SW Manf-2024-55679

ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # OSWP-2023-36674

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

PIN # 4802 -- 75 -- 8530

APPLICANT/OWNER: CRYSTAL KIKER APPLICANT ADDRESS: 717 FOX MOUNTAIN ROAD, UNION GROVE, N.C. 28689

SITE ADDRESS: 717 FOX MOUNTAIN ROAD, UNION GROVE, N.C. 28689 PHONE: 828-228-2952 ALT. PHONE 704-592-2130

SITE DIRECTIONS: (N) ON 115, (L) ON COOLBROOK, (L) ON FOX MOUNTAIN, LOT ON (R) SAP CONTROLLED: ☐ YES ☑ NO

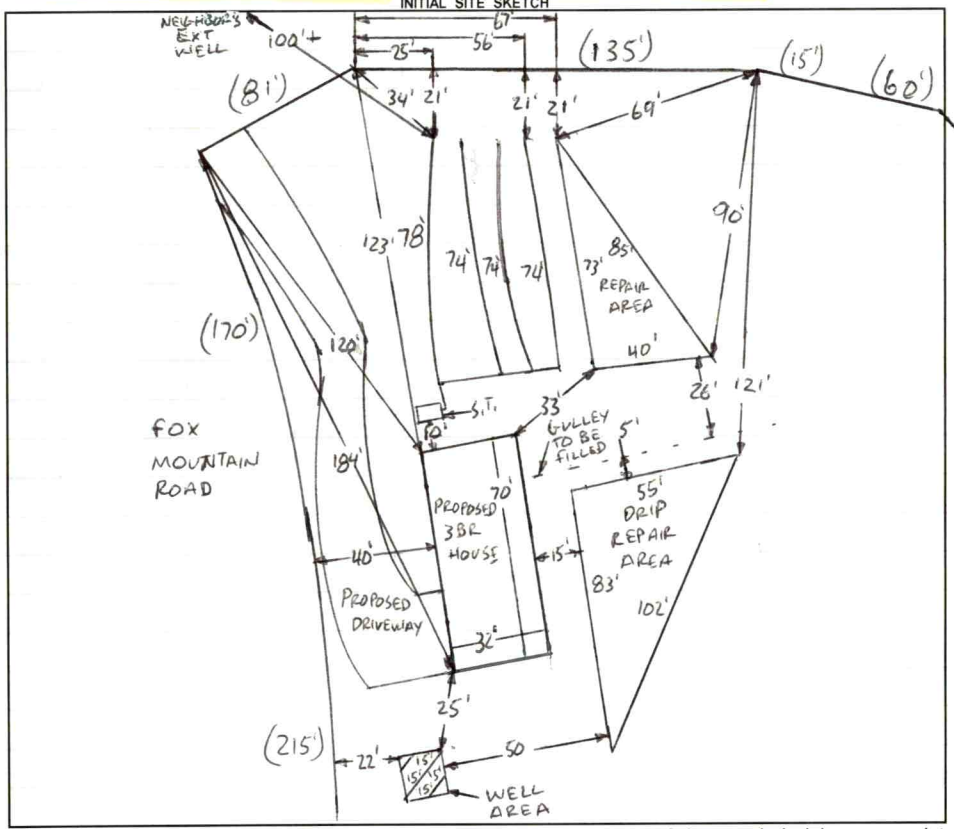
SUBDIVISION: FOX LAKE SECTION: - LOT # 6 - LOT AREA: 2.475 AC DESIGN FLOW: 360 GPD L.T.A.R.: 0.3 (0.1 REPAIR)

Septic Tank	1000 (gal)	STB		Date		☑ 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:	25% REDUCTION	☐ Business	No. Persons 6	☑ Private
Pump Make	-	Model	-	Serial #	-	Repair System Description:	DRIP IRRIGATION	☐ Other	No. Employees -	☐ Public
# Nitrification Fields	1	# Lines	4	Linear Ft	300 FT	Maintenance Agreement Required:	☐ YES ☑ NO	☐ Slab	☑ Crawl Space	☐ Community
Trench Width	36 IN	Trench Bottom Depth (Low side)	18 IN	Gravel Depth	-		☑ GRAVITY ☐ PRESSURE	☐ Basement w/plumbing	☐ Basement w/o plumbing	

