BLDR 0014-S 1969

ICHD - ENVIRONMENTAL HEALTH DIVISION

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

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

PERMIT: OSWP 2024-56404

PIN # 4787-84-4550 ✓

APPLICANT/OWNER: Lilianna Porras APPLICANT ADDRESS: 336 Loggerhead Rd Statesville NC 28625

SITE ADDRESS: 336 Loggerhead Rd Statesville NC 28625 ✓ PHONE: 704-500-7639 ALT. PHONE -

SITE DIRECTIONS: 64 to Eagle Valley to Loggerhead. SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: ✓ SECTION: - LOT # - ✓ LOT AREA: 2.2AC DESIGN FLOW: 360 L.T.A.R.(Initial): .30 L.T.A.R (Repair): .30

Septic Tank	Existing 1000 (gal)	STB		Date		☒ New System	☐ Repair	☐ Expansion	System Type: I II III IV V VI
Pump Tank	- (gal)	PT	-	Date	-	System Description:	Conv. - 25% Reduction		
Pump Make	-	Model	-	Serial #	-	Repair System Description:	PPBPS - 50% Reduction		
# Nitrification Fields	1	# Lines	2	Linear Ft	102	Maintenance Agreement Required:	☐ YES	☒ NO	
Trench Width	36in	*Max. Trench Depth(Initial)	32in	*Max. Trench Depth(Repair)	32in	Gravel Depth	-	☒ GRAVITY	☐ PRESSURE

* 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

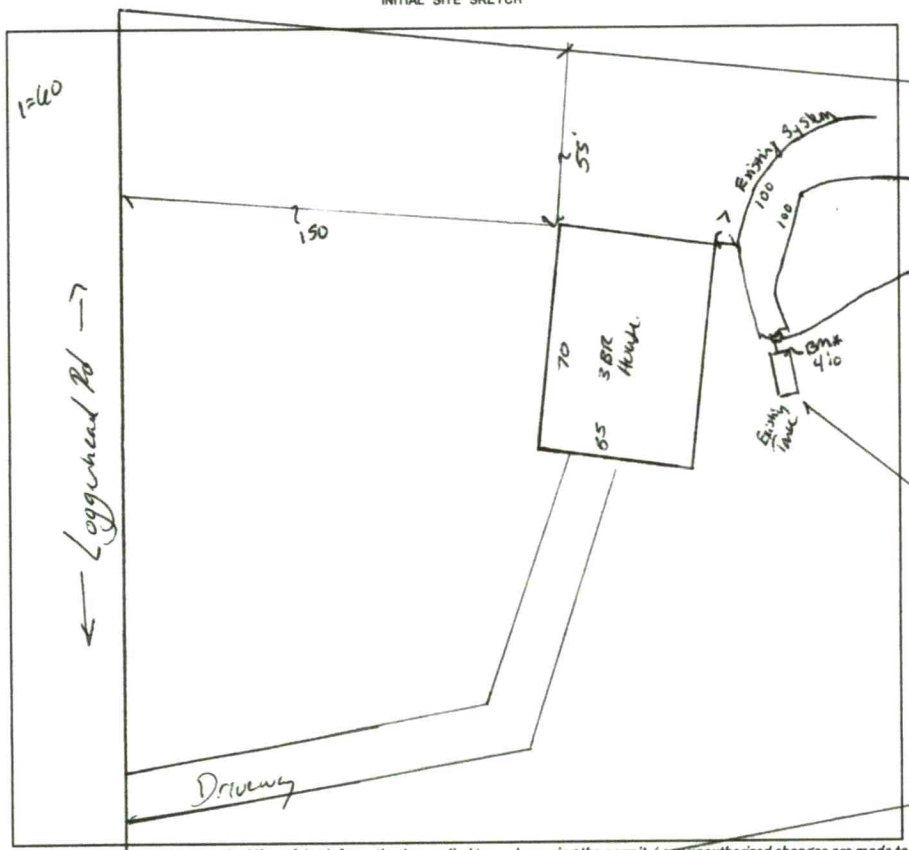
☒ Residence	No. Bedrooms	3	Water Supply	
☐ Business	No. Persons	6	☒ Private	
☐ Other	No. Employees		☐ Public	
☐ Slab	☒ Crawl Space		☐ Community	
☐ Basement w/ plumbing	☐ Basement w/o plumbing			

Usable Depth to LC (Repair): 48in *Limiting Condition*

Comments / Conditions: Lines layed out to achieve fall from existing Septic tank. Layout on the contour of the land & utilize Serial Distribution. Utilize New D-Box to distribute the waste water evenly. Re-route H2o lines

