ICHD - ENVIRONMENTAL HEALTH DIVISION

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

BLDR - 2024-56849

PERMIT : OSWP 2024-48823

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

PIN # 4727-51-3752

APPLICANT/OWNER: Jarrod Lanier | APPLICANT ADDRESS: 191 Round House Dr Statesville NC 28625

SITE ADDRESS: 175 Round House Dr Statesville NC 28625 | PHONE: — | ALT. PHONE —

SITE DIRECTIONS: 115 (N) → (L) Round House → on end of road | SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Jeanette C. Conley Property | SECTION: — | LOT # 2 | LOT AREA: 3.92 | DESIGN FLOW: 360 | L.T.A.R.(Initial): 0.3 | L.T.A.R (Repair): 0.3

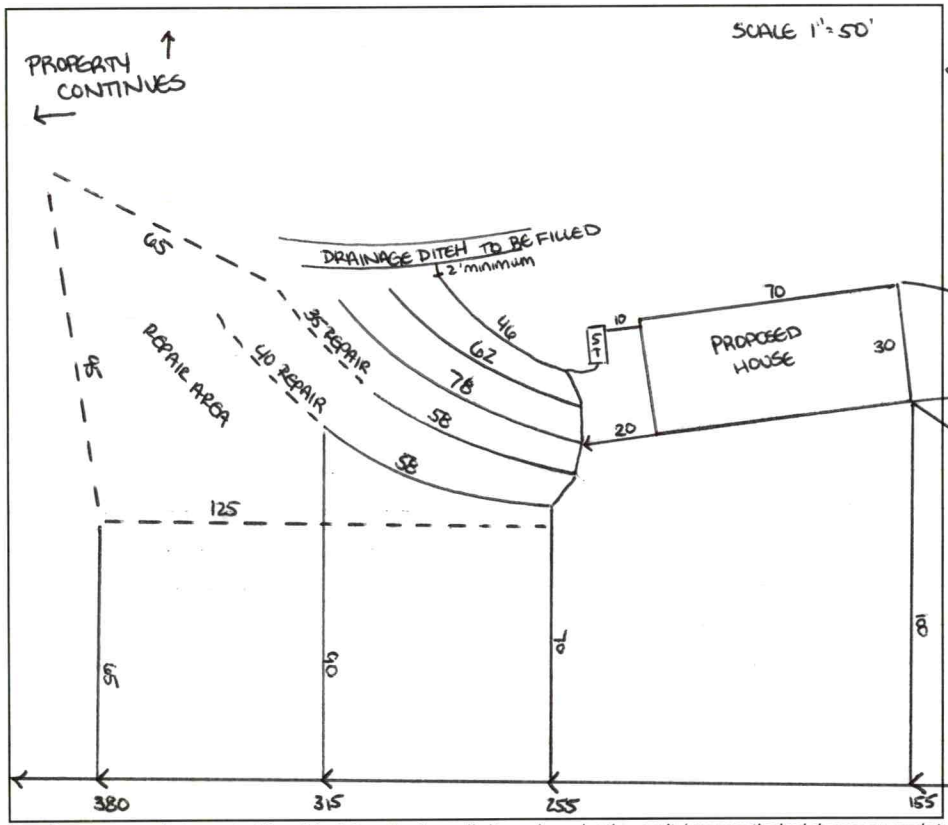
Septic Tank	1000 (gal)	STB	Date	☒ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI	☒ Residence	No. Bedrooms 3
Pump Tank	(gal)	PT	Date	System Description: Gravity 25% Reduction				☐ Business	No. Persons 6
Pump Make		Model	Serial #	Repair System Description: Gravity 25% Reduction				☐ Other	No. Employees —
# Nitrification Fields	1	# Lines 5	Linear Ft 300'	Maintenance Agreement Required:	☐ YES	☒ NO		☐ Slab	☒ Crawl Space
Trench Width 36	*Max. Trench Depth(Initial) 31	*Max. Trench Depth(Repair) 32	Gravel Depth —	☒ 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): 48 | Usable Depth to LC (Repair): 48 | *Limiting Condition*