Comments / Conditions: INSTALL ON CONTOUR, INSTALL ON 9 FT CENTERS, UTILIZE SERIAL DISTRIBUTION, DO NOT EXCEED A 36 IN MAX TRENCH DEPTH, DO NOT SHALLOW UP, SOIL STABILIZATION PLAN REQUIRED

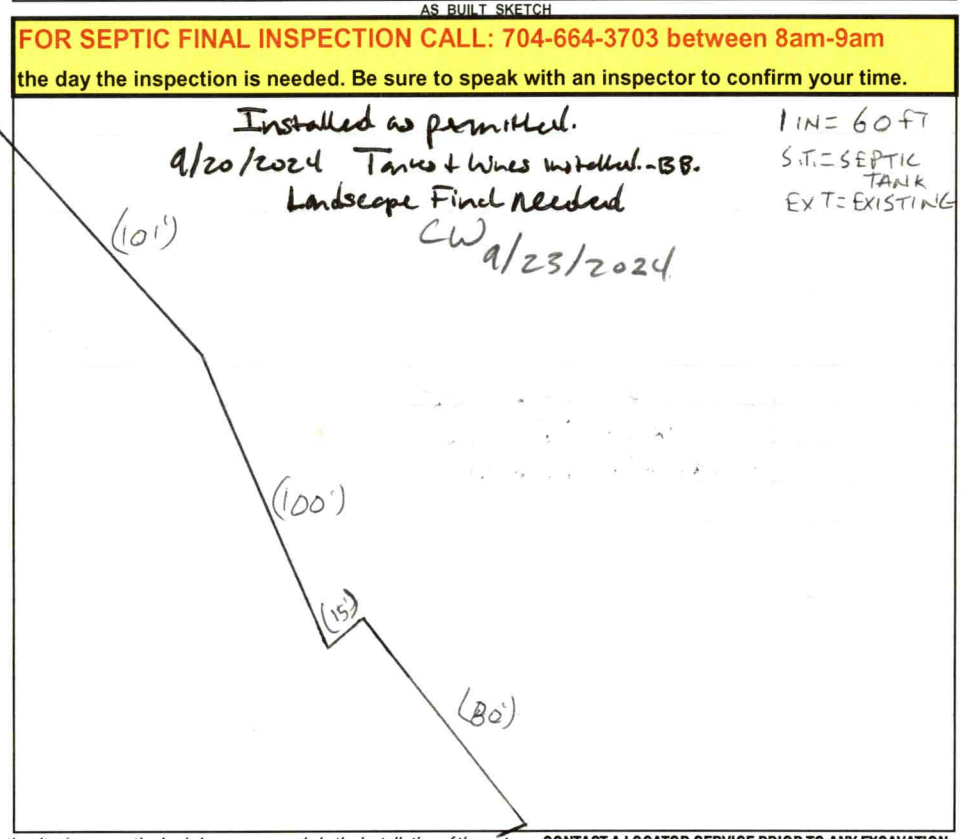
6 IN OF COUNTY APPROVED COVER MAY BE NEEDED

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: ONLINE SIGNATURE Date: - Installed by: J&W Construction

IMPROVEMENT PERMIT by: Bryant C. White Date: 12-19-2023 OPERATION PERMIT by: Bryant C. White Date 9/23/2024

AUTHORIZATION TO CONSTRUCT by: Bryant C. White Date: 12-20-2023 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 #: 4802-75-8530
COUNTY: IREDELL

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

OWNER: CRYSTAL KIKER
APPLICATION DATE 9-14-2023
ADDRESS: 717 FOX MOUNTAIN ROAD, UNION GROVE, N.C 28689
DATE EVALUATED: 10-17-2023
PROPOSED FACILITY: 3BR
PROPOSED DESIGN FLOW (.1949): 360GPD
PROPERTY SIZE: 2.475 AC
LOCATION OF SITE: 717 FOX MOUNTAIN ROAD, UNION GROVE, N.C. 28689
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	NOSE 28%	0-8	SCL, SBK	FR, SS, SP, SEXP	SAP INC THRU OUT	60"+	NA	NA	PS .3
		8-32	C, SBK	FR, S, P, SEXP					
		32-60	CL, WSBK	FR, SS, SP, SEXP					
2	SHOULDER 25%	0-12	SL, SBK	FR, SS, SP, SEXP	FEW SAP INC THRU OUT 2.5Y 6/2 @ 30" Y/B MOTS 20"+	56"+	NA	NA	PS .25
		12-29	CL, ABK	FI, S, P, SEXP					
		29-48	SCL, WABK	FI, S, P, SEXP					
		48-56	CL, WABK	FI, SS, SP, SEXP					
3	LINEAR SIDE 48%	0-8	FILL MIXED CLEARING		SAP INC THRU OUT FEW BOULDERS 34"+	48"+	PS II SL	NA	PS .275 BETWEEN 9'L 33"
		8-17	SCL, SBK	FR, SS, SP, SEXP					
		17-26	C, SBK	FR, S, P, SEXP					
		26-48	CL, WSBK	FR, SS, SP, SEXP					
		48-60	SAP, MAS	VFR, NS, NP, SEXP					
4	CUT LINEAR SIDE 50%	0-6	SCL, SBK	FR, SS, SP, SEXP	SAP INC THRU OUT FIRM SAP 60"+ BAR	48"+	PS II SL	NA	PS .3
		6-29	C, SBK	FR, S, P, SEXP					
		29-48	CL, WSBK	FR, SS, SP, SEXP					
		48-60	SAP, MAS	VFR, NS, NP, SEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	25%	DRIP
Site LTAR	0.3	0.1

OTHER FACTORS (.1946): PS
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Burnett C. White
OTHER(S) PRESENT:

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)	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.

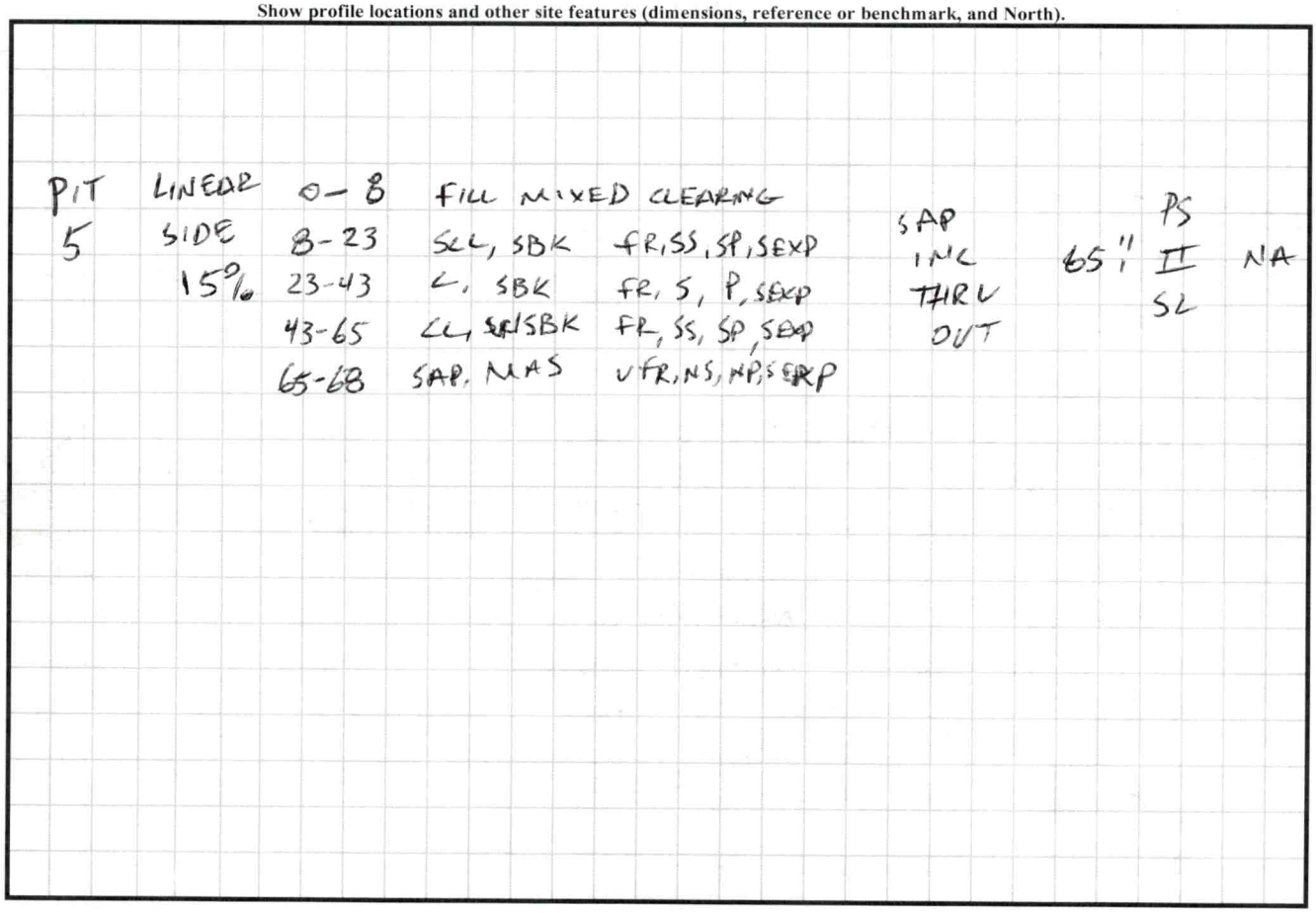
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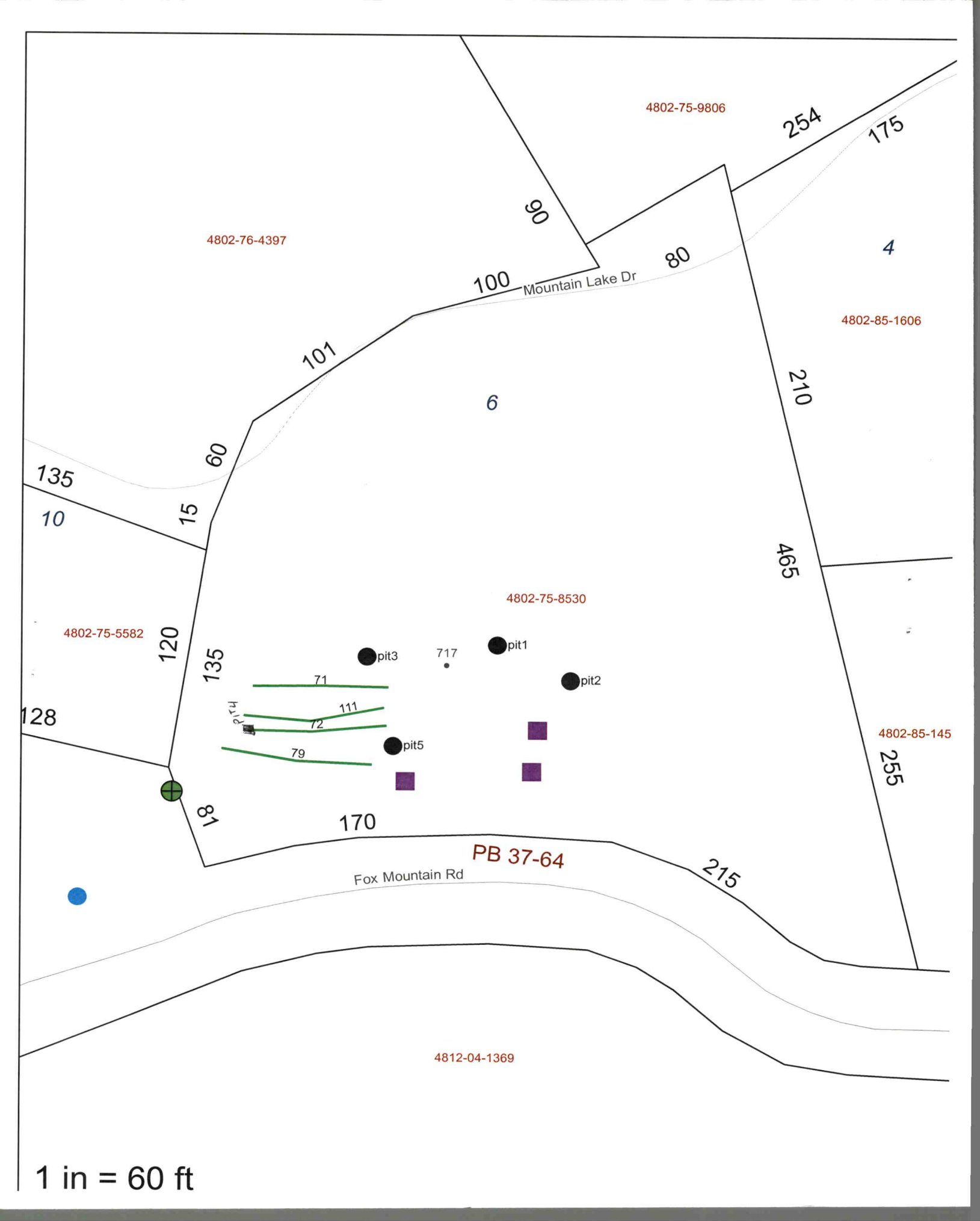
HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or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




