ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 | Mooresville Office (704) 660-3625 | PERMIT # 247807

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

PIN # 4774 - 86 - 6459

APPLICANT/OWNER: Mukel Wimmer | APPLICANT ADDRESS: 1035 Welcome Bethesda Rd Lexington NC 27295

SITE ADDRESS: 376 Elmwood Rd Statesville NC 28625 | PHONE: 336-240 2272 | ALT. PHONE

SITE DIRECTIONS: 64 E to Berry Oak Rt on Elmwood Cotton Right | SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: | SECTION: | LOT # | LOT AREA: 47 Acres | DESIGN FLOW: 360 | L.T.A.R.: -25

Septic Tank 1000 (gal) STB 7600 Date 1-23-23 | ☒ New System ☐ Repair ☐ Expansion System Type: I II III IV V VI

Pump Tank (gal) PT Date | System Description: 8in Large Diameter Pipe

Pump Make Model Serial # | Repair System Description: Exempt

Nitrification Fields 1 # Lines 7 Linear Ft: 120 | Maintenance Agreement Required: ☐ YES ☒ NO

Trench Width 12in Trench Bottom Depth(Low side) 10in 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:

3/22/23 Tanks + Lines checked
- Needs Supply Line - Distribution - Filter - Soil Cap

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:

Piedmont Environmental P.A.

LSS # 1229

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.

Supply line - Filter, D-Box - Soil Cap - 3/24/23

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: 10/26/2020 | Installed by: Steve Jordan

IMPROVEMENT PERMIT by: Benjamin | Date: 10/2/2020 | OPERATION PERMIT by: Sydney Holland | Date: 3/24/23

AUTHORIZATION TO CONSTRUCT by: Cory Wil | Date: 4/7/22 | Existing System Inspected by: | Date:

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

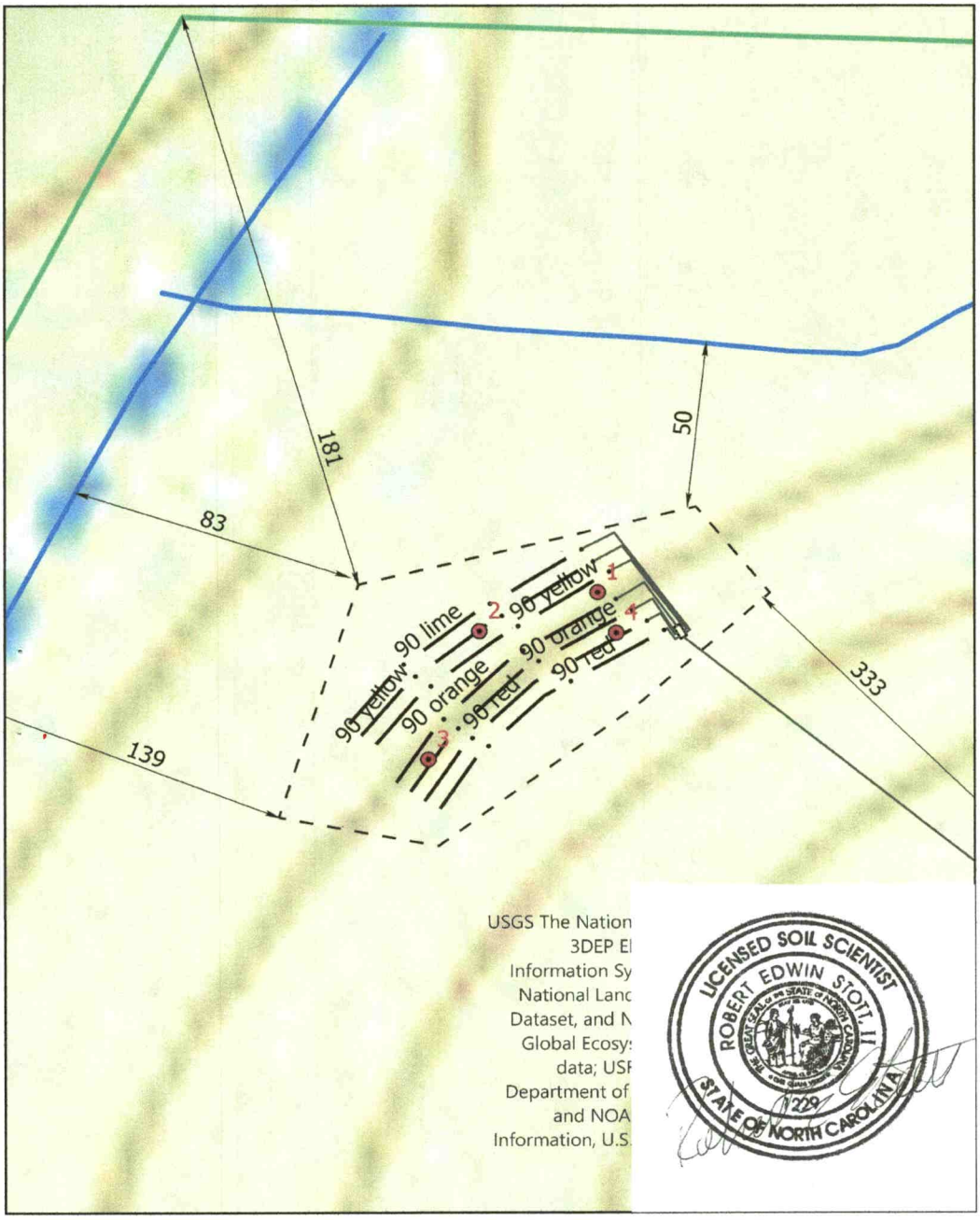
PIEDMONT ENVIRONMENTAL ASSOCIATES, P.A.

SL 114

[X] IP [X] CA

216 S. Swing Rd. Suite 1
Greensboro, NC 27409
Phone 336-344-4008
Email
edwin@piedmontsoil.com

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



Flow	360 gpd
LTAR	.25
Initial System	8 inch LDP
Footage	720 ft.
Trench Depth	min. 10
	max. 12
S. Tank	1000
P. Tank	NA
Distribution	d-box
Trench Width	12 inches
Spacing	5 ft on center
Repair System	Exempt
LTAR	
Footage	
Trench Depth	min.
	max.
Sq. Footage	.1945 met
Dist. to House	>15 ft.
Dist. to Property Line	>10ft.
Dist. to Well	>50 ft.

Conditions

Install on Contour
Do not install when wet
Site prep is critical, mulch in place
System will require a topsoil fill cap to a finished depth of 6 inches over system

ApproximateStream
NEW_PEA_Field_Data
Property Line
ProfileDescription

PIN or Tax Map # 4774866459.000 Lot # NA
County Iredell Address 376 Elmwood Road
Subdivision NA Directions ###

Client Frank Thomas
Date 9/17/2020
Job # 1924

N W E S

Disclaimer: No warranty written or implied on any septic system.
SEE REPORT

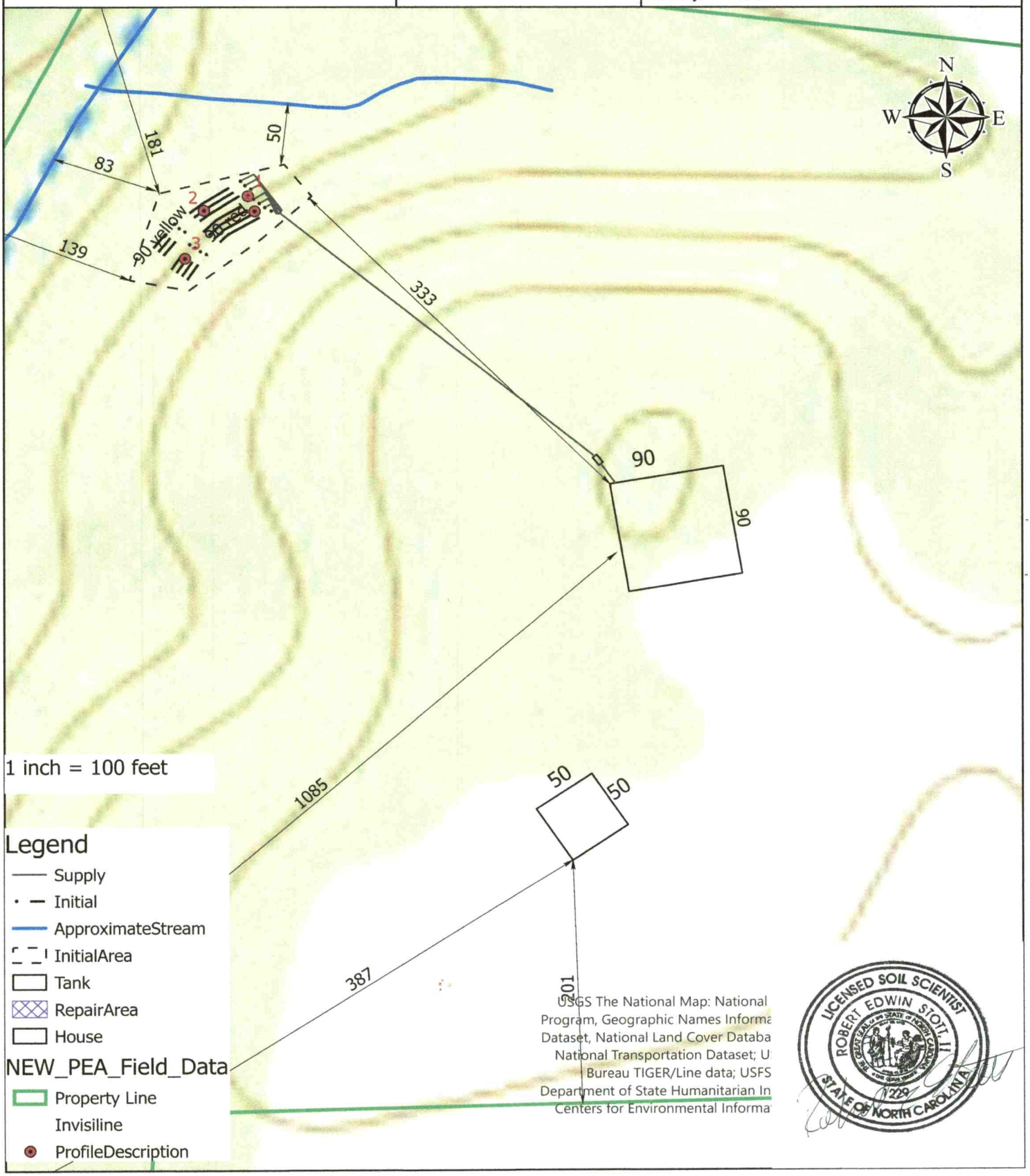
Sheet ___ of ___

PIEDMONT ENVIRONMENTAL ASSOCIATES, P.A.

