ICHD - ENVIRONMENTAL HEALTH DIVISION

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

AW

PERMIT: OSWP 2024-47887

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

PIN # 4649-11-1461 ✓

APPLICANT/OWNER: Joe Burgess | APPLICANT ADDRESS: 173 Hidden Meadows Dr. Mooresville 28117

SITE ADDRESS: 173 Hidden Meadows Dr. Mooresville 28117 ✓ | PHONE: 919-621-0813 | ALT. PHONE

SITE DIRECTIONS: Perth - ① Hidden Meadows - Lot on ①

SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: Hidden Meadows ✓ | SECTION: - | LOT # 7 ✓ | LOT AREA: 0.921 | DESIGN FLOW: 480 gpd | L.T.A.R.(Initial): .3 | L.T.A.R (Repair): .3

Septic Tank	Ex.	(gal)	STB		Date						
Pump Tank		(gal)	PT		Date						
Pump Make		Model			Serial #						
# Nitrification Fields	1	# Lines	Ex + 3		Linear Ft	Ex + 278'					
Trench Width	36"	*Max. Trench Depth(Initial)	30"	*Max. Trench Depth(Repair)	30"	Gravel Depth	—				

* Measured on the downhill side of the trench

☑ New System ☐ Repair ☐ Expansion | System Type: I II ☑ III IV V VI

System Description: Ex + 25% Reduction

Repair System Description: 25% Reduction

Maintenance Agreement Required: ☐ YES ☑ NO

☑ GRAVITY ☐ PRESSURE

Effluent Standard: ☑ DSE ☐ HSE ☐ TS-I ☐ TS-II ☐ RCW ☐ NSF/ANSI 40

Usable Depth to LC (Initial): 48"

☑ Residence | No. Bedrooms 4

☐ Business | No. Persons 8

☐ Other | No. Employees

☐ Slab | ☑ Crawl Space

☐ Basement w/plumbing | ☐ Basement w/o plumbing

Usable Depth to LC (Repair): 48" | Limiting Condition

Water Supply

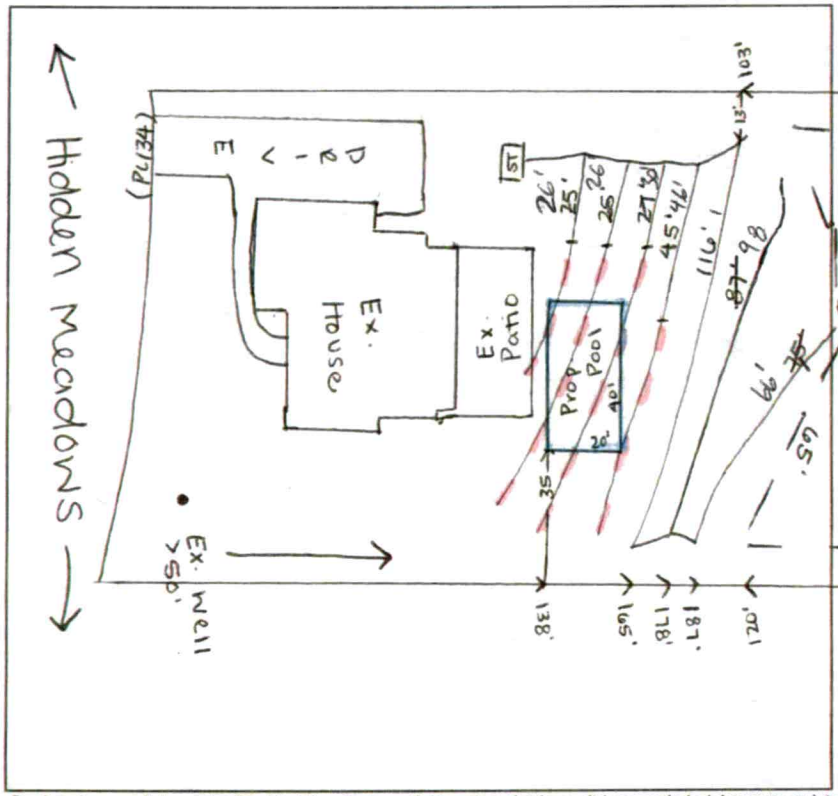
☑ Private

☐ Public

☐ Community

Comments / Conditions: Do not pave, grade, park, drive, or bury utilities in drainfield. Keep all parts of septic 15' from pool

INITIAL SITE SKETCH



AS BUILT SKETCH

INSTALLED AS SHOWN

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: STUTTS GRADING

IMPROVEMENT PERMIT by: Sydney Holland | Date: 3/27/24 | OPERATION PERMIT by: Burgent C. Wilson | Date:

AUTHORIZATION TO CONSTRUCT by: Sydney Holland | Date: 3/27/24 | 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 #: 4649111461
COUNTY: Iredell

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

OWNER: Joe Burges DATE EVALUATED: 3/21/24
ADDRESS: 173 Hidden Meadow Dr. Mooresville
PROPOSED FACILITY: ~~480gpd~~ 4BR PROPOSED DESIGN FLOW (.0400): 480 PROPERTY SIZE: 0.921
LOCATION OF SITE: 173 Hidden Meadow Dr. Mooresville PROPERTY RECORDED: yes
WATER SUPPLY: ☐ Public ☑ Single Family Well ☐ Shared Well ☐ Spring ☐ Other _____ WATER SUPPLY SETBACK: –
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	LS 15%	0 - 28	C / SBK	SS-SP-FR-SE	–	48"	–	–	PS .3	6"
		28 - 48	CL / SBK	SS-SP-FR-SE	Few Sap inc in CL Mica inc - thru out					
2	LS 15%	0 - 25	SS-SP-FR-SE	C / SBK	–	48"	–	–	PS .3	
		25 - 48	SS-SP-FR-SE	CL / SBK	Sap inc 35"+ Mica inc. thruout					
3	LS 12%	0 - 24	C / SBK	SS-SP-FR-SE	–	48"	–	–	PS .3	
		24 - 48	CL / SBK	SS-SP-FR-SE	Heavy Mica inc - in C & CL					
4	LS 17%	0 - 29	C / SBK	SS-SP-FR-SE	–	48"	–	–	PS .3	6"
		29 - 48	CL / SBK	SS-SP-FR-SE	Mica inc throut Some Sap inc. in CL					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	Ex + 278'	400'
System Type(s)	25%	25%
Site LTAR	.3	.3
Maximum Trench Depth	30"	30"

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

Comments: _____

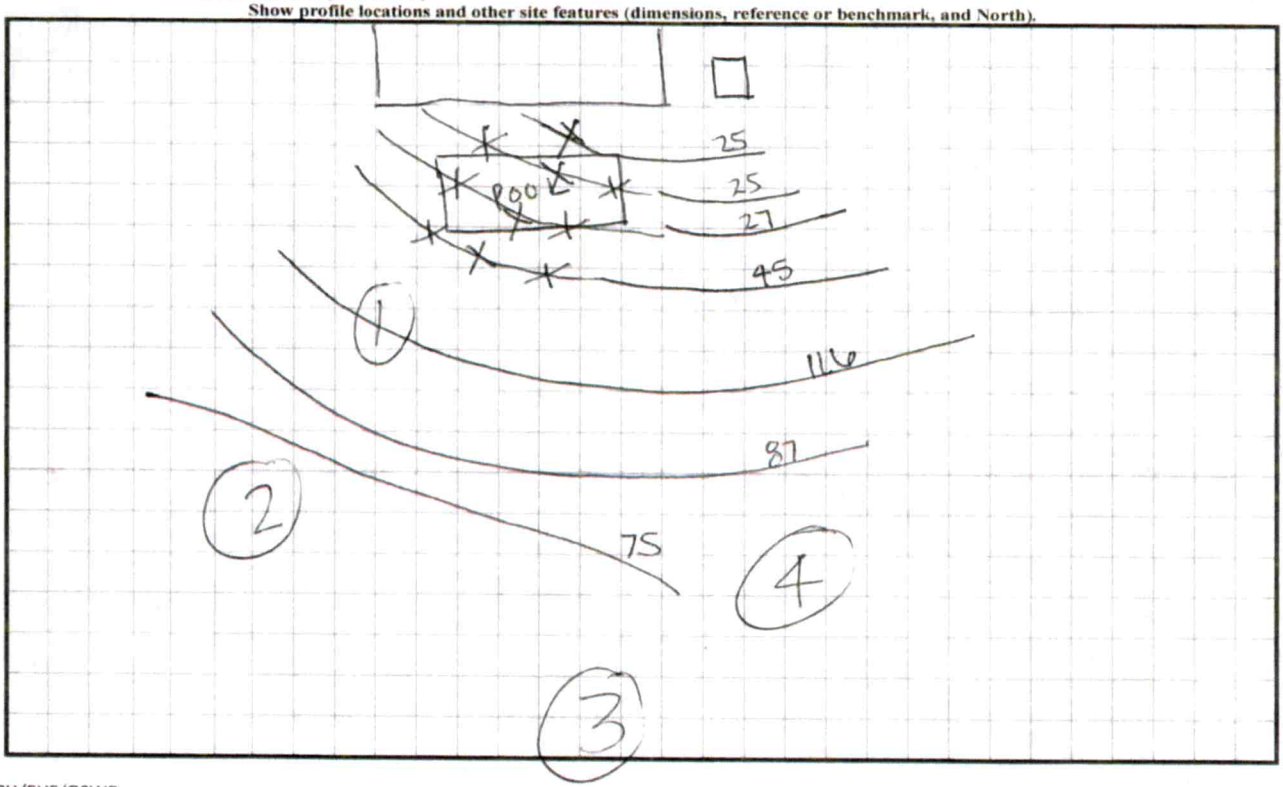
LEGEND

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).



IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 · Mooresville Office (704) 660-3625 PERMIT # 2413318

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

PIN # 4649 11 1461

APPLICANT/OWNER: Hidden Meadows Ventures APPLICANT ADDRESS: P.O. Box 4628 Mooresville NC 28117

SITE ADDRESS: 173 Hidden Meadows Drive Mooresville NC 28117 PHONE: 919-606 5952 ALT. PHONE —

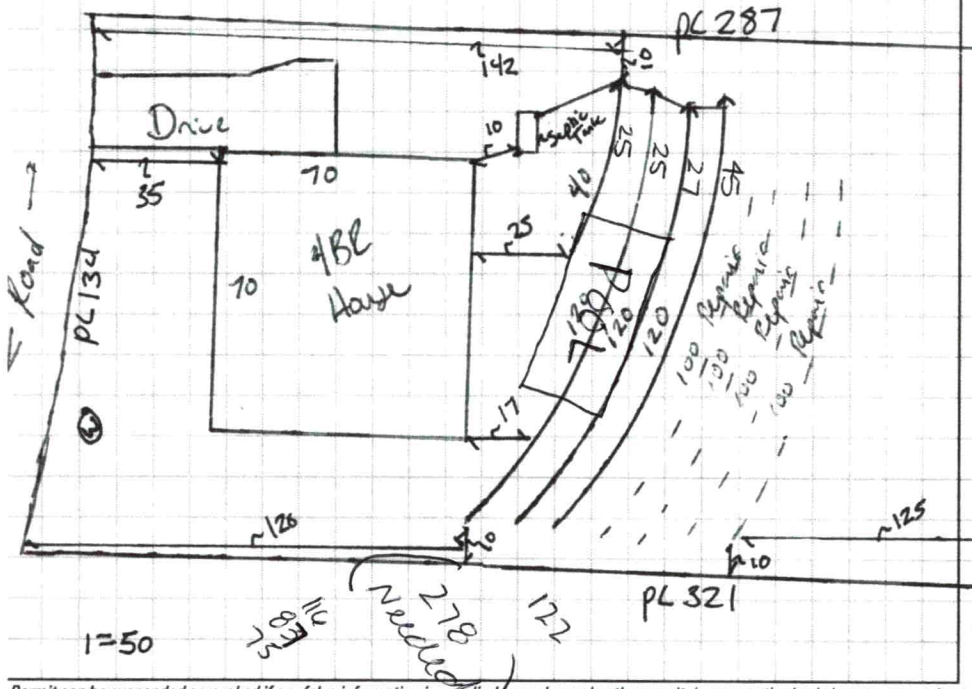
SITE DIRECTIONS: Highway 150 take Perth Rd towards Troutman Subdivision is past Rocky Mt. Methodist SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Hidden Meadows SECTION: — LOT # 7 LOT AREA: .921 DESIGN FLOW: 480 L.T.A.R.: .30

