IRRIG.	EVALUATED BY: BEN ALDRIDGE
SITE LTAR	~~0.275~~ .25	0.125	OTHER(S) PRESENT: JACOB CONRAD MICHAEL TUCKER
COMMENTS			

KW

APPROVED MAR 1 4 2019

SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

Sheet 2 OF 2

PROP. ID #: 4761497499

COUNTY: Iredell

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE MINERALOGY	.1942 SOIL WETNESS/C OLOR	.1943 SOIL DEPTH	.1956 SAPROLITE CLASS	.1944 RESTR HORIZON	
5	LS 13%	0-21	SCL WSBK	VFR SS SP SEXP	FEW LITHO	53"	FEW INC 44-53"	53"+	0.275
		21-44	RC W/MABK	FI S SP SEXP					
		44-53	RCL WSBK	FR SS SP SEXP					
			FEW FLOATER ROCKS						
6	LS 12%	0-19	SCL WSBK	VFR SS SP SEXP	FEW YBR 19-36" BLEEDING FROM SURFACE	56"	N/A	56+	0.25
		19-36	RC MABK	FI S SP SEXP					
		36-56	RC WSBK	FI S SP SEXP					

not marked

RECEIVED MAY 7 2020

Paid $500.00

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH #241750

APPLICATION FORM

Application For: ( ) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
( ) Septic Improvement Permit (X) Authorization to Construct ( ) Existing System Inspection ( ) Septic System Repair

THE ABOVE PERMIT DOCUMENTS WILL BECOME INVALID IF INFORMATION PROVIDED ON THIS APPLICATION IS FALSIFIED OR CHANGED, OR IF THE SITE IS ALTERED. THE IMPROVEMENT PERMIT IS VALID FOR EITHER 60 MONTHS OR WITHOUT EXPIRATION DEPENDING UPON DOCUMENTATION SUBMITTED. APPLICATION WITH SITE PLAN 60 MONTHS, APPLICATION WITH COMPLETE, SCALED PLAT WITHOUT EXPIRATION. SEE 15A NCAC 18A .1937(f) FOR DETAILS.

Page 2: *Site Plan Worksheet* form MUST accompany this application

The following optional attachments may also be submitted: ( ) 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: Cynthia Bladning **Address:** 3401 Saint Vardell Lane, Suite B, Charlotte, NC **Zip:** 28217

Applicant Email: submit@maipermits.com **Phone:** (704) 621-4664 **Alt. Phone:** (704) 884-1548

Owner Name: Adams Homes AEC, LLC **Address:** 3401 Saint Vardell Lane, Suite B, Charlotte, NC **Zip:** 28217

Owner Email: charlottewarranty@adamshomes.com **Phone:** (704) 558-4527 **Alt. Phone:** _____

Property Information:

Street Address: 145 Northlake Drive, Statesville, NC 28677

Subdivision Name: Northlakes **Section/Phase:** _____ **Lot Number:** 48

Driving Directions: I-77 North, exit 42, right onto NC-115 / US-21 toward Troutman , Turn left onto US-21 N / NC-115 N, Turn right onto Ostwalt Amity Rd, Turn left onto Bethesda Rd, Turn right onto Northlake Dr

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: _____

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

CHECK FOUNDATION TYPE
(X) 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: _____
(X) 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: Cynthia Blanding May 6, 2020
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

Northlake Lot: **48**

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

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, Adams Homes NEZ, LLC, am the legal owner(s) of the property located at 145 Northlake Drive, Statesville, NC 28677, identified as PIN (Parcel Identification Number) 4761-497-499, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) Cynthia Blanding, MAJ Permits Inc., 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 _____ MANAGER 7/19/2016
Signature of Owner(s) Date

X _____ 7.19.16
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

145 Northlake Drive, Statesville, NC 28677 Lot 48

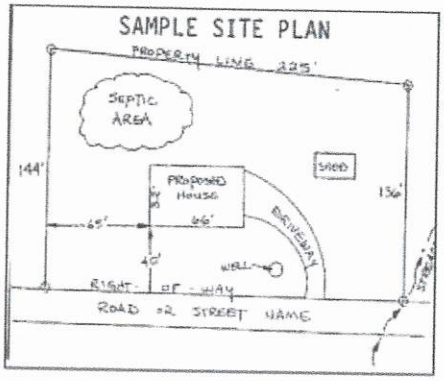
IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