216 S. Swing Rd. Suite 1
Greensboro, NC 27409
piedmontsoil.com

376 Elmwood Road

Job# 1924
Date: 9/17/2020
Client: Frank Thomas
County: Iredell



SOILS SHEET

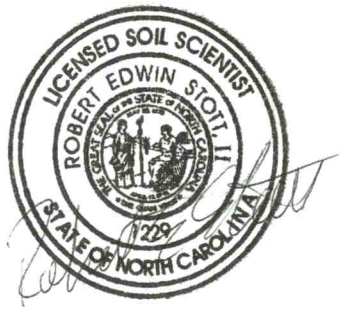
TAX MAP#	376 Elmwood Roa	**Site Classification:**	UNS/PS	0.25	**LTAR**
DATE:	7/29/2019/9/15	**Initial System:**	8" LDP		
LSS:	Edwin Stott	**Repair System:**	8" LDP		
Eval Method:	Auger	**Others Present:**	Frank Thomas		

PIEDMONT ENVIRONMENTAL ASSOCIATES, P.A.
216 S Swing Road
STE 1
Greensboro, NC 27409
336-344-4008
edwin@piedmontsoil.com

Boring	System_Typ	Limiting_F	Uns Factor	LTAR	Comment	Horizon1	Horizon2	Horizon3	Horizon 4	Horizon 5	LandPosn	Slope
1	LDP, LPP, LPC	depth		0.3		0-24 l,fr,fr,ss,sp	24 rock				side	6
2	conventional			0.25		0-6 sl, fr, gr	6-36 c, fi, s, sp, cl, blcky, 7.5 YR 4/4				side	12
3	LDP, LPP, LPC	depth		0.25		0-7 l, fr, ss, sp	7-26 c/clfr,ss,sp,se	26 c,vf,s,vp,exp			side	10
4	conventional	saprolite		0.25		0-8 l, fr, gr	8-24 c,fi,s,sp,se	24-36 cl fi,s,p,	36 hard sap		side	12

Comments: 9/15 revisit to trim layout and drill additional borings. Soil moisture much better than initial evaluation aiding auger penetration. Only showing borings in the trimmed drainfield area. 7 lines at 90 feet, 5 foot on center, one foot ditch, slope correction negligible. Fill cap needed.

Notes: Soil Wetness - Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - Record Munsell color chip designation.
Classification - S - Suitable, PS - Provisionally Suitable, U - Unsuitable
LTAR - Long Term Acceptance Rate



SOILS SHEET

TAX MAP#	376 Elmwood Rd	**Site Classification:**	UNS/PS	0.25	**LTAR**
DATE:	9/15/2020	**Initial System:**	8" LDP		
LSS:	Edwin Stott	**Repair System:**	8" LDP		
Eval Method:	Auger	**Others Present:**	Frank Thomas		

PIEDMONT ENVIRONMENTAL ASSOCIATES, P.A.
216 S Swing Road
STE 1
Greensboro, NC 27409
336-344-4008
edwin@piedmontsoil.com

Boring	System_Typ	Limiting_F	Uns Factor	LTAR	Comment	Horizon1	Horizon2	Horizon3	Horizon 4	Horizon 5	LandPosn	Slope
1	LDP, LPP, LPC	depth		0.3		0-24 l,fr,fr,ss,sp	24 rock				side	6
2	conventional			0.25		0-6 sl, fr, gr	6-36 c, fi, s, sp, cl, blcky, 7.5 YR 4/4				side	12
3	LDP, LPP, LPC	depth		0.25		0-7 l, fr, ss, sp	7-26 c/clfr,ss,sp,se	26 c,vf,s,vp,exp			side	10
4	conventional	saprolite		0.25		0-8 l, fr, gr	8-24 c,fi,s,sp,se	24-36 cl fi,s,p,	36 hard sap		side	12
-												

Comments: 9/15 revisit to trim layout and drill additional borings. Soil moisture much better than initial evaluation aiding auger penetration. Only showing borings in the trimmed drainfield area. 7 lines at 90 feet, 5 foot on center, one foot ditch, slope correction negligible. Fill cap needed.

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Classification - S - Suitable, PS - Provisionally Suitable, U - Unsuitable

LTAR - Long Term Acceptance Rate

PIEDMONT
ENVIRONMENTAL
ASSOCIATES, P.A.

September 18, 2020

Replaces Report dated 8/5/2020

Soil Report

SL 114

Client:

Frank Thomas

376 Elmwood Road, Iredell County

North Carolina

Prepared by:

Robert Edwin Stott, MSEH, REHS

NC Licensed Soil Scientist #1229

Table of Contents:

Document	Page
Landowner/LSS Statement	1
SL 114 Soils Report	2-3
Setbacks	4
Profile Descriptions	5
Site Sketches	6-8
COI	9

PIEDMONT
ENVIRONMENTAL
ASSOCIATES, P.A.

9/17/2020 Project # 1924

Iredell County Department of Public Health
Attn: Director or County Manager

In accordance with Regulatory Reform Act of 2018; Session Law 2018-114 Sections 9 through 12, this statement is submitted respectfully to satisfy signed and dated statement requirement from the property owner or owner's legal representative:

"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)."

Sincerely,

Mr. Frank Thomas

216 South Swing Road, STE 1, Greensboro, NC 27409 336-344-4008

PIEDMONT ENVIRONMENTAL ASSOCIATES, P.A.

9/17/2020 Project # 1924

Mr. Frank Thomas
Thomas General Contractors, LLC
352 James Road
Clemmons, NC 27012

Dear Mr. Thomas,

This report accompanies detailed profile descriptions and a septic system layout in an effort to pursue permitting under SL 2018-114. The evaluation was for a three-bedroom residence on a 47-acre parcel on 376 Elmwood Road, Statesville, Iredell County. This report replaces report dated 8/5/2020.

Characteristics that affect the suitability of sub-surface systems include soil depth to expansive clay, seasonal high-water table, rock, and unusable saprolite. Topography and slope also affect the suitability of an area for septic systems. The evaluation of these components was conducted on the site. A sketch is included with this report along with the layout information that shows where the profile descriptions were conducted.

The upland soils on this tract are mapped as Iredell which is a soil series that is very slowly permeable and does not work for conventional type septic systems. Piedmont focused on the drains closest to the proposed residence looking for any type of septic system. One area was found to the northeast of the residence; however, this area was too small for the septic system. Another area was located at the bottom of the hill behind the house to the northwest. We are proposing 8-inch large diameter pipe due to the depth of soil and the slope. The installation will be at grade, therefore a fill cap of 6 inches will be needed over the system. After the cap is placed over the field area, landscaping will be paramount to ensure that the cover is stable and remains in place. Additional field work was performed on September 15 to answer questions from the county health department. The moisture level of the site was considerably better than back in July. Borings were made in the proposed drain field area and the site evaluation was revised to account for the changes in soil moisture which gave a much better profile description. The design was also modified to stay out of the shallower soils and to use a distribution box for better distribution of effluent.

Design flow with residential systems utilizes the number of bedrooms and assumes no more than two residents per bedroom at 60 gallons per resident or 120 gallons per bedroom. This is how the design flow of 360 gallons per day is calculated. The wastewater system is designed to handle a *maximum* flow of 360 gallons per day. This flow is similar to the "red line" on the RPM gauge of an engine. In other words, an engine may have a red line or maximum RPM of 7000. However, if that RPM is maintained for any length of time the engine will suffer mechanical failure. This septic system is no different. The *maximum* total flow for the system is 360 gallons per day. This flow should not be maintained for any sustained length of time or oversaturation can occur in the

trenches. An average daily water usage of 50% is recommended for peak performance. **No garbage disposals should be added to the wastewater stream.** Water softener waste should not be added to the wastewater stream. Fats, oils and greases or FOG should not be added to the wastewater stream and can cause premature failure. Dispose of fats, oils, greases and garbage properly in household waste. There should be no traffic over the wastewater system area. Piedmont Environmental recommends a preconstruction conference prior to any installation to ensure that the system is placed in the correct area once the site is cleared of vegetation. Please note that mechanical clearing that is done in wet conditions or done by someone not following best management practices can render an otherwise usable site unsuitable. Piedmont Environmental Associates, PA highly recommends using a reputable septic system installer that is licensed in North Carolina to perform or oversee any clearing. For this site, tree removal without soil disturbance is paramount.

This report discusses the general location of potentially usable soils for on-site wastewater disposal and the soil and site limitations on the property that exists at the time of the evaluation. Piedmont Environmental Associates, PA ("Piedmont") provides professional consulting specializing in the practice of soil science and wastewater management. Piedmont is therefore hired for its professional opinion regarding these matters. This report is being prepared as part of a packet to obtain an improvement permit under SL114. Piedmont Environmental Associates provides no warranty either written or implied regarding the lifespan of any type of septic system. Piedmont Environmental Associates utilizes accepted soil science practices and assigns LTAR's and proposes trench depths based on field observation, law, rule, published data and accepted practice of the profession. Piedmont Environmental Associates however cannot guarantee the life span of any type of septic system component, trench media, pretreatment device, distribution device, distribution method, or installation method as there are simply too many variables that are not within the control of Piedmont Environmental Associates.

If you have any further questions, please feel free to call. Thank you for the opportunity to serve.

Sincerely,



"The LSS Evaluation is being submitted pursuant to and meets the requirements of SL 2018-114 Section 11.(c)."
R. Edwin Stott, REHS, MSEH
NC Licensed Soil Scientist
Piedmont Environmental Associates

Attachment I

.1950 Location of Sanitary Sewage Systems

(c) Every sanitary sewage treatment and disposal system shall be located at least the minimum horizontal distance from the following:

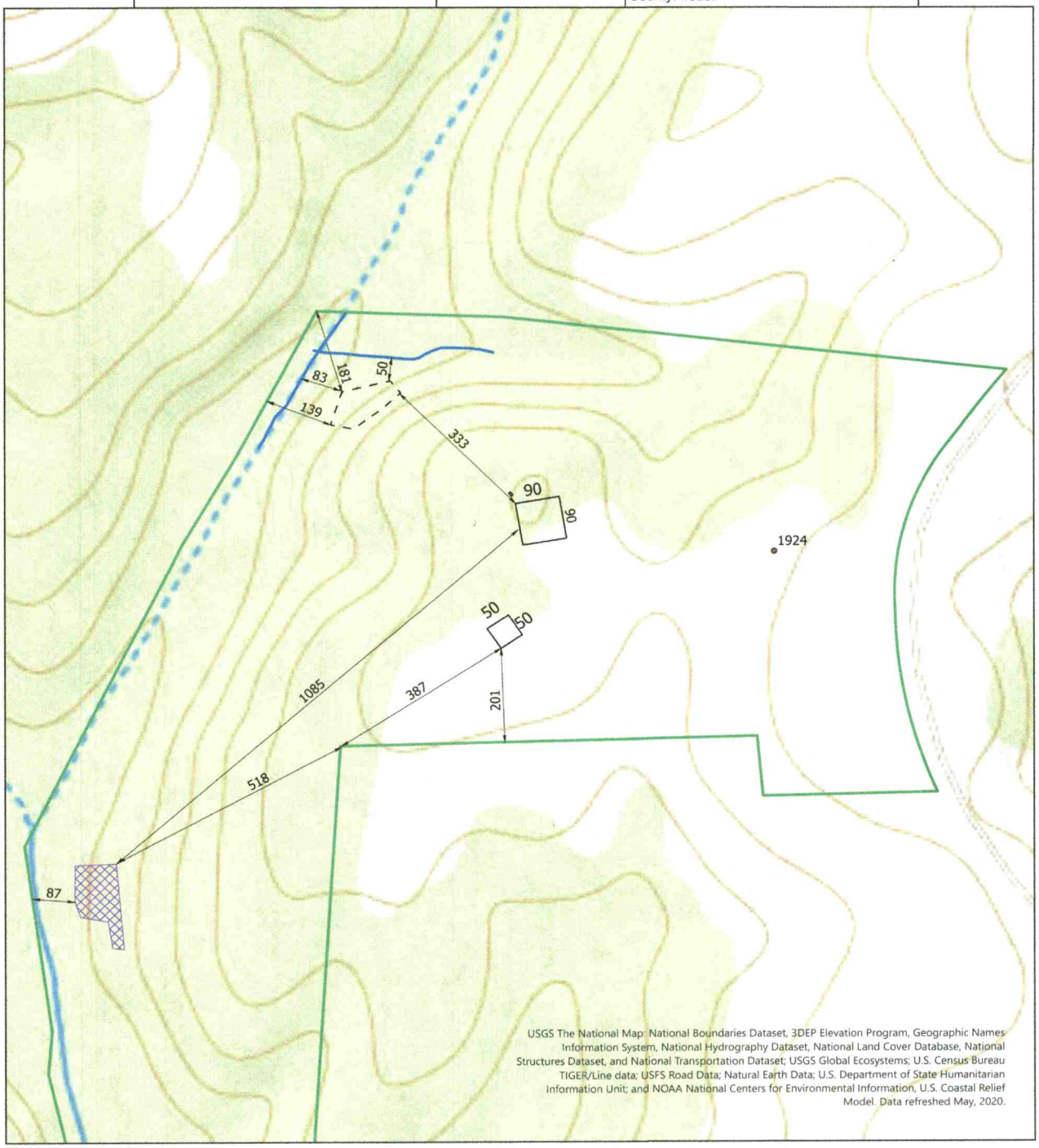
(1)	Any private water supply source including a well or spring	100 feet
(2)	Any public water supply source	100 feet
(3)	Streams classified as WS-I	100 feet
(4)	Water classified as S.A. from mean high water mark	100 feet
(5)	Other coastal waters from mean high water mark	50 feet
(6)	Any other stream, canal, marsh, or other surface waters	50 feet
(7)	Any Class I or Class II reservoir from normal pool elevation	100 feet
(8)	Any permanent storm water retention pond from flood pool elevation	50 feet
(9)	Any other lake or pond from normal pool elevation	50 feet
(10)	Any building foundation	5 feet
(11)	Any basement	15 feet
(12)	Any property line	10 feet
(13)	Top of slope of embankments or cuts of 2 feet or more vertical height	15 feet
(14)	Any water line	10 feet
(15)	Drainage systems:	
	(A) Interceptor drains, foundation drains and storm water diversions	
	(i) upslope	10 feet
	(ii) sideslope	15 feet
	(iii) downslope	25 feet
	(B) Groundwater lowering ditched and devices	25 feet
(16)	any swimming pool	15 feet
(17)	any other nitrification field (except repair area)	20 feet

(b) Ground absorption, sewage treatment and disposal systems may be located closer than 100 feet from a private well supply, except springs and uncased wells located downslope and used as a source of drinking water, repairs, space limitations and other site-planning considerations but shall be located the maximum feasible distance and, in no case, less than 50 feet.

(c) Nitrification fields and repair areas shall not be located under paved areas or areas subject to vehicular traffic. If effluent is to be conveyed under areas subject to vehicular traffic, ductile iron or its equivalent pipe shall be used. However, pipe specified in Rule .1955 (e) may be used if a minimum of 30 inches of compacted cover is provided over the pipe.

Note: Systems over 3000 GPD or an individual nitrification fields with a capacity of 1500 GPD or more have more restrictive setback requirements, see .1950 (a) (17) (d) for specifics.

PIEDMONT ENVIRONMENTAL ASSOCIATES, P.A.	376 Elmwood Road	
216 S. Swing Rd. Suite 1 Greensboro, NC 27409 piedmontsoil.com	Job# 1924 Date: 8/5/2020 Client: Frank Thomas County: Iredell	



LICENSED SOIL SCIENTIST
ROBERT EDWIN STOLL II
1229
STATE OF NORTH CAROLINA

ApproximateStream
InitialArea
RepairArea
House
NEW_PEA_Field_Data
Property Line
Invisiline

1 in = 200 ft

0 100 200 400 Feet

N
W E
S

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

Sheet 1 of 2
PROPERTY ID #:
COUNTY: Iredell

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

OWNER: Erika Moore
ADDRESS: Mikal Wimmer
PROPOSED FACILITY: 3BR Home PROPOSED DESIGN FLOW (.1949): 360
LOCATION OF SITE: 376 Elmwood Rd.
APPLICATION DATE 8/23/19
DATE EVALUATED: 9/5/19
PROPERTY SIZE: 4.7 Acres
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
1	FS 1-8%	0-7	SC wSBk	SS Sp FR SEXP	10YR 4/3 @ 35 inches	45	–		PS .225 max 25
		7-32	C wABk/SBk	S p FM SEXP					
		32-45	CL wABk	S p FM SEXP					
2	FS 8%	0-5	SC wSBk	SS Sp FR SExp	Chroma 2 Below 24	24	–	Exp @ 24	PS. Deep mx 12 Shallow .2 - .225 possible Drip
		5-24	C wABk FM	S p FM					
		24+	C Exp M	VS vp FM					
3	FS 1-8%	0-5	SC wSBk	SS Sp FR SExp	Chroma 2 1	36	mn conc	2.5Y 6/4 @ 32 10YR 6/2 @ 36	PS .2 Max 24
		5-36	C SBk/ABk	S p FM					
		36+	C Exp M	VS vp FM					
4	F-S 8%	0-7	SC wSBk	S p FR SExp		35 Hem MR Some C. 4to	–	MMe 28 10YR 6/2	PS .2 max 16
		7-23	C SBk/ABk	S p FM					
		23-35	CL wSBk/ABk	S p FM					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	3600	3600
System Type(s)	▽ Drip	▽ Drip
Site LTAR	.1	.1

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): –
EVALUATED BY: Bottoms / P. Pennige
OTHER(S) PRESENT: David Beam.

COMMENTS: Shallow Drip System Max depth 6 inches 8% * Repair Exempt?

LEGEND

use the following standard abbreviations

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

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

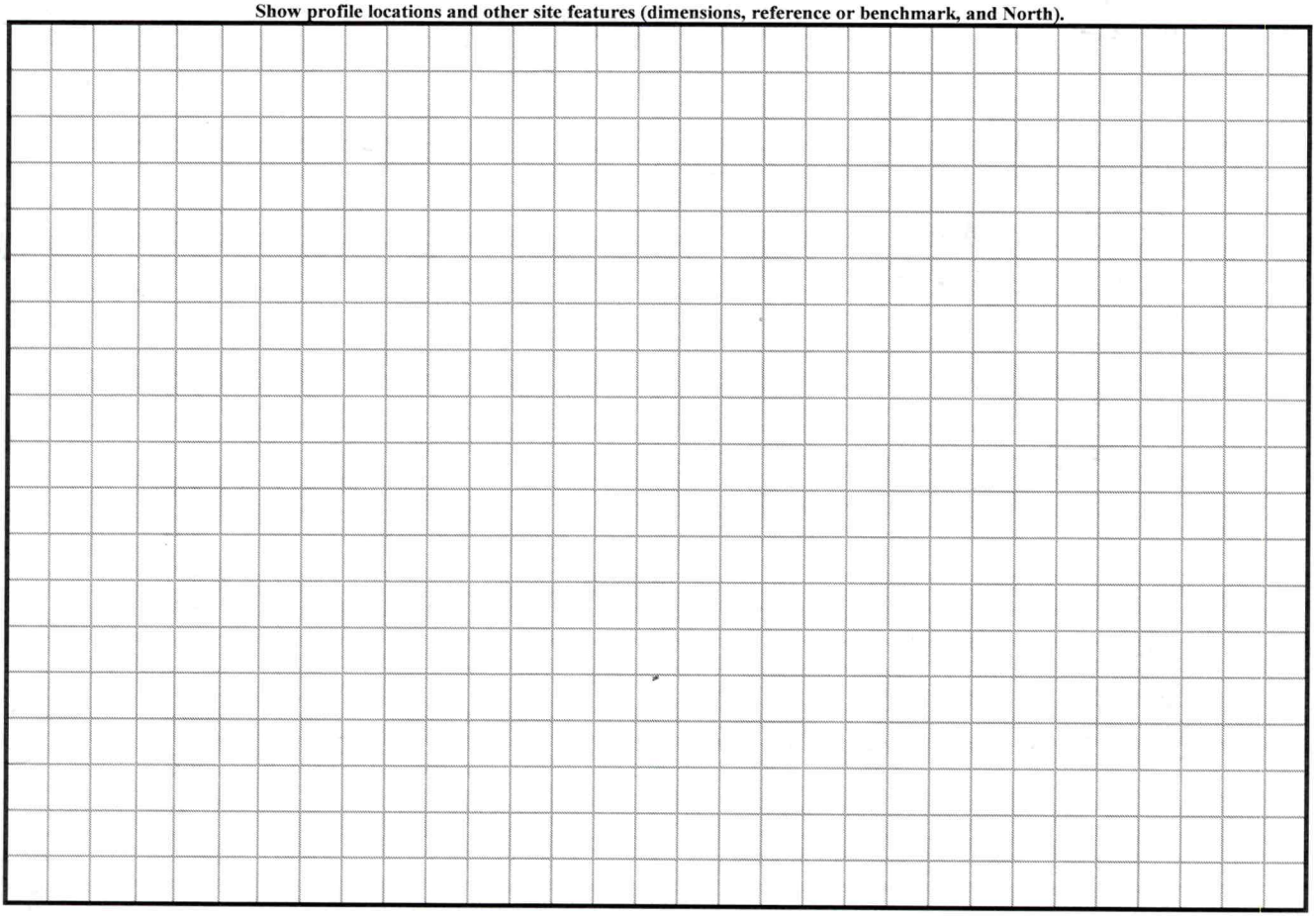
NOTES

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

Evaluation of saprolite shall be by pits.

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

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



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 #:
DATE OF EVALUATION: 8/5/19
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
5	FS S 8%	0-4	sc WSBk	SS Sp FR SExp.	10YR 5/4 e 5 inches	26 "Rapid Stratified	-	26 MN Throughout	PS -10 Max 14
		4-14	c WABk FM	S P FM					
		14-26	CL WABk FM	S P FM					
		26	FM Rock	—					
6	S 9%	0-8	sc WSBk	SS Sp FR SExp	10YR 6/2 2.5Y 5/2 e 22.	4/8	—	Gth Mottles	PS -1 Max 10.
		8-29	c ABk/SBk FM	S P FM					
		29-48	CL WABk	S P FM					
7.	S 8-9%	0-7.	sc WSBk	SS Sp FR SExp	10YR 6/2 e 20 inches	c/o	—	MN	PS -1 Max 8.
		7-20	c ABk/SBk	S P FM SExp					
		20-40	CL WABk/	S P FM SExp					
8	S 7-8%	0-8	sc WSBk		10YR 6/2 e 28 inches	47	.	MN Conc.	PS -1 Max 16.
		8-22	c WABk/SBk	S P FM					
		22-47.	CL WABk/WSBk	S P					
9	6% FS	0-11	c ABk	VSup FM SExp.	NS	11	.	10YR 6/1 e 11 inch	NS.
		11+	c M Exp	VSup FM					

COMMENTS:

RECEIVED SEP 1 -2020

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

Paid $500.00 Session Law #247807

Iredell County Health Department – Environmental Health Division

PAGE 1: *APPLICATION FORM*

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

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

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

The following optional attachments may also be submitted: ( ) Survey Plat, scaled no more than 1 inch = 60 feet
Place an (X) beside whichever is submitted if applicable ( ) Custom Site Plan, scaled no more than 1 inch = 60 feet

Applicant Information: **(PRINT CLEARLY)**

Applicant Name: Makel Wimmer **Address:** 1035 Welcome Bethesda Rd Lexington NC **Zip:** 27295
Applicant Email: makel_wimmer@yahoo.com **Phone:** 336-240-2272 **Alt. Phone:** _____
Owner Name: Makel Wimmer **Address:** 1035 Welcome Bethesda Rd Lexington **Zip:** 27295
Owner Email: _____ **Phone:** 336-240-2272 **Alt. Phone:** _____

Property Information:

Street Address: 376 Elmwood Rd Statesville

Subdivision Name: N/A **Section/Phase:** _____ **Lot Number:** _____

Driving Directions: 64 E to Barry Oak Rd on Elmwood

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: 3
( ) 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: _____

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

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

Signature: Makel Wimmer 8-31-2020
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.