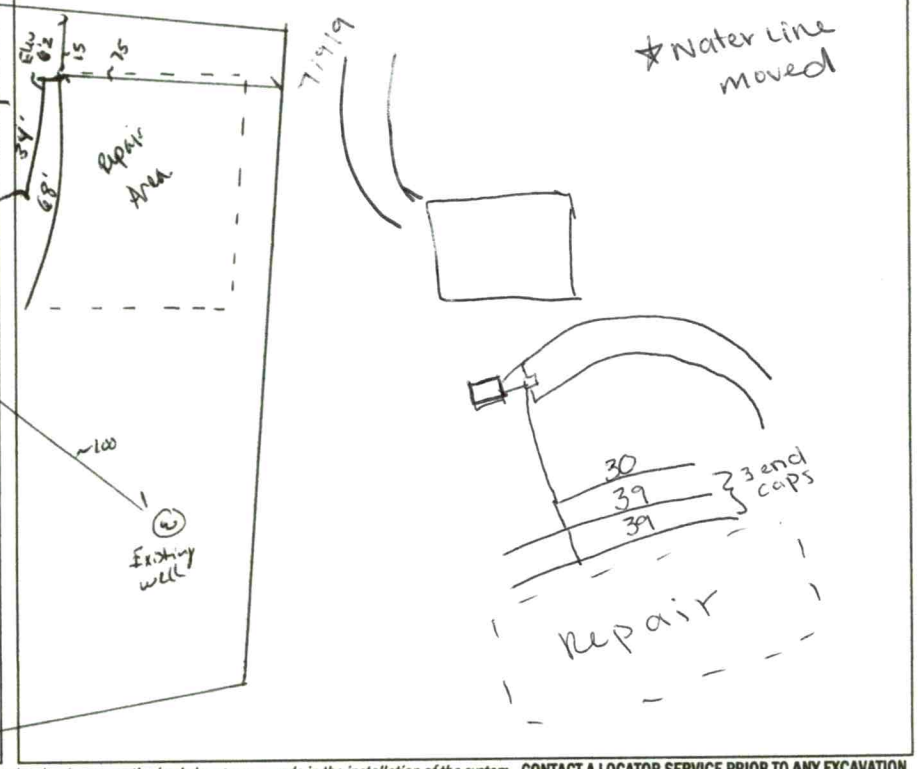
* Patio not be constructed over top of existing Septic System

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: Date:

IMPROVEMENT PERMIT by: Brigman A Bell ✓ Date: 7/11/2024

AUTHORIZATION TO CONSTRUCT by: Brigman A Bell ✓ Date: 7/11/2024

Installed by: A1 - Backhoe

OPERATION PERMIT by: Sydney Hilliard ✓ Date: 10/10/24

Existing System Inspected by: Date:

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

PERMIT ; OSWP 2024-56404

PIN # 4787-84-4550

APPLICANT/OWNER: Lilianna Porras APPLICANT ADDRESS: 336 Loggerhead Rd Statesville NC 28625

SITE ADDRESS: 336 Loggerhead Rd Statesville NC 28625 PHONE: 704-500-7639 ALT. PHONE -

SITE DIRECTIONS: 64 to Cedar Valley to Loggerhead. SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: SECTION: - LOT # - LOT AREA: 2.2AC DESIGN FLOW: 360 L.T.A.R.(Initial): .30 L.T.A.R (Repair): .30

Septic Tank	Existing 1000 (gal)	STB		Date		☒ New System	☐ Repair	☐ Expansion	System Type: I (II) III IV V VI	☒ Residence	No. Bedrooms 3
Pump Tank	- (gal)	PT	-	Date	-	System Description:	County - 25% Reduction.			☐ Business	No. Persons 6
Pump Make	-	Model	-	Serial #	-	Repair System Description:	PPBPS - 50% Reduction			☐ Other	No. Employees
# Nitrification Fields	1	# Lines	2	Linear Ft	102	Maintenance Agreement Required:	☐ YES	☒ NO		☐ Slab	☒ Crawl Space
Trench Width	36in	*Max. Trench Depth(Initial)	32in	*Max. Trench Depth(Repair)	32in	Gravel Depth	-	☒ GRAVITY	☐ PRESSURE	☐ Basement w/plumbing	☐ Basement w/o plumbing

