BLDR-2023-38539

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 2023-367163

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

PIN # 3783 -32 -9987

APPLICANT/OWNER: Donald York APPLICANT ADDRESS: 424 Players Ridge Rd, Hickory

SITE ADDRESS: 173 Pumice Dr, Statesville 28625 PHONE: 336-653-4019 ALT. PHONE -

SITE DIRECTIONS: Sharon School - Walnut Tree - Pumice SAP CONTROLLED: ☐ YES ☒ NO

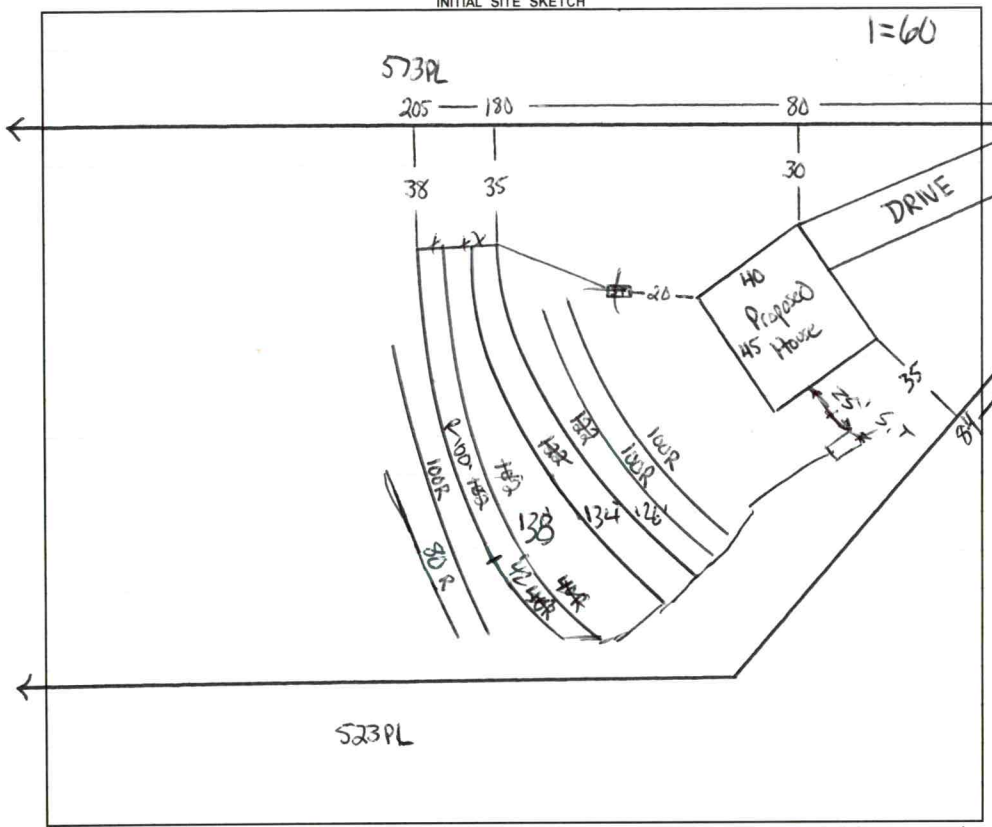
SUBDIVISION: River Rock SECTION: 2 LOT # 16 LOT AREA: 2.27 acres DESIGN FLOW: 480 gpd L.T.A.R.: 0.275

Septic Tank	1000	(gal)	STB	760	Date	11-12-2022	☒ 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	4		Linear Ft	437'	Maintenance Agreement Required:	☐ YES	☒ NO		
Trench Width	36 in	Trench Bottom Depth(Low side)	28 in		Gravel Depth	-	☒ GRAVITY		PRESSURE		

☒ Residence No. Bedrooms 4 — Water Supply
☐ Business No. Persons 8 — ☐ Private
☐ Other No. Employees — ☒ Public
☐ Slab ☒ Crawl Space — ☐ Community
☐ Basement w/plumbing ☐ Basement w/o plumbing

