BLDR-2023-34047

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 | Mooresville Office (704) 660-3625 PERMIT # OSWP 2023-28332

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

PIN # 4626 -- 41 -- 6719

APPLICANT/OWNER: Nathan Barkley APPLICANT ADDRESS: 16003 Rushwick Dr, Huntersville

SITE ADDRESS: 115 Harbor Pine Rd, Mooresville 28117 PHONE: 704-340-4201 ALT. PHONE -

SITE DIRECTIONS: Brawley School - Chuckwood - Seagrove - Lakeland - Harbor Pine SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Holiday Harbor SECTION: - LOT # 67 LOT AREA: 102 x 202 DESIGN FLOW: 360 gpd L.T.A.R.: 0.3

Septic Tank	1000	(gal)	STB	760	Date	9-1-23	☒ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI	
Pump Tank		(gal)	PT		Date		System Description:	VPPBPS			
Pump Make			Model		Serial #		Repair System Description:	EXEMPT (Partial)			
# Nitrification Fields	1		# Lines	4	Linear Ft	200'	Maintenance Agreement Required:	☐ YES	☒ NO		
Trench Width	24 in		Trench Bottom Depth ~~(Low side)~~	36" max	Gravel Depth	-		☒ GRAVITY	☐ PRESSURE		

☒ Residence ☐ Business ☐ Other ☐ Slab ☐ Basement w/plumbing

No. Bedrooms 3 No. Persons 6 No. Employees ☒ Crawl Space

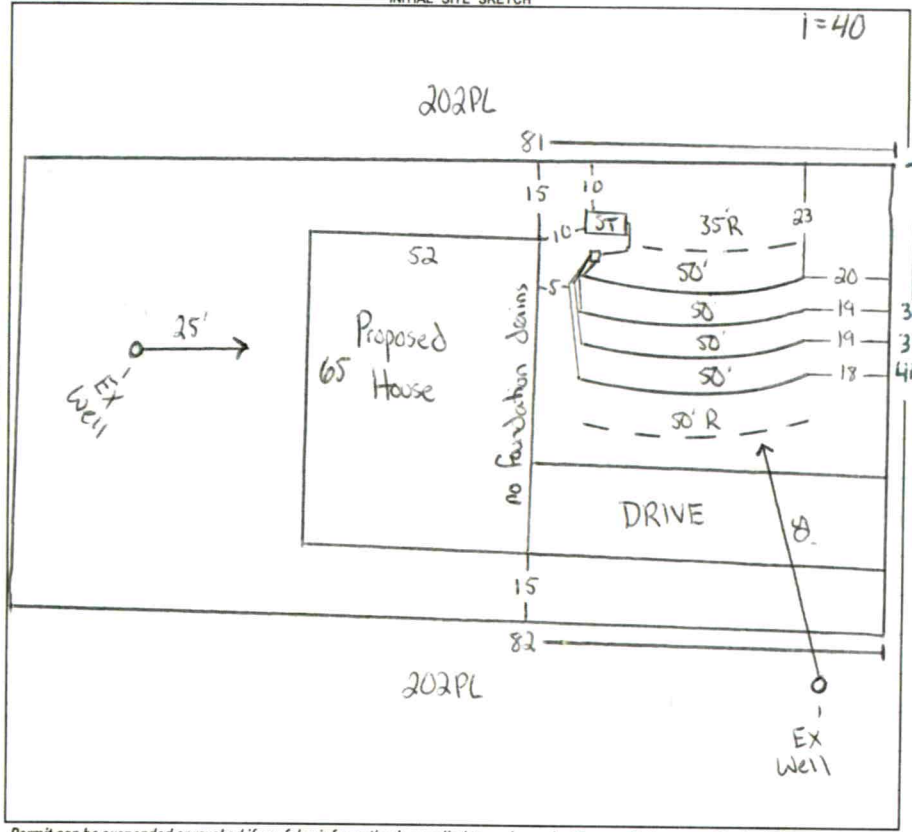
☐ Basement w/o plumbing

Water Supply: ☒ Private ☐ Public ☐ Community

Comments / Conditions: Install on contour with the land. Do not drive, park, or grade septic area. Feed all lines equally.