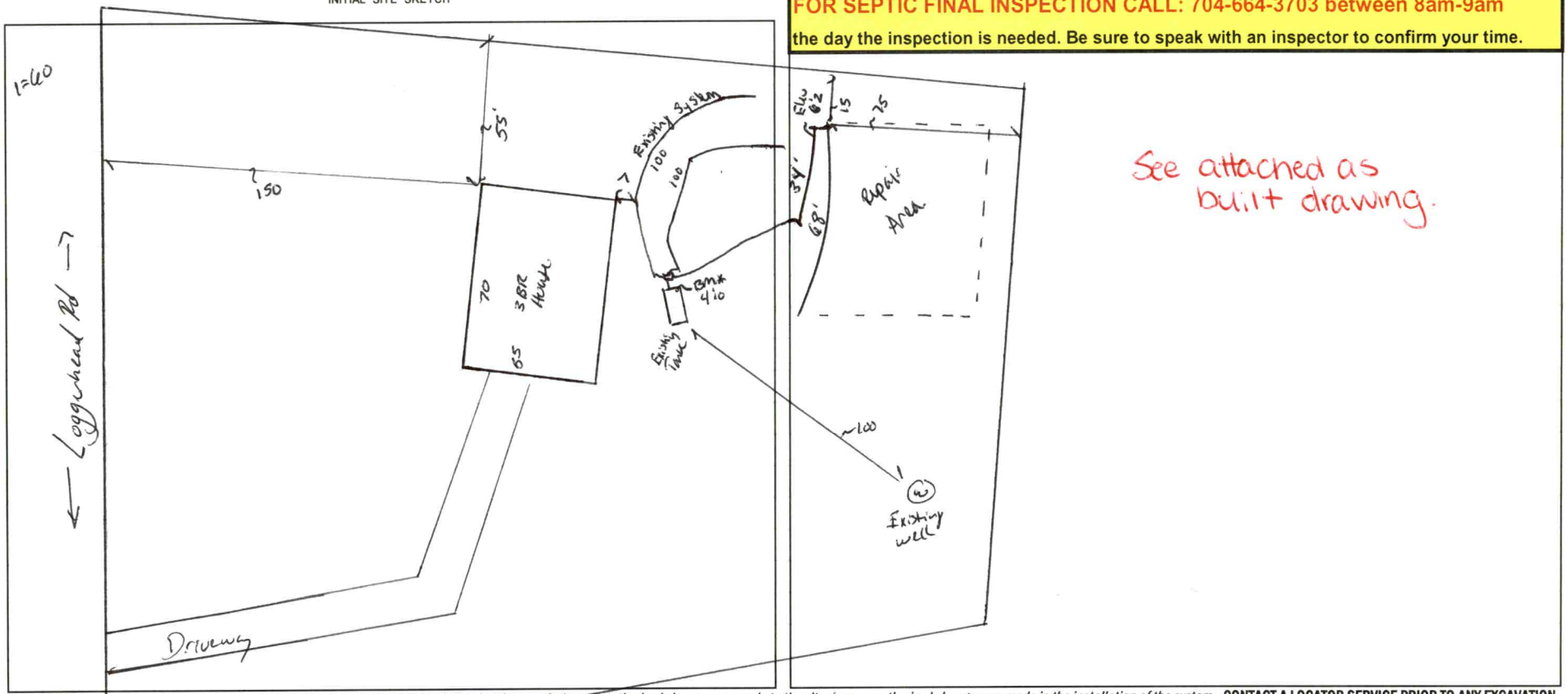
Water Supply: ☒ Private ☐ Public ☐ Community

* 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: Lines layed out to achieve fall from existing Septic tank. Layout on the contour of the land to utilize Serial Distribution. Utilize new D-Box to distribute the waste water evenly. Re-route H2o lines

* Patio not be constructed over top of existing Septic System

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.

See attached as built drawing.

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: Installed by:

IMPROVEMENT PERMIT by: Date: 7/11/2024 OPERATION PERMIT by: Date:

AUTHORIZATION TO CONSTRUCT by: Date: 7/11/2024 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

PROPERTY ID #: 4788445350
COUNTY: Iredell

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

(Complete all fields in full)

OWNER: Diana Rucker DATE EVALUATED: 7/9
ADDRESS: 336 Loyenbeck Rd Statesville NC 28625
PROPOSED FACILITY: 3BR PROPOSED DESIGN FLOW (.0400): 360. PROPERTY SIZE: 2.2 ac
LOCATION OF SITE: 360 Loyenbeck PROPERTY RECORDED: yes
WATER SUPPLY: Public (Single Family Well) Shared Well Spring Other WATER SUPPLY SETBACK: 50'
EVALUATION METHOD: Auger Boring (Pit) Cut TYPE OF WASTEWATER: (Domestic) High Strength IPWW

PROFILE #	.0502 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY .0503 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY .0503 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ	.0509 PROFILE CLASS & LTAR*	.0503 SLOPE CORRECTION
1	LSS 15,1	0-12	Plow SC		2.5YR 5/6	50	NA	NA	R .30	6%
		12-15	SCL ABk	SS SP FR						
		15-25	C ABk	SS SP FR						
		25-50	CL wABk	SS SP FR						
2	Side 5-10.	0-9	Plow		2.5YR 3/2	50	NA	NA	S .30	4%
		9-12	SCL ABk	SS SP FR						
		12-30	C ABk	SS SP FR						
		30-50	CL ABk	SS SP FR						
3		0-6	Plow		2.5YR 5/6	50	NA	NA	S .30	
		6-30	C - ABk	SS SP FR SPL						
		30-51	CL ABk	SS SP FR						
4										

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	102	290
System Type(s)	11	~~I~~ IV
Site LTAR	.30	.30
Maximum Trench Depth	36	36.

