ICHD - ENVIRONMENTAL HEALTH DIVISION
SEPTIC: IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM

Statesville Office (704) 878-5305 x3456 Mooresville Office (704) 660-3625

CW

MANF 2024-44480

PERMIT : OSWP 2024-50440 ✓

PIN # 4724 -91 -2002 ✓

APPLICANT/OWNER: Thomas Hernandez APPLICANT ADDRESS: 2027 Kennedy Dr, Statesville, NC 28677

SITE ADDRESS: 2027 Kennedy Dr, Statesville, NC 28677 ✓ PHONE: (336) 662-2943 ALT. PHONE -

SITE DIRECTIONS: Kelly St, West End, West Front, Newton, Park, Williams, Kennedy SAP CONTROLLED: ☐ YES ☑ NO

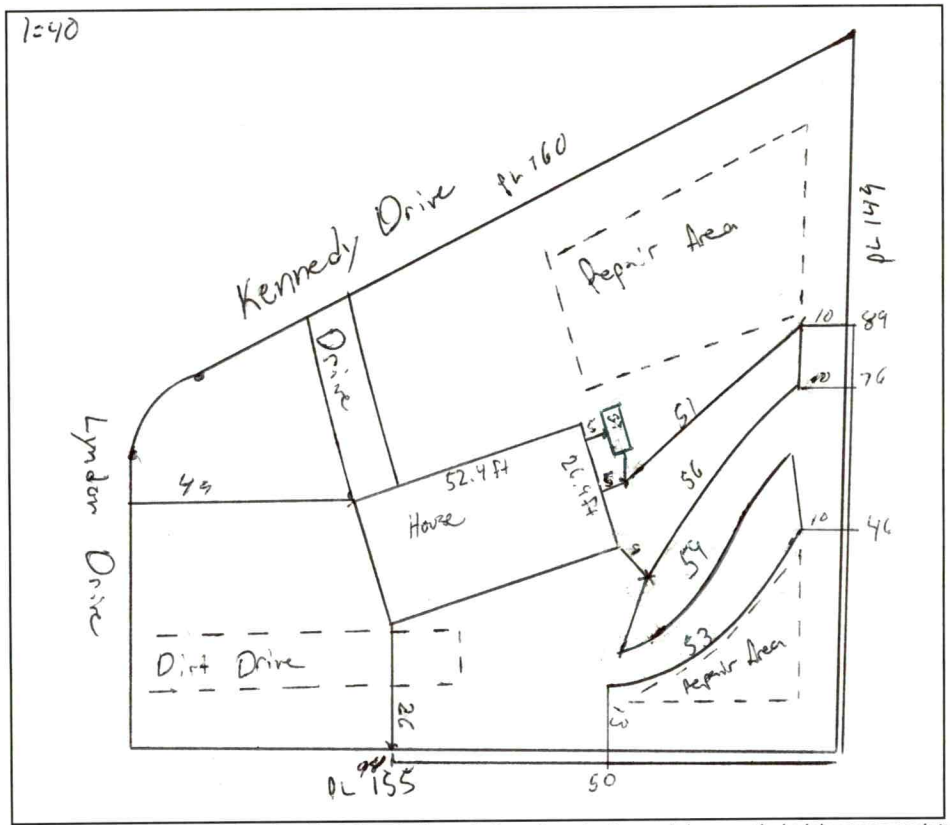
SUBDIVISION: Lincoln Estates ✓ SECTION: 52 ✓ LOT # 55 ✓ LOT AREA: - DESIGN FLOW: 360 L.T.A.R.(Initial): .275 L.T.A.R (Repair): .275