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

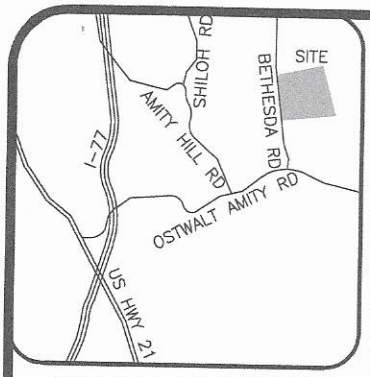
Please see attached

Signature: Cynthia Blanding

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

May 6, 2020

DATE



VICINITY MAP (NTS)

LEGEND

AC=AIR CONDITIONING UNIT
BOC=BACK OF CURB
DW=CONC DRIVEWAY
EB=ELECTRIC BOX
EOP=EDGE OF PAVEMENT
P=PATIO
PO=PORCH
SCO=CLEANOUT
SW=SIDEWALK
TP=TELEPHONE PEDESTAL
WM=WATER METER
IRON PIPE FOUND
IRON PIPE SET
NAIL SET

PLAT NORTH PB 53, PG 94

THIS SURVEY IS OF AN EXISTING PARCEL OR PARCELS OF LAND AND DOES NOT CREATE A NEW STREET OR CHANGE AN EXISTING STREET.

SHAWN T. RUMBERGER, PLS L-4909 DATE

THIS MAP IS ONLY INTENDED FOR THE PARTIES AND PURPOSES SHOWN. THIS MAP IS NOT FOR RECORDATION. NO TITLE REPORT PROVIDED.
GENERAL NOTES:

1. ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES IN U.S. SURVEY FEET UNLESS OTHERWISE NOTED.

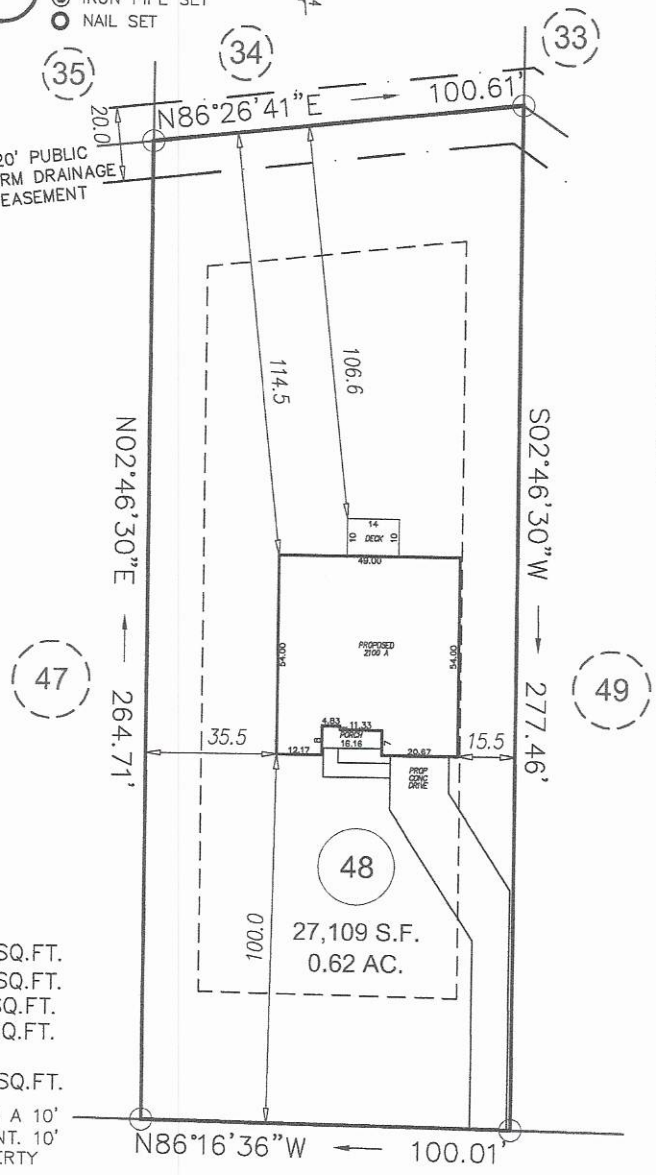
2. AREAS SHOWN HEREON WERE COMPUTED USING THE COORDINATE METHOD.