House must meet all zoning setbacks.

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.

Installed as shown

T.B w/ 42" high-side to achieve gravity

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:

IMPROVEMENT PERMIT by: Cory Hill Date: 7/12/23

AUTHORIZATION TO CONSTRUCT by: Cory Hill Date: 7/25/23

Installed by: Groundbreakers

OPERATION PERMIT by: Sydney Howard Date: 11/16/23

Existing System Inspected by: Date:

FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-9am the day the inspection is needed.

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

Sheet 1 of 1
PROPERTY ID #: 4626411621
COUNTY: Iredell

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

OWNER: Nathan Barkley
ADDRESS: 16003 Rushwick Dr, Huntersville
PROPOSED FACILITY: 3 bd/r home
LOCATION OF SITE: 115 Harbor Pine
PROPOSED DESIGN FLOW (.1949): 360 gpd
APPLICATION DATE 6/15/23
DATE EVALUATED: 7/11/23
PROPERTY SIZE: 103 x 202
PROPERTY RECORDED: Yes
WATER SUPPLY: Private Public X Well Spring Other
EVALUATION METHOD: Auger Boring X Pit Cut
TYPE OF WASTEWATER: X Sewage Industrial Process Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	LS 3%	0-26	C / ABK	SS SP FR SE	-	46	Sap inclusions at 26+	-	PS .35
		26-46	CL / SBK	SS SP FR SE					
2	LS 3%	0-31	C / ABK	SS SP FR SE	-	49	-	-	PS .325
		31-49	CL / SBK	SS SP FR SE					
3	Linear 2%	0-29	C ABK	SS SP FR SE	-	48	-	-	.3 PS
		29-48	CL SBK	SS SP FR SE					
4	Linear 3%	0-24	C ABK	SS SP FR SE	-	48	SAP inc in CL layer		.3 PS
		24-48	CL SBK	SS SP FR SE					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	EXEMPT
System Type(s)	50%	
Site LTAR	.3	

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Cory Whicker
OTHER(S) PRESENT: Wilkinson, Williams

COMMENTS:

Updated February 2014

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope) CV (Convex Slope) D (Drainage Way) DS (Debris Slump) FP (Flood Plain) FS (Foot Slope) H (Head Slope) L (Linear Slope) N (Nose Slope) R (Ridge) S (Shoulder Slope) T (Terrace)	I	S (Sand) LS (Loamy Sand)	1.2 - 0.8	0.6 - 0.4	SEXP (Slightly Expansive) EXP (Expansive)	G (Single Grain) M (Massive) CR (Crumb) GR (Granular) SBK (Subangular Blocky) ABK (Angular Blocky) PL (Platy) PR (Prismatic)
	II	SL (Sandy Loam) L (Loam)	0.8 - 0.6	0.4 - 0.3		
	III	Si (Silt) SiCL (Silty Clay Loam) CL (Clay Loam) SCL (Sandy Clay Loam) SiL (Silt Loam)	0.6 - 0.3	0.3 - 0.15		
					MOIST	**WET**
	IV	SC (Sandy Clay) SiC (Silty Clay) C (Clay)	0.4 - 0.1	0.2 - 0.05	VFR (Very Friable) FR (Friable) FI (Firm) VFI (Very Firm v. Very Sticky)	NS (Non-sticky) SS (Slightly Sticky) S (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.

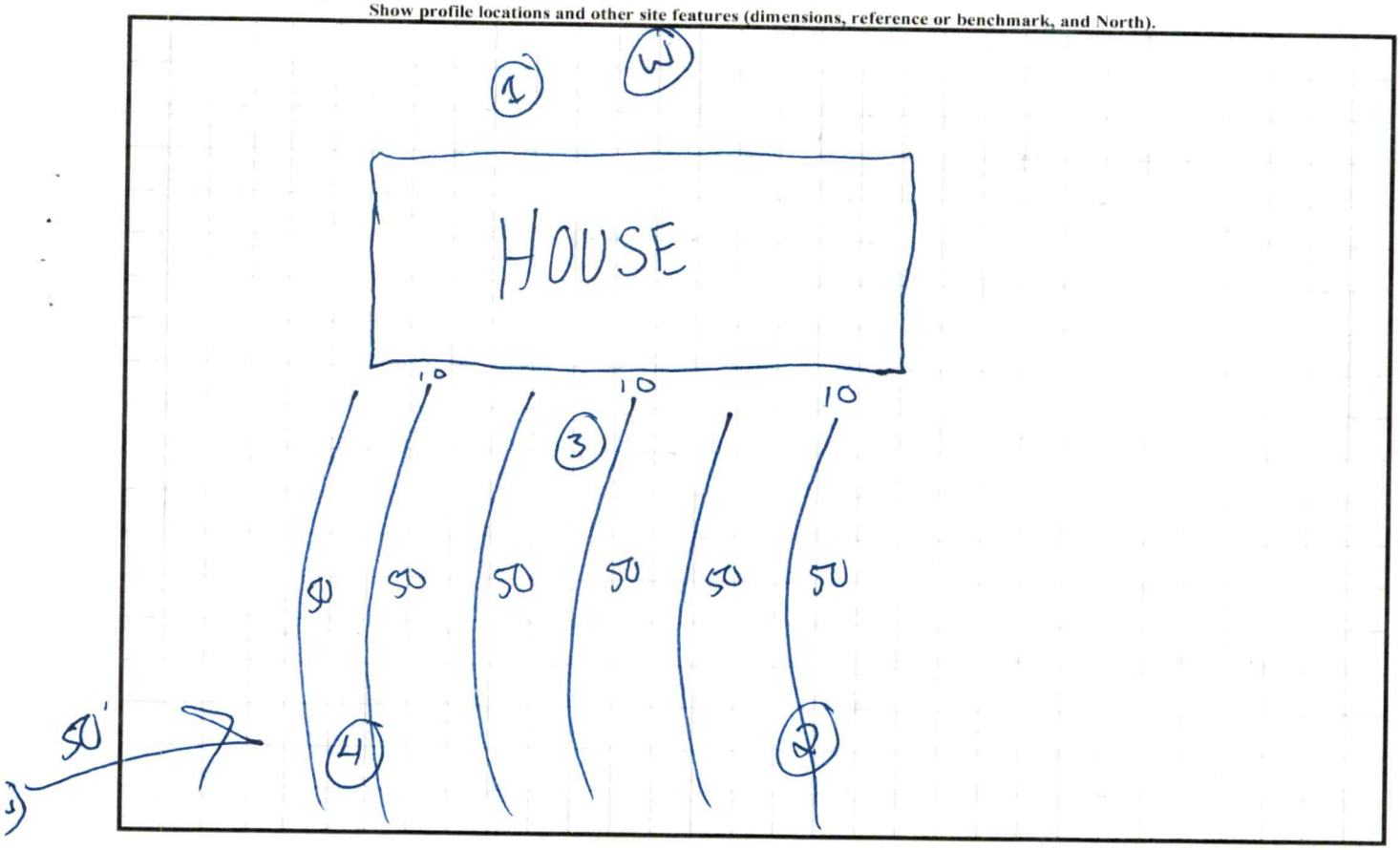
NOTES

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)