Septic Tank 1000 (gal)	STB	Date	☑ New System ☐ Repair ☐ Expansion	System Type: I II III IV V VI	☑ Residence	No. Bedrooms 3	Water Supply
Pump Tank (gal)	PT	Date	System Description: 50% Reduction - VPPBPS - Serial		☐ Business	No. Persons 6	☐ Private
Pump Make	Model	Serial #	Repair System Description: 50% Reduction - VPPBPS - LP		☐ Other	No. Employees	☑ Public
# Nitrification Fields 1	# Lines 4	Linear Ft 219	Maintenance Agreement Required: ☐ YES ☑ NO		☐ Slab	☑ Crawl Space	☐ Community
Trench Width 24in	*Max. Trench Depth(Initial) 28in	*Max. Trench Depth(Repair) 28in	Gravel Depth N/A	☑ GRAVITY ☐ PRESSURE	☐ Basement w/plumbing	☐ Basement w/o plumbing	
* Measured on the downhill side of the trench	Effluent Standard: ☑ DSE ☐ HSE ☐ TS-I ☐ TS-II ☐ RCW ☐ NSF/ANSI 40		Usable Depth to LC (Initial): 48in		Usable Depth to LC (Repair): 48in		Limiting Condition

Comments / Conditions: Install on contour with 8ft centers. Serial lines together, Line lengths must be within 10% of each other. Do not drive, park or construct on septic area.

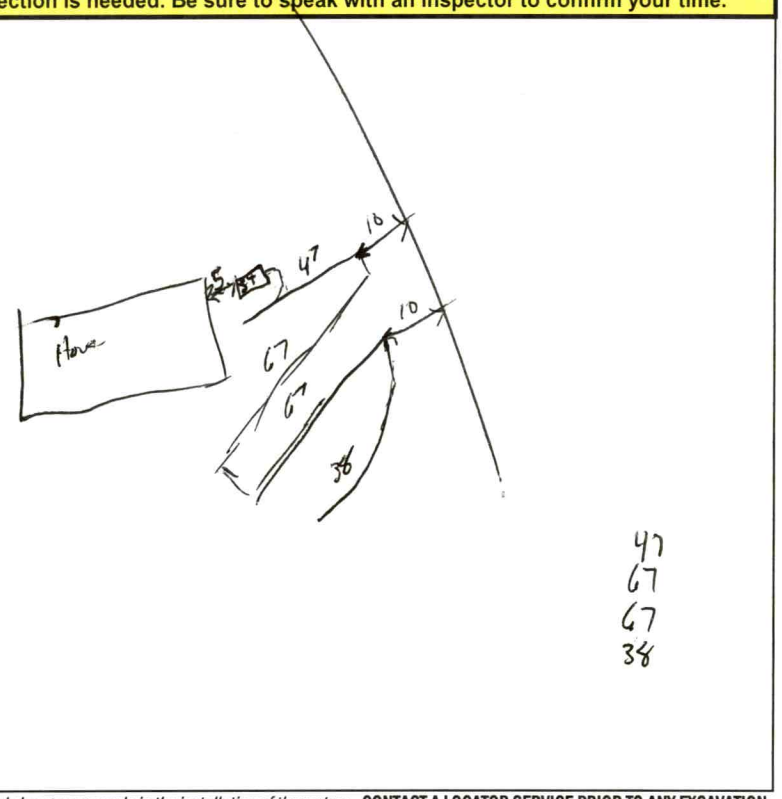
* Remove fill off repair area before signing AC.

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: On file Signature Date: Installed by: Landz Wastewater

IMPROVEMENT PERMIT by: Matt Wilkie ✓ Date: 4/25/24 OPERATION PERMIT by: Matt Wilkie ✓ Date: 5/23/24

AUTHORIZATION TO CONSTRUCT by: Matt Wilkie ✓ Date: 5/1/24 Existing System Inspected by: Date:

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

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

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

Sheet 1 of 2
PROPERTY ID #: 772491200Z
COUNTY: Iredell

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

OWNER: James W Sharpe
ADDRESS: 119 Knox Haven Ln Mooresville 28117
PROPOSED FACILITY: SFR
LOCATION OF SITE: 2027 Kennedy Dr

APPLICATION DATE 7/15/22
DATE EVALUATED: 9/20/22
PROPOSED DESIGN FLOW (.1949): _____
PROPERTY SIZE: _____
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	LS	0-27	f:11		YB in C profile	11	-	-	Un
		27-48	C/SBK	ss sp fr SE					
2	LS	0-10	f:11		-	48	Sap inclusions some in at 45	-	PS .3
		10-17	SCL/SBK	ss sp fr SE					
		17-30	C/SBK	ss sp fr SE					
		30-48	CL/SBK	ss sp fr SE					
3	FS	0-12	f:11		-	38	Sap inclusions 4 + bottom 45	Rock clusters throughout	PS .3
		12-30	SC/ABK	ss sp fr SE					
		30-48	CL/SBK	ss sp fr SE					
4	FS	0-15	f:11		-	33	Sap inclusions at 40 with Litho	-	PS .3
		15-28	SC/SBK	ss sp fr SE					
		28-48	CL/SBK	ss sp fr SE					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	860	860
System Type(s)	50%	60%
Site LTAR	275	1.275

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Matthew Wilkinson
OTHER(S) PRESENT: Sean B

COMMENTS: Fill needs to be cut down

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.

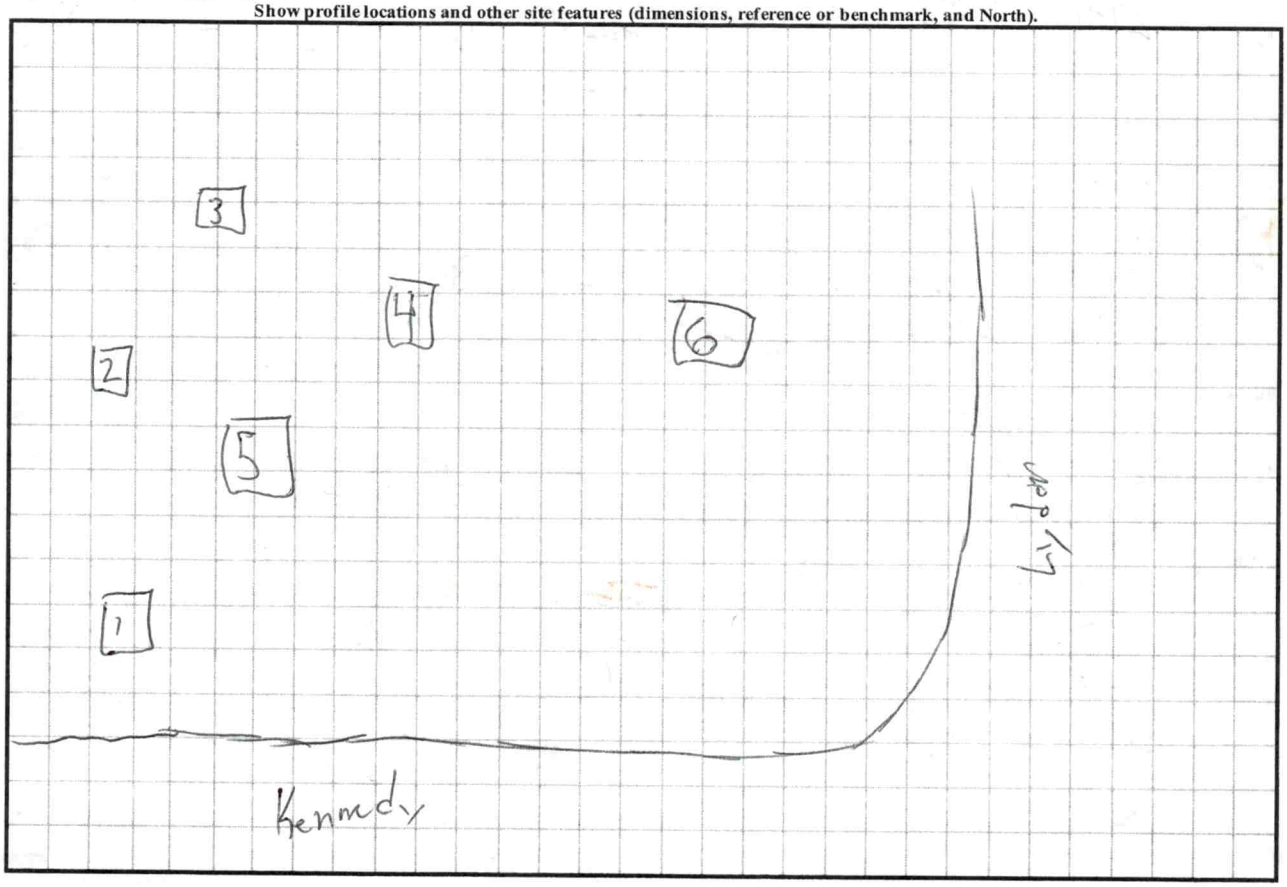
NOTES

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).



(5) 0-37 fill
LS 37-42 SC / SBK
42-52 CL / SBK

Un

(6) 0-19 fill
19-24 SCL / Gr
24-48 CL / SBK

Sap inclusions PS
+ Litho throughout CL
- 3

Fill will need to be cut

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

Sheet ____ *of* ____
PROPERTY ID #: _____
COUNTY: _____

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

OWNER: Sapa CS 1 _____ APPLICATION DATE _____
ADDRESS: _____ DATE EVALUATED: _____
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
LOCATION OF SITE: _____ PROPERTY RECORDED: _____
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	15%	0-7	FILL	MIXED	Rock @ 36-40"	48"	–	–	PS .275
		7-17	C/ABK	SS-SP-FR-SEXP					
		17-48	CL/SBK	SS-SP-FR-SEXP					
2	3%	0-11	SC/SBK	~~SS SP FR SE~~		48	Sap inclusions 24+	-	PS .275
		11-25	C/ABK	~~SS SP SS SE~~					
		25-48	CL/SBK	~~SS SP FR SE~~					
3	12%	0-20	C/ABK	~~SS SP FR SE~~	Band of rock @ 21" heavy sap inc @ 36"+	48"	-	-	PS .275
		20-48	CL/SBK	~~SS SP FR SE~~					
4	13%	0-31	C/ABK	~~SS SP FR SE~~	Litho inc 31"+	48"	-	-	PS .275
		31-48	CL/SBK	~~SS SP FR SE~~					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	360	360
System Type(s)	80%	30%
Site LTAR	.275	275

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: McArthur
OTHER(S) PRESENT: Sara B

COMMENTS: _____

LEGEND

use the following standard abbreviations

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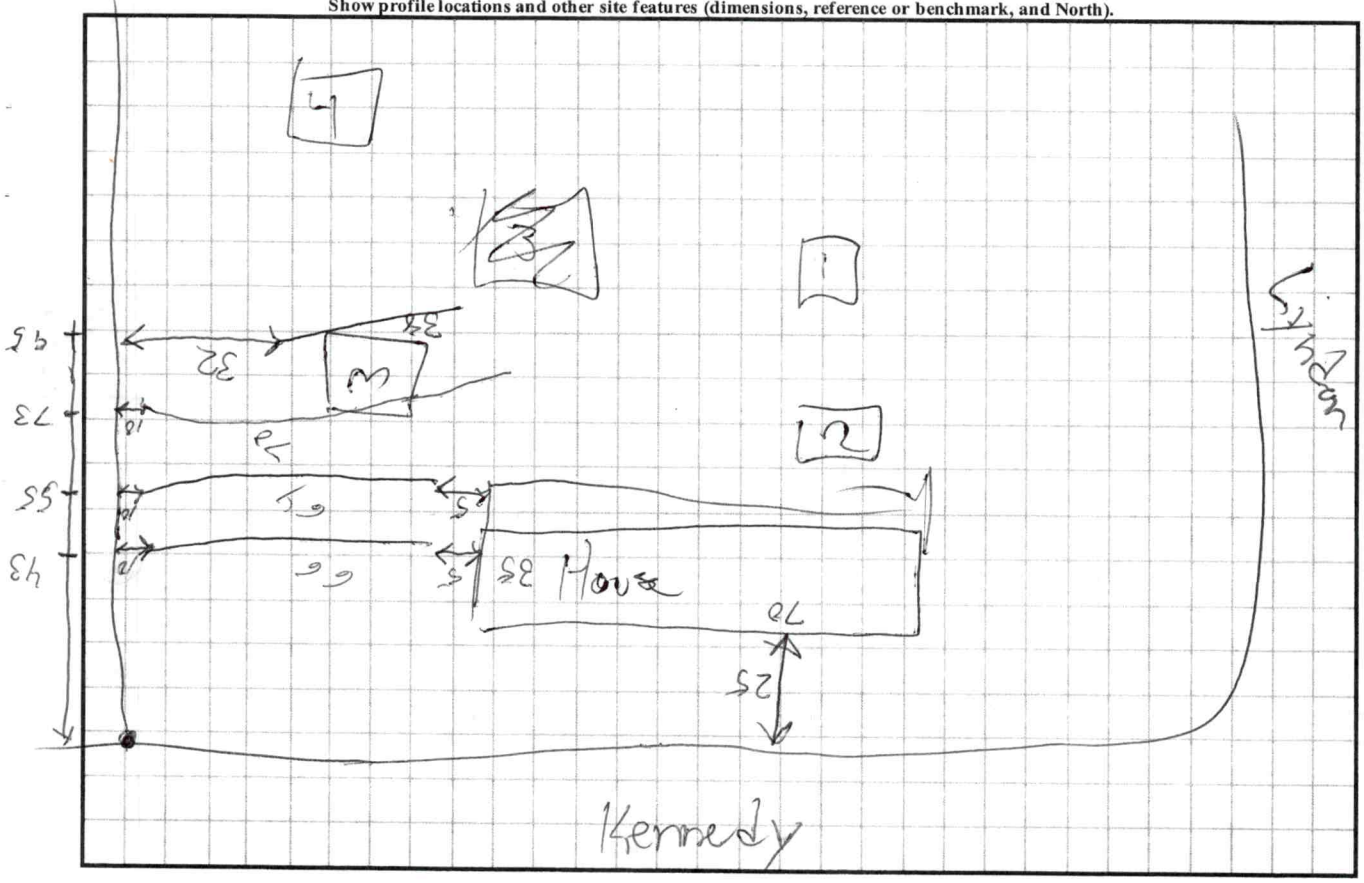
NOTES

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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).



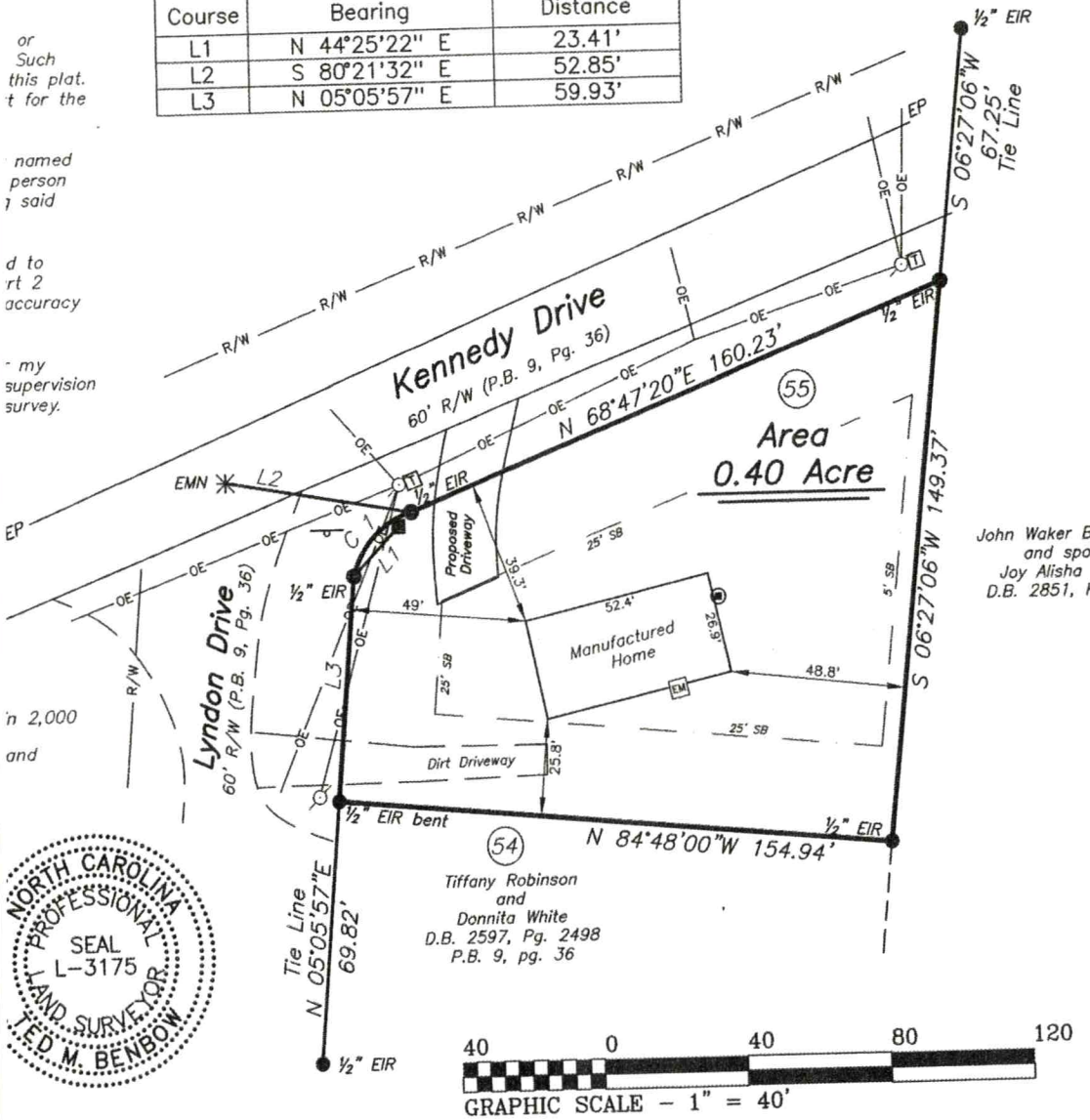
Updated February 2014

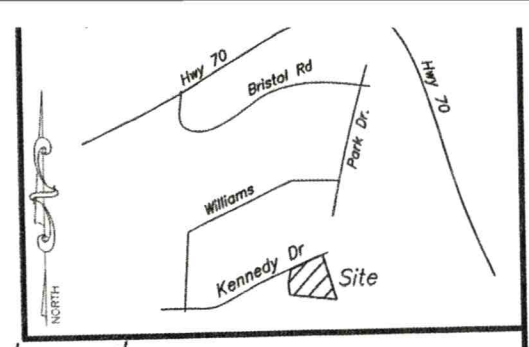
Curve	Radius	Length	Chord	Chord Bear.
C1	24.05'	24.45'	23.41'	N 44°25'22" E

1"=50'

Tie Lines Only

Course	Bearing	Distance
L1	N 44°25'22" E	23.41'
L2	S 80°21'32" E	52.85'
L3	N 05°05'57" E	59.93'





Legend

- EIR ..... EXISTING IRON ROD AS SHOWN
- MONUMENT AS INDICATED
- RIGHT OF WAY MONUMENT
- UTILITY POLE
- T ..... TELEPHONE PEDESTAL
- STREET SIGN
- EM ..... ELECTRIC METER
- CLEAN OUT
- EMN ..... EXISTING MAG NAIL AS SHOWN
- PIN ..... PARCEL IDENTIFICATION NUMBER
- EP ..... EDGE OF PAVEMENT
- R/W ..... RIGHT OF WAY
- NTS ..... NOT TO SCALE
- SB ..... BUILDING SETBACK
- LINE SURVEYED
- TIE LINE SURVEYED
- LINE NOT SURVEYED
- R/W — RIGHT-OF-WAY LINE
- GRAVEL DRIVE LINE
- OE — OVERHEAD UTILITY LINE
- BUILDING SETBACK LINE



NORTH CAROLINA PROFESSIONAL SEAL L-3175 LAND SURVEYOR TED M. BENBOW

40 0 40 80 120

GRAPHIC SCALE – 1" = 40'

Flood Hazard Area Certificate

According to mapping provided by the Federal Emergency Management Agency and shown on the Digital Flood Insurance Rate Map (DFIRM) Panel 4724, Iredell County, North Carolina, effective date: 3/18/2008, the property shown hereon is not located within a special flood hazard area. The property is entirely within an area designated "Zone X – other areas". Areas determined to be outside the 0.2% annual chance floodplain: areas outside future conditions 1% annual chance floodplain.

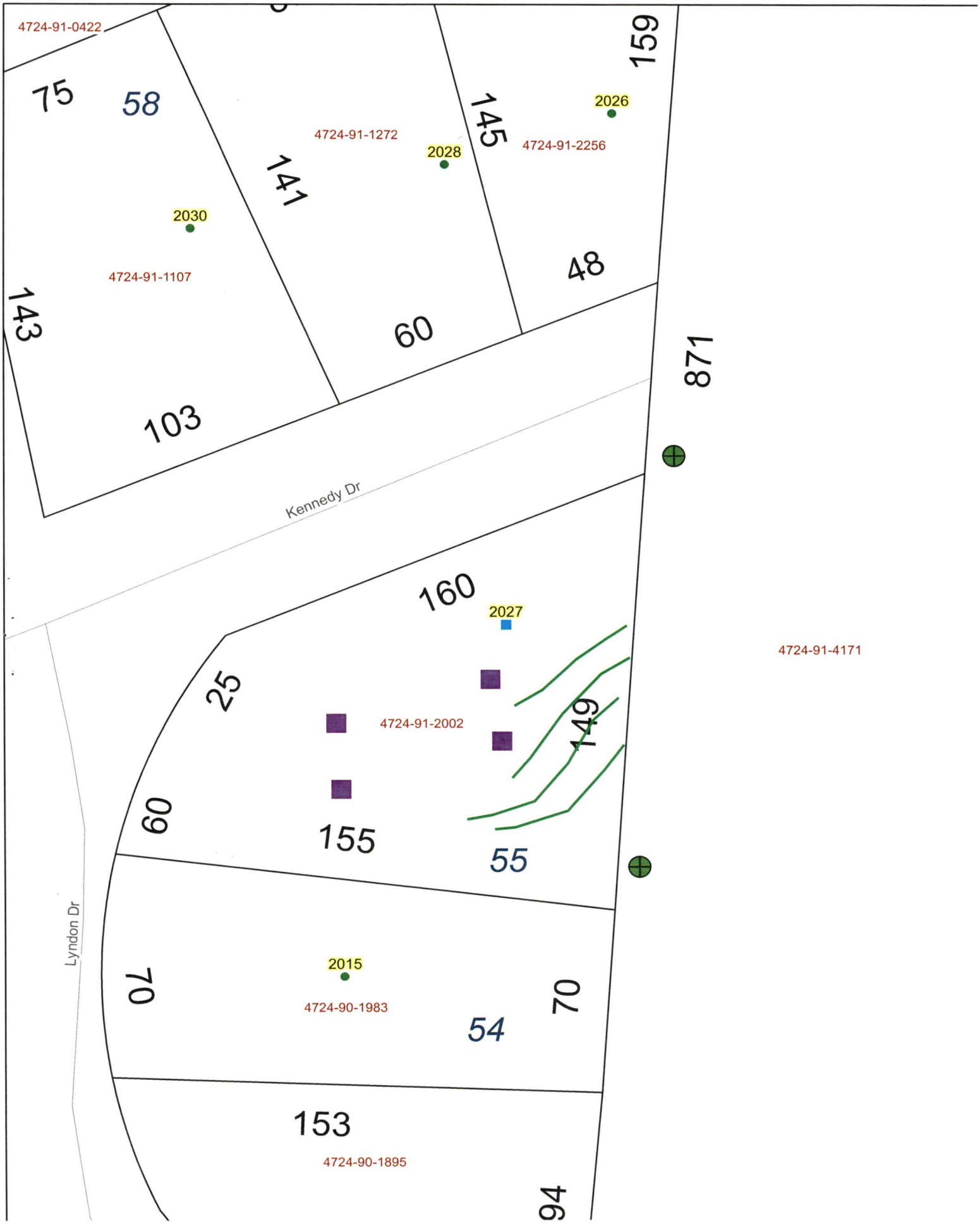
Zoning

ZONING: R-5m (City of Statesville)
Building Setbacks
Front – 25'
Side – 5'
Rear – 25'
Sidestreet – 25'

As-Built Survey For:

Thomas Guzman

Statesville Township, Iredell County, NC
Owners of Record: Brandon J. Cole and Thomas E. Hernandez Guzman
Deed Reference: D.B. 3016, Pg. 2012
Plat Reference: P.B. 9, Pg. 36
PIN: 4724-91-2002
Job Number: 2404107.DWG (2404107.CRD)
Field Work: 07/08/2022
Revised Field Work: 12/18/2023, 04/02/2024
Plat Date: 01/4/2024 Drawn By: DP/SR
Revised Plat Date: 01/12/2024 to show driveway dimensions
Revised Plat Date: 4/2/2024 As-Built
Revised Plat Date: 4/3/2024 Proposed Drive


4724-91-0422
75
58
4724-91-1272
141
2028
145
4724-91-2256
2026
159
2030
4724-91-1107
143
60
48
871
103
Kennedy Dr
160
2027
4724-91-4171
25
4724-91-2002
149
60
155
55
Lyndon Dr
2015
70
4724-90-1983
70
54
153
4724-90-1895
94

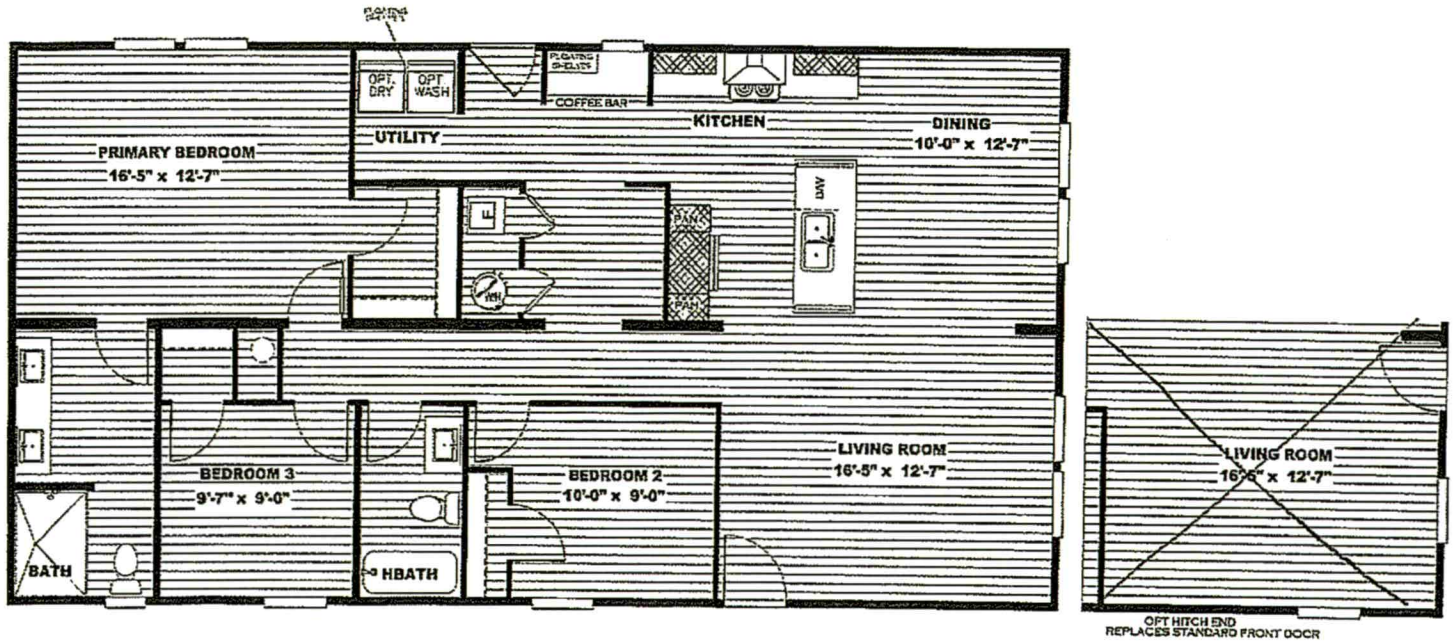
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DocuSigned by:
469DAC2077394A3...

"The Cook"
TRITON

Acknowledgement Of
Plans Submittal ONLY!
Matt Win Date 4/25/24
Date

10/5/2023 | 9:46 AM MST



MODEL #CEJ28523AH

SQ.FT. 1,369

DRAWING # CE-M034-52-3

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