SITE CLASSIFICATION (.0509):
EVALUATED BY:
OTHER(S) PRESENT:

Comments: Existing System Dump

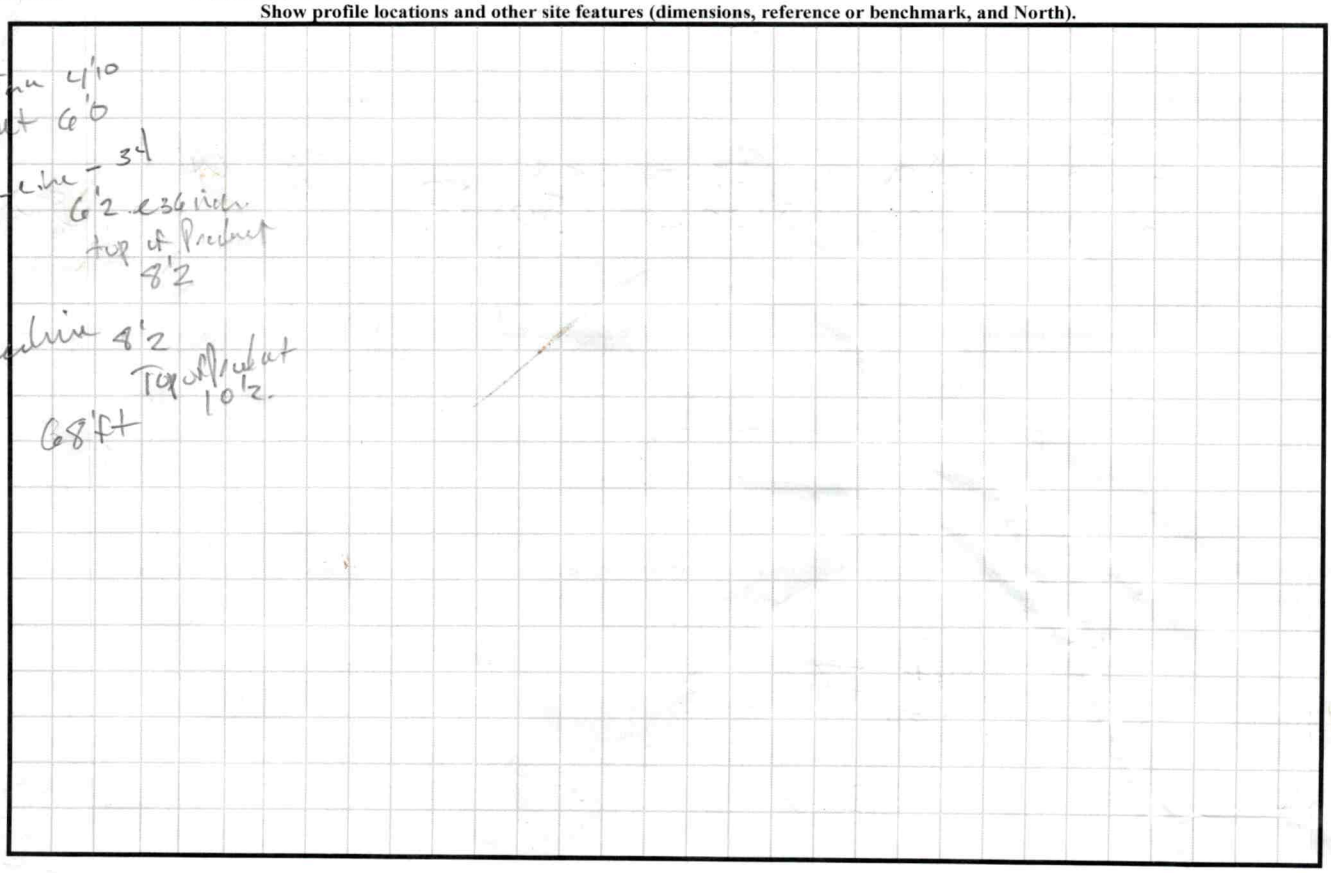
LEGEND

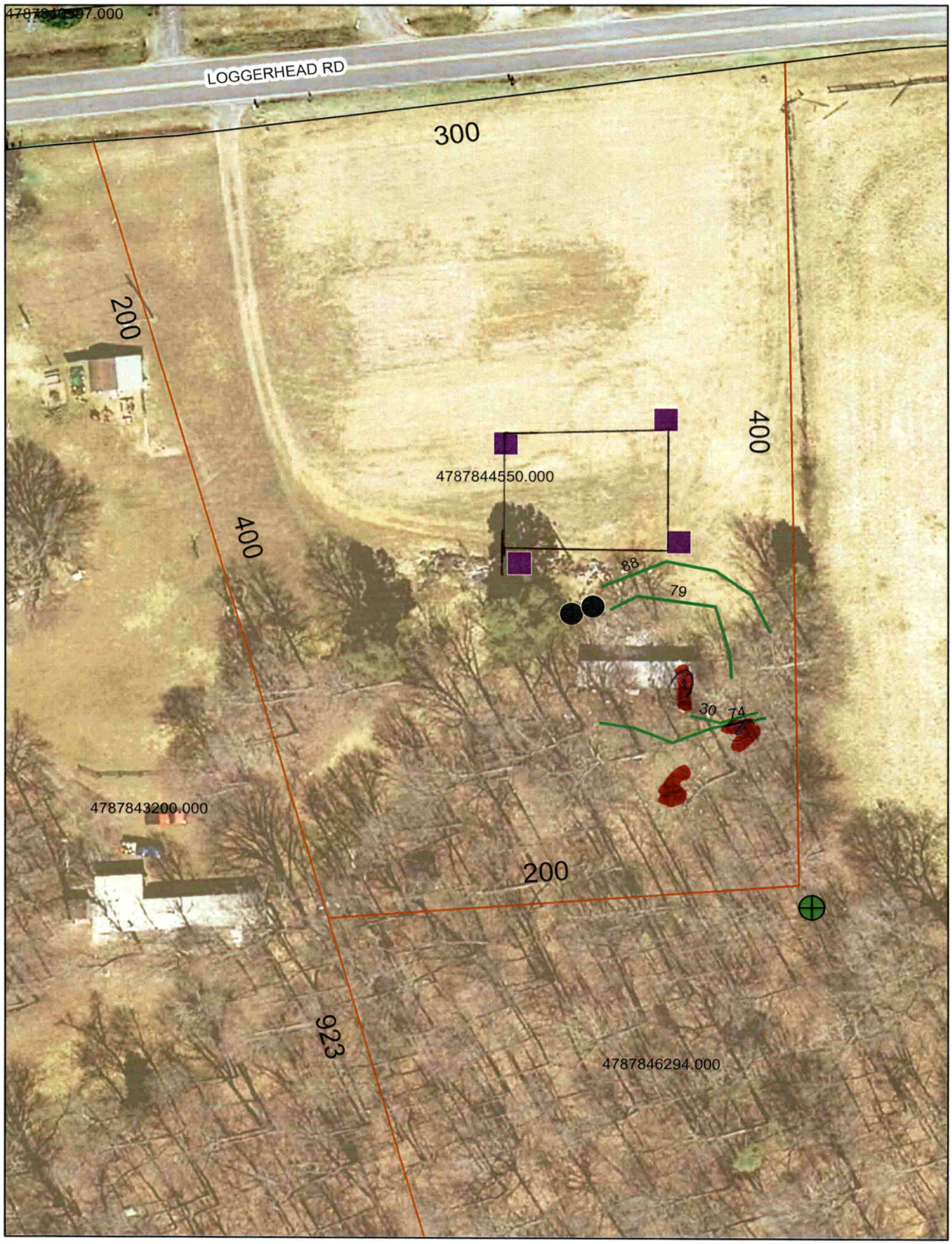
LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE
CC (Concave slope)	I	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 -0.6	MOIST	WET	SG (Single grain)
CV (Convex Slope)		LS (Loamy sand)		0.5 -0.7		Lo (Loose)	NS (Non-sticky)	M (Massive)
D (Drainage way)	II	SL (Sandy loam)	0.6 - 0.8	0.4 -0.6	0.3 - 0.4	VFR (Very friable)	SS (Slightly sticky)	GR (Granular)
FP (Flood plain)		L (Loam)		0.2 - 0.4		FR (Friable)	S (Sticky)	SBK (Subangular blocky)
FS (Foot slope)	III	SiL (Silt loam)	0.3 - 0.6	0.1 - 0.3	0.15 - 0.3	FI (Firm)	VS (Very sticky)	ABK (Angular blocky)
H (Head slope)		SCL (Sandy clay loam)		0.05 - 0.15**		VFI (Very firm)	NP (Non-plastic)	PR (Prismatic)
L (Linear Slope)		CL (Clay loam)		None		EFI (Extremely firm)	SP (Slightly plastic)	PL (Platy)
N (Nose slope)		SiCL (Silty clay loam)					P (Plastic)	
R (Ridge/summit)		Si (Silt)					VP (Very plastic)	
S (Shoulder slope)	IV	SC (Sandy clay)	0.1 - 0.4		0.05 - 0.2	SEXP (Slightly expansive)		
T (Terrace)		SiC (Silty clay)				EXP (Expansive)		
TS (Toe Slope)		C (Clay)						
		O (Organic)	None					

* Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.
**Sandy clay loam saprolite can only be used with advanced pretreatment in accordance with 15A NCAC 18E .1200.

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); Evaluation of saprolite shall be by pits.
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) or U (Unsuitable)

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




LOGGERHEAD RD
300
200
400
400
4787844550.000
88
79
30
74
4787843200.000
200
923
4787846294.000



PERMIT SNAPSHOT REPORT OSWP-2024-56404 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	06/25/2024
Work Class:	EH Septic Permit	**District:**	Iredell County	**Exp Date:**	NOT AVAILABLE
Status:	In Progress	**Square Feet:**	0.00	**Completed:**	NOT COMPLETED
Valuation:	$0.00	**Assigned To:**	Botkins, Ben	**Approval Expire Date:**	

Description: PC's marked and house box marked per surveyor. Applying for IP/AC. Site Plan Attached in Files. House box is 57'x64'. New construction.