_____ 8-31-2020
Signature of Owner(s) Date

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

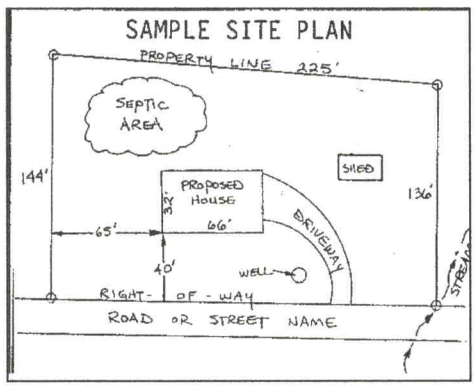
Statesville - Environmental Health
ronda.hart@co.iredell.nc.us
Fax: 704-871-3483
349 N. Center Street, Statesville, NC 28677

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 Session Law

Signature: _____

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

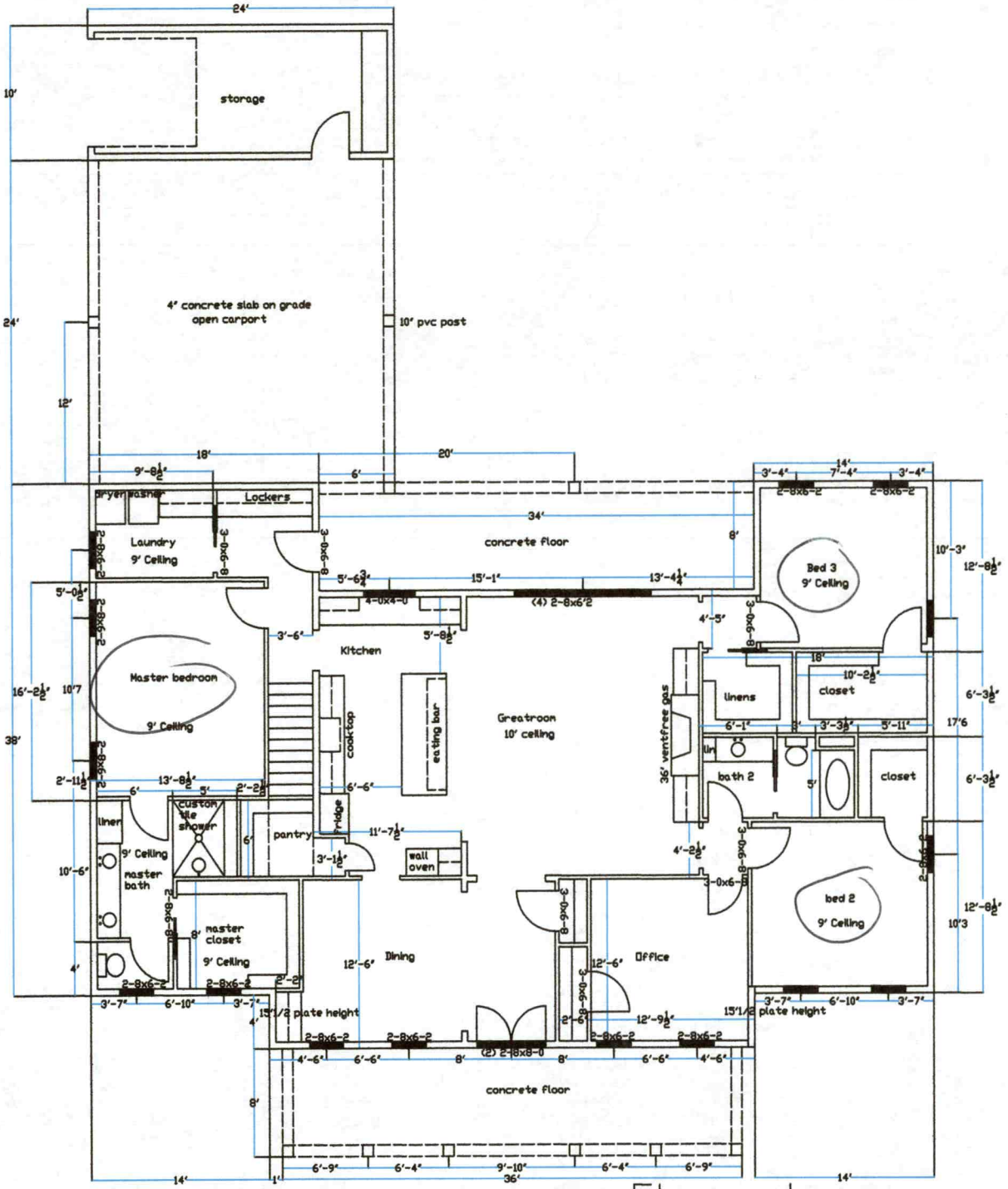
8-31-2020

DATE

Acknowledgement Of
Plans Submittal ONLY!

Date 4/7/22

Date 4/11/22



72

64

Floor plan
2388 sq. ft

Acknowledgement of
Plans submitted ONLY

Date

Date

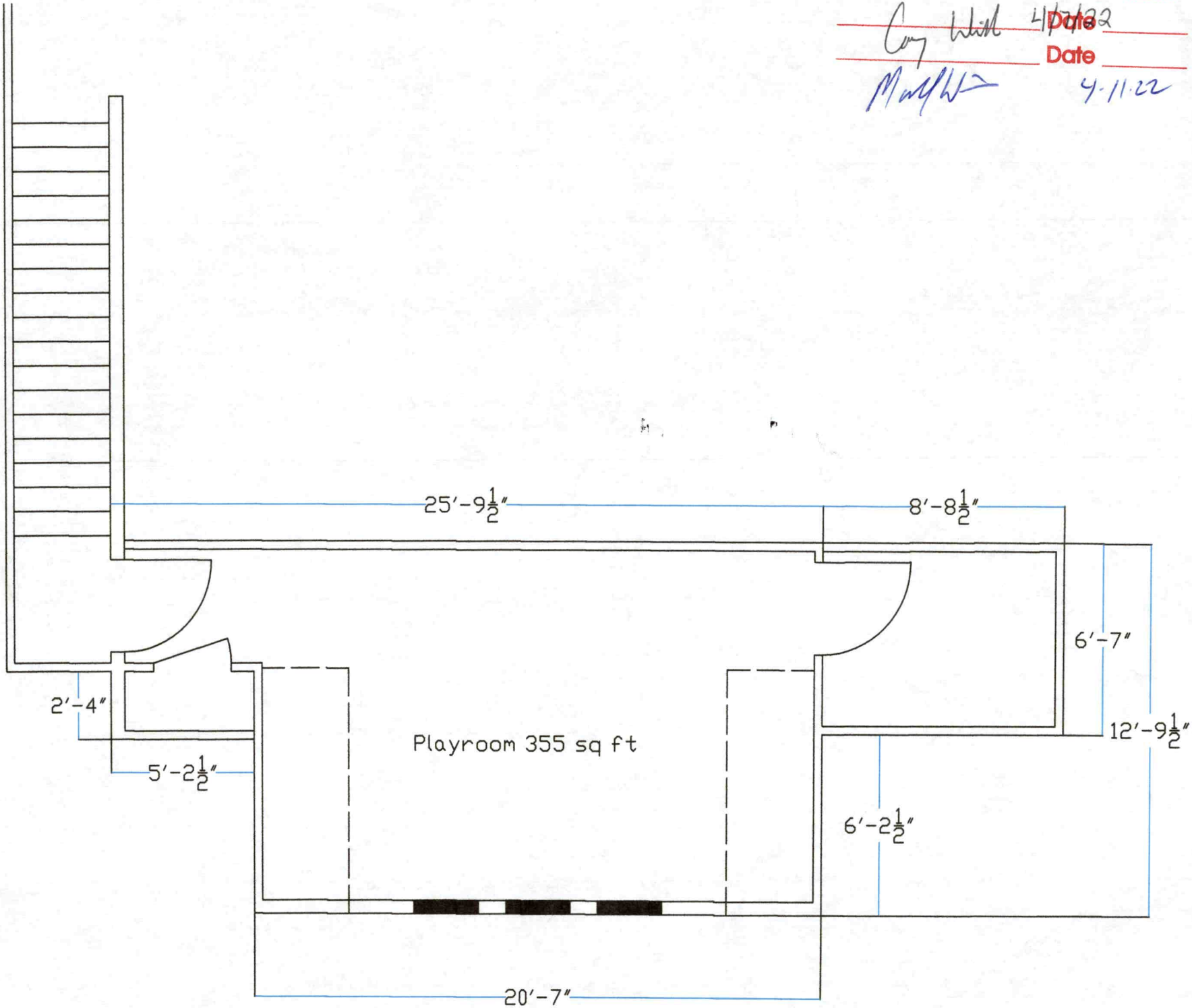
5388 sq ft
Floor plan

Plans Submittal ONLY!

Corey Wilk 4/7/22
Date

Date

Mark W 4-11-22



Hand submitted ONLY
date
date
Driveway 322 sq ft
50'-7"
52'-2½"
8'-8½"
15'-6½"
6'-7"
2'-5½"
2'-5½"
5'-4"

PIEDMONT
ENVIRONMENTAL
ASSOCIATES, P.A.

August 5, 2020

Soil Report

SL 114

Client:

Frank Thomas

376 Elmwood Road, Iredell County

North Carolina

Prepared by:

Robert Edwin Stott, MSEH, REHS

NC Licensed Soil Scientist #1229

Table of Contents:

Document	Page
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Setbacks	4
Profile Descriptions	5
Site Sketches	6-8
COI	9

PIEDMONT
ENVIRONMENTAL
ASSOCIATES, P.A.

8/5/2020 Project # 1924

Iredell County Department of Public Health
Attn: Director or County Manager

In accordance with Regulatory Reform Act of 2018; Session Law 2018-114 Sections 9 through 12, this statement is submitted respectfully to satisfy signed and dated statement requirement from the property owner or owner's legal representative:

"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)."

Sincerely,

Mr. Frank Thomas

216 South Swing Road, STE 1, Greensboro, NC 27409 336-344-4008

PIEDMONT
ENVIRONMENTAL
ASSOCIATES, P.A.

8/5/2020 Project # 1924

Mr. Frank Thomas
Thomas General Contractors, LLC
352 James Road
Clemmons, NC 27012

Dear Mr. Thomas,

This report accompanies detailed profile descriptions and a septic system layout in an effort to pursue permitting under SL 2018-114. The evaluation was for a three-bedroom residence on a 47 acre parcel on 376 Elmwood Road, Statesville, Iredell County.

