CW 3:30 B/D# 2022-5946

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # OSWP-2022-5950

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

PIN # 4786 -- 04 -- 3425

APPLICANT/OWNER: EDWARD K BOAN APPLICANT ADDRESS: 241 FIFTH CREEK ROAD, STATESVILLE, N.C. 28625

SITE ADDRESS: 241 FIFTH CREEK ROAD, STATESVILLE, N.C. 28625 ✓ PHONE: 704-771-6319 ALT. PHONE —

SITE DIRECTIONS: (E) ON 64, (L) ON FIFTH CREEK, LOT ON (L) SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: BOAN ACRES ✓ SECTION: — LOT # 4+5 ✓ LOT AREA: 5.75 AC DESIGN FLOW: 360 GPD L.T.A.R.: 0.275 (0.25) REPAIR

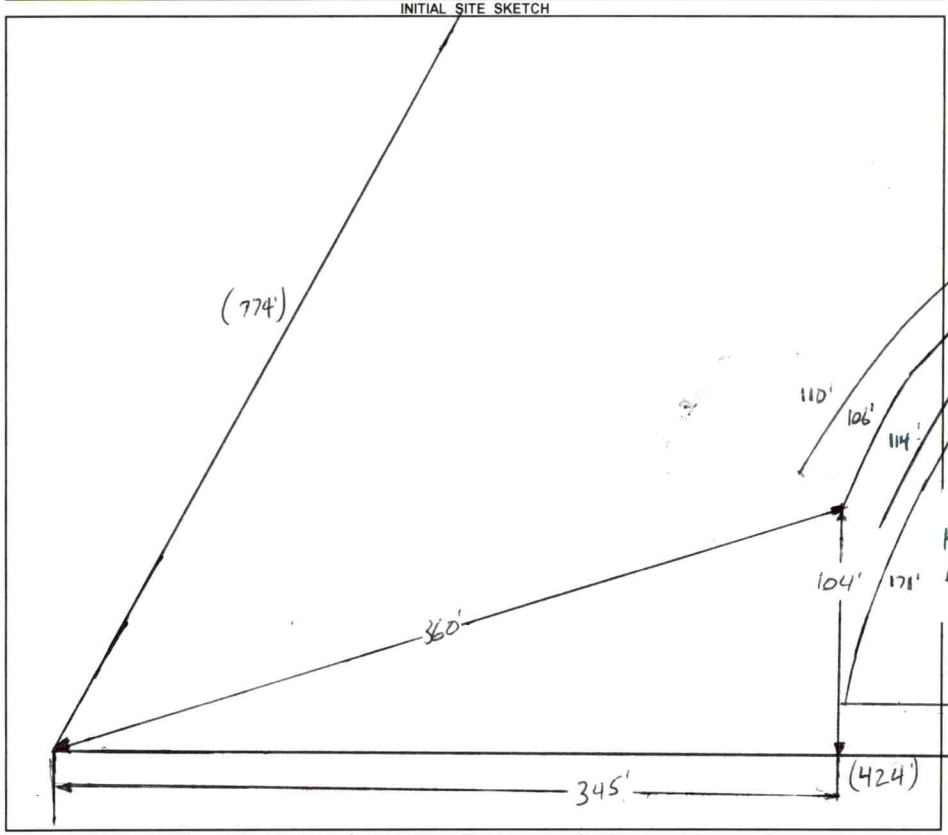
Septic Tank	1000	(gal)	STB	760	Date	1-5-23	☑ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI	
Pump Tank	—	(gal)	PT	—	Date	—	System Description:			25% REDUCTION	
Pump Make	—	Model		—	Serial #	—	Repair System Description:			25% REDUCTION	
# Nitrification Fields	1	# Lines		3	Linear Ft	330 FT	Maintenance Agreement Required:	☐ YES	☑ NO		
Trench Width	36 IN	Trench Bottom Depth(Low side)		24 IN	Gravel Depth	—		☑ GRAVITY	☐ PRESSURE		

☑ Residence	No. Bedrooms	3	Water Supply
☐ Business	No. Persons	6	☐ Private
☐ Other	No. Employees	—	☑ Public
☑ Slab	☐ Crawl Space		☐ Community
☐ Basement w/ plumbing			☐ Basement w/o plumbing