4802-75-9806
254
175
90
4802-76-4397
4
80
100
Mountain Lake Dr
4802-85-1606
101
6
210
60
135
15
10
465
4802-75-8530
4802-75-5582
120
135
pit3
717
pit1
pit2
71
111
72
pit4
128
pit5
79
4802-85-145
255
81
170
PB 37-64
215
Fox Mountain Rd
4812-04-1369
1 in = 60 ft

PERMIT SNAPSHOT REPORT OSWP-2023-36674 FOR IREDELL COUNTY

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

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

App Date: 09/14/2023
Exp Date: NOT AVAILABLE
Completed: NOT COMPLETED
Approval Expire Date:

Description: 9/20 No phone number listed sent email to Crystal's email address on file. GM Crystal (phone # in internal notes) stated site may need to mark HB but everything else ready. She will call when HB marked GM 9/29 Crystal stated site ready. GM Site visit Site ready GM

Parcel:	**Address:**	**Zone:**
4802758530.000 Main	717 Fox Mountain Rd Main Union Grove, NC 28689	RA(Residential Agricultural District)

Property Owner
Tracy Gillis
Home: (704) 592-2130

Applicant/Authorized Agent
Crystal Kiker
717 Fox Mountain Rd
Union Grove, NC 28689
- 828-228-2952

Permit Custom Fields

How is your site plan being submitted	Survey Plat	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	68 foot x 32 foot
What are the proposed structures	New Single-Family Residence - Mobile Home	Type of New Single-Family Residence	Mobile Home	Maximum Number of Bedrooms	3
If other Addition/Structure, please explain		Number of Occupants	3	Foundation Type	Concrete Slab Foundation
Water Supply	New Well	Desired Septic System Type	Conventional (most common)	Lot Acreage	2.475
Front Setback	35	Back Setback	35	Left Setback	15
Right Setback	15	Zoning Permit Issued Date	Sep 19 2023 12:00AM	Zoning Permit Expiration Date	Mar 17 2024 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
Zoning Notes/Addendums	REQUIREMENTS FOR ALL MULTI -SECTIONAL MOBILE HOMES Must meet requirement R9 of the LDC. Minimum size of main body is at least 22 feet by 40 feet; Must have standard residential shingles; Minimum of 3/12 roof pitch; Must have continuous masonry underpinning; Must have minimum roof eave and raker projections of 6 inches; Must have a 36 square foot deck or porch at all front entrances; Exterior siding must consist of vinyl or aluminum lap siding, wood, or hardboard, comparable in composition, appearance and durability to residential siding; Must remove towing apparatus; Must face front property line and be no more than 20 degrees from parallel		to the front property line. Original mobile home must be removed before Certificate of Occupancy can be approved.	Additional Unique Setbacks Apply	No