Characteristics that affect the suitability of sub-surface systems include soil depth to expansive clay, seasonal high-water table, rock, and unusable saprolite. Topography and slope also affect the suitability of an area for septic systems. The evaluation of these components was conducted on the site. A sketch is included with this report along with the layout information that shows where the profile descriptions were conducted.

The upland soils on this tract are mapped as Iredell which is a soil series that is very slowly permeable and does not work for conventional type septic systems. Piedmont focused on the drains closest to the proposed residence looking for any type of septic system. One area was found to the northeast of the residence; however, this area was too small for the septic system. Another area was located at the bottom of the hill behind the house to the northwest. This area contained soils ranging from 21-28 inches of topsoil before an unsuitable characteristic. We are proposing 8-inch large diameter pipe due to the depth of soil and the slope. The installation will be at grade, therefore a fill cap of 5-6 inches will be needed over the system. After the cap is placed over the field area, landscaping will be paramount to ensure that the cover is stable and remains in place.

Design flow with residential systems utilizes the number of bedrooms and assumes no more than two residents per bedroom at 60 gallons per resident or 120 gallons per bedroom. This is how the design flow of 360 gallons per day is calculated. The wastewater system is designed to handle a *maximum* flow of 360 gallons per day. This flow is similar to the "red line" on the RPM gauge of an engine. In other words, an engine may have a red line or maximum RPM of 7000. However, if that RPM is maintained for any length of time the engine will suffer mechanical failure. This septic system is no different. The *maximum* total flow for the system is 360 gallons per day. This flow should not be maintained for any sustained length of time or oversaturation can occur in the trenches. An average daily water usage of 50% is recommended for peak performance. **No garbage disposals should be added to the wastewater stream.** Water softener waste should not be added to the wastewater stream. Fats, oils and greases or FOG should not be added to the wastewater stream and can cause premature failure. Dispose of fats, oils, greases and garbage properly in household waste. There should be no traffic over the wastewater system area.

Piedmont Environmental recommends a preconstruction conference prior to any installation to ensure that the system is placed in the correct area once the site is cleared of vegetation. Please note that mechanical clearing that is done in wet conditions or done by someone not following best management practices can render an otherwise usable site unsuitable. Piedmont Environmental Associates, PA highly recommends using a reputable septic system installer that is licensed in North Carolina to perform or oversee any clearing. For this site, tree removal without soil disturbance is paramount.

This report discusses the general location of potentially usable soils for on-site wastewater disposal and the soil and site limitations on the property that exists at the time of the evaluation. Piedmont Environmental Associates, PA ("Piedmont") provides professional consulting specializing in the practice of soil science and wastewater management. Piedmont is therefore hired for its professional opinion regarding these matters. This report is being prepared as part of a packet to obtain an improvement permit under SL114. Piedmont Environmental Associates provides no warranty either written or implied regarding the lifespan of any type of septic system. Piedmont Environmental Associates utilizes accepted soil science practices and assigns LTAR's and proposes trench depths based on field observation, law, rule, published data and accepted practice of the profession. Piedmont Environmental Associates however cannot guarantee the life span of any type of septic system component, trench media, pretreatment device, distribution device, distribution method, or installation method as there are simply too many variables that are not within the control of Piedmont Environmental Associates.

If you have any further questions, please feel free to call. Thank you for the opportunity to serve.

Sincerely,



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

R. Edwin Stott, REHS, MSEH
NC Licensed Soil Scientist
Piedmont Environmental Associates

Attachment I

.1950 Location of Sanitary Sewage Systems

(c) Every sanitary sewage treatment and disposal system shall be located at least the minimum horizontal distance from the following:

(1)	Any private water supply source including a well or spring	100 feet
(2)	Any public water supply source	100 feet
(3)	Streams classified as WS-I	100 feet
(4)	Water classified as S.A. from mean high water mark	100 feet
(5)	Other coastal waters from mean high water mark	50 feet
(6)	Any other stream, canal, marsh, or other surface waters	50 feet
(7)	Any Class I or Class II reservoir from normal pool elevation	100 feet
(8)	Any permanent storm water retention pond from flood pool elevation	50 feet
(9)	Any other lake or pond from normal pool elevation	50 feet
(10)	Any building foundation	5 feet
(11)	Any basement	15 feet
(12)	Any property line	10 feet
(13)	Top of slope of embankments or cuts of 2 feet or more vertical height	15 feet
(14)	Any water line	10 feet
(15)	Drainage systems:	
	(A) Interceptor drains, foundation drains and storm water diversions	
	(i) upslope	10 feet
	(ii) sideslope	15 feet
	(iii) downslope	25 feet
	(B) Groundwater lowering ditched and devices	25 feet
(16)	any swimming pool	15 feet
(17)	any other nitrification field (except repair area)	20 feet

(b) Ground absorption, sewage treatment and disposal systems may be located closer than 100 feet from a private well supply, except springs and uncased wells located downslope and used as a source of drinking water, repairs, space limitations and other site-planning considerations but shall be located the maximum feasible distance and, in no case, less than 50 feet.

(c) Nitrification fields and repair areas shall not be located under paved areas or areas subject to vehicular traffic. If effluent is to be conveyed under areas subject to vehicular traffic, ductile iron or its equivalent pipe shall be used. However, pipe specified in Rule .1955 (e) may be used if a minimum of 30 inches of compacted cover is provided over the pipe.

Note: Systems over 3000 GPD or an individual nitrification fields with a capacity of 1500 GPD or more have more restrictive setback requirements, see .1950 (a) (17) (d) for specifics.

SOILS SHEET

TAX MAP#	376 Elmwood Roa	**Site Classification:**	UNS/PS	0.25	**LTAR**
DATE:	7/29/2019	**Initial System:**	8" LDP		
LSS:	Edwin Stott	**Repair System:**	8" LDP		
Eval Method:	Auger, Pits	**Others Present:**	Frank Thomas		

PIEDMONT ENVIRONMENTAL ASSOCIATES, P.A.
216 S Swing Road
STE 1
Greensboro, NC 27409
336-344-4008
edwin@piedmontsoil.com

Boring	System_Typ	Limiting_F	Uns Factor	LTAR	Comment	Horizon1	Horizon2	Horizon3	Horizon 4	Horizon 5	LandPosn	Slope
409	LDP, LPP, LPC	depth		0.4		0-24 l,fr,fr,ss,sp	24- c, vfi, vs, vp, exp				foot	6
410	LDP, LPP, LPC	depth		0.3	very dry	0-10 sl, fr, gr	10-26 scl,fi,ss,sp,bcky	26 rock			side	8
411	LDP, LPP, LPC at grad	depth		0.3		0-21 l/cl, fr, ss, sp	21 rock				side	8
412	LDP, LPP, LPC	depth		0.3	very dry	0-24 l,fr,fr,ss,sp	24 rock				side	6
413	LDP, LPP, LPC	depth		0.3	very dry	0-23 l/cl, fr, ss, sp	23 hard saprolite				side	6
414	drip	wetness		0.1	very dry	0-20 l/cl, fr, ss, sp	20 faint redoximorphic features				foot	6
415	LDP, LPP, LPC at grad	depth		0.3	very dry	0-21 l/cl, fr, ss, sp	21 hard saprolite				side	8
416	na	expansive clay	morphology	na	pit	0-6 sl, fr, gr	6-23 c,vf,vs,vp,exp	23-36 sl,fi,ns,np	36 rock		side	15
417	LDP, LPP, LPC at grade			0.25	pit	0-6 sl	6-21 cl,fi,s,p,abcky	21-30 hard bc and exp clay			side	10
422	conventional					0-6 sl, fr, gr	6-36 fi, s, sp, cl, blcky, 7.5 YR 4/4				side	12

Comments: Group III in most borings, one boring borderline group IV in treatment zone so using Group IV LTAR of .25. 1 foot trench slope correction is negligible. Will need a fill cap over field or cap first, mix, then install may be better. PRECONSTRUCTION CONFERENCE REQUIRED

Notes: Soil Wetness - Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - Record Munsell color chip designation.
Classification - S - Suitable, PS - Provisionally Suitable, U - Unsuitable
LTAR - Long Term Acceptance Rate

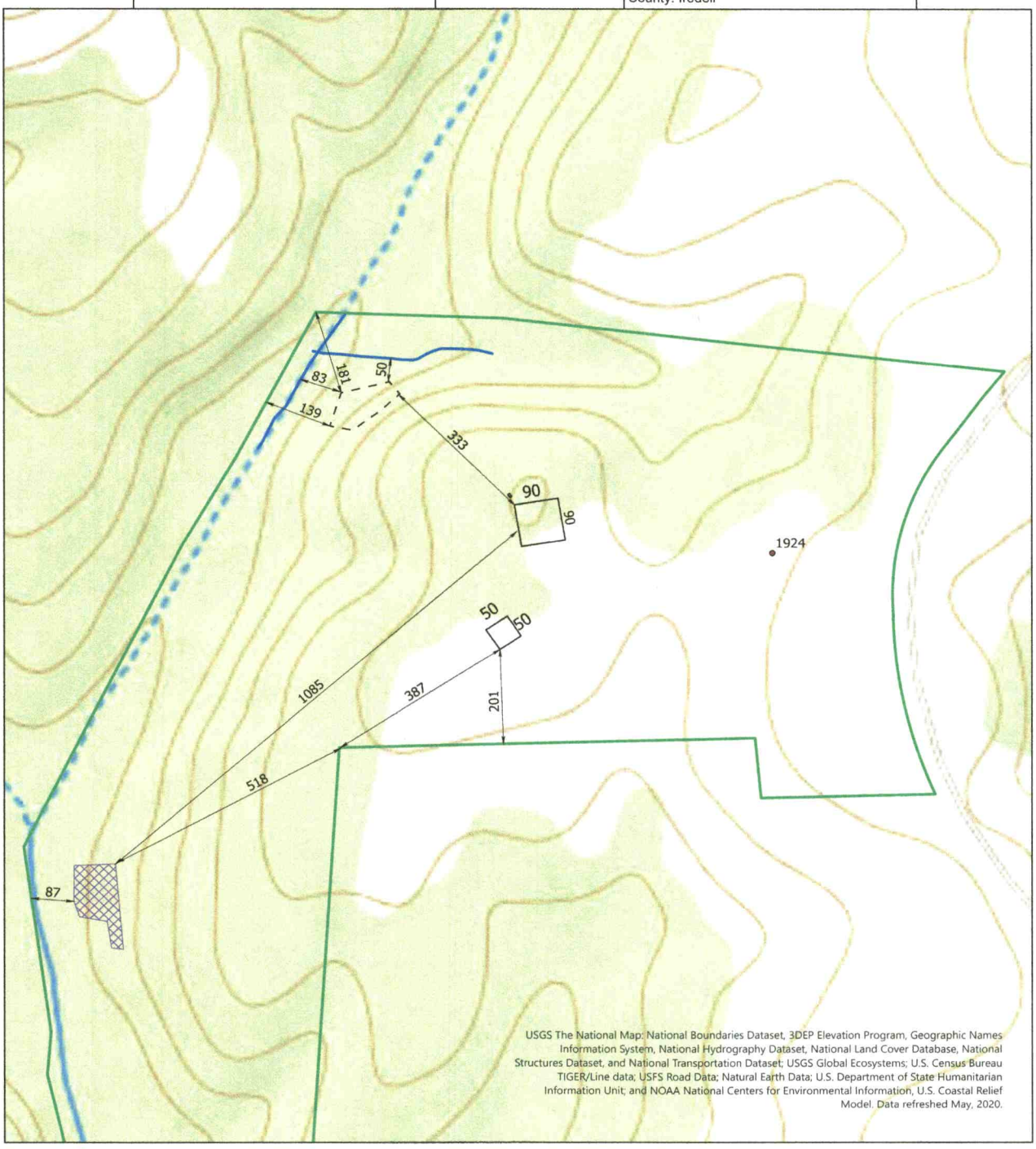


PIEDMONT ENVIRONMENTAL ASSOCIATES, P.A.

