ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 (BB) Mooresville Office (704) 660-3625

PERMIT # AP 310238 OSWP-2023-17108

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

PIN # 4723 -- 60 -- 2772

APPLICANT/OWNER: RAFAEL ALCANTARA

APPLICANT ADDRESS: 127 COMET TRAIL, STATESVILLE, N.C. 28677

SITE ADDRESS: 1417 BUFFALO SHOALS ROAD, STATESVILLE, N.C. 28677

PHONE: 704-929-8015

ALT. PHONE —

SITE DIRECTIONS: (W) ON 70, (L) ON BUFFALO SHOALS, LOT ON (L)

SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: —

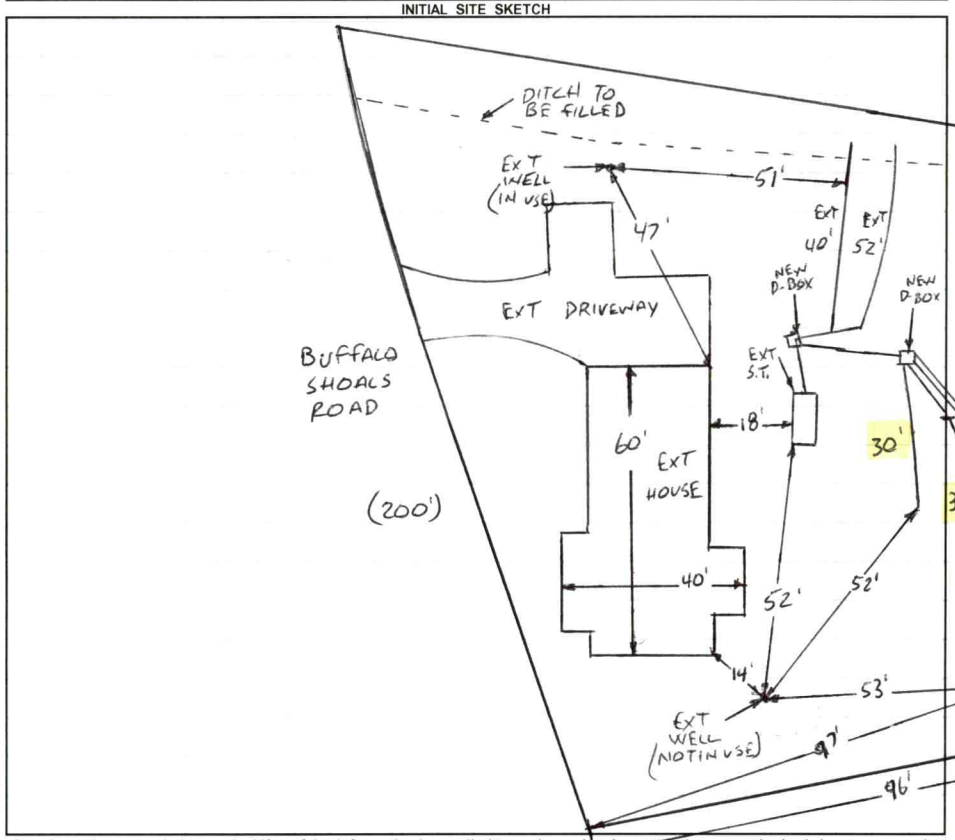
SECTION: — LOT # — LOT AREA: 0.867 AC

DESIGN FLOW: 360 GPD L.T.A.R.: 0.2

Septic Tank	EXT	(gal)	STB	EXT	Date	EXT	☐ New System	☐ Repair	☑ Expansion	System Type: I II (III) IV V VI	☑ Residence	No. Bedrooms	3	Water Supply
Pump Tank	—	(gal)	PT	—	Date	—	System Description:	EXT CONVENTIONAL + 50% REDUCTION (VERTICAL)			☐ Business	No. Persons	6	☑ Private EXISTING
Pump Make	—	Model	—		Serial #	—	Repair System Description:	50% REDUCTION			☐ Other	No. Employees	—	☐ Public
# Nitrification Fields	1	# Lines	EXT(2) + 4		Linear Ft	EXT(92) + 120	Maintenance Agreement Required:	☐ YES	☑ NO		☐ Slab	☑ Crawl Space		☐ Community
Trench Width	24 IN	Trench Bottom Depth(Low side)		42 IN	Gravel Depth	—		☑ GRAVITY	☐ PRESSURE		☐ Basement w/plumbing		☐ Basement w/o plumbing	

Comments / Conditions: INSTALL ON CONTOUR, INSTALL ON 9FT CENTERS, UTILIZE EQUAL DISTRIBUTION, DO NOT EXCEED A 48 IN MAX TRENCH DEPTH

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.

1 IN = 40 FT
S.T. = SEPTIC TANK
EXT = EXISTING

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: _____ Date: _____ Installed by: Kevin Bowles

IMPROVEMENT PERMIT by: Bryant C. White Date: 4-12-2023 OPERATION PERMIT by: Sydney Holland Date: 6/1/23

AUTHORIZATION TO CONSTRUCT by: _____ Date: _____ 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 #: 4723-60-2772
COUNTY: IREDELL

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

OWNER: RAFAEL ALCANTARA
ADDRESS: 127 COMET TRAIL, STATESVILLE, N.C. 28677 APPLICATION DATE 2-22-2023
PROPOSED FACILITY: 3BR PROPOSED DESIGN FLOW (.1949): 360GPD DATE EVALUATED: 3-7-2023
LOCATION OF SITE: 1417 BUFFALO SHOALS ROAD, STATESVILLE, N.C. 28677 PROPERTY SIZE: 0.867AC
WATER SUPPLY: ✓Private Public ✓Well Spring Other PROPERTY RECORDED: YES
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 SIDE 8%	0-6	SCL, SBK	FR, SS, SP, SEXP	Y/B MOTS 12"-28" SAP INC THRU OUT	60"+	NA	NA	PS .25
		6-36	C, ABK	FI, S, P, SEXP					
		~~48~~-60	CL/C WABK	FI, SS, SP, SEXP					
2	LINEAR SIDE 6%	0-8	~~SCL~~ FILL	MIXED	Y/B MOTS 11"-33" @ 2.5Y 6/2 @ 24" SAP INC THRU OUT	60"+	NA	NA	PS .2 DEEP
		8-39	C, ABK	FI, S, P, SEXP					
		39-60	CL/C WABK	FI, SS, SP, ~~SEXP~~					
3	FOOT 3%	0-40	FILL	MIXED	Y/B MOTS THRU OUT	60"+	NA	NA	✓ TILL FILL REMOVED
		40-60	C, ABK	FI, S, P, SEXP					
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	50%	50%
Site LTAR	0.2	0.2

OTHER FACTORS (.1946): PS
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Benjamin C. White
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) 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.

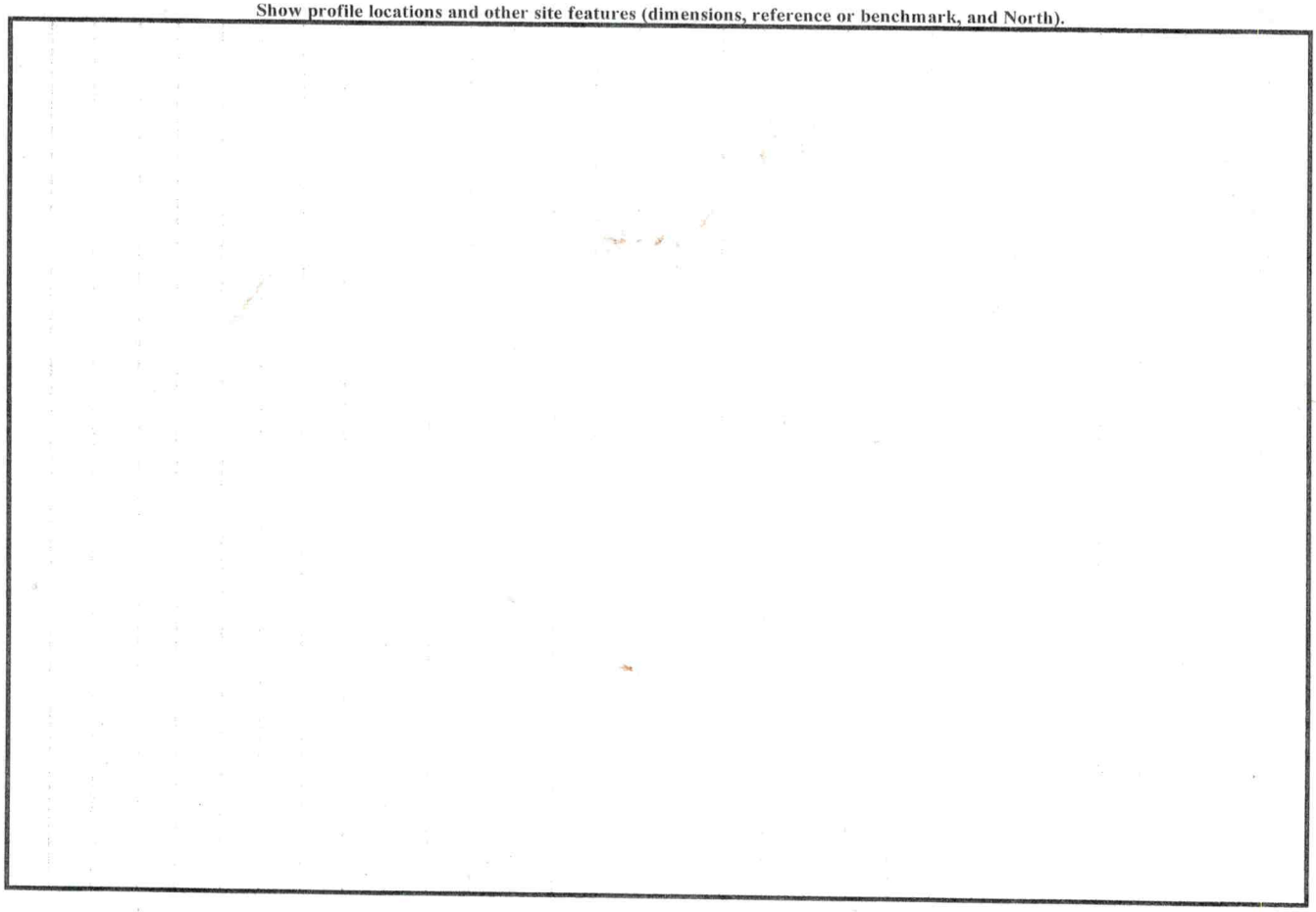
NOTES

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)

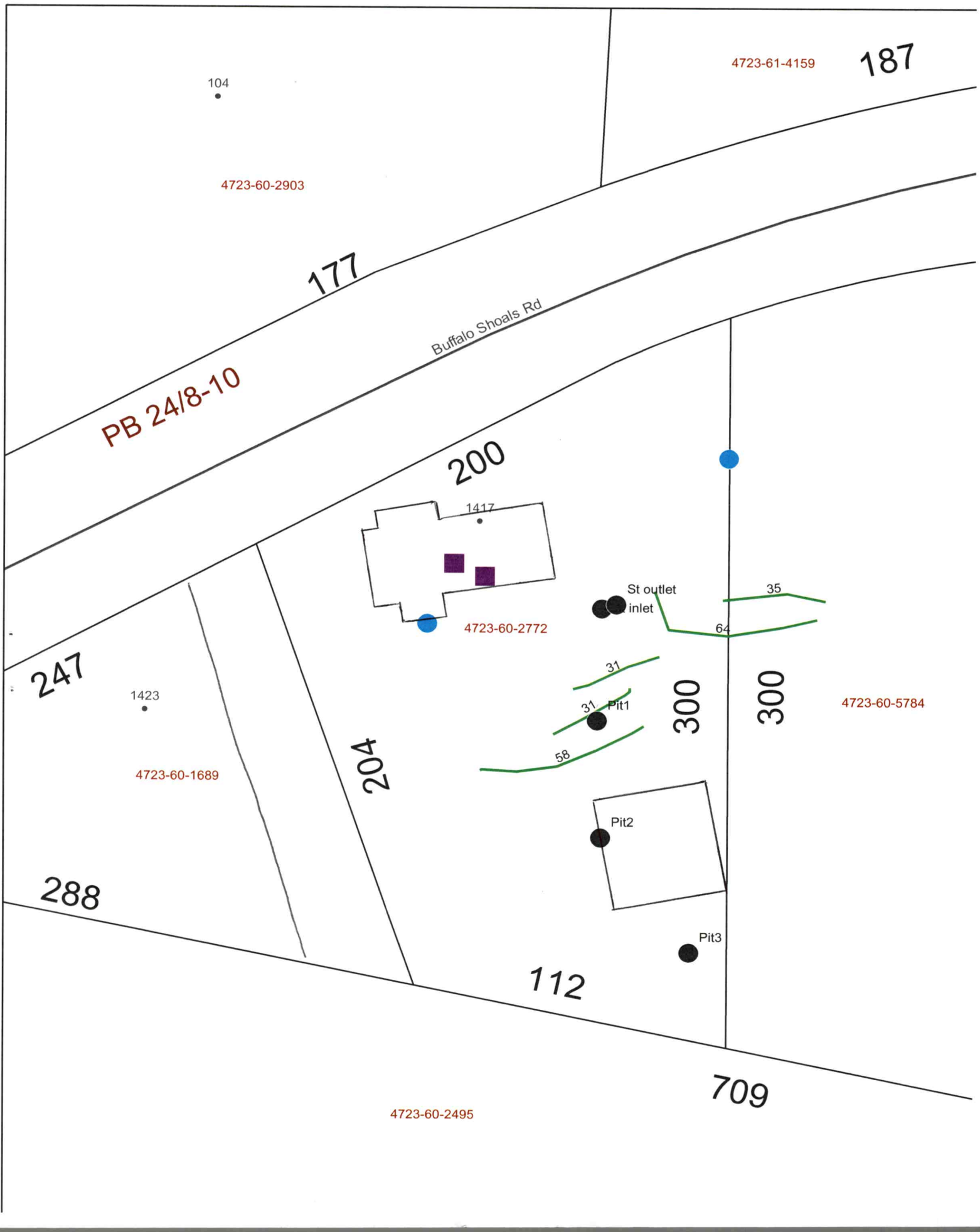
Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft^2

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



1417 Buffalo Shoals Road
EXISTING
house
ADDITION
Bed Room #1
13'X15'
Ceiling Fan
Dining
Chandelier
15'X13'
-5' Doorway
11'X15'
Kitchen
Ceiling Fan
Bed Room #3
12'X11'
Closet
Bed Room #2
13'X13'
Closet


4723-61-4159
187
104
4723-60-2903
177
Buffalo Shoals Rd
PB 24/8-10
200
1417
St outlet
inlet
35
64
4723-60-2772
247
1423
31
31
Pit1
300
300
4723-60-5784
58
204
4723-60-1689
Pit2
288
Pit3
112
709
4723-60-2495



Tax Map Information

• PIN	4723602772.000
• Address	1417 BUFFALO SHOALS RD
• Account #	Acct 80068136
• Tax Owner	ALCANTARA RAFAEL
• Mailing Address	127 COMET TRL
•	STATESVILLE, NC 28677
• GIS Owner	ALCANTARA RAFAEL+REYNA M
• Deed Info	2667 / 1460 - WD - 20191227
• Tax Acres	0.867 AC
• Lot #	
• Description	RUMPLE SR1004
• Zoning	R20
• Old Parcel #	
• Bldg Value	$185,430
• OBXF Value	$7,110
• Land Value	$42,410
• Total Value	$234,950
• Defer Value	$0
• Tax Districts	-ALLCNTY FIRE- -

IREDELL COUNTY, NC

MAP FOR REFERENCE ONLY
NOT A LEGAL DOCUMENT

Iredell County, North Carolina makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated 03/31/2023
Data updated 03/31/2023

Print map scale is approximate. Critical layout or measurement activities should not be done using this resource.