PERMIT SNAPSHOT REPORT (OSWP-2023-36674)

Watershed NOT IN A WATERSHED

Type of Hold	Created By	Date Created	Hold Origin	Comments	Active
Awaiting Additional Documents	Julia Bailey	09/15/2023 15:22	OSWP-2023-36674	Site plan still needs a front setback off fox mountain rd to the home	No

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Crystal_Kiker_9/14/2023.jpg	09/14/2023 12:53	Kiker, Crystal		Uploaded via CSS
DOC TO AUTHORIZE AN OWNER 3_18 (1)_v1.pdf	09/15/2023 10:03	Nebel, Barbara	Available Online	Authorize to Act as Agent
IMG_3847_v1.jpg	09/19/2023 13:16	Bailey, Julia	Available Online	Additional Supporting Information

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2023-145960	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	09/29/2023	09/29/2023 0:00	09/29/2023 0:00	09/29/2023 17:11	09/29/2023 17:11

Inspectors: McLeod, Grace (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. 9/20 No phone number listed sent email to Crystal's email address on file. Her phone number is 828-228-2952 Lot is 2.47 acres. Crystal stated they need to mark HB. Everything else is ready. She will call when HB is marked. GM	Grace McLeod	09/20/2023 8:52
2. 9/29 Crystal texted site was ready. Site visit, site ready GM	Grace McLeod	09/29/2023 17:10

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00020964	New Gravity System	$500.00	$500.00
	Iredell Zoning Permit Fee	$75.00	$75.00
	Iredell Zoning Tech Fee	$2.25	$2.25
	Total for Invoice INV-00020964	$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 10:44	09/15/2023 10:45
Confirm application complete v.1	Generic Action		09/15/2023 10:45
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		09/20/2023 8:47	09/20/2023 8:47
Issue Invoice v.1	Generic Action		09/20/2023 8:47
Fees Paid v.1	Generic Action		09/20/2023 8:47
Lot Readiness Verification v.1		09/29/2023 17:11	
OSWP Septic Preliminary Site Visit v.1	Inspection	09/29/2023 17:11	09/29/2023 17:11
OSWP Site Evaluation v.1	Inspection		
Zoning Review v.1		09/19/2023 13:19	