216 S. Swing Rd. Suite 1
Greensboro, NC 27409
piedmontsoil.com

376 Elmwood Road

Job# 1924
Date: 8/5/2020
Client: Frank Thomas
County: Iredell



LICENSED SOIL SCIENTIST
ROBERT EDWIN STOFFEL II
7229
STATE OF NORTH CAROLINA

ApproximateStream
InitialArea
RepairArea
House
NEW_PEA_Field_Data
Property Line
Invisiline

1 in = 200 ft

0 100 200 400 Feet

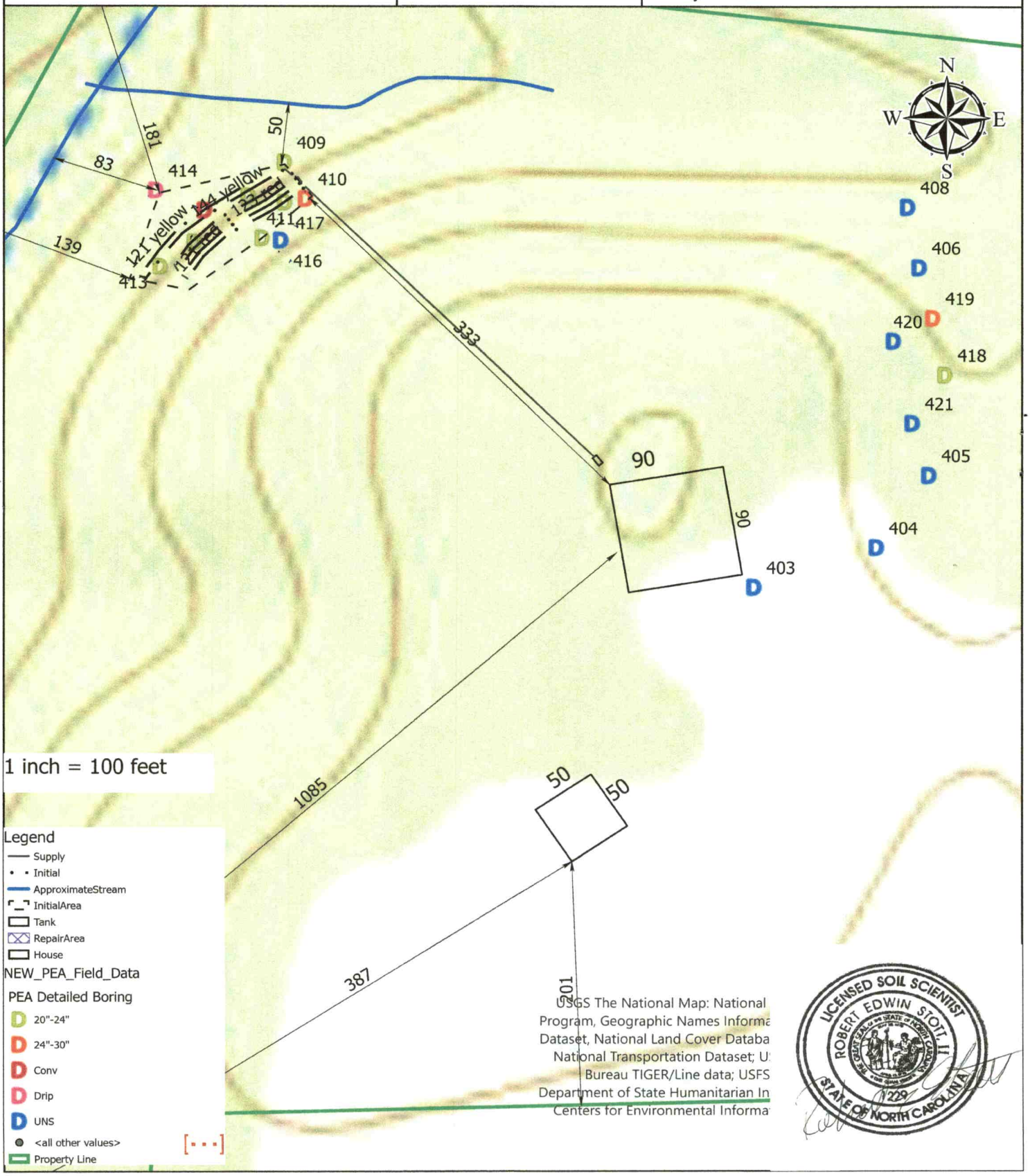
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W E
S

PIEDMONT ENVIRONMENTAL ASSOCIATES, P.A.

216 S. Swing Rd. Suite 1
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376 Elmwood Road

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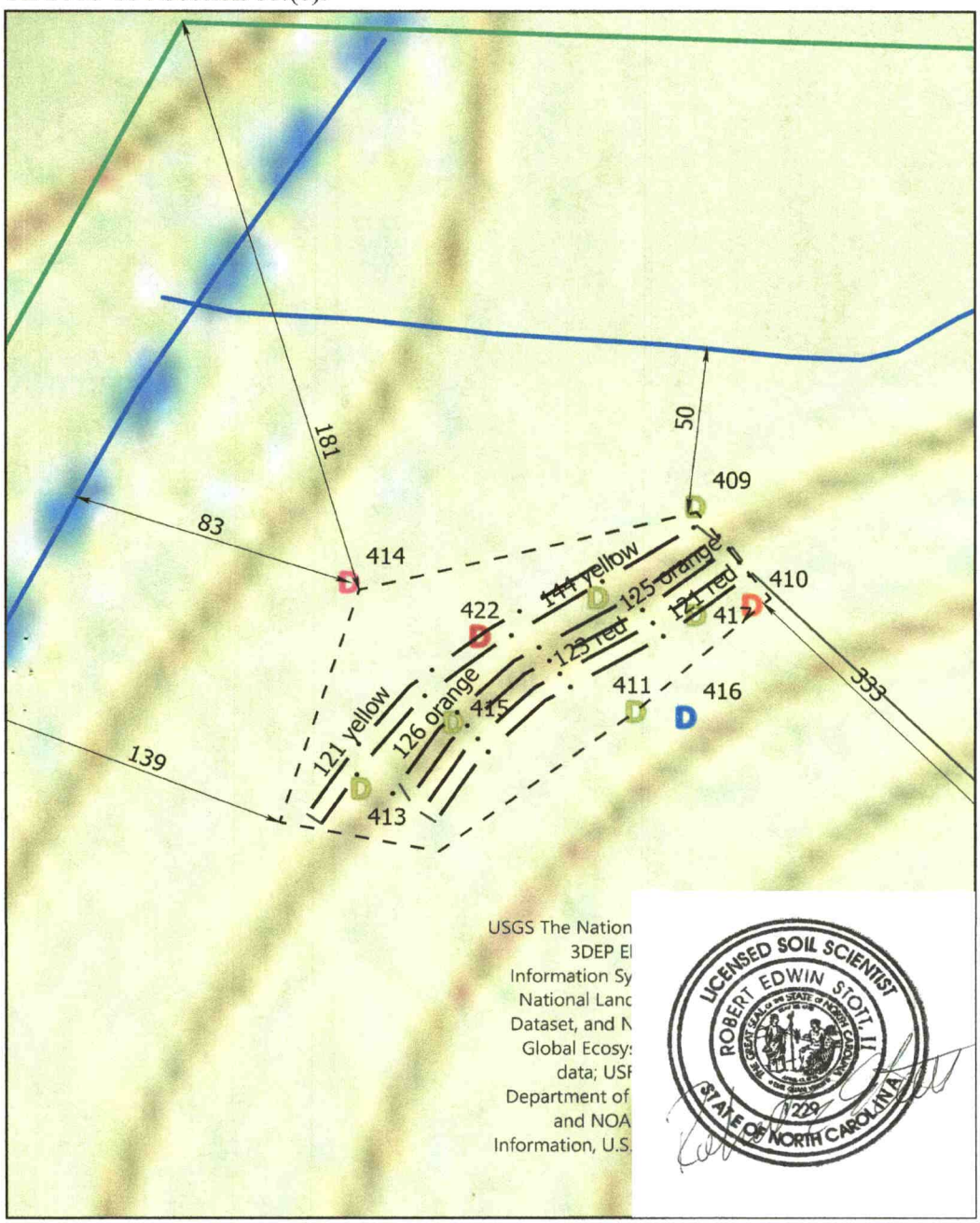
PIEDMONT ENVIRONMENTAL ASSOCIATES, P.A.

SL 114

[X] IP [X] CA

216 S. Swing Rd. Suite 1
Greensboro, NC 27409
Phone 336-344-4008
Email
edwin@piedmontsoil.com

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



Flow	360 gpd
LTAR	.25
Initial System	8 inch LDP
Footage	720 ft.
Trench Depth	min. 9
	max. 9
S. Tank	1000
P. Tank	NA
Distribution	serial
Trench Width	12 inches
Spacing	5 ft on center
Repair System	Exempt
LTAR	
Footage	
Trench Depth	min.
	max.
Sq. Footage	.1945 met
Dist. to House	>15 ft.
Dist. to Property Line	>10ft.
Dist. to Well	>50 ft.

Conditions

Install on Contour
Do not install when wet
Site prep is critical, mulch in place
System will require a topsoil fill cap of 5 inches over site can not be clay

ApproximateStream

NEW_PEA_Field_Data

- D 20"-24"
- D 24"-30"
- D Conv
- D Drip
- D UNS
- <all other values>

Property Line

PIN or Tax Map # 4774866459.000
Lot # NA
County Iredell
Address 376 Elmwood Road
Subdivision NA
Directions ###

Client Frank Thomas
Date 8/5/2020
Job # 1924

N W E S

Disclaimer: No warranty written or implied on any septic system.
SEE REPORT

Sheet ___ of ___

IREDELL COUNTY HEALTH DEPARTMENT
JANE HINSON, RN BSN MS
HEALTH DIRECTOR

Public Health
Prevent. Promote. Protect.
Iredell County Health Department

Voluntary Relinquishment of Administrative Appeal Rights
(Completion of Form by Property Owner)

_____ (Date)

Owner: Makel Wimmer
Address: ~~376 Elmwood Rd Statesville NC 28625~~ 1035 Welcome Bethesda Rd Cooleemee NC 27235

Subject: Voluntary Relinquishment of Administrative Appeal Rights

(specify Permit ID/owner's name/property location/site legal description):
376 Elmwood Road PIN 4774866459
#247807

I, Makel Wimmer, voluntarily relinquish my rights to pursue a formal appeal through the Office of
(print full name)

Administrative Hearings pursuant to NC General Statute 130A-24 and 150B-23 and all other applicable provisions of Chapter 150B for the above referenced permit in order for the authorized agent/local health department to issue the applicable permit (new IP and/or CA) for the site. I understand by completing this form the previous permit issued on 9-30-19 for a system
(date)
Drip
(system name)

for the site will be "revoked" immediately by the authorized agent/local health department.