Water Supply: ☒ Private ☐ Public ☐ Community

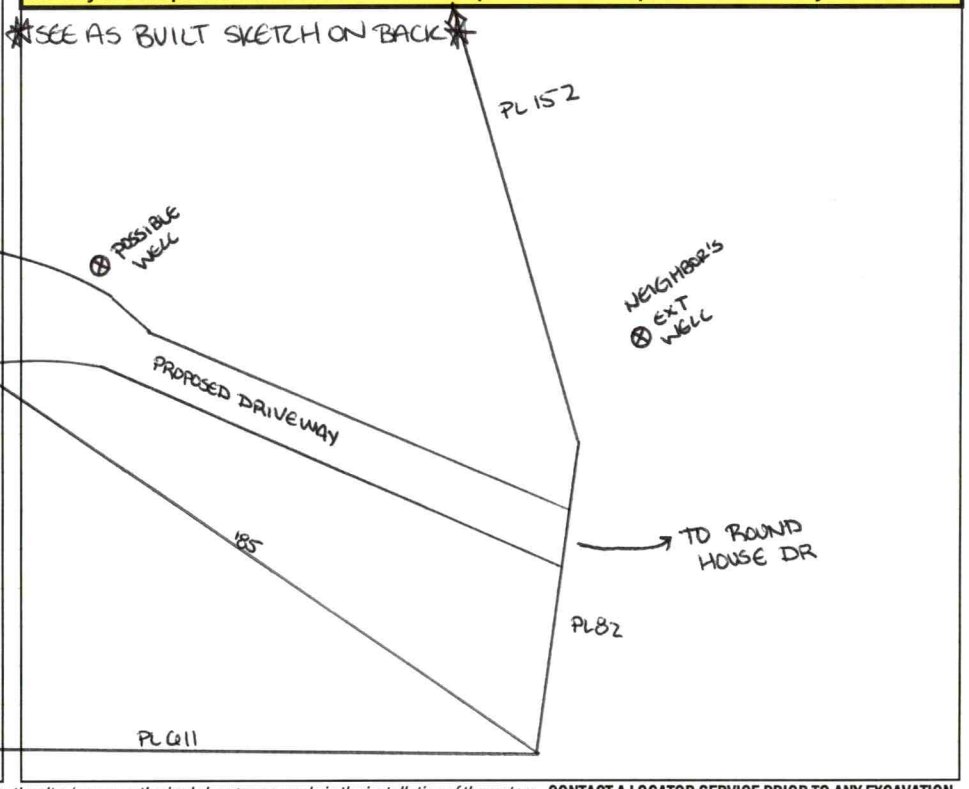
Comments / Conditions: Install on contour 9' on center. Do not exceed 36" maximum trench depth. Fill drainage ditch & divert runoff away from system.

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.*

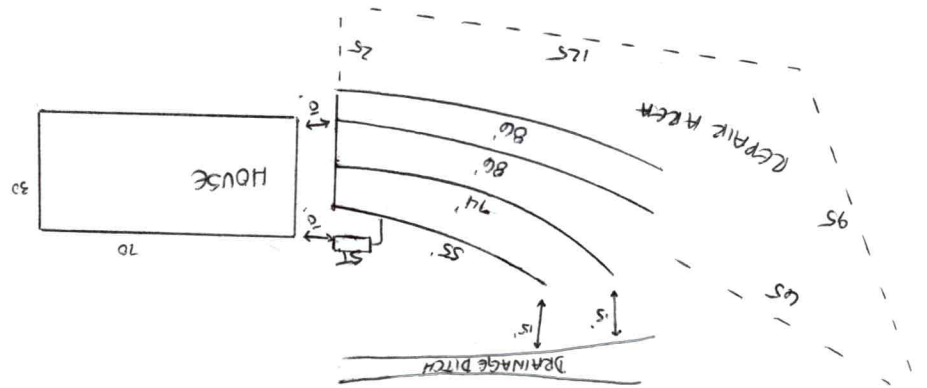
Owner / Applicant Signature: ONLINE | Date: — | Installed by: LENTZ WASTEWATER