3. LINES NOT SURVEYED ARE SHOWN AS DASHED LINES FROM INFORMATION REFERENCED ON THE FACE OF THIS SURVEY.

4. PROPERTY MAY BE SUBJECT TO ANY/ALL EASEMENTS AND RESTRICTIONS OF RECORD. THIS SURVEY IS A CORRECT REPRESENTATION OF THE LAND PLATTED AND OR DEEDED AND HAS BEEN PREPARED IN CONFORMITY WITH NORTH CAROLINA STANDARDS, G.S. 47-30, AND REQUIREMENTS OF LAW, BUT WITHOUT A FULL TITLE REPORT. A NORTH CAROLINA LICENSED ATTORNEY-AT-LAW SHOULD BE CONSULTED REGARDING CORRECT OWNERSHIP, WIDTH AND LOCATION OF EASEMENTS, AND OTHER TITLE QUESTIONS REVEALED BY TITLE EXAMINATION.

5. DRIVEWAY IMPERVIOUS CALCULATION SHOWN HEREON CALCULATED TO THE FRONT PROPERTY LINE/RIGHT-OF-WAY.

HOUSE SHOWN HEREON IS SITTING LESS THAN 1' FROM RIGHT SIDE SETBACK LINE.



N O R T H L A K E D R I V E
50' PUBLIC R/W

SETBACKS

FRONT	35'
SIDE	15'
REAR	35'
SIDE STREET	25'

IMPERVIOUS AREA

HOUSE	2,613 SQ.FT.
DRIVE TO R/W	1,362 SQ.FT.
WALK	88 SQ.FT.
DECK	140 SQ.FT.
TOTAL	4,203 SQ.FT.

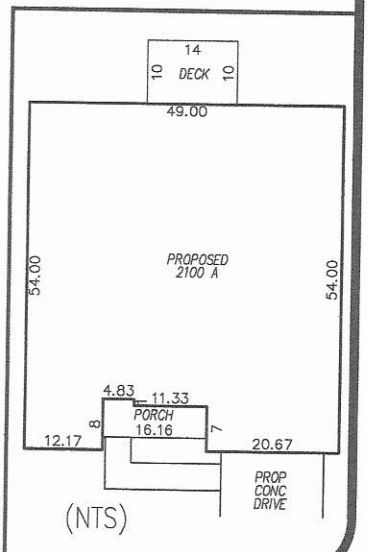
NOTE: ALL LOTS SUBJECT TO A 10' UTILITY & DRAINAGE EASEMENT. 10' ON EACH SIDE OF ALL PROPERTY LINES.

REVISION: MOVED HOUSE TO SIT NEXT TO SIDE SETBACK LINE PER REQUEST 05-05-2020 CKR
REVISION: MOVED HOUSE TO ACCOMMODATE SEPTIC AREA PER REQUEST 05-06-2020 CKR

GRAPHIC SCALE

50 0 25

1 inch = 50 ft.