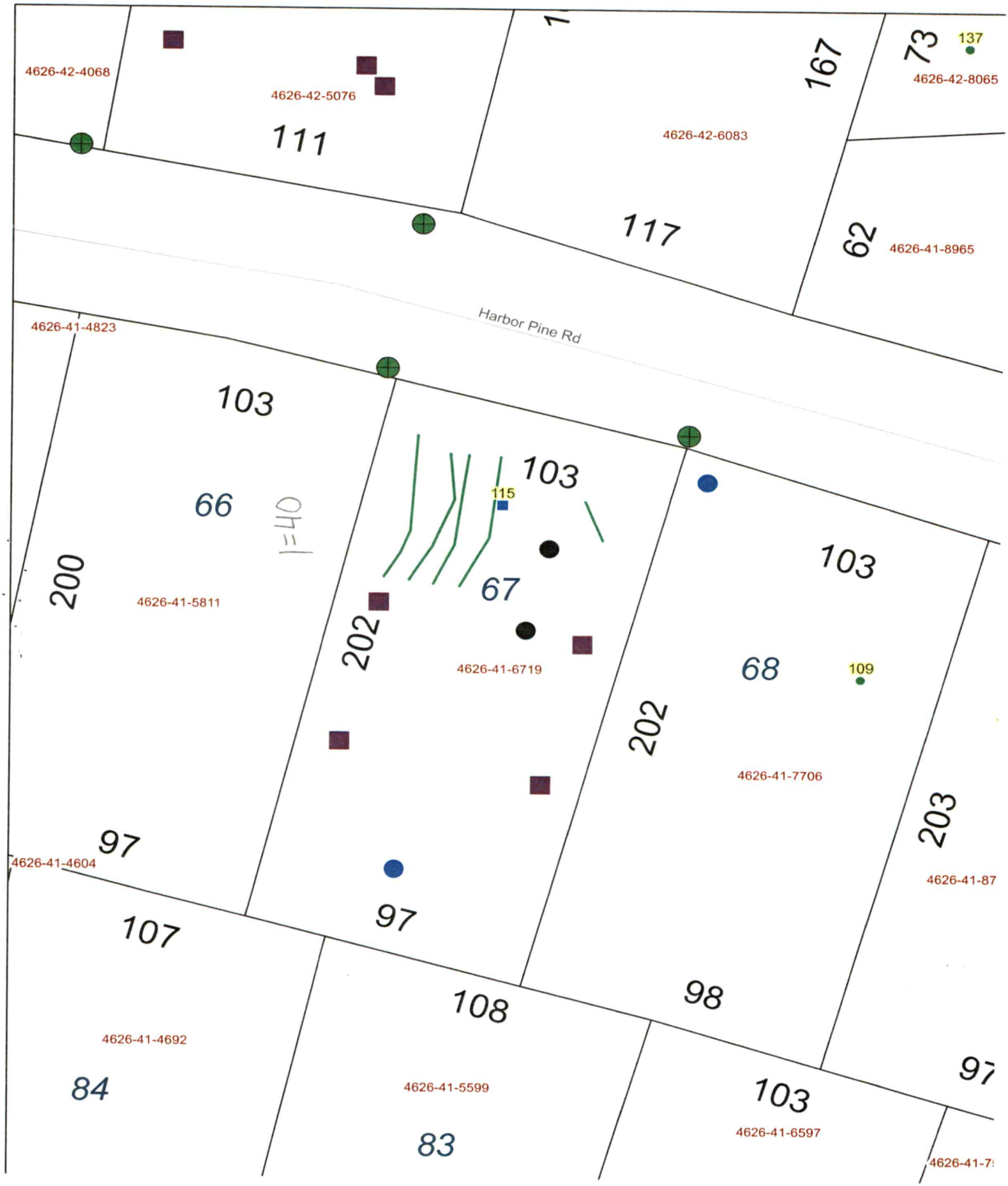
Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft²

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



Harbor Pine Ln


4626-42-4068
4626-42-5076
111
4626-42-6083
167
73
137
4626-42-8065
117
62
4626-41-8965
Harbor Pine Rd
4626-41-4823
103
66
1=40
200
4626-41-5811
103
115
67
202
4626-41-6719
103
68
109
202
4626-41-7706
203
4626-41-87
97
4626-41-4604
97
107
108
98
4626-41-4692
84
4626-41-5599
83
103
4626-41-6597
97
4626-41-7

MW

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 | Mooresville Office (704) 660-3625 PERMIT # OSWP 2023-28332

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

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SITE DIRECTIONS: Brawley School - Chuckwood - Seagrove - Lakeland - Harbor Pine SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Holiday Harbor SECTION: - LOT # 67 LOT AREA: 102 x 202 DESIGN FLOW: 360 gpd L.T.A.R.: 0.3

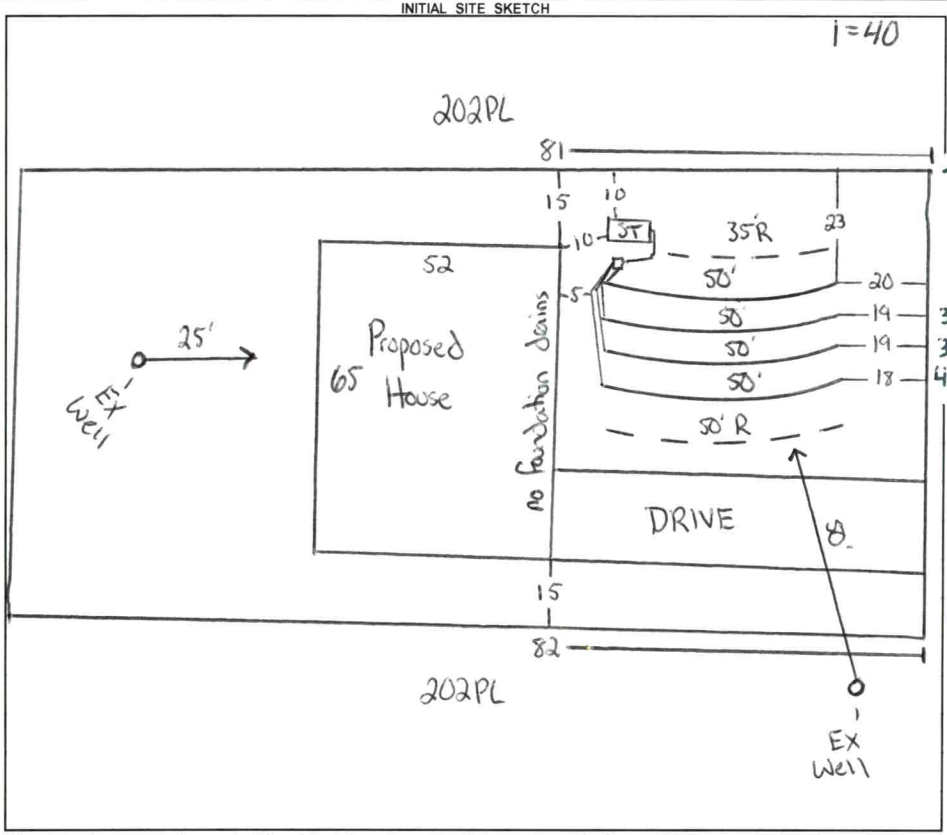
Septic Tank	1000 (gal)	STB	Date	☒ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI	☒ Residence	No. Bedrooms 3
Pump Tank	(gal)	PT	Date	System Description:	VPPBPS			☐ Business	No. Persons 6
Pump Make	Model		Serial #	Repair System Description:	EXEMPT (Partial)			☐ Other	No. Employees
# Nitrification Fields	1 # Lines 4		Linear Ft 200'	Maintenance Agreement Required:	☐ YES	☒ NO		☐ Slab	☒ Crawl Space
Trench Width	24 in Trench Bottom Depth ~~(Low side)~~	36" max	Gravel Depth -	☒ GRAVITY	☐ PRESSURE			☐ Basement w/plumbing	☐ Basement w/o plumbing

Water Supply: ☒ Private ☐ Public ☐ Community

Comments / Conditions: Install on contour with the land. Do not drive, park, or grade septic area. Feed all lines equally.

House must meet all zoning setbacks.

INITIAL SITE SKETCH



AS BUILT SKETCH

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Owner / Applicant Signature: Online Signature Date: Installed by:

IMPROVEMENT PERMIT by: Cory Wilt Date: 7/12/23 OPERATION PERMIT by: Date:

AUTHORIZATION TO CONSTRUCT by: Cory Wilt Date: 7/25/23 Existing System Inspected by: Date:

FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-9am the day the inspection is needed.

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 1
PROPERTY ID #: 4626411679
COUNTY: Iredell

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

OWNER: Nathan Barkley
ADDRESS: 16003 Rushwick Dr, Huntersville
PROPOSED FACILITY: 3 bd/r home
LOCATION OF SITE: 115 Harbor Pine
APPLICATION DATE: 6/15/23
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PROPOSED DESIGN FLOW (.1949): 360 gpd
PROPERTY SIZE: 103 x 202
PROPERTY RECORDED: yes

WATER SUPPLY: Private Public X Well Spring Other
EVALUATION METHOD: Auger Boring X Pit Cut
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DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	EXEMPT
System Type(s)	50%	
Site LTAR	.3	

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SITE CLASSIFICATION (.1948): PS
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COMMENTS:

LEGEND

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H (Head Slope)	III	Si (Silt)	0.6 - 0.3	0.3 - 0.15		PL (Platy)
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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)
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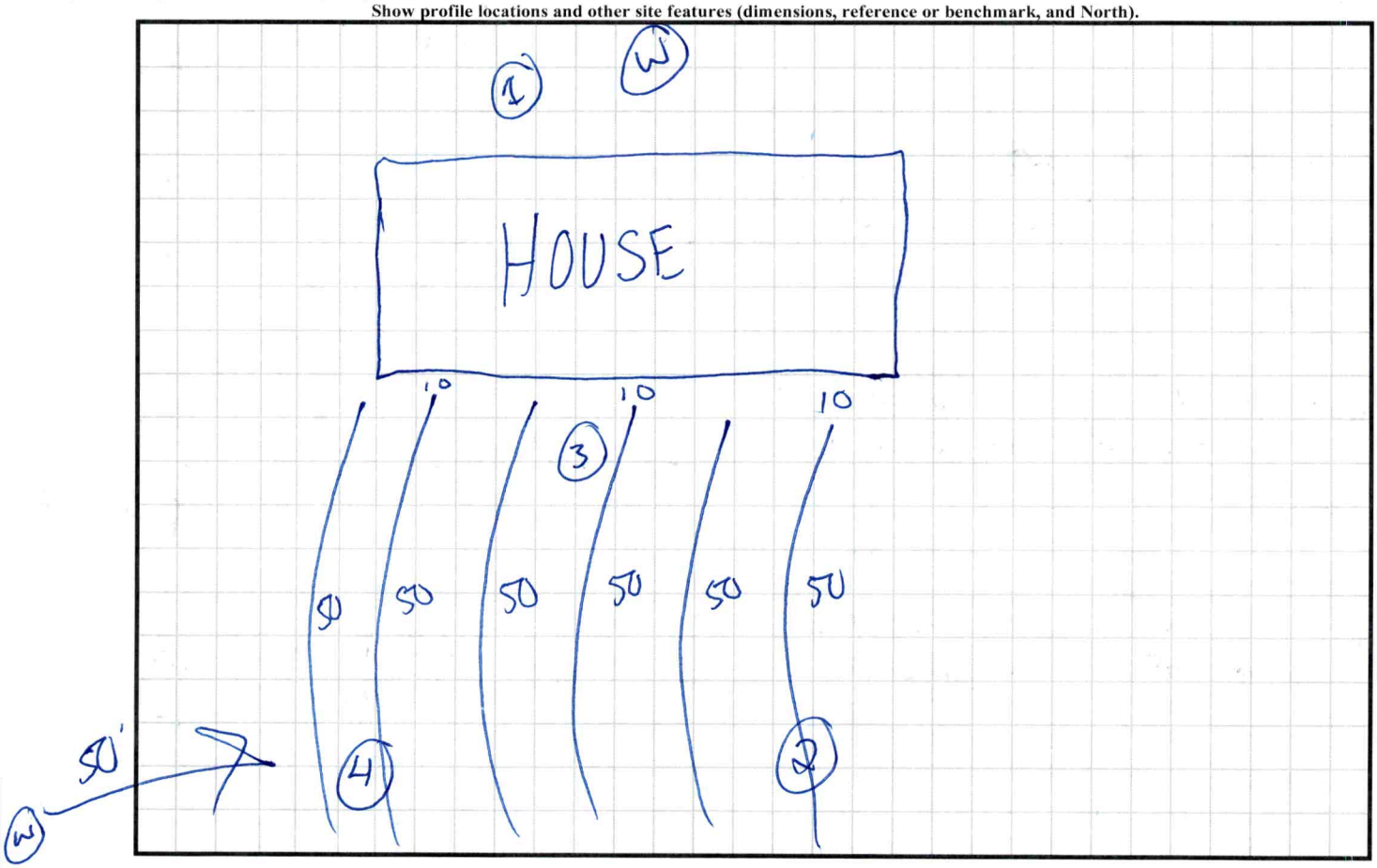
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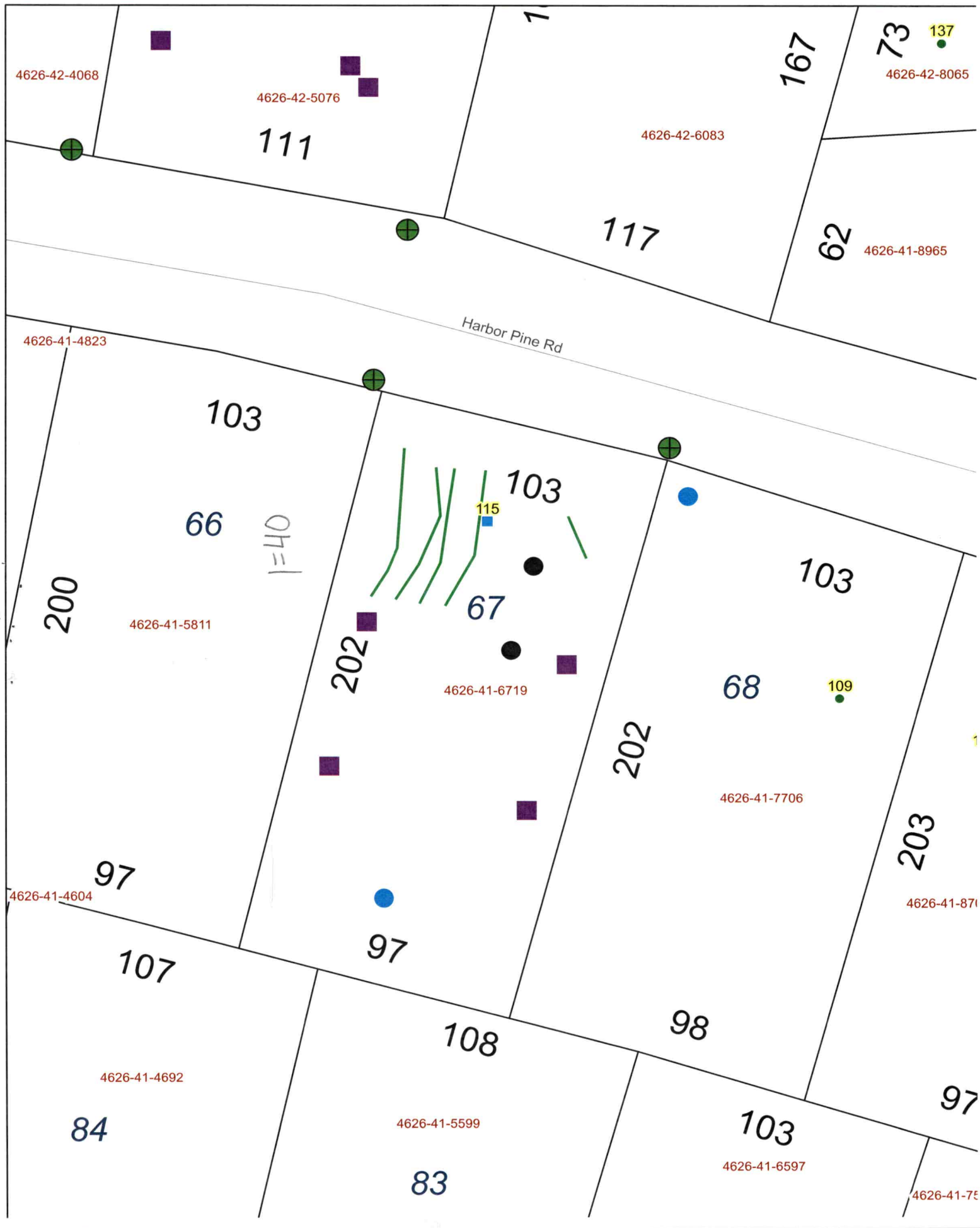
Long-term Acceptance Rate (LTAR): gal/day/ft^2