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

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

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: Cary Whitt Date: 10/11/23

AUTHORIZATION TO CONSTRUCT by: Cary Whitt Date: 10/11/23

Installed by: LENTZ WASTEWATER

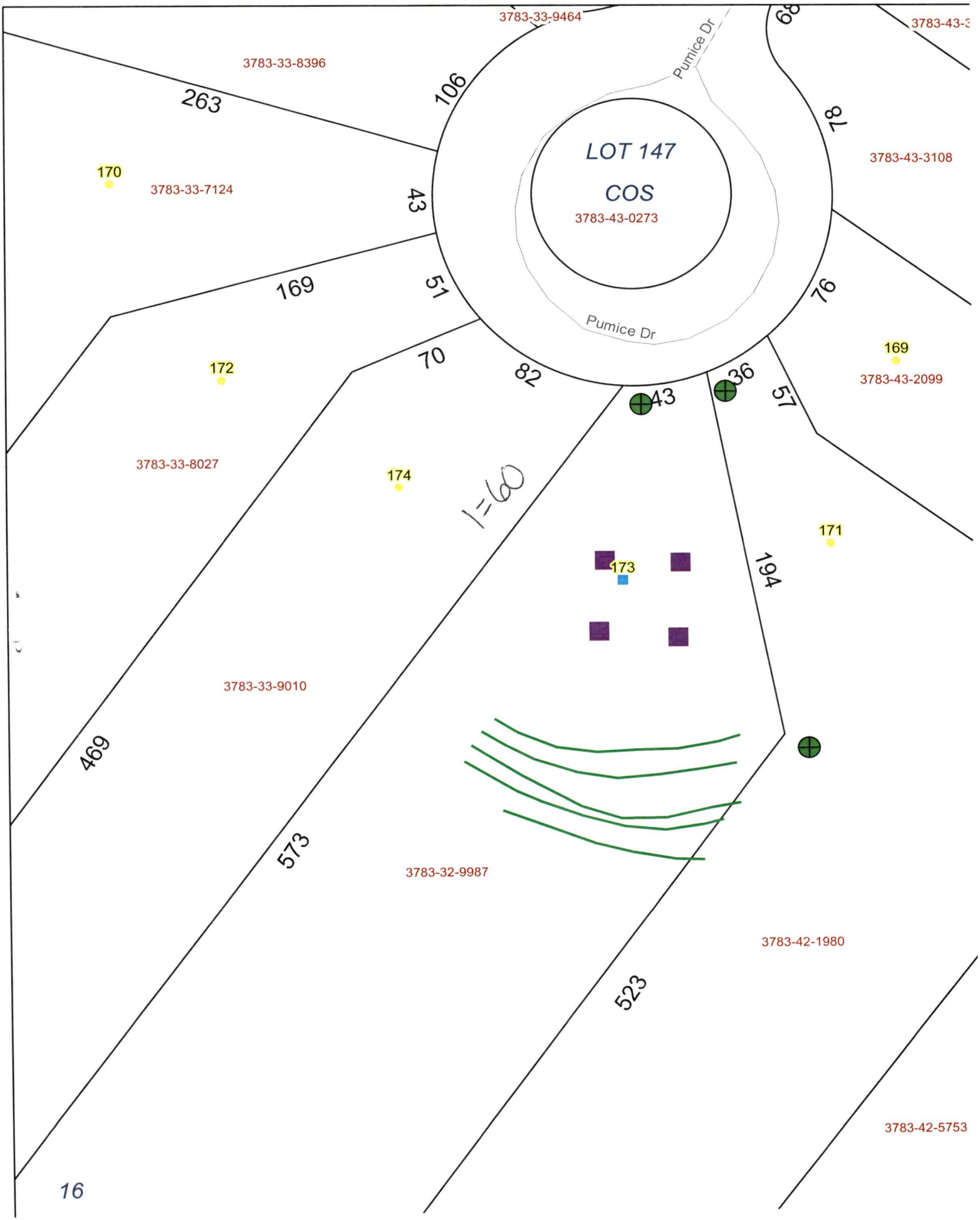
OPERATION PERMIT by: Bryant C. White Date: 1-18-2024