Parcel:	**Address:**	**Zone:**
4787844550.000 Main	336 Loggerhead Rd Main Statesville, NC 28625	RA(Residential Agricultural District)

Property Owner	Applicant/Authorized Agent
Liliana Porras	Liliana Porras
336 loggerhead rd	336 loggerhead rd
statesville, NC 28625	statesville, NC 28625
Mobile: (704) 500-7639	Mobile: (704) 500-7639

Permit Custom Fields

How is your site plan being submitted	Survey Plat	Septic Application/Permit Type	Authorization to Construct, Expand septic to add bedrooms	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	64 feet wide by 57.17 feet depth
What are the proposed structures	New Single-Family Residence - Stick Built	Type of New Single-Family Residence	Stick Built	Maximum Number of Bedrooms	3
If other Addition/Structure, please explain		Number of Occupants	4	Foundation Type	Crawl Space Foundation
Residential/Business/Other	Residential	Water Supply	Existing Well	Desired Septic System Type	Conventional (most common)
If other septic system type, please explain		Pump Make		# of Nitrification Fields	
Model		Serial #		System Description	
Repair System Description		Comments/Conditions		Permit type(s)	Authorization to Construct
Lot Acreage	2.275	Front Setback	35	Back Setback	35
Left Setback	15	Right Setback	15	Zoning Permit Issued Date	Jun 27 2024 12:00AM
Zoning Permit Expiration Date	Dec 24 2024 12:00AM	Is the structure or development in the floodplain	No	Is the property in a local historic district?	No
Is the property located downtown?	No	Additional Unique Setbacks Apply	No	Watershed	NOT IN A WATERSHED

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Liliana_Porras_6/26/2024.jpg	06/25/2024 21:41	Porras, Liliana		Uploaded via CSS
336 LOGGERHEAD RD ORIGINA SEPTIC PERMIT 1984.pdf	06/27/2024 9:52	COMEAUX, DEBRA	Available Online	ORIGINAL SEPTIC PERMIT 1984
Authorization to act as Agent_v1.pdf	06/27/2024 9:52	Porras, Liliana	Available Online	
336 LOGGERHEAD RD FLOOR PLAN.pdf	06/27/2024 13:24	COMEAUX, DEBRA	Available Online	FLOOR PLAN

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2024-227225	Requested	OSWP Septic/Well Preliminary Site Visit	06/28/2024	07/01/2024 0:00	07/01/2024 0:00		

IREDELL COUNTY HEALTH DEPARTMENT

00141A (SEPTIC TANK) IMPROVEMENTS PERMIT AND CERTIFICATE OF COMPLETION
(Ground Absorption Sewage Disposal System – G. S. Chapter 130-Article 13C)

OWNER OR CONTRACTOR Tony A. Evans DATE 11-1-84 PERMIT NO. _____

PHONE: Business _____ Home _____

LOCATION 64 E TL on Coal Springs Rd TR on Garden Valley Rd at cnt TL 1/2 mi on Left. S. R. No. _____

SUBDIVISION NAME _____ LOT NO. _____ SECTION OR BLOCK NO. _____

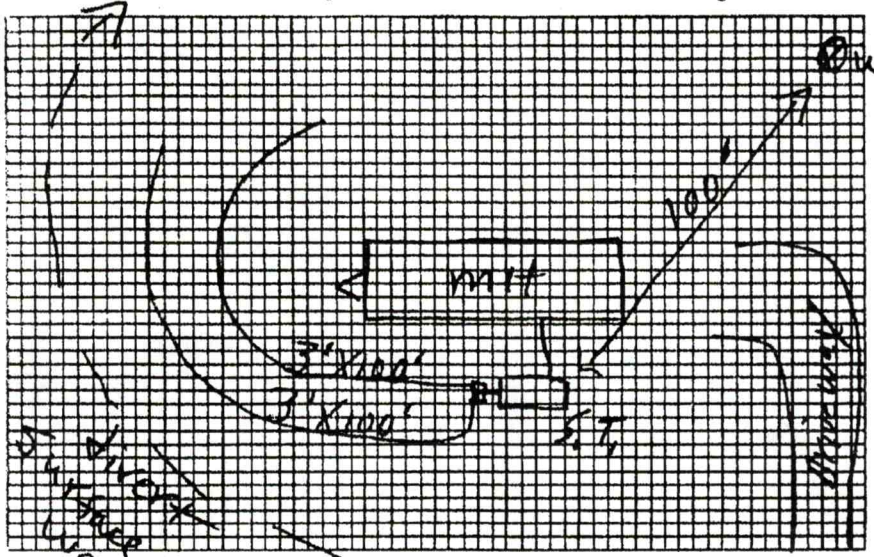
House ( ) Mobile Home (✓) Business ( ) Other _____

No. Bedrooms 2 No. Bathrooms 1
Garbage Disposal Unit Yes ( ) No (✓)
Auto. Dishwasher Yes ( ) No (✓)
Auto. Wash. Machine Yes (✓) No ( )
Site Suitable Yes (✓) No ( )

Character & Porosity of Soil Clay loam
Percolation Rate 45 gal/55' 1 day
Topography 2 to 6%
Depth to Water Table 10'+
Rock or other impervious formations none

Lot Area 2.27 acres

_____ Basement with Plumbing _____ Basement without Plumbing _____ No Basement



Plot of System

Size of Tank 1000 Gals.
Nitrification Field:
No. of Lines 2
Sq. Ft. 600 Linear Ft. 200
Depth of Stone in Lines 12"
Water Supply: Individual (✓)
Public ( )

Installed by Strout Bros.