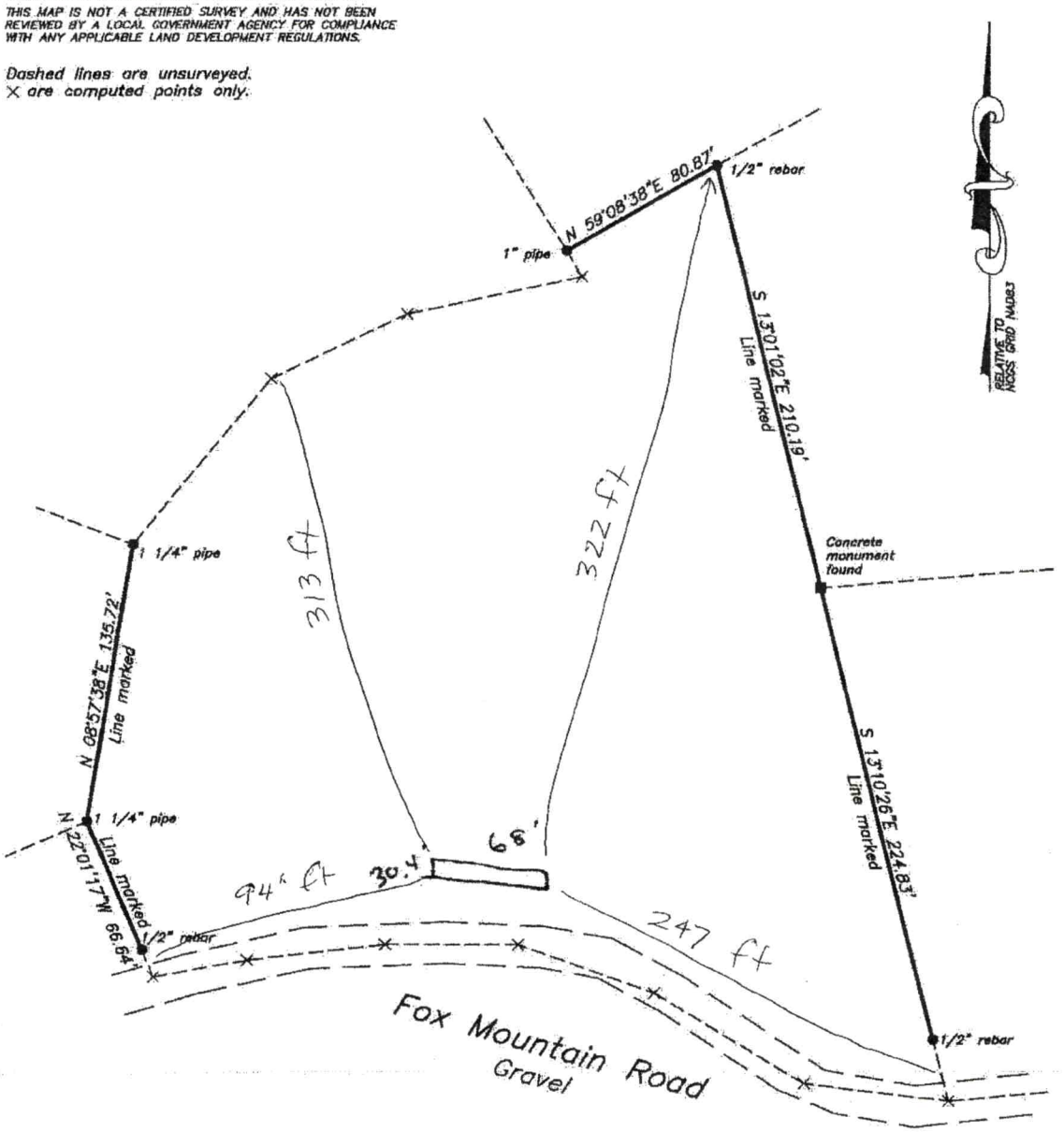
PERMIT SNAPSHOT REPORT (OSWP-2023-36674)

~~Floodplain Admin Overview v.1~~	Task		09/19/2023 13:19
Iredell County Zoning Approval v.1	Task	09/20/2023 8:35	
Issue Invoice v.1	Generic Action		09/19/2023 13:19
Fees Paid v.1	Generic Action		09/20/2023 8:35
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

THIS MAP IS NOT A CERTIFIED SURVEY AND HAS NOT BEEN REVIEWED BY A LOCAL GOVERNMENT AGENCY FOR COMPLIANCE WITH ANY APPLICABLE LAND DEVELOPMENT REGULATIONS.

Dashed lines are unsurveyed.
X are computed points only.



PRELIMINARY PLAT:
NOT FOR RECORDATION,
CONVEYANCES, OR SALES

50 0 50 100 150
GRAPHIC SCALE – 1"=50'

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

Work Map For:

Crystal Kiker

New Hope Township, Iredell County, NC
Deed Reference: Bk. 1285 Pg. 114
Plat Reference: PB 37 Pg. 61, lot 6
Job Number: 2309301
Field Work: 09-12-2023
Drawn By: TM