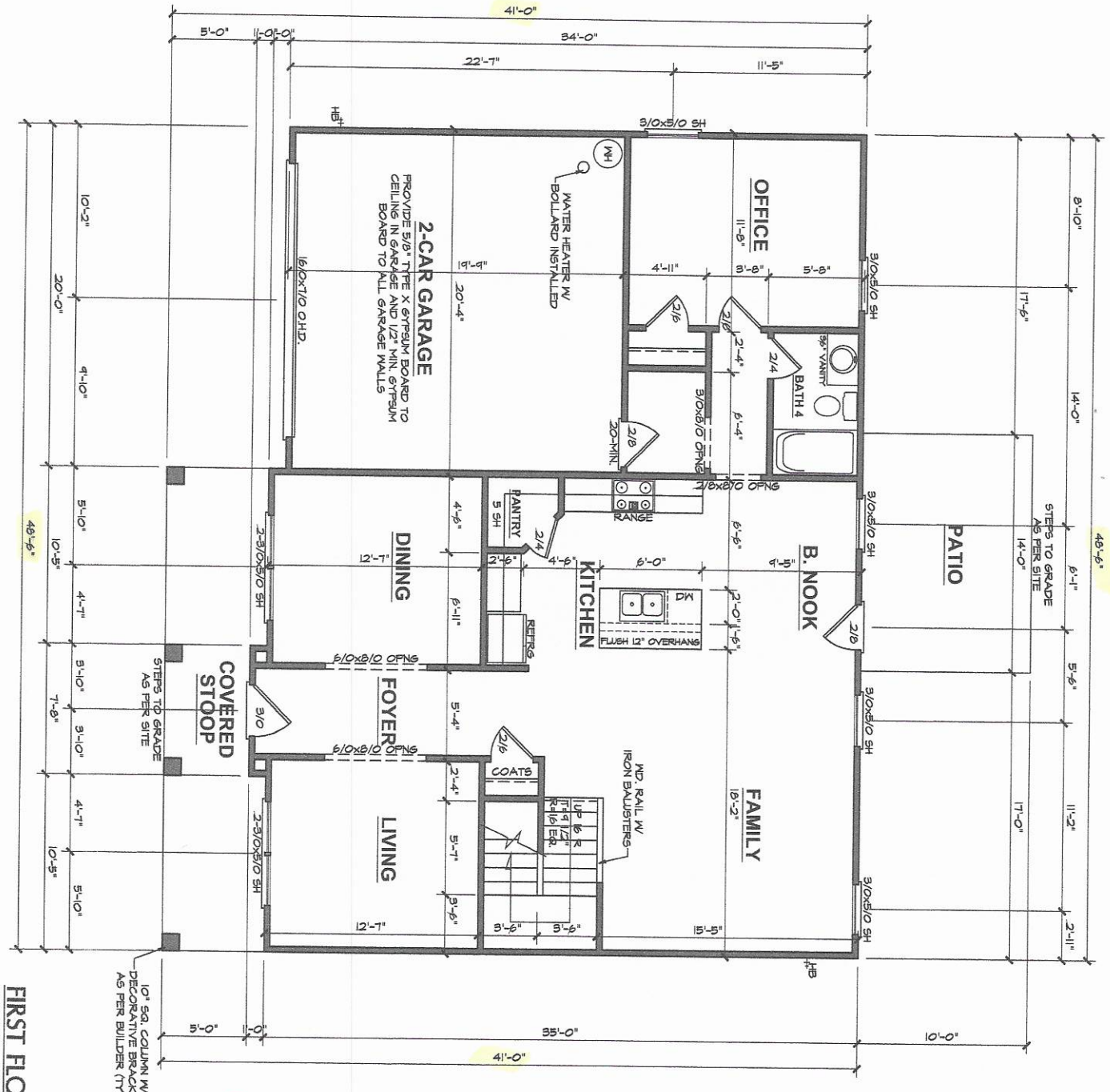
(NTS)

PRELIMINARY PLOT PLAN

PROJECT:	18-005 NORTHLAKES
DRAWN BY:	SEER
SCALE:	1"=50'
DATE:	04-23-2020

FOR
ADAMS HOMES CHARLOTTE
145 NORTHLAKE DRIVE, STATESVILLE
LOT 48 NORTHLAKE SUBDIVISION
CHAMBERSBURG TWP., IREDELL CO., NC
P.B. 53, PG. 94

ECLS GLOBAL, INC.
U.S. VETERAN-OWNED
19 N McKINLEY ST
COATS, NC 27521
910.897.3257 ECLSGLOBALINC.COM
910.897.2329 (FAX) CO#C-4175



FIRST FLOOR PLAN

9'-0" (NOM.) CLG. HGT. U.N.O.
SET WINDOWS @ 7'-0" U.N.O.

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

Acknowledgement Of Plans Submittal ONLY!