I understand and agree to install septic tank system as specified on this Improvements Permit.

Signed: _____

IMPROVEMENTS PERMIT BY L. C. Moore

COMMENTS: _____

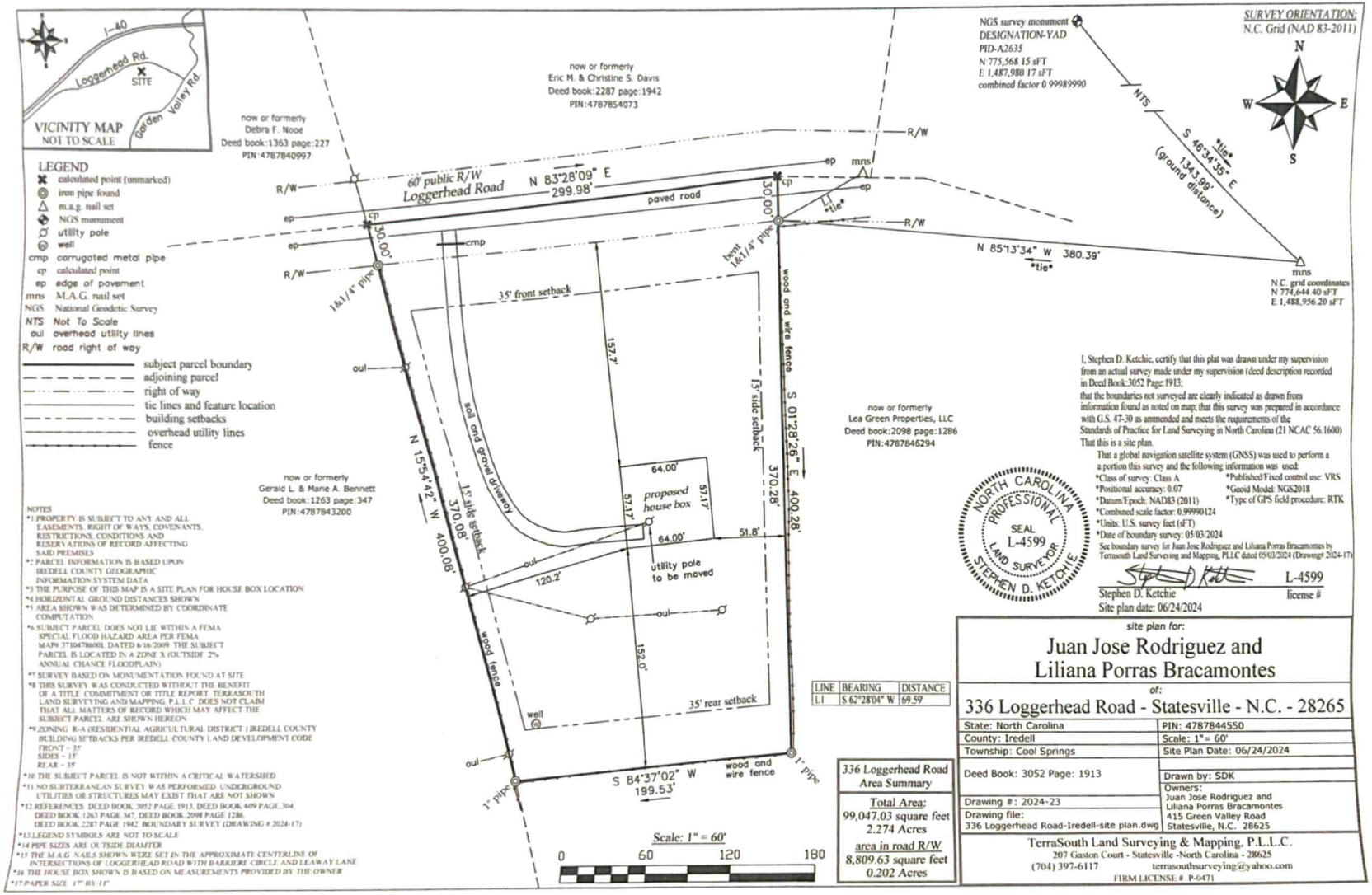
CERTIFICATE OF COMPLETION BY L. C. Moore DATE 11-1-84

EXISTING SYSTEM CHECKED BY: _____ DATE _____

CONSTRUCTION MUST COMPLY WITH ALL OTHER APPLICABLE STATE AND LOCAL REGULATIONS.

Permit is VOID if any unauthorized changes are made in installation of system and/or if any false information is supplied in making Improvements Permit.