PERMIT SNAPSHOT REPORT OSWP-2023-17108 FOR IREDELL COUNTY

Permit Type: Environmental Health OSWP
Work Class: EH Septic Expansion Improvement Permit
Status: In Progress
Valuation: $0.00

Project:
District: Iredell County
Square Feet: 0.00
Assigned To: White, Bryant

App Date: 02/22/2023
Exp Date: NOT AVAILABLE
Completed: NOT COMPLETED
Approval Expire Date:

Description: EXPANSION FOR existing additions: Added bedroom, bathroom living room and dining room area

Parcel: 4723602772.000 Main

Address: 1417 Buffalo Shoals Rd Main
Statesville, NC 28677

Zone: R-20(Suburban Residential District)

Applicant/Authorized Agent
Rafael Alcantara
1417 Buffalo shoals road
Statesville, NC 28677
Mobile: (704) 929-8015

Property Owner
RAFAEL+REYNA M
ALCANTARA
127 COMET TRAIL
STATESVILLE, NC 28677

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Does the site contain any jurisdictional wetlands	No	Non-domestic Sewage Generated	No
Other Public Agency	No	All proposed structure dimensions	24'x30'	What are the proposed structures	Bedroom(s) Addition
If other Addition/Structure, please explain	Existing bedroom - see AP-310238 (used waiver).	Maximum Number of Bedrooms	3	Number of Occupants	6
Foundation Type	Crawl Space Foundation	Residential/Business/Other	Residential	Number of Employees	0
Total number of seats	0	Water Supply	Existing Well	Desired Septic System Type	Conventional (most common)
If other septic system type, please explain		If existing, Year existing system installed	1952	Additional Unique Setbacks Apply	No

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Rafael_Alcantara_2/22/2023.jpg	02/22/2023 10:10	Alcantara , Rafael		Uploaded via CSS
STVEHSCANNER_20230222_095922_044652.pdf	02/22/2023 10:14	Hart, Ronda	Available Online	AA
STVEHSCANNER_20230222_095922_044653.pdf	02/22/2023 10:14	Hart, Ronda	Available Online	Site Plan
STVEHSCANNER_20230222_095922_044654.pdf	02/22/2023 10:14	Hart, Ronda	Available Online	Septic Record

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2023-66412	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	02/27/2023	02/27/2023 0:00	02/27/2023 0:00	02/27/2023 7:01	02/27/2023 7:01

Inspectors: Holland, Sydney (Primary)

Checklist Item	Description	Passed	Comments
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. 2/23--applicant to find irons at PCs and flag PLs. Will call when ready--no HB as additions already existing.	Teanna Kobuck	02/23/2023 11:21

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00009594	New Gravity System	$500.00	$500.00
	Total for Invoice INV-00009594	$500.00	$500.00
	Grand Total for Permit	**$500.00**	**$500.00**

PERMIT SNAPSHOT REPORT (OSWP-2023-17108)

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		02/22/2023 10:15	02/22/2023 10:15
Confirm application complete v.1	Generic Action		02/22/2023 10:15
~~**Zoning Review v.1**~~			02/22/2023 10:15
~~Iredell County Zoning Approval v.1~~	Task		02/22/2023 10:15
~~Issue Invoice v.1~~	Generic Action		02/22/2023 10:15
~~Fees Paid v.1~~	Generic Action		02/22/2023 10:15
Fees v.1		02/22/2023 10:16	02/23/2023 8:14
Issue Invoice v.1	Generic Action		02/22/2023 10:16
Fees Paid v.1	Generic Action		02/23/2023 8:14
Lot Readiness Verification v.1		02/28/2023 7:01	
OSWP Septic Preliminary Site Visit v.1	Inspection	02/28/2023 7:01	02/28/2023 7:02
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		

PERMIT SNAPSHOT REPORT OSWP-2023-17108 FOR IREDELL COUNTY

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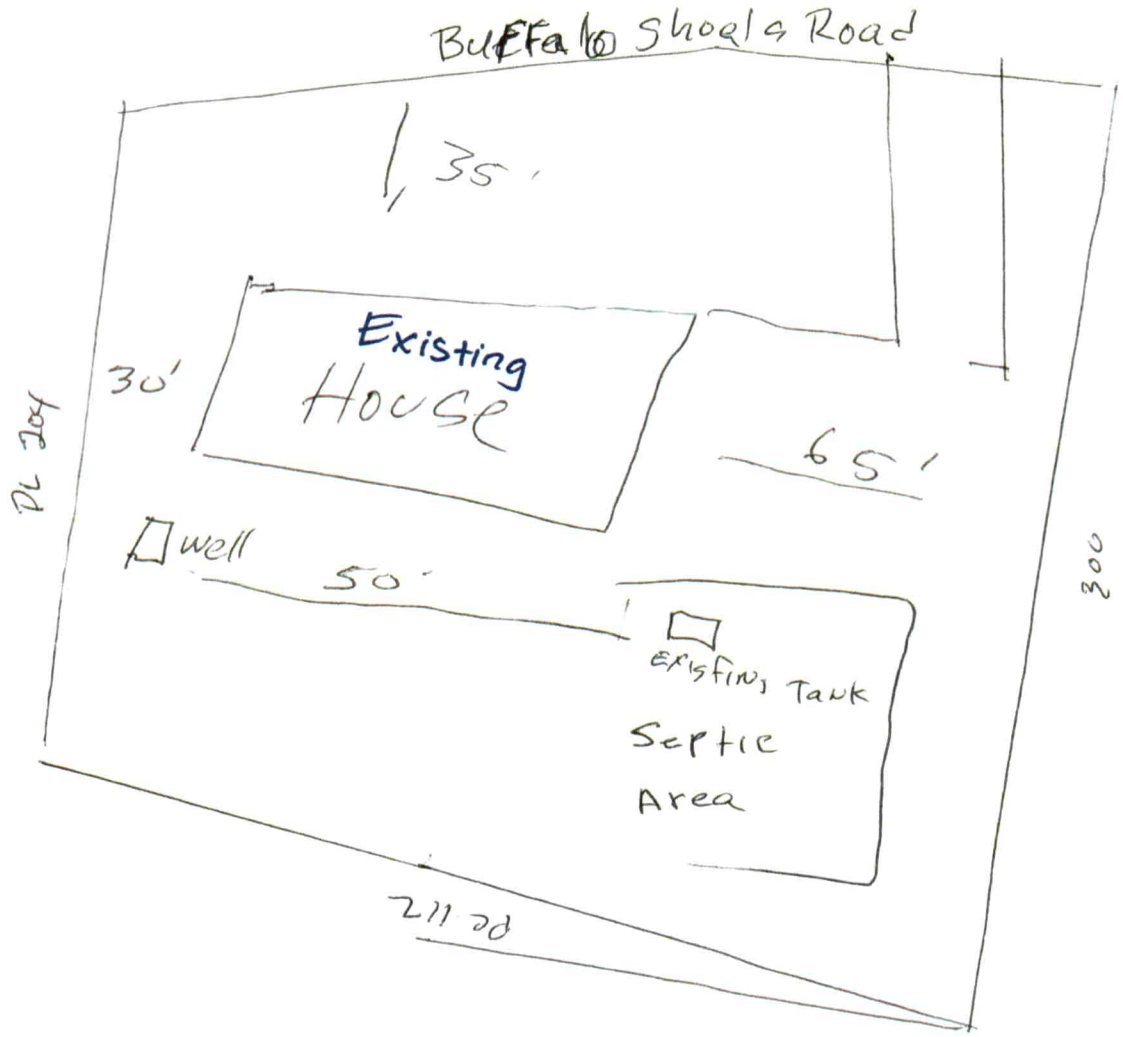
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OSWP Site Evaluation v.1	Inspection		
Issue Improvement Permit v.1			
Issue Invoice v.1	Generic Action		
Fees Paid v.1	Generic Action		
Issue Permit v.1	Generic Action		
Permit Completion Process v.1			
Authorization to Construct Permit v.1	Create Sub Permit		
Issue Authorization to Construct v.1	Generic Action		


Buffalo Shoals Road
135'
Existing
House
30'
65'
well
50'
existing Tank
Septic
Area
300
211 20
PL 104

IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 303797

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

PIN # 4723602772

APPLICANT/OWNER: Rafael Alcantara APPLICANT ADDRESS: 1417 Buffalo Shoals Statesville NC 28677

SITE ADDRESS: 1417 Buffalo Shoals Rd Statesville NC 28677 PHONE: 704 929-8015 ALT. PHONE 704-299-8015

