ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # **AP** 2022-1163

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

PIN # 4723 -- 64 -- 5709

APPLICANT/OWNER: Justin Morgan APPLICANT ADDRESS: 171 Bostian Lake Rd, Statesville

SITE ADDRESS: 171 Bostian Lake Rd, Statesville 28625 PHONE: 319-520-5085 ALT. PHONE -

SITE DIRECTIONS: Buffalo Shoals - Bostian Lake SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Brittain Lumber Company SECTION: - LOT # 1 LOT AREA: 100 x 200 DESIGN FLOW: 240 gpd L.T.A.R.: 0.3

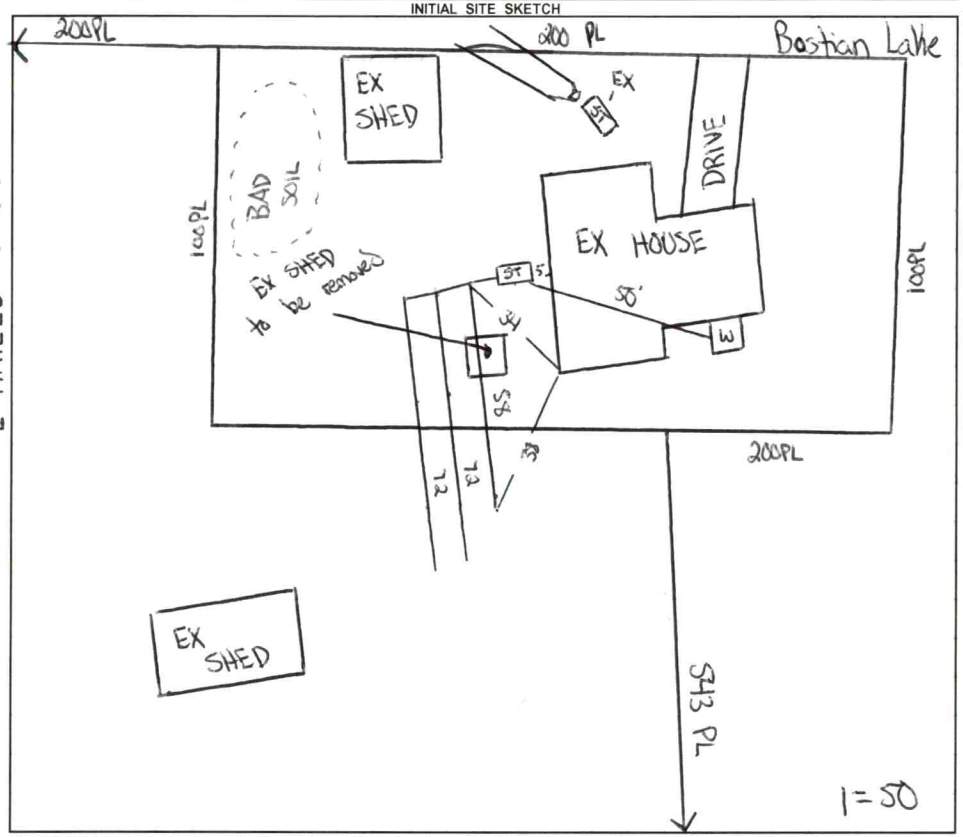
Septic Tank	1000 (gal)	STB	760	Date	7/15/22	☐ New System	☒ Repair	☐ Expansion	System Type: I II (III) IV V VI	☒ Residence	No. Bedrooms 2
Pump Tank	(gal)	PT		Date		System Description:				☐ Business	No. Persons 4
Pump Make		Model		Serial #		Repair System Description:	25% reduction			☐ Other	No. Employees
# Nitrification Fields	1	# Lines	3	Linear Ft	200'	Maintenance Agreement Required:	☐ YES	☒ NO		☐ Slab	☒ Crawl Space
Trench Width	36 in	Trench Bottom Depth(Low side)	30"	Gravel Depth	-		☒ GRAVITY	☐ PRESSURE		☐ Basement w/plumbing	☐ Basement w/o plumbing

Water Supply: ☒ Private ☐ Public ☐ Community

Comments / Conditions: Pump, crush, & fill old septic tank. Install on contour with the land. Utilize serial distribution.

Easement: BK 2942 PG 2011 - 2012

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 Drawn

E-MAILED AUG 2 9 2022

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: 8/29/22 Installed by: Lentz

IMPROVEMENT PERMIT by: Cary Whit Date: 8/23/22 OPERATION PERMIT by: Cary Whit Date: 9/16/22

AUTHORIZATION TO CONSTRUCT by: Cary Whit Date: 8/26/22 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 #: 4763645709
COUNTY: Iredell

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

OWNER: Justin Morgan
ADDRESS: 171 Bostian Lake Rd
PROPOSED FACILITY: 2 bd/s home
LOCATION OF SITE: 171 Bostian Lake Rd
PROPOSED DESIGN FLOW (.1949): 240 gpd
APPLICATION DATE
DATE EVALUATED: 8/19/22
PROPERTY SIZE: 100 x 200
PROPERTY RECORDED: yes

WATER SUPPLY: ☐ Private ☐ Public ☒ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☒ 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 10%	0 - 8	FILL		-	48	SAP CL	inc in layer	.3 PS
		8 - 26	C SBK	SS SP FR SE					
		26 - 48	CL SBK	SS SP FR SE					
2	Linear 9%	0 - 10	FILL		-	48	SAP CL	inc in layer	.3 PS
		10 - 28	C SBK	SS SP FR SE					
		28 - 48	CL SBK	SS SP FR SE					
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)		25%
Site LTAR		.3

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

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.