Signature of Property Owner

Central Office
318 Turnersburg Hwy
Statesville, NC 28625
704 878-5300

Mooresville Office
610 E. Center Avenue
Mooresville, NC 28115
704 660-3625

Environmental Health
349 N. Center Street
Statesville, NC 28677
704 878-5305 x3456

http://www.co.iredell.nc.us/Departments/Health/

IREDELL COUNTY HEALTH DEPARTMENT
JANE HINSON, RN BSN MS
HEALTH DIRECTOR

Public Health
Prevent. Promote. Protect.
Iredell County Health Department

Notice of Intent to SUSPEND/REVOKE Improvement Permit/Construction Authorization
10/2/2020

Owner: Mikal Wimmer
Address: 1035 Welcome Bethesda Rd Lexington NC

Subject: Notice of Intent to Revoke/Suspend : 376 Elmwood Rd

Dear Mikal Wimmer :
(Owner's Name)

The Iredell County Health Department (ICHD) inspected the site for the on-site wastewater system located at 871 Morrison Farm Rd for compliance with the Laws (Article 11 of Chapter 130A of the North Carolina General Statutes), Rules (15A NCAC 18A .1900 et seq.), and Improvement Permit/Construction Authorization III determined the following violations:

Violation	Law or Rule Citation
New permited area per Session Law, change in system type and design.	

This is to notify you that based on these violations, the Department intends to suspend/revoke (specify) your Improvement Permit/Construction Authorization (specify) 30 days from the date of this notice.

If the ICHD determines that all of the violations have been corrected before thirty (30) days expire, the suspension/revocation (specify) will not go into effect. *[Insert for suspension]* If the permit is suspended, the health department must determine that the violations have been corrected before the suspension will be lifted. *[Insert for revocation]* If the permit is revoked, you must apply for a new Improvement Permit/Construction Authorization and meet the requirements of the current laws and rules necessary to obtain a new IP/CA.

You have a right to an informal review of this decision. You may request an informal review by the environmental health supervisor at the local health department. You may also request an informal review by the NC Department of Health and Human Services Regional Soil Scientist. A request for informal review must be made in writing to the local health department.

You also have a right to a formal appeal of this decision. To pursue a formal appeal, you must file a petition for a contested case hearing with the Office of Administrative Hearings, 6714 Mail Service Center, Raleigh, NC 27699-6714. You may write the Office of Administrative Hearings, call the office at (919) 431-3000 or get a copy of the petition form from the OAH web site at http://www.ncoah.com/forms.html . The petition for a contested case hearing must be filed in accordance with the provision of North Carolina General Statutes 130A-24 and 150B-23 and all other applicable provisions of Chapter 150B. North Carolina General Statute 130A-335 (g) provides that your hearing would be held in the county where your property is located.

If you wish to pursue a formal appeal, you must file the petition form with the Office of Administrative Hearings **WITHIN 30 DAYS OF THE DATE OF THIS LETTER.** The date of this letter is 10/2/2020. Meeting the 30 day deadline is critical to your formal appeal.

If you file a petition for a contested case hearing with the Office of Administrative Hearings, you are required by law (NC General Statute 150B-23) to serve a copy of your petition on the Office of General Counsel, NC Department of Health and Human Services, 2001 Mail Service Center, Raleigh, NC 27699-2001.

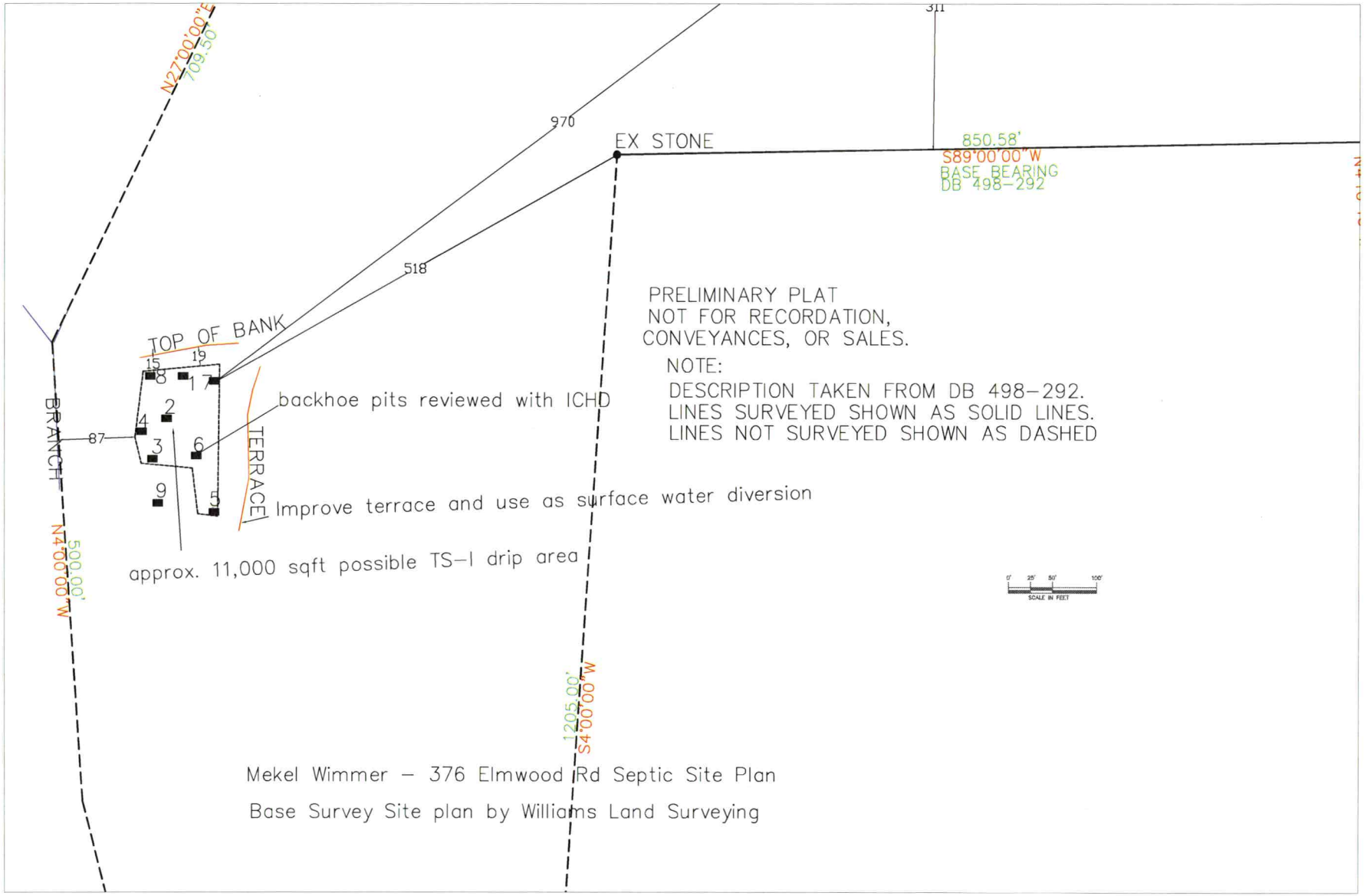
Do not serve the petition on your local health department. Sending a copy of your petition to the local health department will not satisfy the legal requirement in NC General Statute 150B-23 that you send a copy to the Office of General Counsel, 2001 Mail Service Center, NC Department of Health and Human Services.

You may contact our office at 704-878-5305 x3456 or by fax at 704-871-3483.

Sincerely,

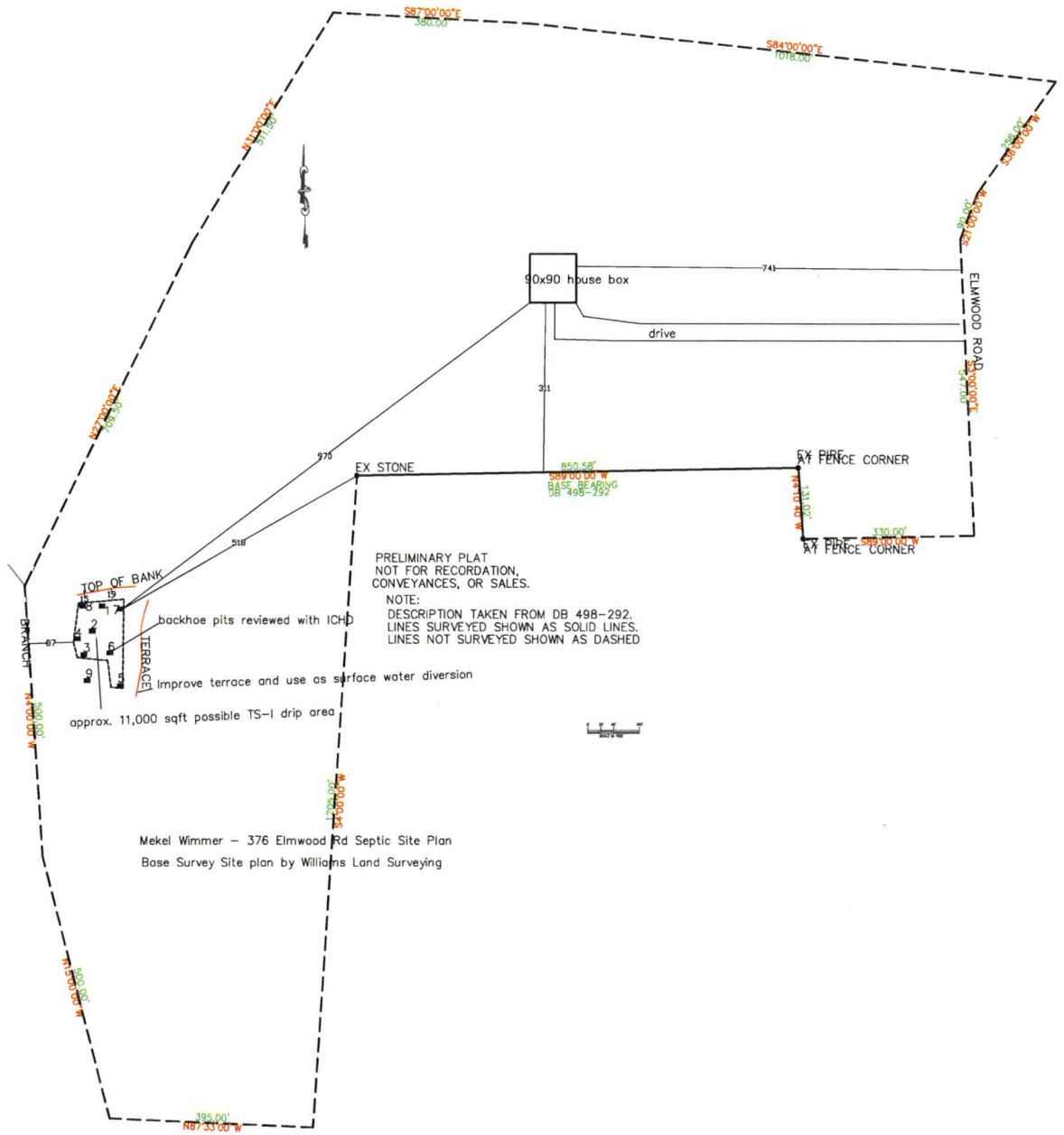
_____

Signature of DHHS Authorized Agent



Mekel Wimmer – 376 Elmwood Rd Septic Site Plan

Base Survey Site plan by Williams Land Surveying



Mekel Wimmer – 376 Elmwood Rd Septic Site Plan

Base Survey Site plan by Williams Land Surveying

Call Paul Pennigar for site evaluation 704-996-6330 SVL

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

Iredell County Health Department – Environmental Health Division 24780?