SITE DIRECTIONS: Buffalo Shoals toward Old MtN Road House on L 1 mile before old MtN

SUBDIVISION: ✓ - SECTION: - LOT # - LOT AREA: 0.86 WELL CONTROLLED: ☐ YES ☐ NO

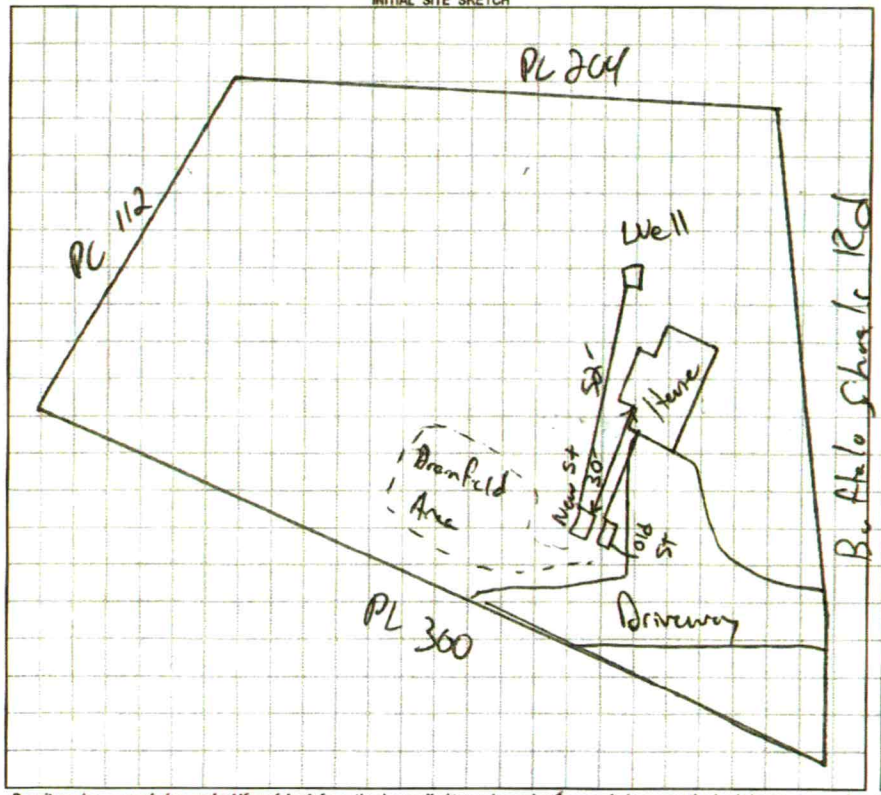
DESIGN FLOW: Existing L.T.A.R.: Existing

Septic Tank	1000	(gal)	STB	760	Date	11-5	☐ New System	☒ Repair	☐ Expansion	System Type: I	II	III	IV	V	VI	☒ Residence	No. Bedrooms	Ex	Water Supply
Pump Tank		(gal)	PT		Date		System Description:									☐ Business	No. Persons	Ex	☒ Private
Pump Make			Model		Serial #		Repair System Description:	Tank								☐ Other	No. Employees		☐ Public
# Nitrification Fields	1		# Lines	5	Linear Ft	150	Maintenance Agreement Required:	☐ YES	☒ NO							☐ Slab	☒ Crawl Space		☐ Community
Trench Width	24		Trench Bottom Depth(Low side)				Gravel Depth		☒ GRAVITY	☐ PRESSURE						☐ Basement w/plumbing		☐ Basement w/o plumbing	

Comments / Conditions: Pump Crushed fill old tank. Inspect D Box and replace if needed. Tank must be placed 30' off house to maintain 50' from well.

50' From well.

INITIAL SITE SKETCH



AS BUILT SKETCH

1"=50'

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: Jordan Farrell Date: 1-6-20 Installed by: Lentz Wastewater

IMPROVEMENT PERMIT by: Date: 1-6-20 OPERATION PERMIT by: Benjamin A Botkins Date: 1-16-2020

AUTHORIZATION TO CONSTRUCT by: Date: 1-6-20 Existing System Inspected by: Date:

FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-9am the day the inspection is needed. Be sure to speak with an inpsector to confirm your inspection time.