ICHD - ENVIRONMENTAL HEALTH DIVISION

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

BLDR-2024-03113

PERMIT : OSWP 2024-03402

PIN # 4711 -- 80 -- 4744

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

APPLICANT/OWNER: Tomas Cruz APPLICANT ADDRESS: 6907 Kingfisher Ct, Denver

SITE ADDRESS: 512 Pineville Rd, Statesville 28677 PHONE: - ALT. PHONE -

SITE DIRECTIONS: Buffalo Shoals - Pineville Rd SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Surplus Tract 3334 SECTION: - LOT # 1 LOT AREA: 43.3 DESIGN FLOW: 100 gpd 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	
Pump Tank		(gal)	PT		Date		System Description:	25% reduction			
Pump Make		Model			Serial #		Repair System Description:	25% reduction			
# Nitrification Fields	1	# Lines	2		Linear Ft	100'	Maintenance Agreement Required:	☐ YES	☒ NO		
Trench Width	36in	*Max. Trench Depth(Initial)	30in	*Max. Trench Depth(Repair)	30in	Gravel Depth	-	☒ GRAVITY	☐ PRESSURE		

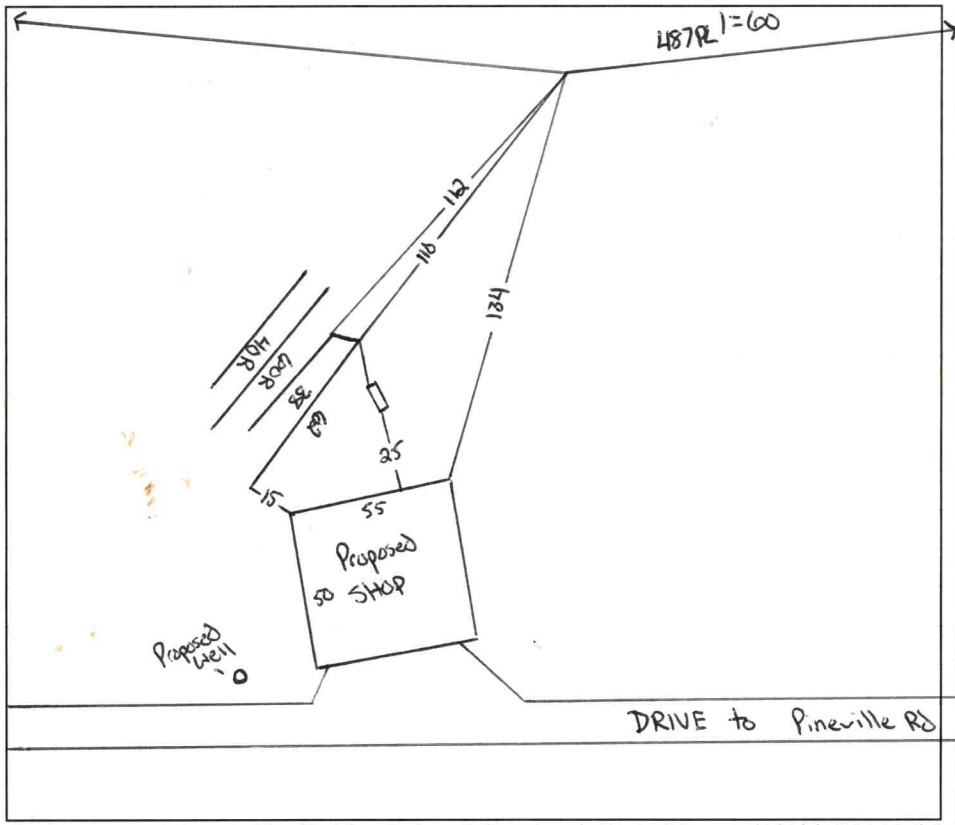
* Measured on the downhill side of the trench Effluent Standard: ☒ DSE ☐ HSE ☐ TS-I ☐ TS-II ☐ RCW ☐ NSF/ANSI 40 Usable Depth to LC (Initial): 48in

☐ Residence	No. Bedrooms	-	**Water Supply**
☐ Business	No. Persons	4	☒ Private
☒ Other	No. Employees	-	☐ Public
☒ Slab	☐ Crawl Space		☐ Community
☐ Basement w/plumbing		☐ Basement w/o plumbing	

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

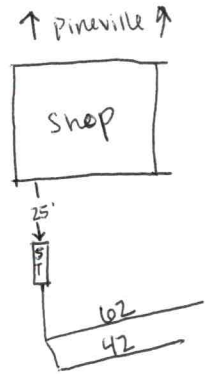
Comments / Conditions: Install on contour. Do not drive, park, or grade on septic area. Septic only sized for one bathroom.

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 Signature Date: Installed by: AJ Remodeling

IMPROVEMENT PERMIT by: Cary Whit ✓ Date: 10/24/24 OPERATION PERMIT by: Sydney Holland ✓ Date: 2/6/25

AUTHORIZATION TO CONSTRUCT by: Cary Whit ✓ Date: 10/29/24 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

PROPERTY ID #: 4711804744
COUNTY: Iredell

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

OWNER: Tomas Cruz
DATE EVALUATED: 10/24/24
ADDRESS: 6907 King Fisher CT
PROPOSED FACILITY: 100 gpd
PROPOSED DESIGN FLOW (.0400): 100 gpd
PROPERTY SIZE: 43.3
LOCATION OF SITE: 572 Pinkville Rd
PROPERTY RECORDED: yes
WATER SUPPLY: Public X Single Family Well Shared Well Spring Other
WATER SUPPLY SETBACK: 50'
EVALUATION METHOD: Auger Boring X Pit Cut
TYPE OF WASTEWATER: X 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	LS 8%	0 - 16	C SBK	SS SP FR SE	–	48	Heavy inc CL	SAP in layer	.3 PS	3
		16 - 48	CL SBK	SS SP FR SE						
		48 - 61	SAP LS	VFR						
2	LS 8%	0 - 24	C SBK	SS SP FR SE	–	55	SAP inc in CL layer		.3 PS	3
		24 - 55	CL SBK	SS SP FR SE						
3	LS 10%	0 - 28	C SBK	SS SP FR SE	–	58	SAP inc in CL layer		.3 PS	4
		28 - 58	CL SBK	SS SP FR SE						
4										

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	PS	PS
System Type(s)	25%	25%
Site LTAR	.3	.3
Maximum Trench Depth	36in	36in

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

Comments:

Revised January 2024
Form SSE-24.1

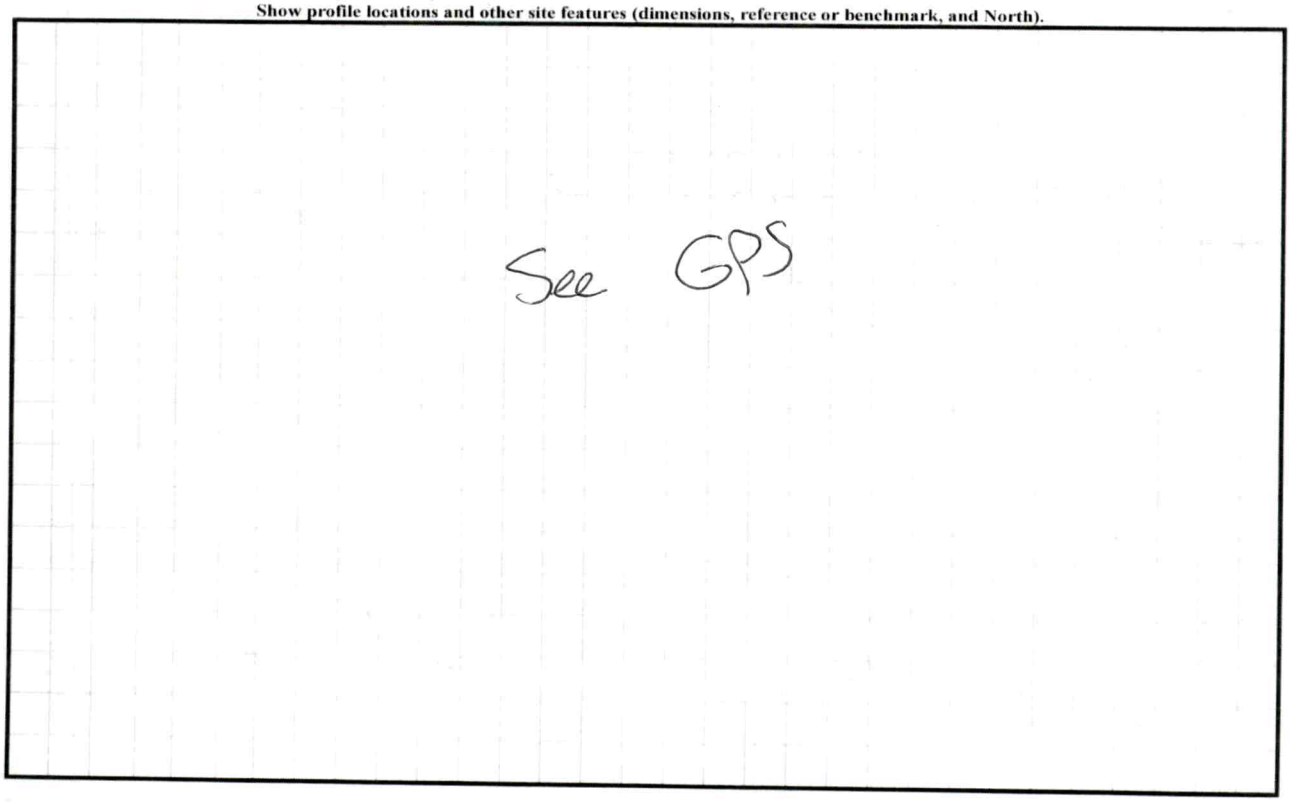
LEGEND

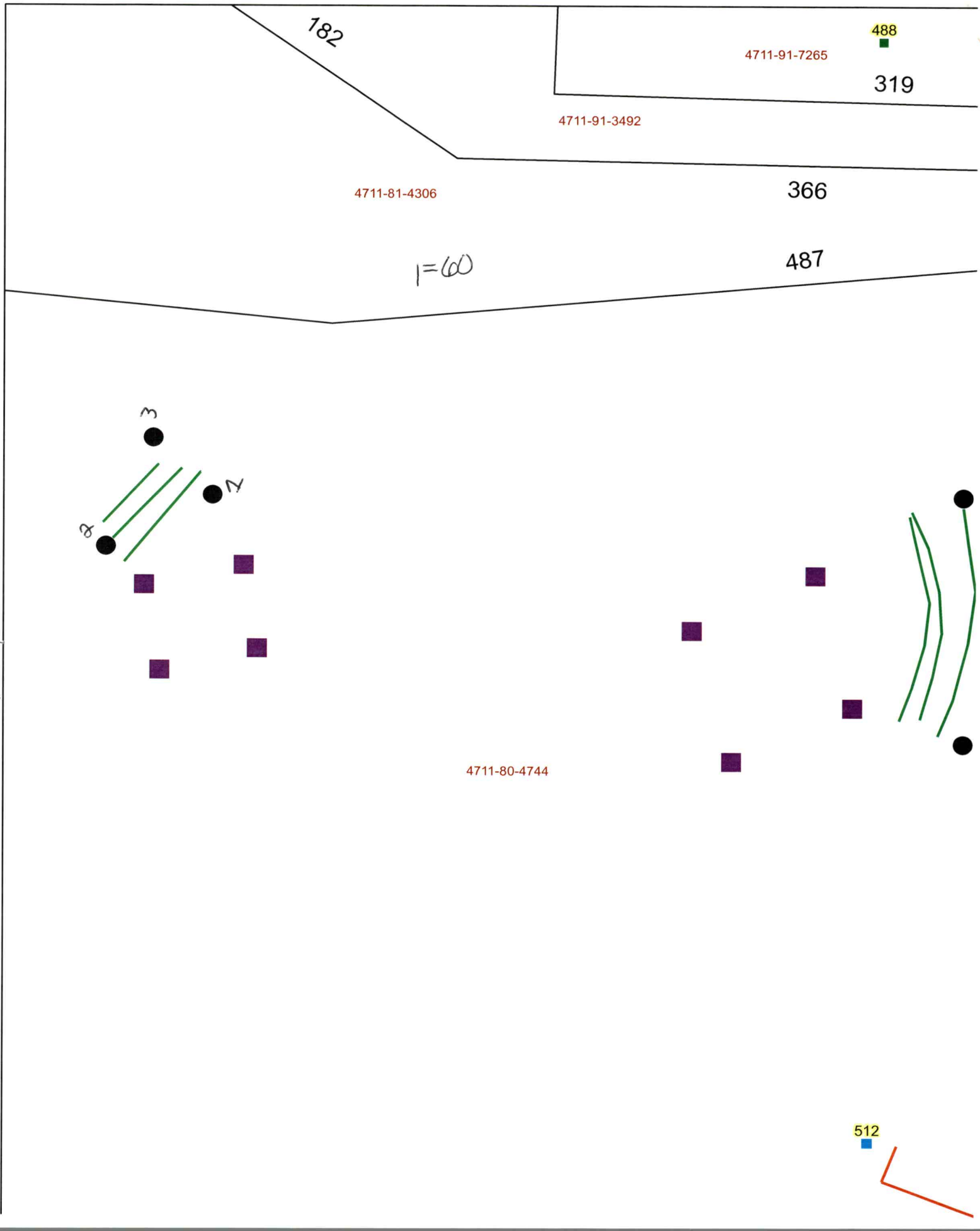
LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE
CC (Concave slope)	I	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 -0.6	MOIST	WET	SG (Single grain)
CV (Convex Slope)		LS (Loamy sand)		0.5 -0.7		Lo (Loose)	NS (Non-sticky)	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).




182
488
4711-91-7265
319
4711-91-3492
4711-81-4306
366
1=60
487
3
2
1
4711-80-4744
512

PERMIT SNAPSHOT REPORT OSWP-2024-63402 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	10/11/2024
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:**	Whicker, Cory	**Approval Expire Date:**	

Description: septic for new barn; Please contact Tomas 704.201.5514

Parcel: 4711804744.000 Main	**Address:** 512 Pineville Rd Statesville, NC 28677 Main	**Zone:** RA(Residential Agricultural District)

Property Owner	Applicant/Authorized Agent
Tomas Cruz	Tomas Cruz
6907 Kingfisher Ct	6907 Kingfisher Ct
Denver, NC 28037-7884	Denver, NC 28037-7884

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	new barn 35x50
What are the proposed structures	Accessory Building	Type of New Single-Family Residence	Stick Built	Maximum Number of Bedrooms	0
If other Addition/Structure, please explain		Number of Occupants	0	Foundation Type	Concrete Slab Foundation
Water Supply	New 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		Has this project been approved by TRC	No	Lot Acreage	35.5
Back Setback	10	Left Setback	10	Right Setback	10
Zoning Permit Issued Date	Oct 14 2024 12:00AM	Zoning Permit Expiration Date	Apr 12 2025 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	Zoning Notes/Addendums	Accessory Structures: Must meet requirement R1 of the LDC. Shall not be erected in front building line of the principal structure or within 25' of a side street on a corner lot. Shall not be erected within 10' of any line not a street line or within 10' of any other building on the same lot. Shall not be erected within the 50' buffer zone of lake lots. Shall not exceed the height limitation of the principal structure. Exceptions to the front building line location: 1.If the lot is 1 acre or greater

and the location of the structure is at least 150'from the frontage street right of way line then the structure can be located in front of home or 2.Is a double frontage lake lot. Any accessory building or structure over 2000 sq/ft shall be setback a minimum of 30' from any property line. Metal carports not exceeding 400 sq/ft are allowed in the front yard provided they meet the front setback requirement of the principal structure.	Additional Unique Setbacks Apply	No	Watershed	WSIV CA CATAWBA/LAKE NORMAN

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Tomas_Cruz_10/11/2024.jpg	10/11/2024 15:10	Cruz, Tomas		Uploaded via CSS
512 Pineville Rd Auth_v1.pdf	10/11/2024 15:57	Cruz, Tomas	Available Online	
512 Pineville Rd site_v1.pdf	10/11/2024 15:57	Cruz, Tomas	Available Online	

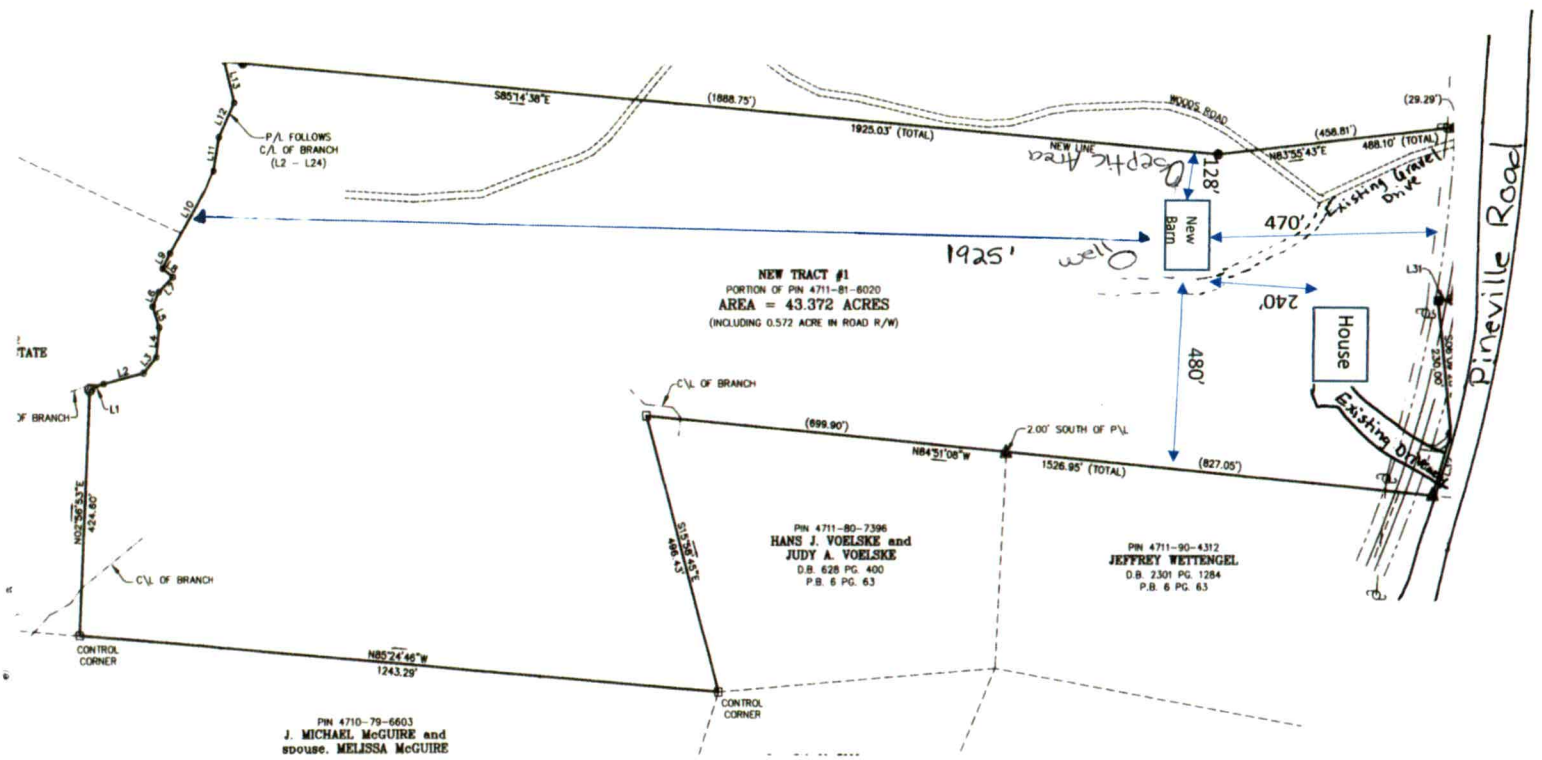
Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2024-257993	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	10/21/2024	10/22/2024 0:00	10/22/2024 0:00	10/22/2024 7:54	10/22/2024 7:54

Inspectors: Botkins, Ben (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-00036976	New Gravity System	$500.00	$500.00
	Iredell Zoning Permit Fee	$75.00	$75.00
	Iredell Zoning Tech Fee	$2.25	$2.25
	Total for Invoice INV-00036976	$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		10/11/2024 15:59	10/11/2024 15:59
Confirm application complete v.1	Generic Action		10/11/2024 15:59
Zoning Review v.1		10/11/2024 16:19	10/16/2024 17:00
~~Floodplain Admin Overview v.1~~	Task		10/11/2024 16:19
Iredell County Zoning Approval v.1	Task	10/11/2024 16:19	10/16/2024 17:00
Issue Invoice v.1	Generic Action		10/11/2024 16:20
Fees Paid v.1	Generic Action		10/15/2024 8:37
Fees v.1		10/11/2024 16:20	10/15/2024 8:38
Fees Paid v.1	Generic Action		10/15/2024 8:38
Issue Invoice v.1	Generic Action		10/11/2024 16:20
Lot Readiness Verification v.1		10/21/2024 11:39	
OSWP Septic Preliminary Site Visit v.1	Inspection	10/21/2024 11:39	10/21/2024 11:39
OSWP Site Evaluation v.1	Inspection		
Issue Improvement Permit v.1			
Issue Invoice v.1	Generic Action		


S85°14'38"E
(1868.75')
1925.03' (TOTAL)
WOODS ROAD
(29.29')
(458.81')
N83°55'43"E
488.10' (TOTAL)
NEW LINE
128'
New Barn
470'
Existing Gravel Drive
1925'
well
240'
480'
House
Pineville Road
NEW TRACT #1
PORTION OF PIN 4711-81-6020
AREA = 43.372 ACRES
(INCLUDING 0.572 ACRE IN ROAD R/W)
P/L FOLLOWS
C/L OF BRANCH
(L2 - L24)
C\L OF BRANCH
(699.90')
N84°51'08"W
1526.95' (TOTAL)
2.00' SOUTH OF P\L
(827.05')
N02°36'53"E
424.60'
CONTROL CORNER
N85°24'46"W
1243.29'
CONTROL CORNER
PIN 4711-80-7396
HANS J. VOELSKE and
JUDY A. VOELSKE
D.B. 628 PG. 400
P.B. 6 PG. 63
PIN 4711-90-4312
JEFFREY WETTENGEL
D.B. 2301 PG. 1284
P.B. 6 PG. 63
PIN 4710-79-6603
J. MICHAEL McGUIRE and
spouse, MELISSA McGUIRE