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? _____	


3783-33-9464
3783-33-8396
263
106
Pumice Dr
68
3783-43-3
78
LOT 147
COS
3783-43-0273
3783-43-3108
170
3783-33-7124
43
169
51
Pumice Dr
76
172
70
82
43
36
57
169
3783-43-2099
3783-33-8027
174
I=60
171
173
194
3783-33-9010
469
573
3783-32-9987
3783-42-1980
523
3783-42-5753
16

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

Sheet 1 of 1
PROPERTY ID #: 3783329487
COUNTY: Iredell

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

OWNER: Donald York
ADDRESS: 424 Players Ridge Rd
PROPOSED FACILITY: 4bd/2 home
PROPOSED DESIGN FLOW (.1949): 480 gpd
LOCATION OF SITE: 173 Pumice Dr, Statesville
APPLICATION DATE 9/15/23
DATE EVALUATED: 10/10/23
PROPERTY SIZE: 2.27 acres
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) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	Linear 8%	0-28	C SBK	S P FR SE	–	48	Heavy at < 50%	Rock at 40"	.3 PS
		28-48	CL SBK	SS SP FR SE					
2	Linear 10%	0-20	SC SBK	SS SP FR SE	–	48	Heavy at < 50%	Rock at 37"	.275 PS
		20-37	C W SBK	S P FR SE					
		37-48	CL W SBK	SS SP FR SE					
3	Linear 17%	0-37	C SBK	SS SP FR SE	–	48	Few at	Rock inc at 39"	.3 PS
		37-48	CL W SBK	SS SP FR SE					
4	Linear 19%	0-18	SC SBK	SS SP FR SE	–	48	Few at	Rock inc at 28"	.3 PS
		18-28	C SBK	SS SP FR SE					
		28-48	CL W SBK	SS SP FR SE					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	25%	25%
Site LTAR	.275	.275

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

COMMENTS:

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope)	I	S (Sand)	1.2 - 0.8	0.6 - 0.4	SEXP (Slightly Expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)			EXP (Expansive)	M (Massive)
D (Drainage Way)						CR (Crumb)
DS (Debris Slump)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3		GR (Granular)
FP (Flood Plain)		L (Loam)				SBK (Subangular Blocky)
FS (Foot Slope)						ABK (Angular Blocky)
H (Head Slope)	III	Si (Silt)	0.6 - 0.3	0.3 - 0.15		PL (Platy)
L (Linear Slope)		SiCL (Silty Clay Loam)				PR (Prismatic)
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)
		SiC (Silty Clay)			FI (Firm)	S (Sticky)
		C (Clay)			VFI (Very Firm v. Very 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.