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



Harbor Pine Ln

Updated February 2014


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103
68
109
202
4626-41-7706
203
4626-41-87
97
4626-41-4604
97
107
108
98
4626-41-4692
84
4626-41-5599
83
103
4626-41-6597
97
4626-41-75

PERMIT SNAPSHOT REPORT OSWP-2023-28332 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	06/15/2023
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:					

Parcel: 4626416719.000 Main	**Address:** 115 Harbor Pine Rd Mooresville, NC 28117 Main	**Zone:** RR(Resort Residential District)

Applicant/Authorized Agent	Property Owner
Nathan Barkley	Nathan Barkley
16003 Rushwick Drive	16003 Rushwick Drive
Huntersville, NC 28078	Huntersville, NC 28078
Mobile: (704) 340-4201	Mobile: (704) 340-4201

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Septic Application/Permit Type	Authorization to Construct	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	70 ft by 49 ft
What are the proposed structures	New Single Family Residence	Type of New Single-Family Residence	Stick Built	Maximum Number of Bedrooms	3
If other Addition/Structure, please explain		Number of Occupants	3	Foundation Type	Crawl Space Foundation
Residential/Business/Other	Residential	Water Supply	Existing Well, New Well	Desired Septic System Type	Conventional (most common)
Front Setback	35	Back Setback	35	Left Setback	15
Right Setback	15	Zoning Permit Issued Date	Jun 22 2023 12:00AM	Zoning Permit Expiration Date	Dec 19 2023 12:00AM
Additional Unique Setbacks Apply	No	Watershed	WSIV CA CATAWBA/LAKE NORMAN		

Type of Hold	Created By	Date Created	Hold Origin	Comments	Active
Awaiting Additional Documents	Julia Bailey	06/19/2023 11:23	OSWP-2023-28332	NEEDED: SITE PLAN WITH SETBACK MEASUREMENTS FRC ALL 4 SIDES OF THE PROPERTY LINE	No

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Nathan_Barkley_6/15/2023.jpg	06/15/2023 14:21	Barkley, Nathan		Uploaded via CSS
CamScanner 06-15-2023 11.51_1_v1.pdf	06/16/2023 9:02	Nebel, Barbara	Available Online	Authorize to Act as Agent
CamScanner-06-22-2023-13.46_v2.pdf	06/22/2023 15:08	Bailey, Julia	Available Online	Site Plan

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2023-107863	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	06/27/2023	06/27/2023 0:00	06/27/2023 0:00	06/27/2023 10:38	06/27/2023 10:38

Inspectors: Holland, Sydney (Primary)

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

PERMIT SNAPSHOT REPORT (OSWP-2023-28332)

checklist item

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00016330	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-00016330	$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		06/16/2023 9:02	06/16/2023 9:04
Confirm application complete v.1	Generic Action		06/16/2023 9:04
Environment Health Inspections v.1			
Operation Permit Inspection v.1	Inspection		
OSWP Alarm Checked v.1	Inspection		
OSWP Drain Lines Checked v.1	Inspection		
OSWP Electrical Checked v.1	Inspection		
OSWP Floats Checked v.1	Inspection		
OSWP Maintenance Contract v.1	Inspection		
OSWP Pressure Head Checked v.1	Inspection		
OSWP Pressure Manifold Checked v.1	Inspection		
Fees v.1		06/23/2023 9:08	06/23/2023 9:09
Issue Invoice v.1	Generic Action		06/23/2023 9:09
Fees Paid v.1	Generic Action		06/23/2023 9:09
Lot Readiness Verification v.1		06/27/2023 10:38	
OSWP Septic Preliminary Site Visit v.1	Inspection	06/27/2023 10:38	06/27/2023 10:38
OSWP Site Evaluation v.1	Inspection		
Zoning Review v.1		06/16/2023 9:03	06/23/2023 8:59
~~Floodplain Admin Overview v.1~~	Task		06/22/2023 15:08
Iredell County Zoning Approval v.1	Task	06/16/2023 9:03	06/23/2023 8:59
Issue Invoice v.1	Generic Action		06/22/2023 15:08
Fees Paid v.1	Generic Action		06/23/2023 8:59
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		