IMPROVEMENT PERMIT by: Sarah Williams | Date: 4/18/2024 | OPERATION PERMIT by: Sarah Williams | Date: 12/4/2024

AUTHORIZATION TO CONSTRUCT by: Sarah Williams | Date: 4/18/2024 | 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? _____	



AS BUILT SKETCH

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

PROPERTY ID #: 4727.51 3752
COUNTY: IREDELL

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

OWNER: Jarrod Lanier DATE EVALUATED: 4/15/24
ADDRESS: 175 Round House Drive Statesville NC 28625
PROPOSED FACILITY: SFR CRAWL PROPOSED DESIGN FLOW (.0400): 360 PROPERTY SIZE: 3.92 Ac
LOCATION OF SITE: 175 Round House Drive Statesville NC 28625 PROPERTY RECORDED: Y
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*	.0502(d) SLOPE CORRECTION
1	LS 5-7%	0-25	C ABK	SS SP SE FR	few SAP incl in CL	(49)		—	S 0.3	3
		25-49	CL WABK	↓						
2	LS 10-12%	0-22	C ABK	SS SP SE FR	few SAP incl in CL	(50)		—	S 0.3	5
		22-50	CL WABK	↓						
3	LS 7-9%	0-6	CL SBK	SS SP SE FR	few SAP incl in CL	(49)		—	S 0.3	4
		6-35	C SBK	↓						
		35-49	CL WABK							
4	LS 5-7%	0-27	C SBK	SS SP SE FR	few SAP incl in CL	(48)		—	S 0.3	3
		27-48	CL WABK	↓						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	300'	300'
System Type(s)	G 25%	G 25%
Site LTAR	0.3	0.3
Maximum Trench Depth	31"	32"

SITE CLASSIFICATION (.0509): ~~S~~ S 0.3
EVALUATED BY: S. Williams
OTHER(S) PRESENT:

Comments:

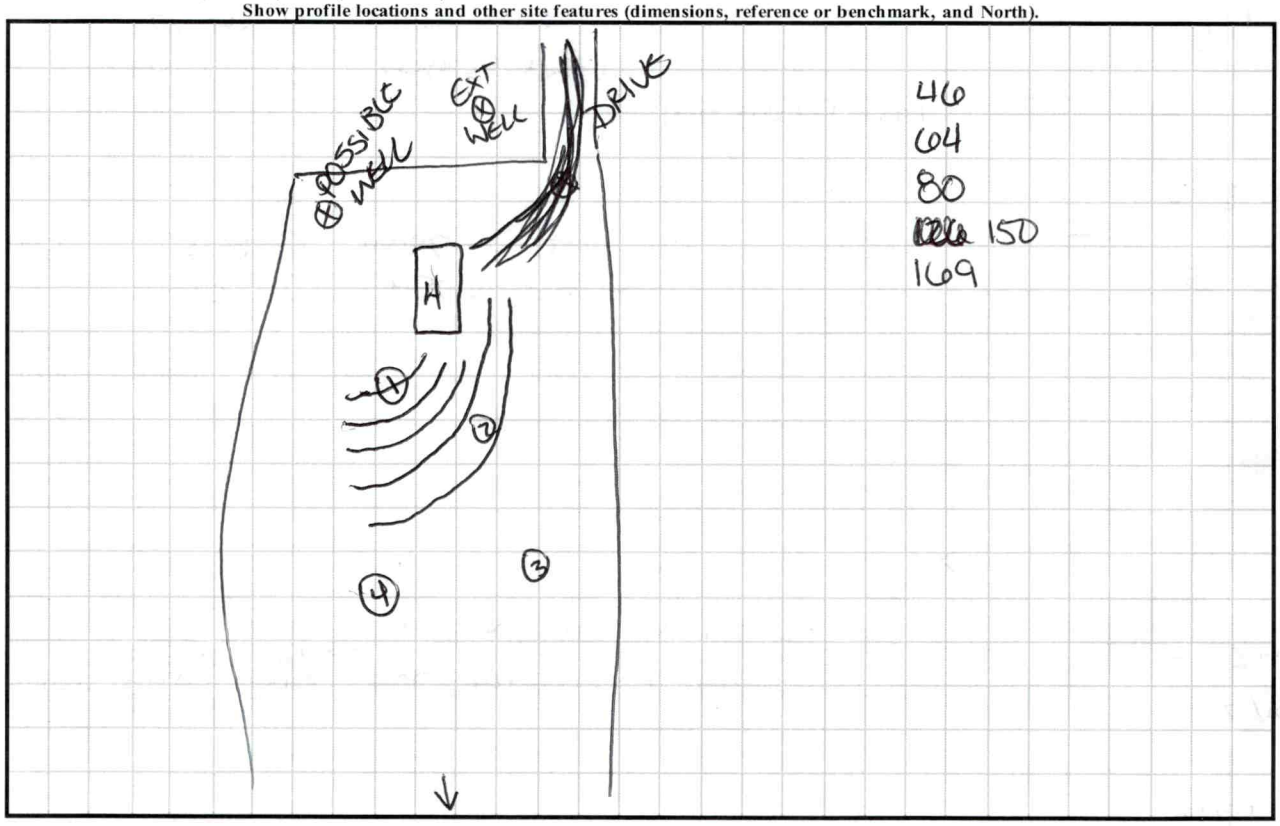
LEGEND

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).



PERMIT SNAPSHOT REPORT OSWP-2024-48823 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	03/09/2024
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:**	Bracken, Sarah	**Approval Expire Date:**	

Description: Emailed about lot readiness 4/3; PER EMAIL ready DW. Site visit 4/9/24, site is ready -BM

Parcel: 4727513752.000 Main	**Address:** 175 Round House Dr Statesville, NC 28625 Main	**Zone:** R-20(Suburban Residential District)

Property Owner	Applicant/Authorized Agent
Jarrod Lanier	Jarrod Lanier
191 Round House Drive	191 Round House Drive
Statesville, NC 28625	Statesville, NC 28625

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Septic Application/Permit Type	Authorization to Construct, Improvement Permit	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	27'-4" x 68'
What are the proposed structures	New Single-Family Residence - Modular	Type of New Single-Family Residence	Modular	Maximum Number of Bedrooms	3
If other Addition/Structure, please explain		Number of Occupants	2	Foundation Type	Crawl Space Foundation
Residential/Business/Other	Residential	Water Supply	New Well	Desired Septic System Type	Conventional (most common)
Has this project been approved by TRC	No	Lot Acreage	3.92	Front Setback	35
Back Setback	35	Left Setback	15	Right Setback	15
Zoning Permit Issued Date	Apr 2 2024 12:00AM	Zoning Permit Expiration Date	Oct 2 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_Jarrod_Lanier_3/9/2024.jpg	03/09/2024 12:32	Lanier, Jarrod		Uploaded via CSS
IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH_v1.pdf	03/11/2024 7:43	Lanier, Jarrod	Available Online	
Floor plan_v1.pdf	03/13/2024 9:50	Lanier, Jarrod	Available Online	
S231209 Copy_v1.pdf	04/01/2024 8:56	Lanier, Jarrod	Available Online	
site plan 1_v2.pdf	04/01/2024 8:56	Lanier, Jarrod	Available Online	
175 Round House Dr site plan UPDATED_v1.pdf	04/01/2024 8:56	Nebel, Barbara	Available Online	
site plan 1 - Copy_v2.pdf	04/01/2024 8:56	Lanier, Jarrod	Available Online	
S231209_v1.pdf	04/01/2024 8:57	Lanier, Jarrod	Available Online	
175 round house.pdf	04/01/2024 10:02	Kendrick, Brandi		easement email from Jake

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2024-204558	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	04/09/2024	04/09/2024 0:00	04/09/2024 0:00	04/09/2024 15:07	04/09/2024 15:07

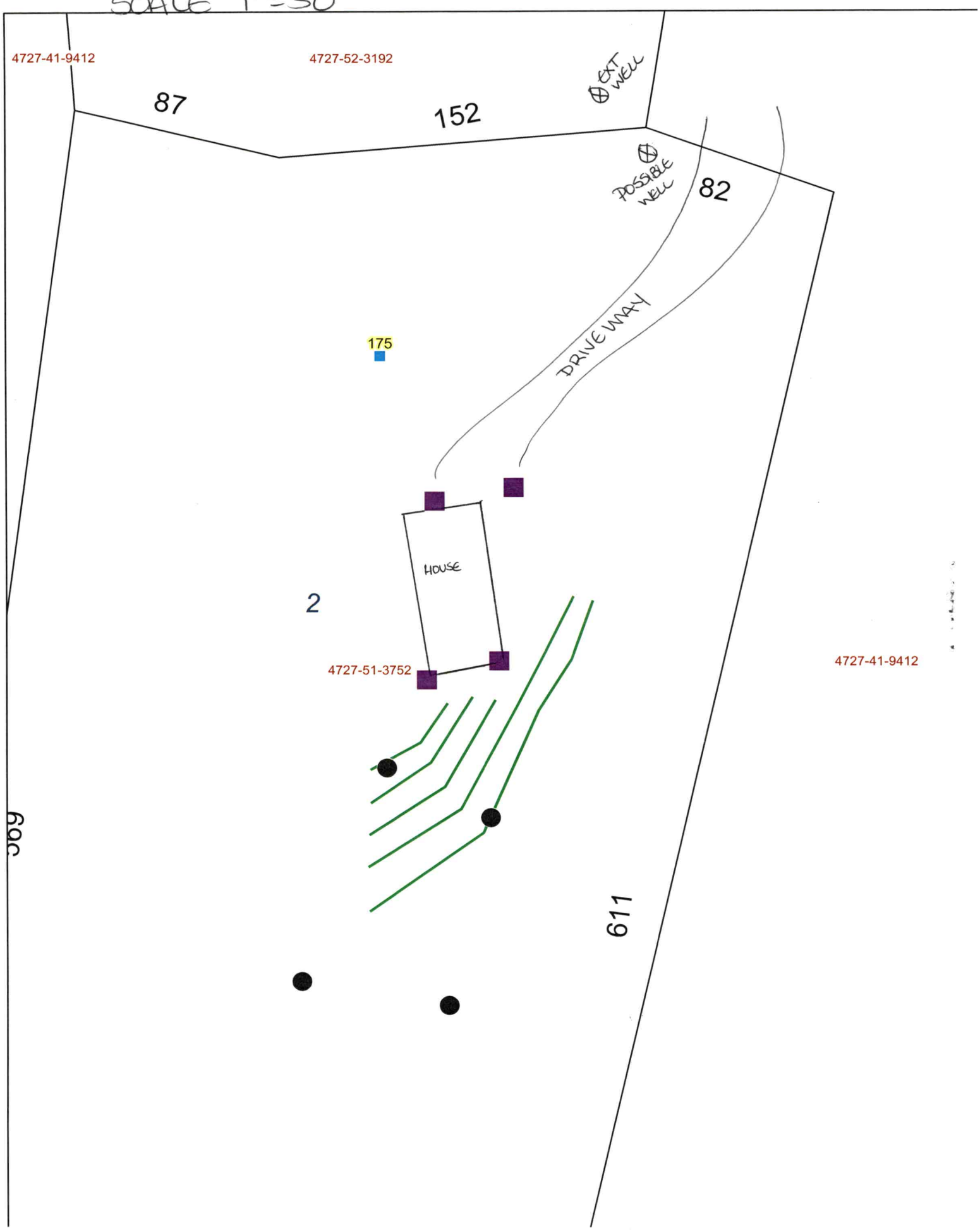
PERMIT SNAPSHOT REPORT (OSWP-2024-48823)

Inspectors: Moore, Bradley (Primary)

Checklist Item	Description	Passed	Comments
General Comments	Checklist item used to track general comments, not specific to any other checklist item	No	

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00028981	New Gravity System	$500.00	$500.00
	Iredell Zoning Tech Fee	$2.25	$2.25
	Iredell Zoning Permit Fee	$75.00	$75.00
	Total for Invoice INV-00028981	$577.25	$577.25
	Grand Total for Permit	**$577.25**	**$577.25**

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		03/13/2024 7:44	03/13/2024 7:44
Confirm application complete v.1	Generic Action		03/13/2024 7:44
Fees v.1		04/01/2024 10:12	04/01/2024 16:50
Issue Invoice v.1	Generic Action		04/01/2024 9:01
Fees Paid v.1	Generic Action		04/01/2024 16:50
Zoning Review v.1		04/01/2024 9:01	
~~Floodplain Admin Overview v.1~~	Task		04/01/2024 9:01
Issue Invoice v.1	Generic Action		04/01/2024 9:01
Fees Paid v.1	Generic Action		04/01/2024 16:50
Lot Readiness Verification v.1		04/09/2024 15:07	
OSWP Septic Preliminary Site Visit v.1	Inspection	04/09/2024 15:07	04/09/2024 15:08
OSWP Site Evaluation v.1	Inspection		
Issue Improvement Permit v.1			
Issue Invoice v.1	Generic Action		
Fees Paid v.1	Generic Action		
Issue Permit v.1	Generic Action		
Permit Completion Process v.1			
Authorization to Construct Permit v.1	Create Sub Permit		
Issue Authorization to Construct v.1	Generic Action		


SCALE 1"=50'
4727-41-9412
4727-52-3192
87
152
EXT WELL
POSSIBLE WELL
82
DRIVEWAY
175
HOUSE
2
4727-51-3752
4727-41-9412
611

STATE OF NORTH CAROLINA
IREDELL COUNTY

I, NICHOLAS D. WHITLEY, certify that this plat was drawn under my supervision from an actual survey made under my supervision (deed description recorded in Book AS, page SHOWN, etc.) (other); that the boundaries not surveyed are clearly indicated as drawn from information found in Book AS, page SHOWN; that the ratio of precision as calculated is 1: 10,000+; that this plat was prepared in accordance with G.S. 47-30 as amended. Witness my original signature, registration number and seal this day of MONTH, A.D., 2014.

"PRELIMINARY PLAT"

NOT FOR RECORDATION, CONVEYANCES, OR SALES

Professional Land Surveyor
L-4952

NOTE:

_____ 1. THIS PLAT IS OF A SURVEY OF AN EXISTING PARCEL OR PARCELS OF LAND AND DOES NOT CREATE A NEW STREET OR CHANGE AN EXISTING STREET;

_____ 2. THAT THE SURVEY IS OF AN EXISTING BUILDING OR OTHER STRUCTURE, OR NATURAL FEATURE, SUCH AS A WATERCOURSE; OR

_____ 3. THAT THE SURVEY IS A CONTROL SURVEY.

X 4. THIS PLAT IS OF A SURVEY THAT CREATES A SUBDIVISION OF LAND WITHIN THE AREA OF A COUNTY OR MUNICIPALITY THAT HAS AN ORDINANCE THAT REGULATES PARCELS OF LAND.