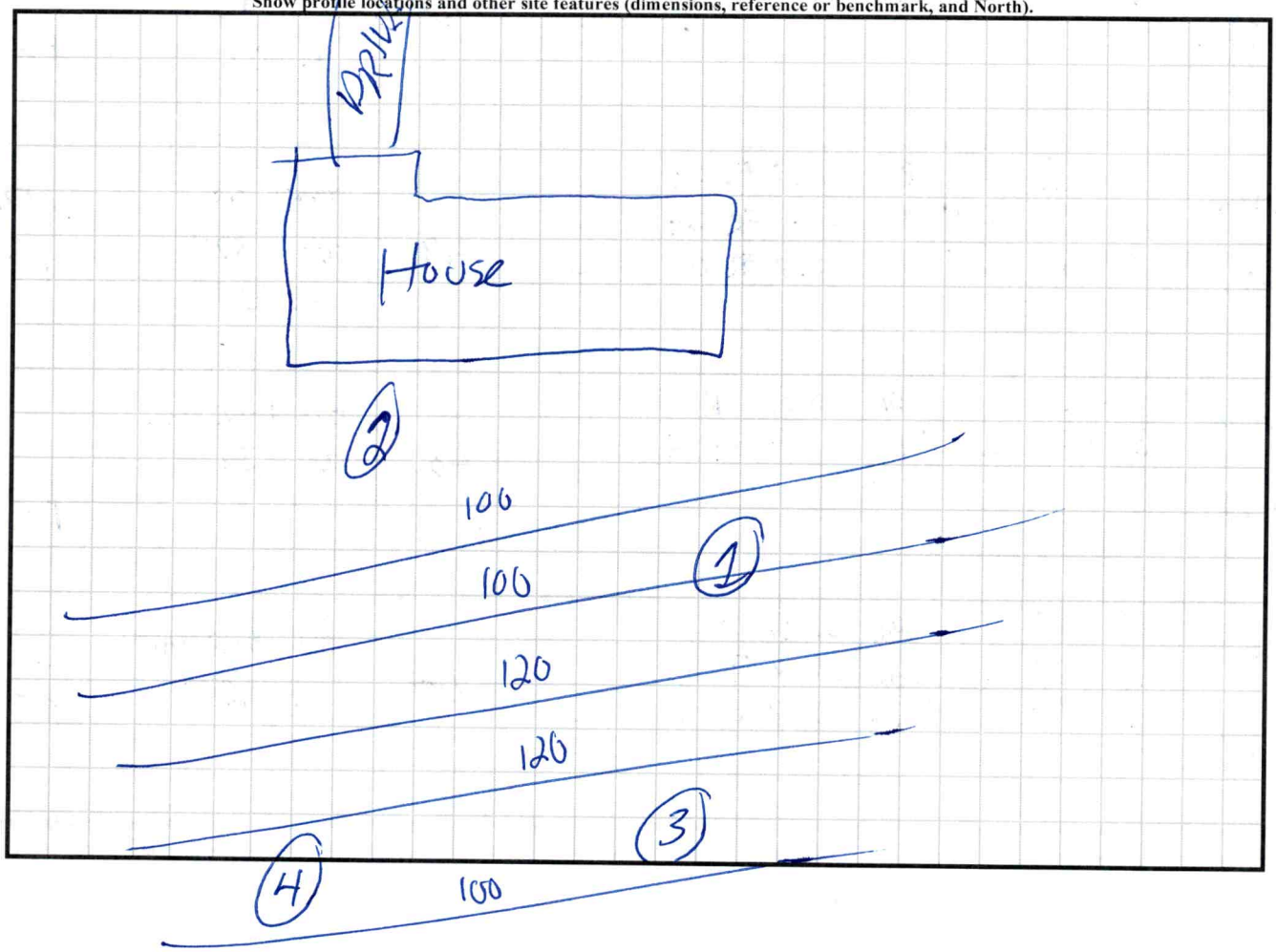
NOTES

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/ft^2

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



PERMIT SNAPSHOT REPORT OSWP-2023-36763 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	09/15/2023
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: ***Floodplain review*** Owner wants to see if they can move septic out of flood plain, and up closer to house . IP 9/28- Called and left VM, sent email. Need gate code. Donald called back stated site ready gate code in internal notes. GM Site visit, checked w/inspector on this one-site ready GM

Parcel:	3783329987.000	Main	**Address:**	173 Pumice Dr Statesville, NC 28625	Main	**Zone:**	RA(Residential Agricultural District)

Property Owner	Applicant/Authorized Agent
Donald York	Donald York
424 Players Ridge Rd	424 Players Ridge Rd
Hickory, NC 28601	Hickory, NC 28601
Mobile: (336) 653-4019	Mobile: (336) 653-4019

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	House 40x40, see attachment for exact
What are the proposed structures	New Single-Family Residence - Stick Built	Type of New Single-Family Residence	Stick Built	Maximum Number of Bedrooms	4
If other Addition/Structure, please explain		Number of Occupants	8	Foundation Type	Crawl Space Foundation
Residential/Business/Other	Residential	Water Supply	Other Public Water	Desired Septic System Type	No Preference
Has this project been approved by TRC	No	Lot Acreage	2.27	Front Setback	35
Back Setback	35	Left Setback	15	Lake/Stream Setback	50
Right Setback	15	Zoning Permit Issued Date	Oct 2 2023 12:00AM	Zoning Permit Expiration Date	Mar 30 2024 12:00AM
Is the structure or development in the floodplain	Yes	Is the property in a local historic district?	No	Is the property located downtown?	No
Zoning Notes/Addendums	Must meet both the 50-foot setback from the 760' contour line and the 35-foot setback from the rear property line for any structure.	Additional Unique Setbacks Apply	No	Watershed	WSIV CA CATAWBA/LAKE NORMAN

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Donald_York_9/15/2023.jpg	09/15/2023 10:39	York, Donald		Uploaded via CSS
thumbnail_image0_v1.jpg	09/15/2023 15:42	Hart, Ronda	Available Online	Authorize to Act as Agent
Site Plan updated 9-25-23.pdf	09/25/2023 13:39	Williams, Jonathan		

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2023-146040	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	10/02/2023	09/29/2023 0:00	09/29/2023 0:00	10/02/2023 8:06	10/02/2023 8:06

Inspectors: McLeod, Grace (Primary)

Checklist Item	Description	Passed	Comments

PERMIT SNAPSHOT REPORT (OSWP-2023-36763)

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

Note	Created By	Date and Time Created
1. 9/28 Called and left VM, sent email. Need gate code. Donald called back site ready ***** gate code 7485# GM	Grace McLeod	09/28/2023 16:53

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00021224	Iredell Zoning Permit Fee	$75.00	$75.00
	New Gravity System	$500.00	$500.00
	Iredell Zoning Tech Fee	$2.25	$2.25
	Total for Invoice INV-00021224	$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		09/15/2023 15:48	09/15/2023 15:48
Confirm application complete v.1	Generic Action		09/15/2023 15:48
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		
OSWP Tanks Checked v.1	Inspection		
Fees v.1		09/28/2023 8:11	09/28/2023 8:11
Issue Invoice v.1	Generic Action		09/28/2023 8:11
Fees Paid v.1	Generic Action		09/28/2023 8:11
Lot Readiness Verification v.1		10/02/2023 8:05	
OSWP Septic Preliminary Site Visit v.1	Inspection	10/02/2023 8:05	10/02/2023 8:06
OSWP Site Evaluation v.1	Inspection		
Zoning Review v.1		09/18/2023 0:00	09/28/2023 11:19
Floodplain Admin Overview v.1	Task	09/18/2023 0:00	09/25/2023 13:40
Iredell County Zoning Approval v.1	Task	09/18/2023 9:23	09/28/2023 11:19
Issue Invoice v.1	Generic Action		09/25/2023 15:11
Fees Paid v.1	Generic Action		09/28/2023 11:19
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		

Notice

* Property subject to any easements and right of way on record, and all NCDOT easements and rights of way.

* This survey is subject to any facts that may be disclosed by a full and accurate title search.

* Area determined by coordinate computations.

* This survey plat does not show any unrecorded, written or unwritten easements, dedications or other encumbrances. Such burdens could exist on this property and not appear on this plat. Accordingly, users of this plat are warned to remain alert for the existence of such unrecorded burdens not shown hereon.

* This plat was drawn for the exclusive use of the party named hereon. Said certificates do not extend to any unnamed person without an express recertification by the surveyor naming said person.

* The Global Navigation Satellite System (GNSS) was used to perform to geospatial positioning accuracy standards, part 2 standards for geodetic networks at the 95% confidence accuracy classifiction (95% confidence) using real time kinematic.

I, Ted M Benbow, certify that this map was drawn under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey; and that this map meets the requirements The Standards of Practice for Land Surveying in North Carolina (21 NCAC 56.1600).

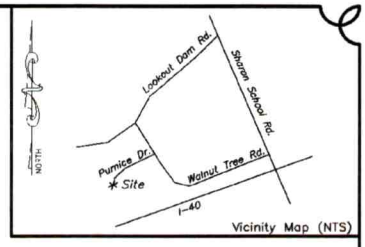
Class of Survey: CLASS A
Positional Accuracy: 0.07'
Type of GPS Field Procedure: RTK
Dates of Survey: 08/23/2023
Datum/Epoch: NAD83 (2011)
Published/Fixed-Control Use: VRS
GEOID Model: 2018
Combined Grid Factor: 0.99987495
Units: US Survey Feet

Witness this my original signature, registration number and seal this 15th day of September, 2023 A.D.

Ted M. Benbow NC PLS L-3175
Firm License # C-1588

NORTH CAROLINA PROFESSIONAL SEAL L-3175 LAND SURVEYOR TED M. BENBOW

Unless otherwise indicated, all distances shown are horizontal ground distances. To convert to grid distance, multiply the ground distance by the combined factor.