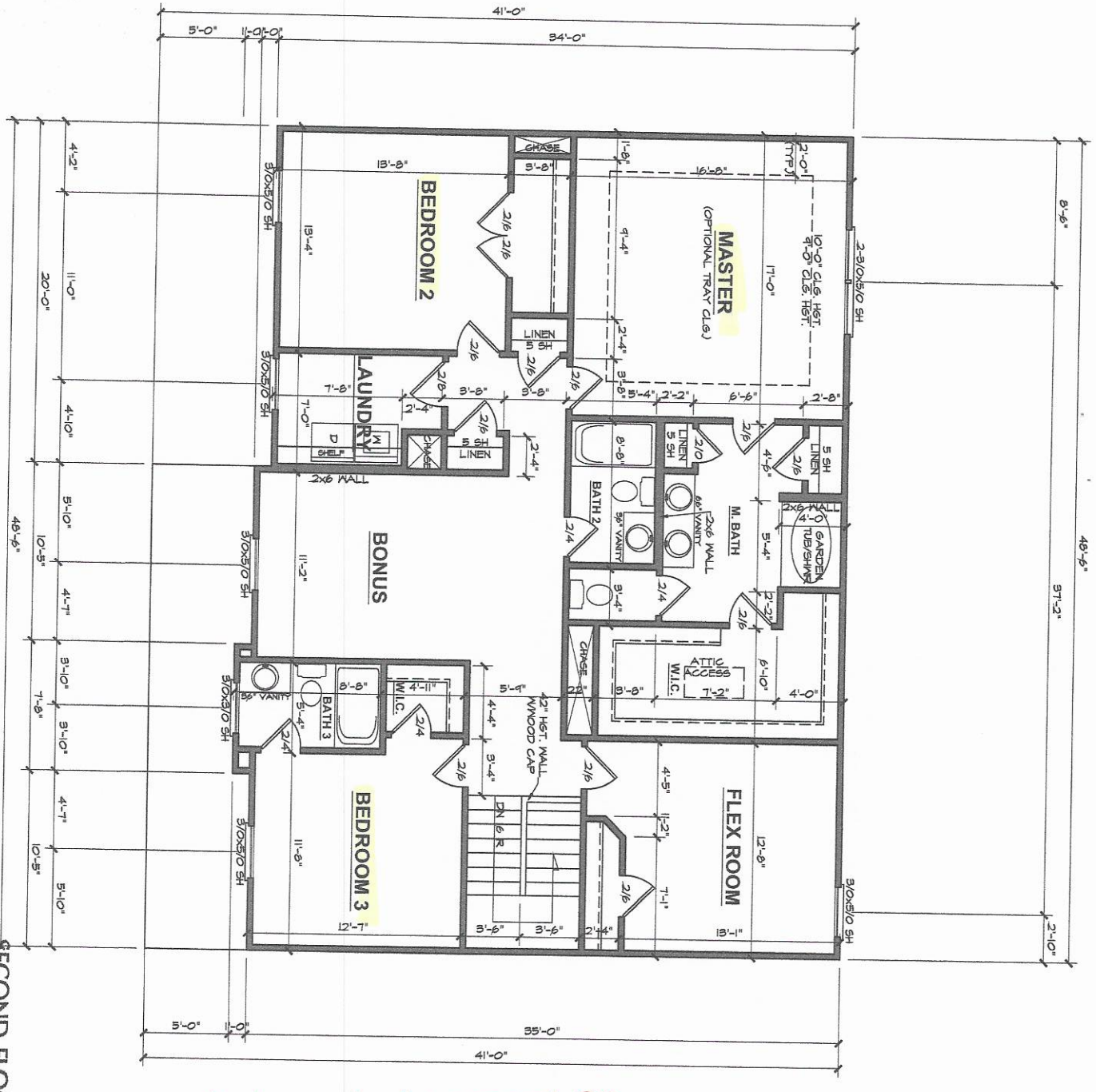
Date 9/30/20

Date 9-28-2020

2913 "B" FE (L) NR047

DATE DRAWN	6/15/2020
PROJECT	4443
REVISIONS	
SHEET	3

ADAMS HOMES AEC, LLC



SECOND FLOOR PLAN

8'-0" (NOM.) CLG. HGT. U.N.O.
SET WINDOWS @ 7'-2" U.N.O.

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

Acknowledgement Of Plans Submittal ONLY!

Builder Date 9/24/20

Builder's Architect Date 9-28-2020

2913 "B" FE (L) NR047

ADAMS HOMES AEC, LLC

DATE DRAWN	6/15/2020
PROJECT	4443
REVISIONS	

SHEET 4

IREDELL COUNTY

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

APPLICATION NUMBER
241750
Issue Date: 01/28/2019

ZONING PERMIT

Open Space

Parcel Number	Street Address	Jurisdiction
4761497499.000	145 NORTHLAKE DRIVE, STATESVILLE, NC	IREDELL COUNTY

Owner Information	Applicant Information
Owner: LAKESIDE VISTA PARTNERS LLC	Applicant: CAROLINA SOIL SEPTIC C
Address: 12621 MCGINNIS LANE	Address: 162 WEST B ST
STATESVILLE, NC 28078	KANNAPOLIS, NC 28081
Phone:	Phone: 704-202-5791

Use Requested	Zone Code
SFD REPLACING PERMIT 151816	RA

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
.620	35.00	35.00	15.00	15.00	NOT	X