Comments / Conditions: INSTALL ON CONTOUR, INSTALL ON 9FT CENTERS, UTILIZE SERIAL DISTRIBUTION, DO NOT EXCEED A 32IN MAX TRENCH DEPTH. ~~PROPERTY MUST BE RECORDED PRIOR TO A/C~~

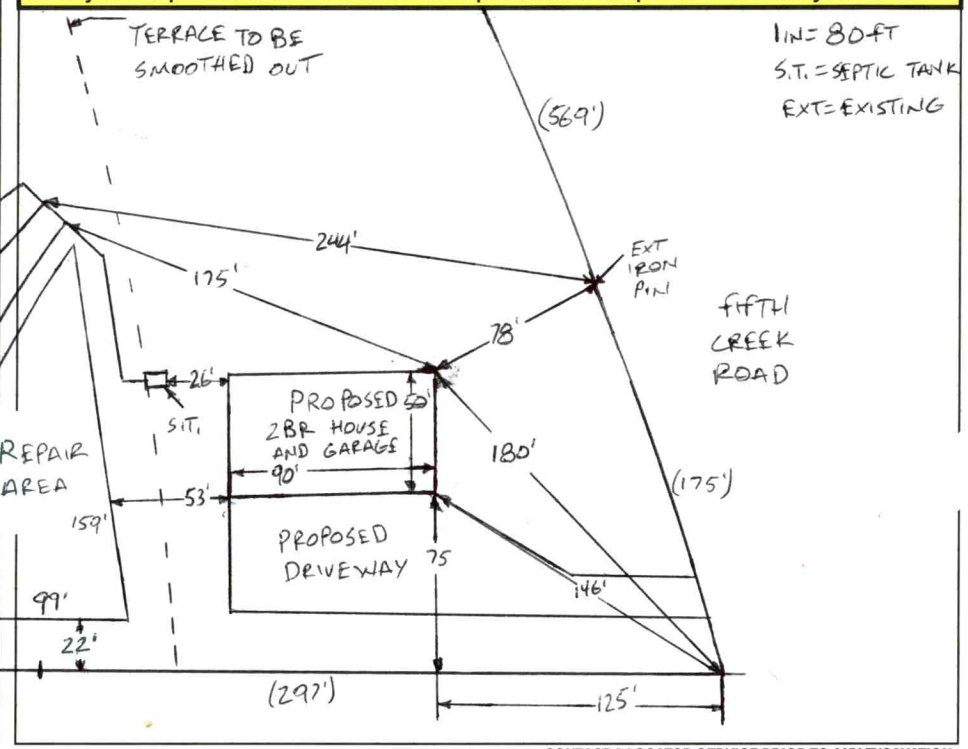
3BR SYSTEM TO BE PUT IN BK 2973 PG 1491-1493. - Lots Combined

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.



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: Edwin C Boan Date: 2-10-2023 Installed by: Shannon Cashburn

IMPROVEMENT PERMIT by: Bryant C. White Date: 1-13-2022 OPERATION PERMIT by: Bryant C. White Date: 11-02-23

AUTHORIZATION TO CONSTRUCT by: Bryant C. White Date: 1-27-2023 Existing System Inspected by: Date:

EAR

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

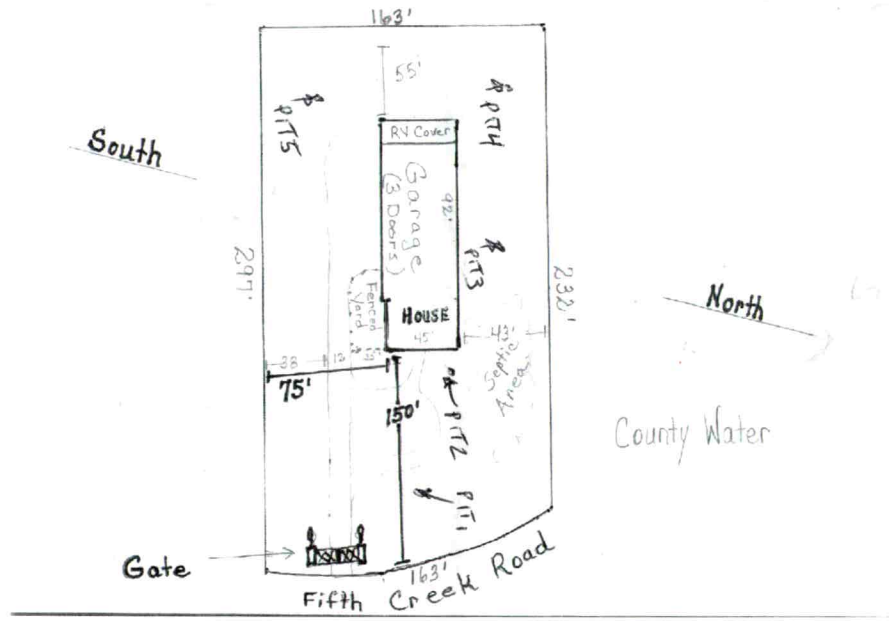
Item	Date	Initials
Drain Lines Checked		
Tanks Checked		
Pressure Manifold or Valve Box Checked		
Pressure Head Set		
Electrical Checked		
Floats Set		
Alarm Checked		
Maintenance Contract Needed? Y / N		
Comments:		

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? _____	

MIXED PIT 1 MINERAL	LINEAR SIDE 5%	0-18 18-22 22-32 32+	C, ABK FR, S, P, SEXP CC, ABK fl, SS, SP, SEXP SAP, RC vfl, NS, NP, SEXP BHR ROCK	SAP INC THRU OUT MANY VFI V/B MOTS 18"+	22"	U II SL vfl	ROCK 32"	PS .1 DRIP		
MIXED PIT MINERAL 2	LINEAR SIDE 5%	0-~~22~~ ~~22~~22-45 45+	C, ABK ~~fl~~ SS, P, SEXP SAP, RC vfl, S, P, SEXP BHR ROCK	VFI SAP INC THRU OUT V/B THRU OUT 10YR 6/2 @ 19"	22"	U II SL vfl	WET 19" ROCK 45"	PS .1 DRIP		
PIT 3	LINEAR SIDE 7%	0-24 24-48 48-60	C, 1ST ABK FR, S, P, SEXP CC, ABL, fl, SS, SP, SEXP SAP, RC, fl, NS, NP, SEXP	VFI SAP INC THRU OUT V/B 0'-20" 10YR 6/2 @ 19"	48"	PS II SL	PS .25 BELOW 18"			
PIT 4	LINEAR SIDE 7%	0-30 30-48 48"+	C, ABK FR, S, P, SEXP SAP, RC fl, NS, NP, SEXP BHR, ROCK	FEW V/B THRU OUT fl SAP	30"	PS II SL fl	PS .25 ABOVE 30"			
PIT 5	LINEAR SIDE 3%	0-30 30-42 42-62	C, ABK FR, S, P, SEXP CC, ABK fl, SS, SP, SEXP SAP, RC fl, NS, NP, SEXP	V/B MOTS THRU OUT ~~SAP~~ INC THRU OUT	42"	PS II SL fl	PS .25 ABOVE 42"			

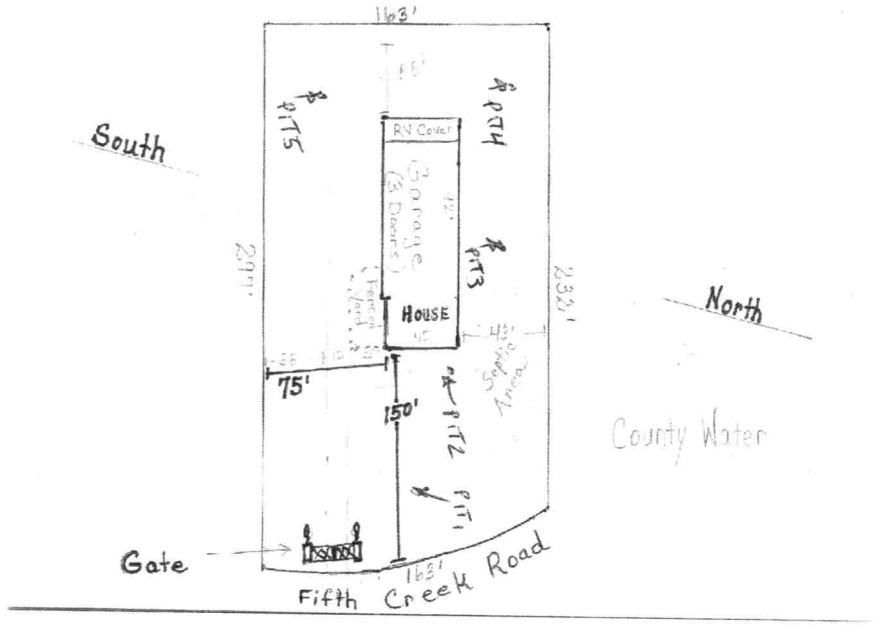
Site Plan

See: Plat Book 77 Page 149



Site Plan

See: Plat Book 77 Page 149



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

Sheet 2 of 2
PROPERTY ID #: TBD
COUNTY: IREDELL

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

OWNER: ED BOAN
ADDRESS: 241 FIFTH CREEK ROAD, STATESVILLE, N.C. 28625
PROPOSED FACILITY: 2BR
PROPOSED DESIGN FLOW (.1949): 240GPD
LOCATION OF SITE: 241 FIFTH CREEK ROAD, STATESVILLE, N.C. 28625
APPLICATION DATE: 10-3-2022
DATE EVALUATED: 11-2-2022 & 11-16-2022
PROPERTY SIZE: TBD
PROPERTY RECORDED: NO
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	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1 6	TERRACE 6%	0-17	FILL,	MIXED	FEW Y/B MOTS FI SAP INC THRUOUT	42"	U ~~Fl~~ SL ~~FI~~	ROCK 54"	U TILL FILL REMOVED
		17-33	C, ABK	FR, S, P, SEXP					
		33-42	CL, WABK	FI, SS, SP, SEXP					
		42-54	SAP, RC	~~FI~~ FI, NS, NP, SEXP					
		54"+	B HR	ROCK					
2 7	LINEAR SIDE 9%	0-12	SCL, SBK	FR, SS, SP, SEXP	FEW Y/B MOTS FEW FI SAP INC THRV OUT	44"+	~~PS~~ TT SL FI	ROCK 60"	PS .275
		12-26	C, ABK	FR, ~~S, P~~, SEXP					
		26-44	CL WABK	FI, SS, SP, SEXP					
		44-60	SAP, RC	FI, NS, NP, SEXP					
		60"+	B HR	ROCK					
~~3~~ 8	LINEAR SIDE 10%	0-4	SCL, SBK	FR, SS, SP, SEXP	FEW Y/B MOT FEW FI SAP THRU OUT	60"+	NA	NA	PS .275
		4-38	C, ABK	FR, S, P, SEXP					
		38-60	CL WABK	FI, SS, SP, SEXP					
4 9	LINEAR SIDE 12%	0-10	SCL, SBK	FR, SS, SP, SEXP	FEW Y/B MOTS FEW FI SAP THRU OUT	60"+	NA	NA	PS .275
		10-40	C, ABK	FR, S, P, SEXP					
		40-60	CL WABK	FI, SS, SP, SEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	25%	25%
Site LTAR	0.275	0.25

OTHER FACTORS (.1946): PS
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Bryant 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)	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.

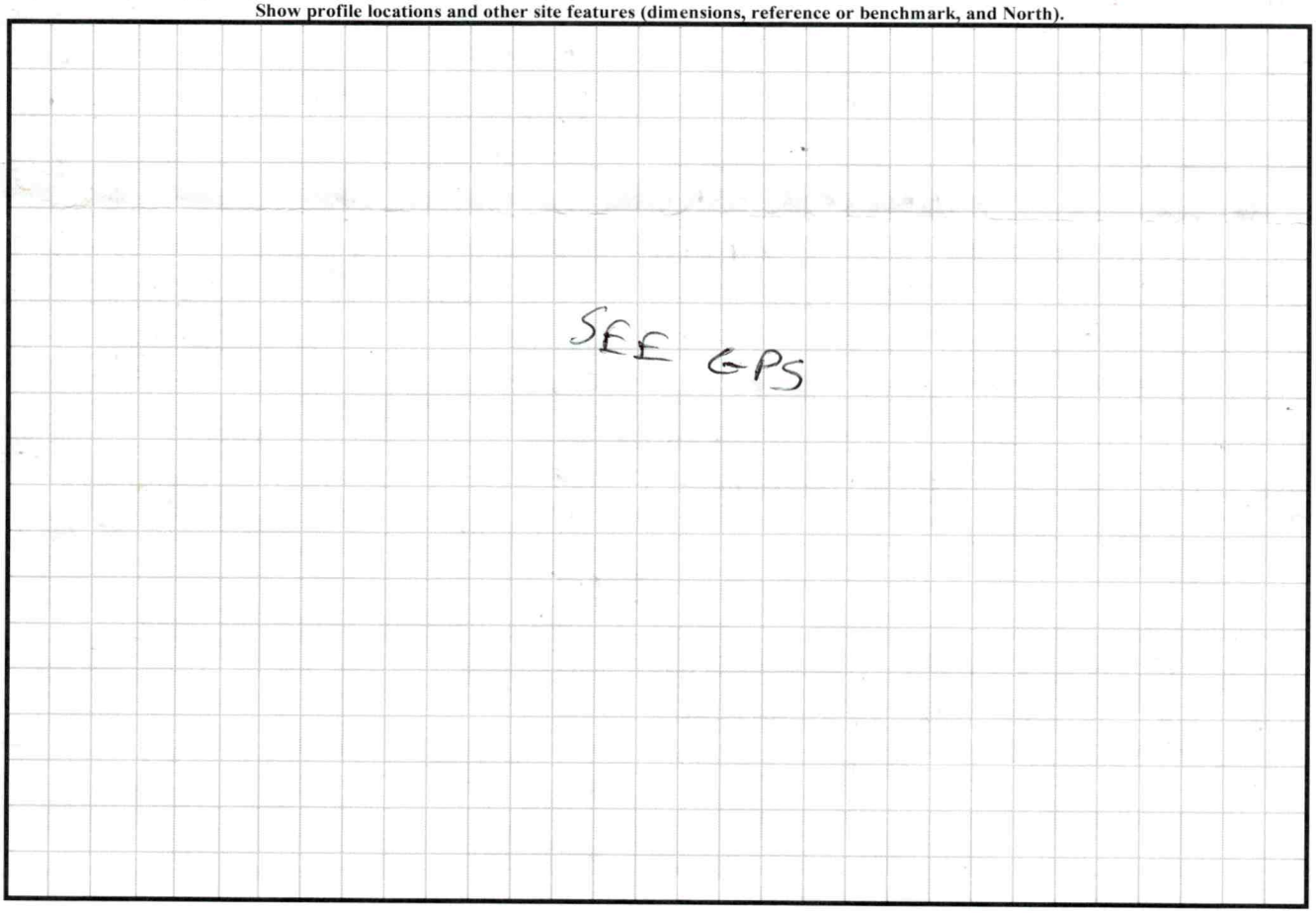
NOTES

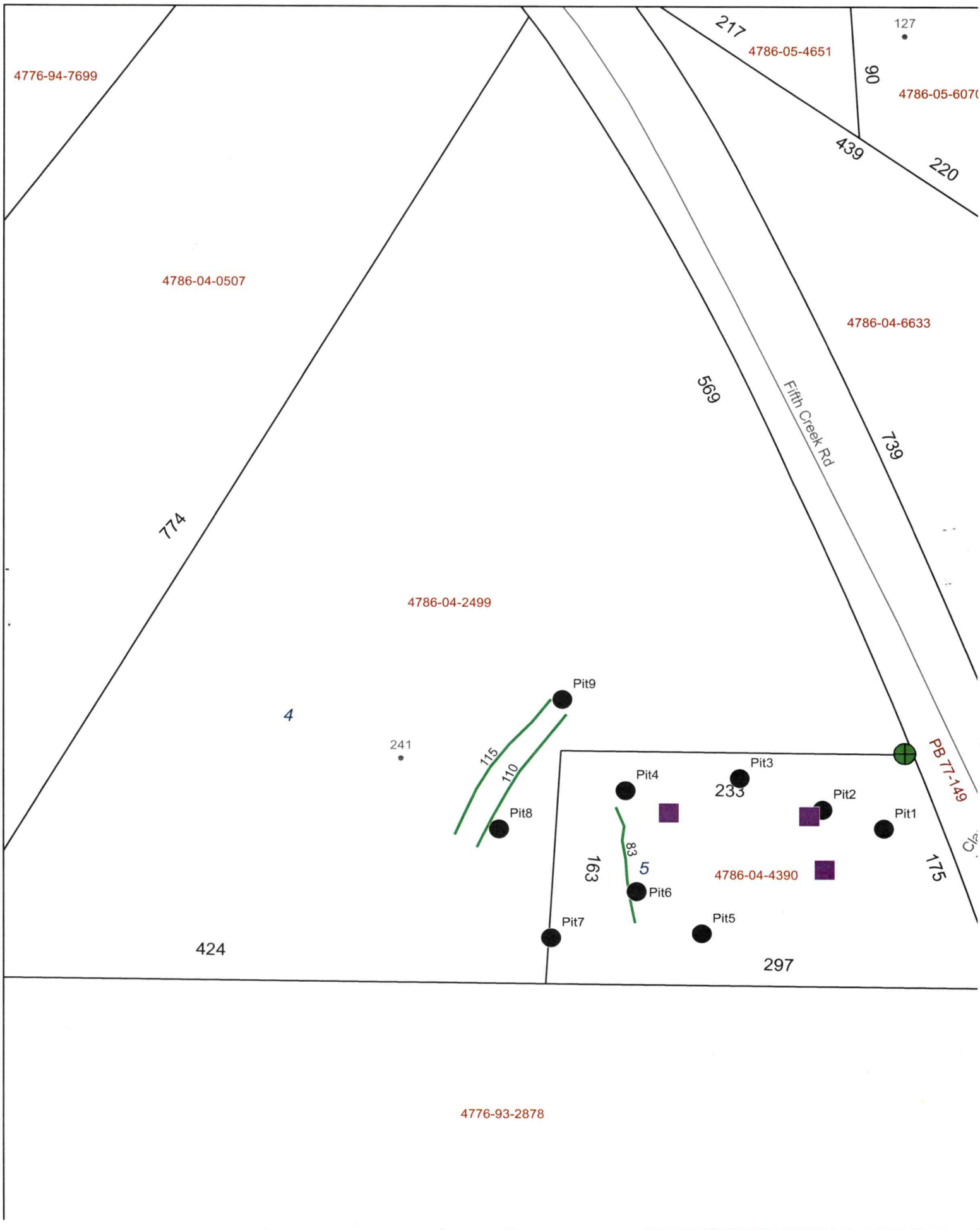
HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or 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).




4776-94-7699
4786-04-0507
4786-04-2499
4776-93-2878
4786-05-4651
4786-05-607(
4786-04-6633
4786-04-4390
217
127
90
439
220
569
739
774
424
297
233
163
175
83
115
110
241
4
5
Fifth Creek Rd
PB 77-149
Pit1
Pit2
Pit3
Pit4
Pit5
Pit6
Pit7
Pit8
Pit9

PERMIT SNAPSHOT REPORT OSWP-2022-5950
FOR IREDELL COUNTY

Permit Type: Environmental Health OSWP
Work Class: EH Septic Improvement Permit
Status: Zoning Approved
Valuation: $0.00
Description: new septic for new construction****BLDR-2022-5946

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

App Date: 10/03/2022
Exp Date: NOT AVAILABLE
Completed: NOT COMPLETED
Approval Expire Date:

Parcel: 4786042499.000 Main	**Address:** 241 Fifth Creek Rd Statesville, NC 28625 Main	**Zone:** RA(Residential Agricultural District)

Applicant/Authorized Agent
Edward K Boan
241 Fifth Creek Road
Statesville, NC 28625

Property Owner
EDWARD K+ROBIN C BOAN

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	45x92	What are the proposed structures	New Single Family Residence
If other Addition/Structure, please explain		Maximum Number of Bedrooms	2	Number of Occupants	4
Foundation Type	Concrete Slab Foundation	Water Supply	Other Public Water	Desired Septic System Type	Conventional (most common)
If other septic system type, please explain		Has this project been approved by TRC	No	Lot Acreage	4.754
Front Setback	35	Back Setback	35	Left Setback	15
Right Setback	15	Zoning Permit Issued Date	Oct 7 2022 12:00AM	Zoning Permit Expiration Date	Apr 5 2023 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
Additional Unique Setbacks Apply	No	Watershed	NOT IN A WATERSHED		

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Edward_Boan_10/3/2022.jpg	10/03/2022 14:31	Boan, Edward		Uploaded via CSS
241 Fifth Creek Rd owner auth EH_v1.pdf	10/07/2022 15:42	Nebel, Barbara	Available Online	Authorize to Act as Agent
241 Fifth Creek Rd Site plan_v1.pdf	10/07/2022 15:42	Nebel, Barbara	Available Online	Site Plan

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00003300	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-00003300	$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		10/07/2022 0:00	10/07/2022 15:46
Confirm application complete v.1	Generic Action		10/07/2022 15:46
Fees v.1		10/07/2022 0:00	10/12/2022 13:42
Issue Invoice v.1	Generic Action		10/07/2022 16:22
Fees Paid v.1	Generic Action		10/12/2022 13:42
Zoning Review v.1		10/05/2022 0:00	10/18/2022 12:22
Iredell County Zoning Approval v.1	Task	10/05/2022 0:00	10/18/2022 12:22
Issue Invoice v.1	Generic Action		10/07/2022 16:22

PERMIT SNAPSHOT REPORT (OSWP-2022-5950)

Fees Paid v.1	Generic Action	10/12/2022 13:42
Lot Readiness Verification v.1		
OSWP Septic Preliminary Site Visit v.1	Inspection	
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	

241 Fifth Creek Rd.

Public Health
Prevent. Promote. Protect
Iredell County Health Department

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

Public Health
Prevent. Promote. Protect
Iredell County Health Department

DOCUMENTATION TO AUTHORIZE AN OWNER'S LEGAL REPRESENTATIVE

(Check and sign only ONE of the options below)

☐ **1. * APPLICANT AND OWNER ARE THE SAME. *** (*Sign here*) _____

Applications for permits require the "signature of the owner or owner's legal representative" (15A NCAC 18A .1937). If the owner does not sign the application himself or herself, they can submit any one of the following documents to designate their legal representative: *Power of Attorney; Real Estate Contract; Estate executor; Bankruptcy trustee; Court ordered guardianship*
In the absence of the above documentation, the property owner may provide the local health department with documentation that designates a legal representative. A property owner may:
Complete this form to document his or her legal representative, or provide his or her own form that contains the information in this form. If there are multiple property owners, then all property owners must sign the form that designates a legal representative.
By signing a form that designates a legal representative for purposes of 15A NCAC 18A .1937, the property owner authorizes that representative to act on their behalf in matters pertaining to the application and permitting process, including signing or receiving any application, document or permit. The owner retains full responsibility to meet all permit conditions specified by the local health department.

☐ **2.** I, _____, am the legal owner(s) of the property located at _____, identified as PIN (Parcel Identification Number) 4786042499, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) _____, _____, to act as an agent on my behalf in applying for/signing/obtaining any of the documents described below.

- Application for Improvement Permit (IP) / Authorization to Construct (AC)
- Improvement Permit (IP) / Authorization to Construct (AC)
- Application for soil-site evaluation (new/repair)
- Application/permit for private drinking water well/well abandonment
- Application for Compliance Inspection

I agree to abide by all decisions and/or conditions between the legal representative acting on my behalf and the Iredell County Department of Public Health, Environmental Health Division.

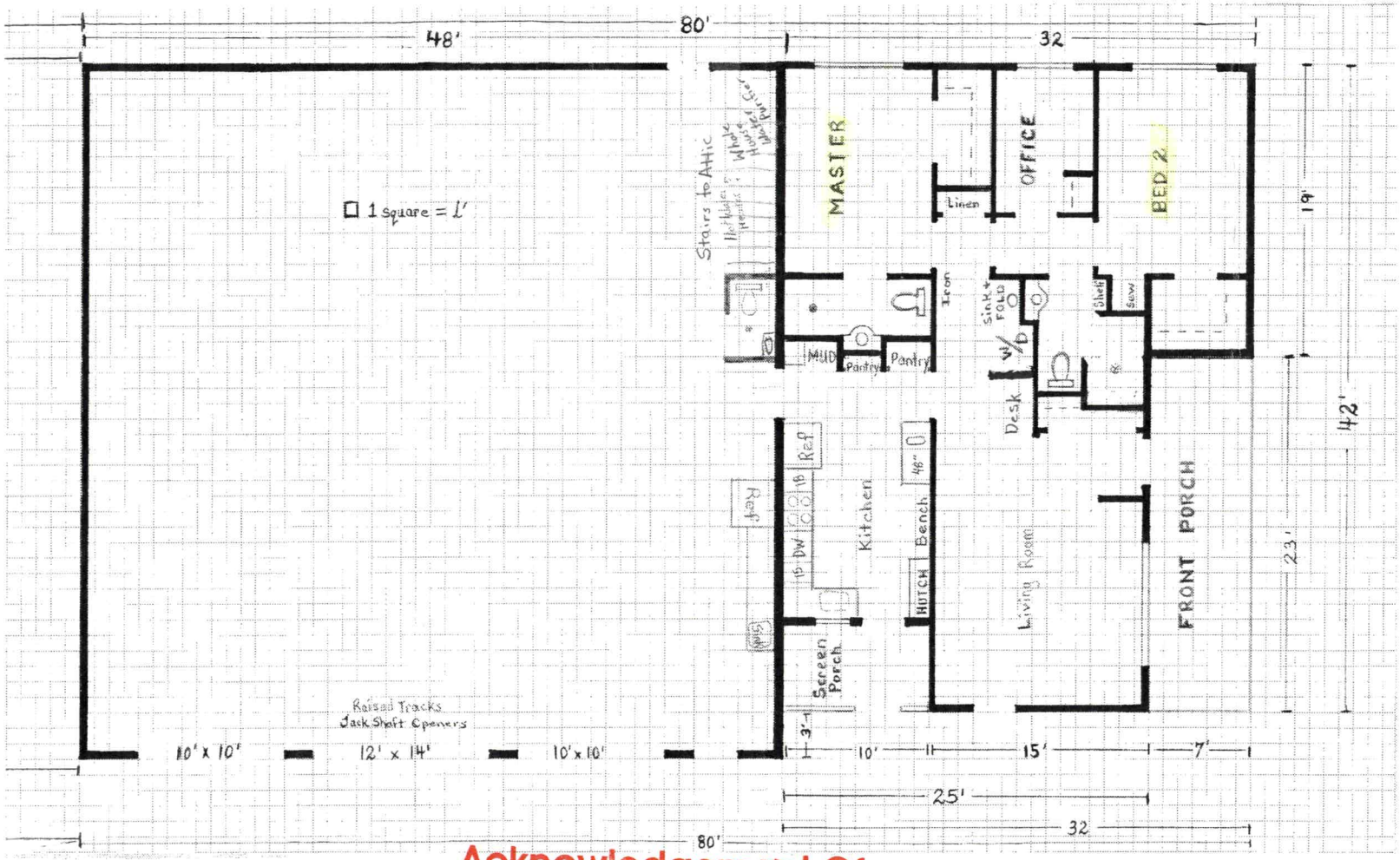
_____ _____
Signature of Owner(s) Date

Mooresville - Environmental Health
barbara.nebel@co.iredell.nc.us
Fax: 704-662-3239
610 E. Center Avenue, Mooresville, NC 28115

Statesville - Environmental Health
ronda.hart@co.iredell.nc.us
Fax: 704-871-3483
349 N. Center Street, Statesville, NC 28677

27
26
25
38'

Boan, Ed + Robin



241 Fifth Creek Rd

House 1344 sq ft

Heated 1128 sq ft

Acknowledgement Of Plans Submittal ONLY!

Robin C. Boan Date 1-10-23

_____ Date _____

Burkett C. White 1-26-2023