Vicinity Map (NTS)

RELATIVE TO NCGS GRID NAD83

Pumice Drive, 50' R/W
100' radius cul-de-sac
See PB 55 Pg. 81

Landscaped Island

1/2" EIR

S 64°19'15"E 78.52'

C1

N 74°25'59"W 311.47'

S 35°29'42"W 1154.16' total NTS

Proposed concrete drive

99.7'

S 11°42'22"E 193.73'

32.7'

41.7'

20'

4.5'

18.67'

37.67'

32.7'

Proposed home

38.67'

Proposed septic tank

(17)
New Direction IRA Inc. FBO
Kedmun C. Sitterley
Bk. 2350 Pg. 459

(16)
Area
2.27 acres

N 35°33'21"E 573.08' total
535.72'

Field located flood line as shown in PB 55 Pg. 81
Elevation: 779.00'
Zone AE
Zone X

(15)
Michelle D. Laprade
Bk. 2384 Pg. 1875

Proposed septic area

Proposed septic repair area

513.34'

S 35°33'00"W 523.05' total

IRS

Pier projection 37.36'

L6

L5

L4

L3

L2

L1

Proposed dock location & size

50' Vegetative Buffer as measured from the 760' contour.

Lake Norman

62'

IRS

Pier projection

can put septic here

Curve	Radius	Length	Chord	Chord Bear.
C1	100.00'	42.78'	42.45'	N 80°21'17" E

Course	Bearing	Distance
L1	N 39°04'19" W	43.14'
L2	N 47°33'08" W	72.88'
L3	N 12°35'43" E	14.91'
L4	N 22°38'59" W	28.83'
L5	N 04°42'28" W	18.58'
L6	S 63°28'47" W	16.25'
L7	N 38°26'16" W	8.70'

60 0 60 100 150
GRAPHIC SCALE - FEET

Subject property does lie within a WS-II Balance of Watershed.

Legend

CAPS ON MONUMENTS SET CONTAIN THE SURVEYORS NAME AND LICENSE NUMBER.
● EIP ..... EXISTING IRON PIPE AS SHOWN
● EIR ..... EXISTING IRON ROD AS SHOWN
× CP ..... COMPUTED POINT
○ IRS ..... 1/2" IRON ROD SET WITH YELLOW CAP
⊠ ..... POWER BOX
EP ..... EDGE OF PAVEMENT
R/W ..... RIGHT OF WAY
PIN ..... PARCEL IDENTIFICATION NUMBER
NTS ..... NOT TO SCALE
- - - - - LINE NOT SURVEYED
——— LINE SURVEYED
— · — 779' FLOOD LINE
——— 50' VEGETATIVE BUFFER

Flood Hazard Area Certificate

According to mapping provided by the Federal Emergency Management Agency and shown on the Digital Flood Insurance Rate Map (DFIRM) Panel 3783, Iredell County, North Carolina effective date: 03-18-2008, a portion of the property shown hereon is located within a special flood hazard area (Zone AE) as shown. The remaining property is entirely within an area designated "Zone X - other areas". Areas determined to be outside the 0.2% annual chance floodplain: areas outside future conditions 1% annual chance floodplain.

Zoning

ZONING: RA(Iredell County)
Building Setbacks
Front - 35'
Side - 15'
Rear - 35'

TED BENBOW Land Surveying
Proudly Surveying Iredell County
Since 1989
630 SIGNAL HILL DRIVE EXT., STATESVILLE, NC 28625
PHONE (704) 878-9661
www.boundarydevelopment.com

Boundary Survey & Site Plan For:

Donald York

Shiloh Township, Iredell County, NC
Owners of Record: Donald York
and wife,
Elizabeth Harris York
Deed Reference: Bk. 2817 Pg. 202
Plat Reference: PB 55 Pg. 81
PIN: 3783-32-9987
Job Number:2308259.DWG (2308259.CRD)
Field Work: 08-23-2023
Plat Date: 08-24-2023
Plat Revision Date: 09-01-2023 to show dock
Plat Revision Date: 09-14-2023 move house and septic tank location.
Plat Revision Date: 09-15-2023 move house and septic tank location.
Drawn By: TMM