Health Dept. Copy: White Inspection Dept. Copy: Yellow Sanitarian's Copy: Pink Owner's Copy: Gold



NOTES
*1 PROPERTY IS SUBJECT TO ANY AND ALL EASEMENTS, RIGHT OF WAYS, COVENANTS, RESTRICTIONS, CONDITIONS AND RESERVATIONS OF RECORD AFFECTING SAID PREMISES
*2 PARCEL INFORMATION IS BASED UPON IREDELL COUNTY GEOGRAPHIC INFORMATION SYSTEM DATA
*3 THE PURPOSE OF THIS MAP IS A SITE PLAN FOR HOUSE BOX LOCATION
*4 HORIZONTAL GROUND DISTANCES SHOWN
*5 AREA SHOWN WAS DETERMINED BY COORDINATE COMPUTATION
*6 SUBJECT PARCEL DOES NOT LIE WITHIN A FEMA SPECIAL FLOOD HAZARD AREA PER FEMA MAP# 3710478800J, DATED 6/16/2009. THE SUBJECT PARCEL IS LOCATED IN A ZONE X (OUTSIDE 2% ANNUAL CHANCE FLOODPLAIN)
*7 SURVEY BASED ON MONUMENTATION FOUND AT SITE
*8 THIS SURVEY WAS CONDUCTED WITHOUT THE BENEFIT OF A TITLE COMMITMENT OR TITLE REPORT. TERRASOUTH LAND SURVEYING AND MAPPING P.L.L.C. DOES NOT CLAIM THAT ALL MATTERS OF RECORD WHICH MAY AFFECT THE SUBJECT PARCEL ARE SHOWN HEREON
*9 ZONING: R-A (RESIDENTIAL AGRICULTURAL DISTRICT) IREDELL COUNTY BUILDING SETBACKS PER IREDELL COUNTY LAND DEVELOPMENT CODE
FRONT - 35'
SIDES - 15'
REAR - 35'
*10 THE SUBJECT PARCEL IS NOT WITHIN A CRITICAL WATERSHED
*11 NO SUBTERRANEAN SURVEY WAS PERFORMED. UNDERGROUND UTILITIES OR STRUCTURES MAY EXIST THAT ARE NOT SHOWN
*12 REFERENCES: DEED BOOK 3052 PAGE 1913, DEED BOOK 609 PAGE 304, DEED BOOK 1263 PAGE 347, DEED BOOK 2098 PAGE 1286, DEED BOOK 2287 PAGE 1942, BOUNDARY SURVEY (DRAWING # 2024-17)
*13 LEGEND SYMBOLS ARE NOT TO SCALE
*14 PIPE SIZES ARE OUTSIDE DIAMTER
*15 THE M.A.G. NAILS SHOWN WERE SET IN THE APPROXIMATE CENTERLINE OF INTERSECTIONS OF LOGGERHEAD ROAD WITH BARRIERE CIRCLE AND LEAWAY LANE
*16 THE HOUSE BOX SHOWN IS BASED ON MEASUREMENTS PROVIDED BY THE OWNER
*17 PAPER SIZE 17" BY 11"

LINE	BEARING	DISTANCE
L1	S 62°28'04" W	69.59'

336 Loggerhead Road Area Summary

Total Area:
99,047.03 square feet
2.274 Acres

area in road R/W
8,809.63 square feet
0.202 Acres

I, Stephen D. Ketchie, certify that this plat was drawn under my supervision from an actual survey made under my supervision (deed description recorded in Deed Book:3052 Page:1913; that the boundaries not surveyed are clearly indicated as drawn from information found as noted on map; that this survey was prepared in accordance with G.S. 47-30 as ammended and meets the requirements of the Standards of Practice for Land Surveying in North Carolina (21 NCAC 56.1600) That this is a site plan.

That a global navigation satellite system (GNSS) was used to perform a portion this survey and the following information was used:

*Class of survey: Class A
*Positional accuracy: 0.07
*Datum/Epoch: NAD83 (2011)
*Combined scale factor: 0.99990124
*Units: U.S. survey feet (sFT)
*Date of boundary survey: 05/03/2024
*Published/Fixed control use: VRS
*Geoid Model: NGS2018
*Type of GPS field procedure: RTK

See boundary survey for Juan Jose Rodriguez and Liliana Porras Bracamontes by Terrasouth Land Surveying and Mapping, PLLC dated 05/03/2024 (Drawing# 2024-17)

NORTH CAROLINA PROFESSIONAL SEAL L-4599 LAND SURVEYOR STEPHEN D. KETCHIE

Stephen D. Ketchie L-4599
Stephen D. Ketchie license #
Site plan date: 06/24/2024

site plan for:

Juan Jose Rodriguez and Liliana Porras Bracamontes

of:

336 Loggerhead Road - Statesville - N.C. - 28265

State: North Carolina	PIN: 4787844550
County: Iredell	Scale: 1"= 60'
Township: Cool Springs	Site Plan Date: 06/24/2024
Deed Book: 3052 Page: 1913	Drawn by: SDK
Drawing #: 2024-23	Owners: Juan Jose Rodriguez and Liliana Porras Bracamontes 415 Green Valley Road Statesville, N.C. 28625
Drawing file: 336 Loggerhead Road-Iredell-site plan.dwg	

TerraSouth Land Surveying & Mapping, P.L.L.C.
207 Gaston Court - Statesville -North Carolina - 28625
(704) 397-6117
terrasouthsurveying@yahoo.com
FIRM LICENSE # P-0471