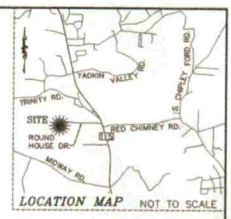
_____ 5. THIS PLAT IS OF A SURVEY THAT IS LOCATED IN SUCH PORTION OF A COUNTY OR MUNICIPALITY THAT IS UNREGULATED AS TO AN ORDINANCE THAT REGULATES PARCELS OF LAND.

_____ 6. THIS PLAT IS OF A SURVEY OF ANOTHER CATEGORY, SUCH AS THE RECOMBINATION OF EXISTING PARCELS, A COURT-ORDERED SURVEY OR OTHER EXCEPTION TO THE DEFINITION OF SUBDIVISION.

Professional Land Surveyor
L-4952

LEGEND

LINES SURVEYED
LINES NOT SURVEYED
TIE LINES
R/W LIMITS
FENCE
UNDERGROUND RETAIL
■ #4 REBAR (F) ⊠ CONCRETE MONUMENT (F)
□ #4 REBAR (S)
▲ #5 REBAR (F) ○ NO MONUMENTATION UNLESS OTHERWISE NOTED
℄ CENTERLINE
℄ PROPERTY LINE
"UG" RETAIL POWER POLE
(F) DENOTES "FOUND"
(S) DENOTES "SET"
EWF DENOTES "ELECTRIC WIRE FENCE"
NTS DENOTES "NOT TO SCALE"



LOCATION MAP NOT TO SCALE

NC GRID
NAD 83(2007)
GPS OBSERVATION (VRS)
JUNE 18, 2012

NOTES:
- ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES UNLESS OTHERWISE NOTED.
- AREA BY COORDINATE COMPUTATION.
- PROPERTY SUBJECT TO ANY VALID & ENFORCEABLE EASEMENTS, RESTRICTIONS & RIGHTS OF WAY OF RECORD.
- SURVEY IS BASED ON PHYSICAL EVIDENCE AND EXISTING MONUMENT FOUND DURING THE SURVEY.
- PROPERTY CORNER PIPE SIZES AS SHOWN ARE NOMINAL INSIDE DIAMETER.
- LOT #2 DOES NOT LIE WITHIN A FLOOD HAZARD AREA AS DETERMINED BY FLOOD MAP NUMBER 3710472700J, DATED 3/18/2008.
- SUBJECT PROPERTY ZONED R-20.
- SETBACKS: FRONT = 35'
  REAR = 35'
  SIDE = 15'

LINE TABLE		
LINE	BEARING	DISTANCE
L1	S 76°13'27" E	24.69'
L2	S 76°13'27" E	66.89'
L3	S 85°14'55" E	152.30'
L4	S 85°14'55" E	19.31'
L5	S 85°35'48" E	25.87'
L6	N 34°24'14" E	6.32'

STATE OF NORTH CAROLINA
COUNTY OF IREDELL

I, _____, Review officer of Iredell County, certify that the map or plat to which this certification is affixed meets all statutory requirements for recording.

_____
Review Officer

Date _____

THIS SUBDIVISION OF PIN 4727-51-3893, TO THE BEST OF MY KNOWLEDGE, DOES NOT LIE WITHIN A WATER SUPPLY WATERSHED DESIGNATED BY THE NORTH CAROLINA DIVISION OF ENVIRONMENTAL MANAGEMENT, AS APPEARS ON THE WATERSHED PROTECTION MAP OF IREDELL COUNTY.

DATE _____ SUBDIVISION ADMINISTRATOR

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

DATE _____ SUBDIVISION ADMINISTRATOR

AS OF THE DATE OF THIS RECORDING, THE LOTS REPRESENTED ON THIS PLAT HAVE NOT BEEN INSPECTED BY THE IREDELL COUNTY HEALTH DEPARTMENT. UNTIL INSPECTED, THERE IS NO ASSURANCE THAT A BUILDING PERMIT WILL BE ISSUED.

SCALE
1" = 60'
0 60 120

OWNERSHIP CERTIFICATE

I (WE) HEREBY CERTIFY THAT I AM (WE ARE) THE OWNER(S) OF THE PROPERTY SHOWN AND DESCRIBED HEREON, WHICH IS LOCATED IN THE SUBDIVISION JURISDICTION OF THE COUNTY OF IREDELL AND THAT I (WE) HEREBY ADOPT THIS PLAN OF SUBDIVISION WITH MY (OUR) FREE CONSENT, ESTABLISH MINIMUM BUILDING SETBACK LINES, AND DEDICATE ALL ROADS, ALLEYS, WALKS, PARKS, AND OTHER SITES AND EASEMENTS TO PUBLIC OR PRIVATE USE AS NOTED.
FURTHER CERTIFY THAT:
A. THERE ARE NO DEED RESTRICTIONS WHICH WILL BE VIOLATED BY THE REQUESTED SUBDIVISION;
B. THERE ARE NO GOVERNMENT REGULATIONS OF ANY KIND, OTHER THAN THOSE FOR WHICH A VARIANCE HAS BEEN APPLIED FOR UNDER THE IREDELL COUNTY SUBDIVISION ORDINANCE REGULATIONS, WHICH WILL BE VIOLATED BY THE REQUESTED SUBDIVISION; AND
C. I (WE) UNDERSTAND THAT ENFORCEMENT OF DEED RESTRICTIONS AND ANY OTHER CONTRACTUAL AGREEMENTS IS NOT THE RESPONSIBILITY OF IREDELL COUNTY, WILL NOT BE UNDERTAKEN BY IREDELL COUNTY, AND IS THE SOLE RESPONSIBILITY OF THE PARTIES AFFECTED BY VIOLATIONS OF SUCH DEED RESTRICTIONS AND CONTRACTUAL AGREEMENTS.

_____ OWNER/REPRESENTATIVE _____ DATE

_____ OWNER/REPRESENTATIVE _____ DATE

_____ OWNER/REPRESENTATIVE _____ DATE

NORTH CAROLINA
_____ COUNTY

I, _____,
A NOTARY PUBLIC FOR SAID COUNTY AND STATE, DO HEREBY CERTIFY THAT _____

PERSONALLY APPEARED BEFORE ME THIS DAY AND ACKNOWLEDGED THE DUE EXECUTION OF THE FOREGOING INSTRUMENT. WITNESS MY HAND AND OFFICIAL SEAL, THIS THE _____ DAY OF _____, 2023.

_____
NOTARY PUBLIC

MY COMMISSION EXPIRES _____

LNS FILE NO.:	ST00401REV3-2011
DWG NO.:	5231209
SURVEYED BY:	N.D. WHITLEY
DRAWN BY:	N.D. WHITLEY
CHECKED BY:	N.D. WHITLEY

SHEET 1 OF 1
TAX ID: 4727-51-3893
FOR SOURCE OF TITLE REFER TO D.B. 954 PG. 197

FAMILY SUBDIVISION OF PROPERTY OWNED BY
JEANETTE C. CONLEY

CONCORD TOWNSHIP
IREDELL COUNTY, N.C.

SCALE: 1" = 60'
BOOK: NA
DATE OF SURVEY: DECEMBER 28, 2023
DATE OF MAPPING: DECEMBER 28, 2023

LNS
SURVEY AND MAP PREPARED BY:
LAKE NORMAN SURVEYING & MAPPING PLLC #P-0190
137 Jennings Road, Suite C
Statesville, North Carolina 28625
(704) 876-4450 Fax (704) 876-4451