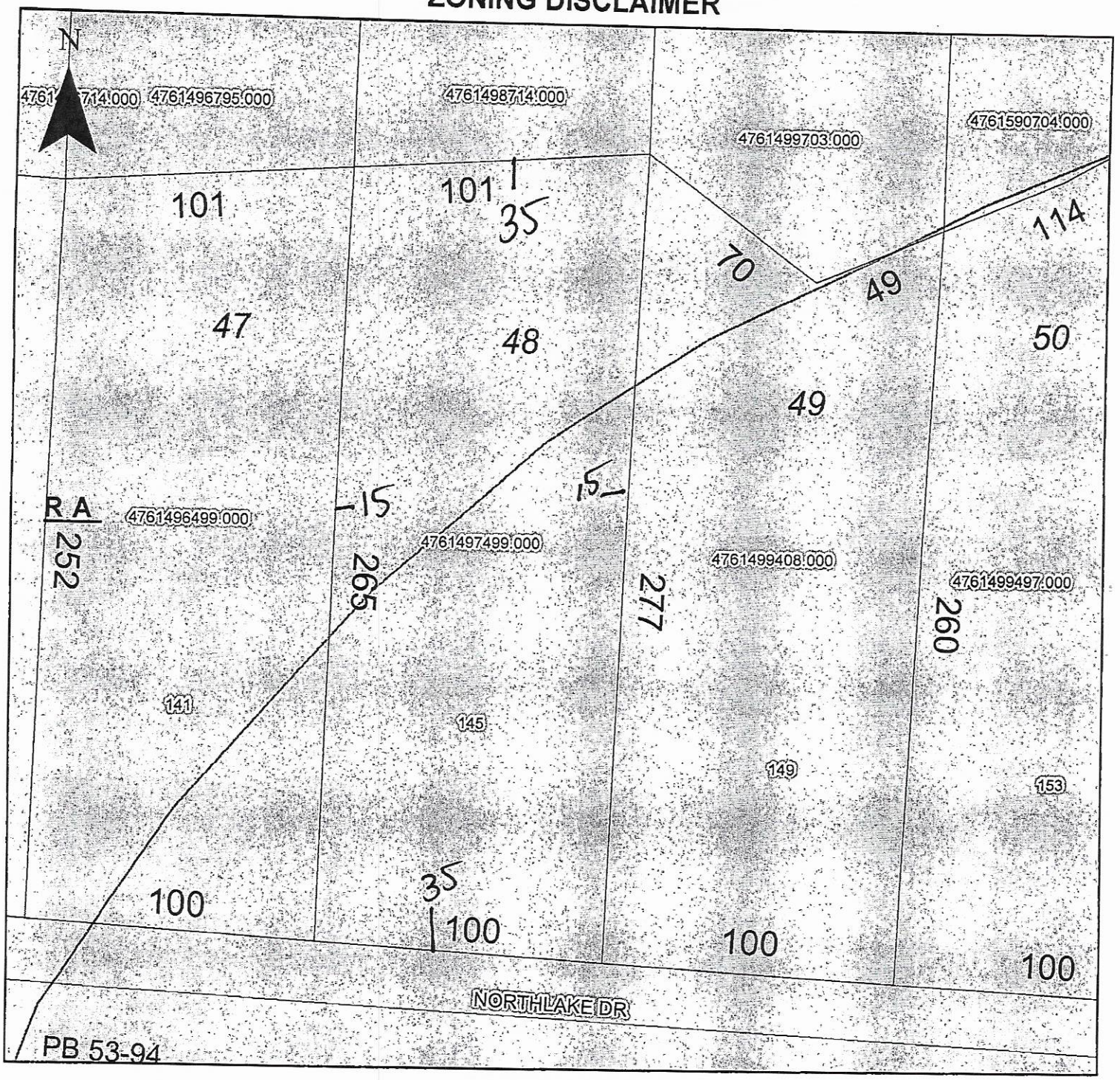
Remarks:

The applicant certifies that there are no deed restrictions, contractual agreements or governmental regulations of any kind that interfere with or prohibit the use of the property or the use for which this permit is requested. The applicant further acknowledges that enforcement of deed restrictions, plat conditions and other contractual agreements will not be undertaken by Iredell County and is the sole responsibility of the affected parties.

Applicant: _____ Date: _____

Permit Number	165694	TOTAL FEES:	$ 77.25

ZONING DISCLAIMER



Property Address 145 Northlake Dr.

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.

BA Ellis

Applicant

Date