Septic Tank	1000	(gal)	STB	960	Date	2-4-2020	☒ New System	☐ Repair	☐ Expansion	System Type: I II III IV V VI	☒ Residence	No. Bedrooms	4	Water Supply
Pump Tank		(gal)	PT		Date		System Description:	Gravity 25% Reduction			☐ Business	No. Persons	8	☒ Private
Pump Make		Model			Serial #		Repair System Description:	Gravity 25% Reduction			☐ Other	No. Employees		☐ Public
# Nitrification Fields	1	# Lines	4		Linear Ft	400	Maintenance Agreement Required:	☐ YES	☒ NO		☐ Slab	☒ Crawl Space		☐ Community
Trench Width	36	Trench Bottom Depth(Low side)		28 inches	Gravel Depth	—		☒ GRAVITY	☐ PRESSURE		☐ Basement w/plumbing		☐ Basement w/o plumbing	

Comments / Conditions: Install Septic drainlines on the contour of the Land and utilize Serial distribution. Do not exceed max depth of 34 inches. Do not Drive, pave, grade, or bury utilities in drainfield area.

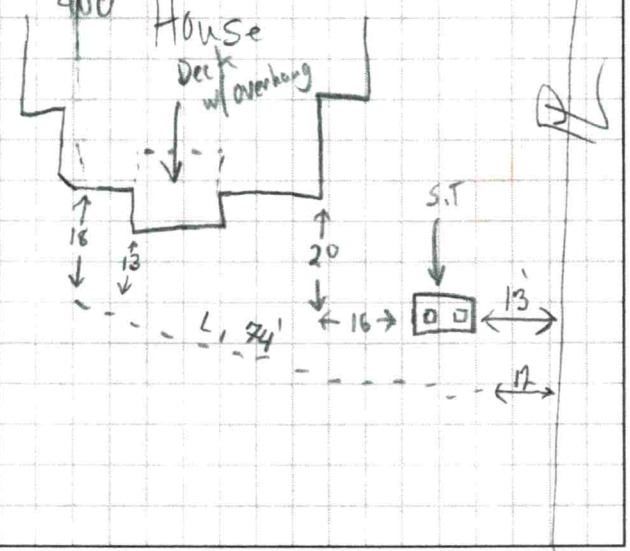
INITIAL SITE SKETCH



AS BUILT SKETCH

5/1/2020: Sheaf 1000-Gal mid seam conc. tank w/ a PL-68 effluent filter.

L1	18	174	4' 7.0"	verified ok by Inspr.
L2	25	102	5' 10.0"	28" TB of IQ4W
L3	28	114	6' 9.0"	L1 longer due to smaller house. Meets code
L4	27	110	7' 8.25"	
		400		



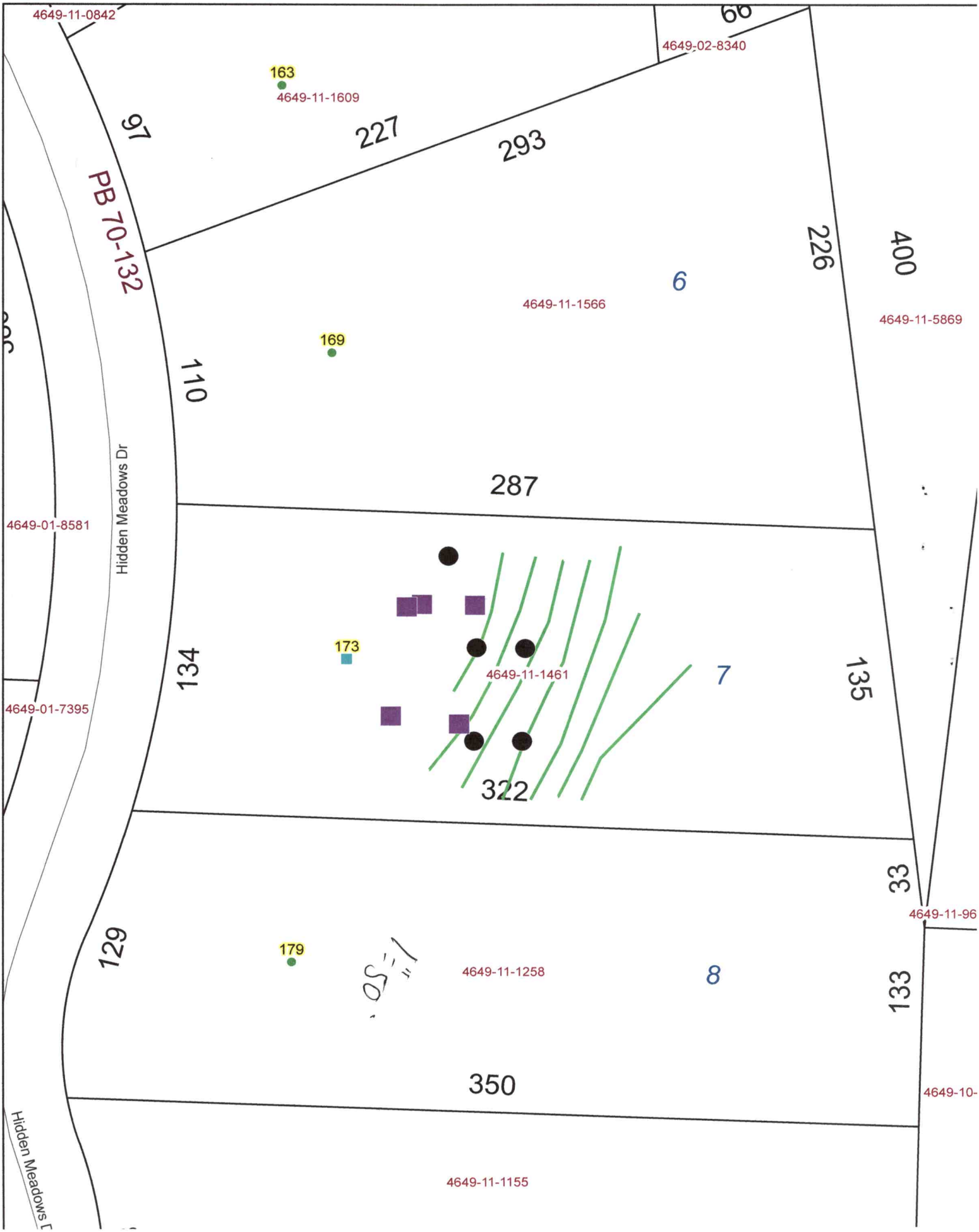
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Owner / Applicant Signature: [signature] Date: 4/30/19 Installed by: Nel Stutts

IMPROVEMENT PERMIT by: Benjamin A Bolkin Date: 4/29/19 OPERATION PERMIT by: Tom Shuck Date: 5/1/2020

AUTHORIZATION TO CONSTRUCT by: Kayla Wilson Date: 10-10-19 Existing System Inspected by: Date:


4649-11-0842
66
4649-02-8340
163
4649-11-1609
97
227
293
PB 70-132
226
400
6
4649-11-1566
4649-11-5869
169
110
287
Hidden Meadows Dr
4649-01-8581
173
134
4649-11-1461
7
135
4649-01-7395
322
33
4649-11-96
129
179
4649-11-1258
8
133
350
4649-10-
Hidden Meadows
4649-11-1155

PERMIT SNAPSHOT REPORT OSWP-2024-47887 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	02/26/2024
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:**	Holland, Sydney	**Approval Expire Date:**	
Description:	Need to relocate Septic Lines for Pool installation				

Parcel: 4649111461.000 Main	**Address:** 173 Hidden Meadows Dr Mooresville, NC 28117 Main	**Zone:** RA(Residential Agricultural District)

Property Owner	Applicant/Authorized Agent
joe Burgess	JOSEPH+DANIELLE BURGES
Home: (919) 621-0813	173 Hidden Meadows Dr
Mobile: (919) 621-0813	Mooresville, NC 28117
	Mobile: (919) 621-0813

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Septic Application/Permit Type	Relocate septic tank/drain lines	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	20 x 40 pool with walkway & small patio
What are the proposed structures	Swimming Pool	Type of New Single-Family Residence	Stick Built	Maximum Number of Bedrooms	4
If other Addition/Structure, please explain		Number of Occupants	5	Foundation Type	Crawl Space Foundat
Residential/Business/Other	Residential	Water Supply	Existing Well	Desired Septic System Type	Conventional (most common)
Lot Acreage	0.921	Back Setback	10	Left Setback	10
Right Setback	10	Zoning Permit Issued Date	Mar 4 2024 12:00AM	Zoning Permit Expiration Date	Aug 31 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
Zoning Notes/Addendums	Swimming Pool: Must meet requirement R22 of the LDC. Pools shall be located to comply with minimum setbacks for accessory structures- located behind front building line of house, 10' from side & rear property line. Lake lots must meet the 50' setback from the 760 contour line AND the 35' setback from the rear property line. Pools that are not an integral part of the principal building shall be located at least the minimum distance from the principal building necessary to comply with N.C. Building Code. Setback from house could		minimum 4' in height, and equipped with self-closing and positive self-latching gate provided with hardware for permanent locking. Fence not required for above ground pools if they are at least 4' in height, the ladder removed, or when NOT in use have a gate to the ladder as described above.	Additional Unique Setbacks Apply	No

PERMIT SNAPSHOT REPORT (OSWP-2024-47887)

Watershed	WSIV PA CATAWBA/LAKE NORMAN

Type of Hold	Created By	Date Created	Hold Origin	Comments	A
Awaiting Additional Documents	Julia Bailey	02/27/2024 13:18	OSWP-2024-47887	need a site plan with the pool location and setback	

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_JOSEPH+DANIELLE_BURGESS_2/26/2024.jpg	02/26/2024 16:16	BURGESS, JOSEPH+DANIELLE		Uploaded via CSS
173 Hidden Meadows AA form_v1.pdf	02/27/2024 7:38	Nebel, Barbara	Available Online	
Burgess Const D_v1_v2.pdf	03/04/2024 9:06	BURGESS, JOSEPH+DANIELLE	Available Online	

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End
2024-197793	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	03/14/2024	03/14/2024 0:00	03/14/2024 0:00	03/14/2024 13:24	03/14/2024

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-00027648	Iredell Zoning Permit Fee	$75.00	$75.00
	Iredell Zoning Tech Fee	$2.25	$2.25
	New Gravity System	$500.00	$500.00
	Total for Invoice INV-00027648	$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		02/27/2024 7:38	02/27/2024 7
Confirm application complete v.1	Generic Action		02/27/2024 7
Fees v.1		03/05/2024 7:44	03/05/2024 7
Issue Invoice v.1	Generic Action		03/05/2024 7
Fees Paid v.1	Generic Action		03/05/2024 7
Zoning Review v.1		03/04/2024 9:02	03/05/2024 9
~~Floodplain Admin Overview v.1~~	Task		03/04/2024 9
Iredell County Zoning Approval v.1	Task	03/04/2024 9:02	03/05/2024 9
Issue Invoice v.1	Generic Action		03/04/2024 9
Fees Paid v.1	Generic Action		03/05/2024 7
Lot Readiness Verification v.1		03/14/2024 13:24	
OSWP Septic Preliminary Site Visit v.1	Inspection	03/14/2024 13:24	03/14/2024 1
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		