PAGE 1: *APPLICATION FORM*

Application For: ( ) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment $50 pd
(✓) 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 Survey in Septic after pits Heath Snow

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: Makel Wimmer **Address:** 1035 Welcome Bethesda Rd Lexington NC **Zip:** 27295

Applicant Email: makel_wimmer@yahoo.com **Phone:** 336-240-2272 **Alt. Phone:** _____

Owner Name: Erika Moore **Address:** 7510 Christland Ct Falls Church Va **Zip:** 22042

Owner Email: _____ **Phone:** _____ **Alt. Phone:** _____

Property Information:

Street Address: 376 Elmwood Rd Statesville

Subdivision Name: N/A **Section/Phase:** — **Lot Number:** —

Driving Directions: 64 E to Barry Oak. Rt on Elmwood

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: 3
( ) 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: _____

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

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

Signature: Makel Wimmer 8/23/19
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

DocuSign Envelope ID: 56368687-EDDA-4AA8-AAF3-9717E04B2C3C

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, Erika Moore Monika Moore, am the legal owner(s) of the property located at ELMWOOD ROAD, identified as

PIN (Parcel Identification Number) 4774866459, located in Iredell County, North Carolina.

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

DocuSigned by: Monika Moore — DocuSigned by: Erika Moore — 8/19/2019 / 8/19/2019

Signature of Owner(s) — Date

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

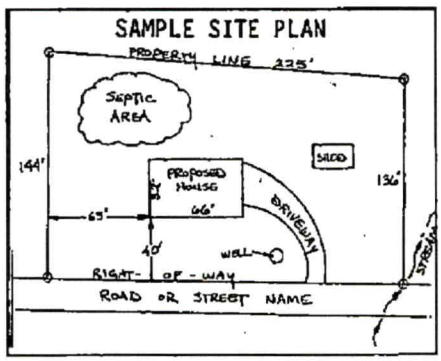
Statesville - Environmental Health
adrienne.shea@co.iredell.nc.us
Fax: 704-871-3483
349 N. Center Street, Statesville, NC 28677

Scanned with CamScanner

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:

- ( ) **Property Line measurements are clearly identified**
- ( ) **All proposed structures are indicated**
- ( ) **Front and side setbacks from property line**
- ( ) **Preferred driveway location**
- ( ) **Preferred well location**
- ( ) **Preferred septic system location**
- ( ) **North arrow, or other sufficient indicator of direction**

Circle N/A on the following if appropriate:

Location of septic systems and wells within 100' of your property	**N/A**
Location of easements and rights of ways on your property	**N/A**
Location of any designated wetlands on the property	**N/A**

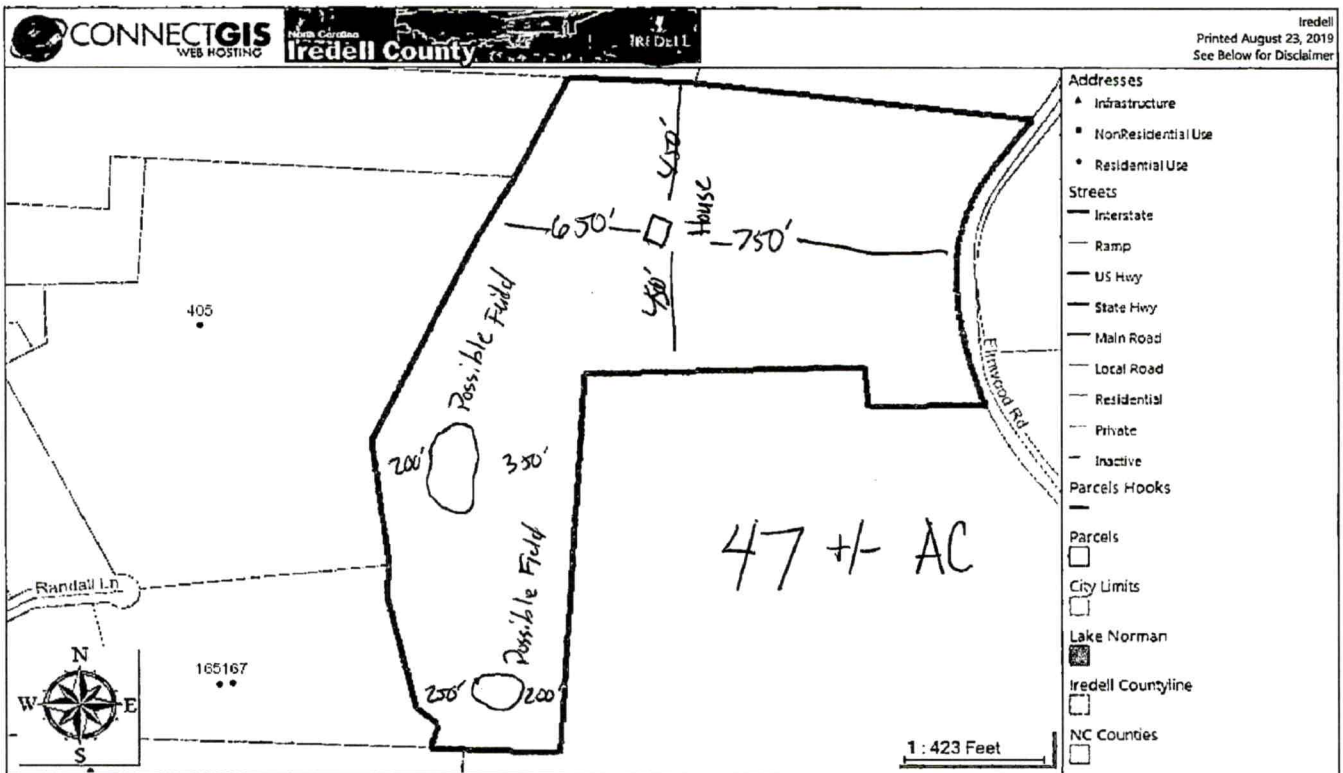
USE THIS SPACE TO DRAW YOUR SITE PLAN

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

See attached

Signature: _____ 8/23/19

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



The maps prepared for this website are generated from recorded deeds, plats, and other public records. Users of these maps are hereby notified that the information provided herein should be verified. Iredell County assumes no legal responsibilities for any of the information contained on this site. Users are advised that the use of any of this information is at their own risk. All maps on this site were prepared using a 1000â€™ Grid based upon the North Carolina State Plane Coordinate System from the 1983 North American Datum. The delinquent real property tax overlay is updated monthly. The information presented is not intended to be used or relied upon as official notice of tax liens. For additional information regarding delinquent taxes, contact the Iredell County Tax Collector's Office.

IREDELL COUNTY

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

APPLICATION NUMBER
247807
Issue Date: 08/23/2019

ZONING PERMIT

Residential

Parcel Number	Street Address	Jurisdiction
4774866459.000	376 ELMWOOD, STATESVILLE, NC 28625	

Owner Information		Applicant Information	
Owner:	MOORE ERIKA J+MONIKA L MOORE	Applicant:	
Address:	577	Address:	
	IREDELL CO, NC 28625		
Phone:		Phone:	

Use Requested	Zone Code

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
47.000	35.00	35.00	15.00	15.00	NOT	X

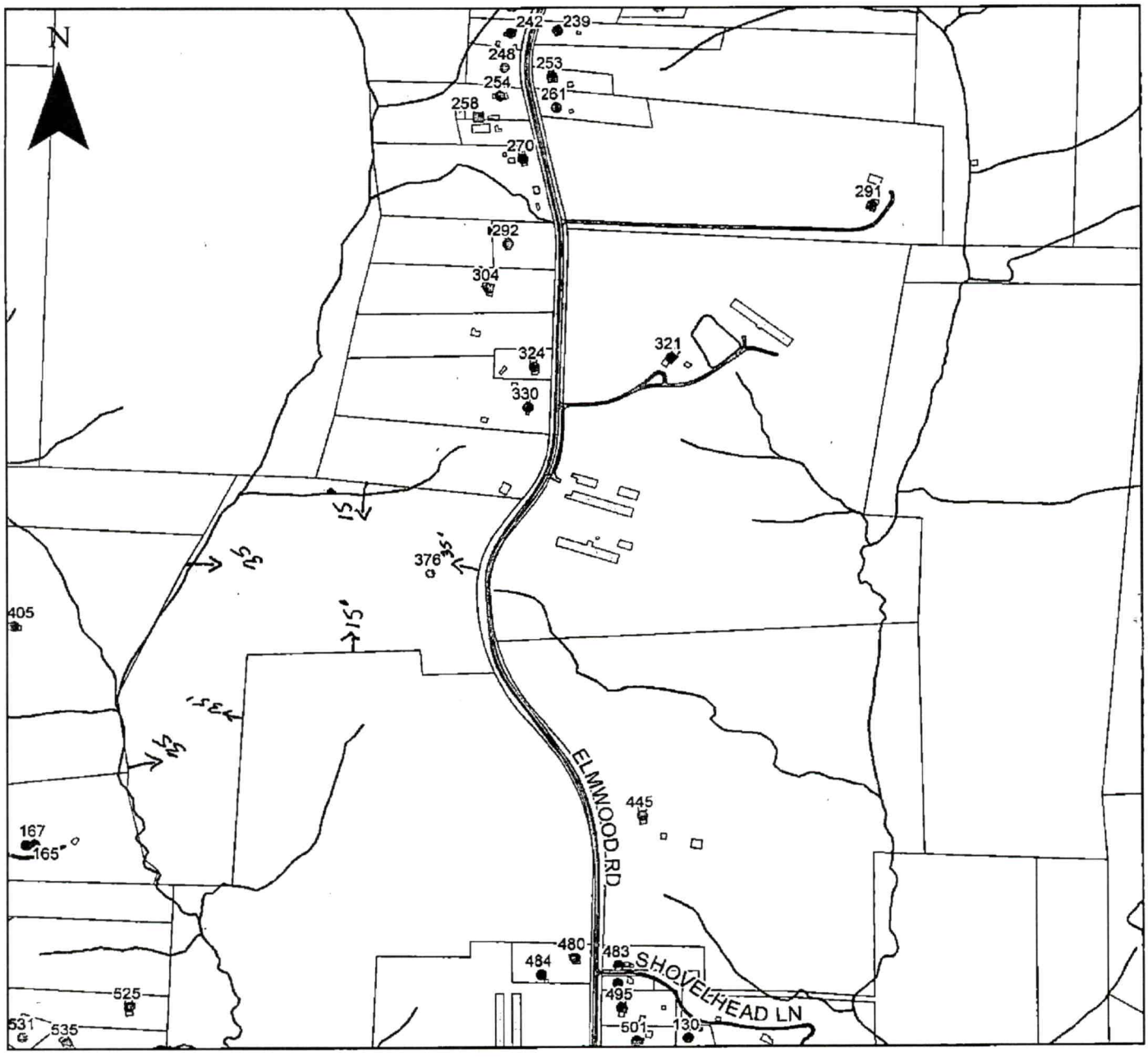
Remarks:

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	189912	TOTAL FEES:	$ 77.25

ZONING DISCLAIMER



Property Address 376 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

8/23/19
Date