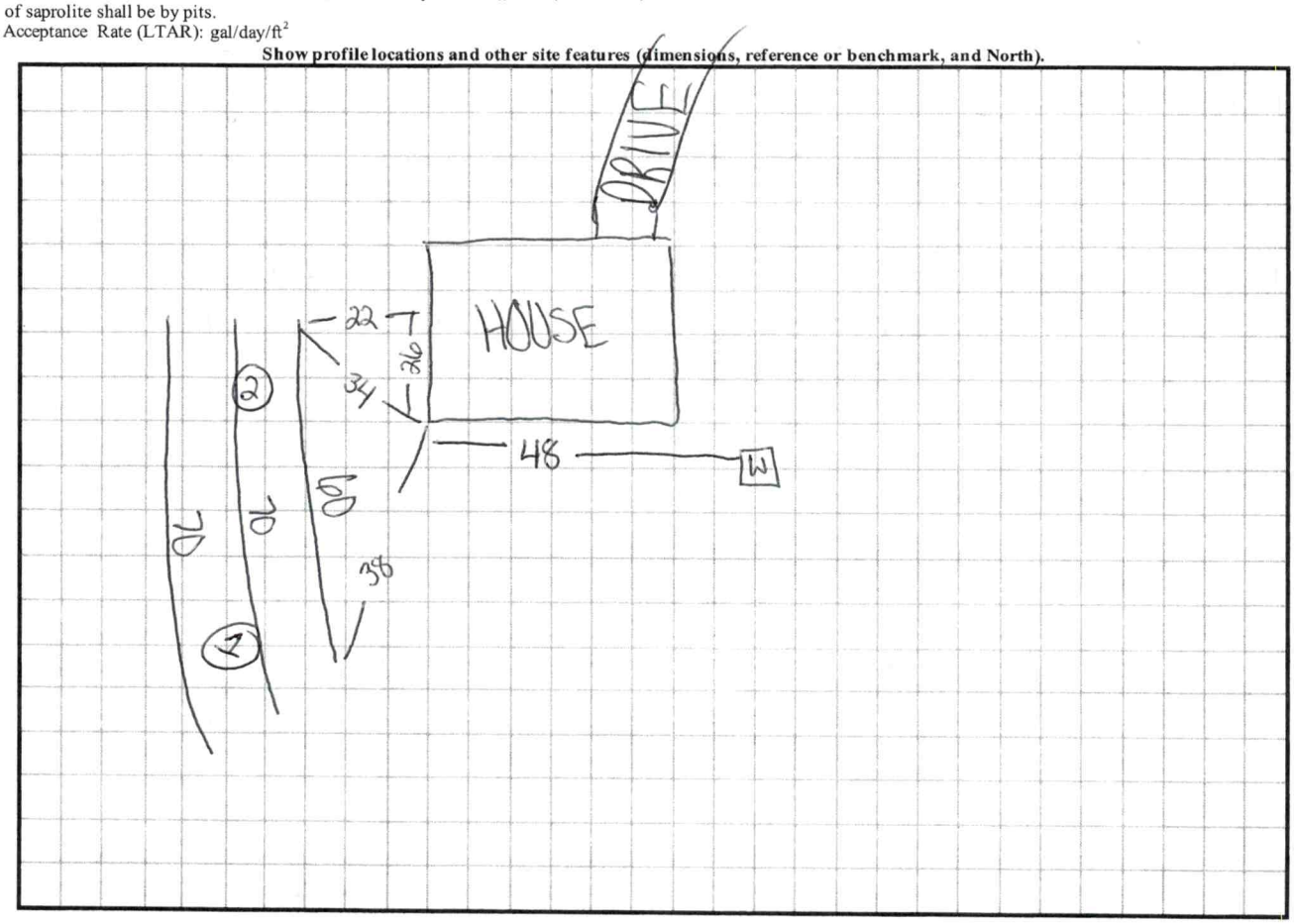
NOTES

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).



Type: CRP
Recorded: 08/23/2022 at 03:09:49 PM
Fee Amt: $26.00 Page 1 of 1
Revenue Tax: $0.00
Iredell County, NC
Maureen P. Purcell Register of Deeds
BK 2941 PG 1607

Blanket Easement

For 171 Bostian Lake Rd (parcel number 4723-64-5709.000) on the neighboring 4.770 acres (parcel number 4723-64-3478.000).

There is hereby created a blanket easement upon, across, over and under the Lot at parcel number 4723-64-3478.000 for the benefit of the adjacent Lot at 171 Bostian Lake Rd. for ingress, egress, installation, replacement, repair and maintenance of the septic leach field. By virtue of this easement, it shall be expressly permissible for the companies providing maintenance to erect and maintain the necessary equipment on the Lots and to maintain the leach field.

Justin Morgan
Owner: parcel number 4723-64-5709.000
Owner: parcel number 4723-64-3478.000

Christine Morgan
Owner: parcel number 4723-64-5709.000
Owner: parcel number 4723-64-3478.000

Iredell County, North Carolina
I certify that the following persons personally appeared before me on this day, each acknowledging to me that they signed the foregoing document: Justin Morgan and Christine Morgan.

Date: 08-23-2022

LISA FERGUSON MOORE
Notary Public
Iredell Co., North Carolina
My Commission Expires April 1, 2027

Lisa Ferguson Moore
Notary Public

R.O.T.C.

Page Count: