ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 x3456 Mooresville Office (704) 660-3625

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

PERMIT : OSWP 2024 - 59802

PIN # 4715 - 57 - 9208

APPLICANT/OWNER: Brooks Derting

APPLICANT ADDRESS: 147 Kit Carson Rd, Statesville

SITE ADDRESS: 147 Kit Carson Rd, Statesville 28625

PHONE: 704-880-8528

ALT. PHONE -

SITE DIRECTIONS: 64/90 - Wood Bridge - Kit Carson

SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: -

SECTION: -

LOT # -

LOT AREA: 3

DESIGN FLOW: 360 gpd

L.T.A.R.(Initial): -

L.T.A.R (Repair): 0.3

Septic Tank ____ (gal) STB 760 Date ____

Pump Tank ____ (gal) PT ____ Date ____

Pump Make ____ Model ____ Serial # ____

Nitrification Fields 1 # Lines 3 Linear Ft 300'

Trench Width 36in *Max. Trench Depth(Initial) - *Max. Trench Depth(Repair) 30 in Gravel Depth -

* Measured on the downhill side of the trench

Effluent Standard: ☑ DSE ☐ HSE ☐ TS-I ☐ TS-II ☐ RCW ☐ NSF/ANSI 40

☐ New System ☒ Repair ☐ Expansion System Type: I (II) III IV V VI

System Description:

Repair System Description: 25% reduction

Maintenance Agreement Required: ☐ YES ☒ NO

☒ GRAVITY ☐ PRESSURE

Usable Depth to LC (Initial): 48 in

Usable Depth to LC (Repair): 48 in

☒ Residence No. Bedrooms 3

☐ Business No. Persons 6

☐ Other No. Employees

☐ Slab ☐ Crawl Space

☒ Basement w/plumbing ☐ Basement w/o plumbing

Limiting Condition

Water Supply

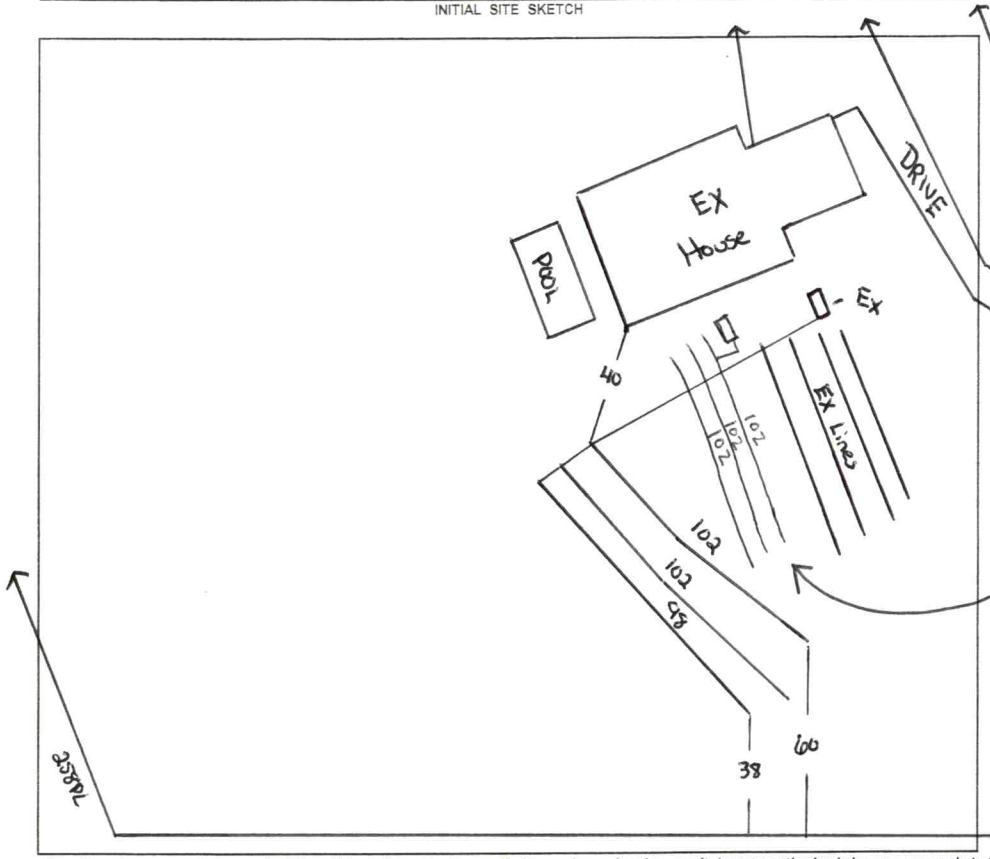
☐ Private

☒ Public

☐ Community

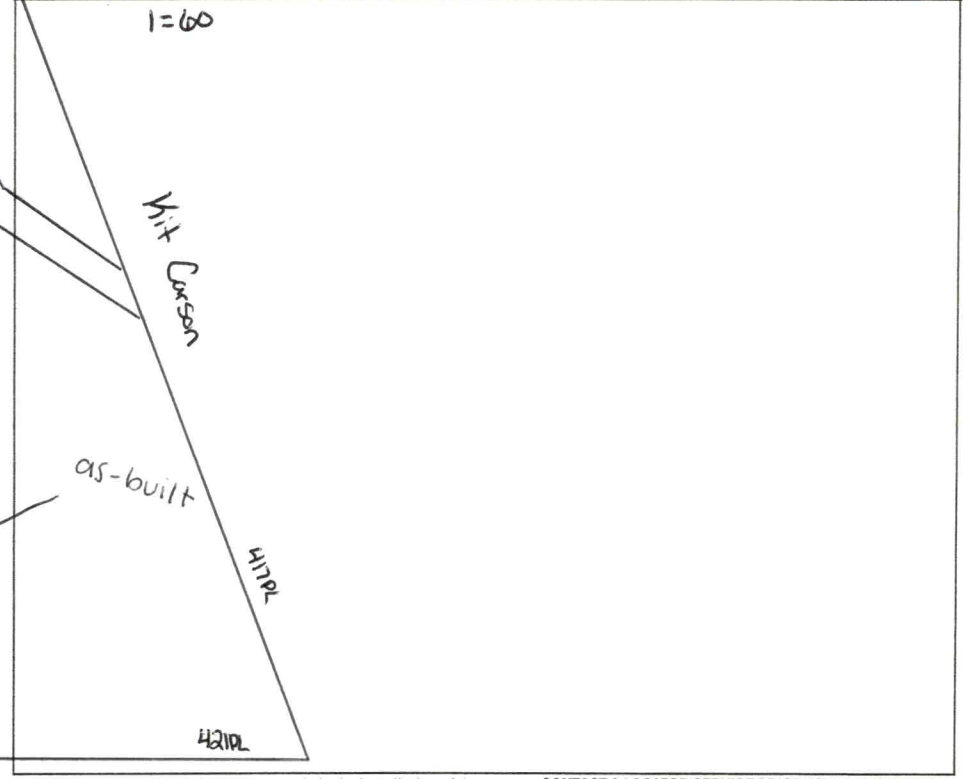
Comments / Conditions: Inspect tank at time of install, if needed replace tank Install on contour with the land.

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: Lentz

IMPROVEMENT PERMIT by: Coy Hil ✓ Date: 8/20/24

OPERATION PERMIT by: Sydney Hilliard ✓ Date: 9/11/24

AUTHORIZATION TO CONSTRUCT by: Coy Hil ✓ Date: 8/20/24

Existing System Inspected by: ____ Date: ____

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

PROPERTY ID #: 4715579208
COUNTY: Iredell

SOIL/SITE EVALUATION *for* ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: Brooks Derting DATE EVALUATED: 8/16/24
ADDRESS: 147 Kit Carson Rd
PROPOSED FACILITY: 3 bd/r home PROPOSED DESIGN FLOW (.0400): 360 gpd PROPERTY SIZE: 3 acres
LOCATION OF SITE: 147 Kit Carson Rd PROPERTY RECORDED: yes
WATER SUPPLY: X Public Single Family Well Shared Well Spring Other _____ WATER SUPPLY SETBACK: 10'
EVALUATION METHOD: Auger Boring X Pit Cut TYPE OF WASTEWATER: X Domestic High Strength IPWW

PROFILE #	.0502 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY .0503 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY .0503 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ	.0509 PROFILE CLASS & LTAR*	.0503 SLOPE CORRECTION
1	LS 12%	0 - 38	C SBK	S P FR SE	–	49	–	–	.3 PS	
		38 - 49	CL SBK	SS SP FR SE						
2										
3										
4										

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)		PS
System Type(s)		25%
Site LTAR		.3
Maximum Trench Depth		36in

SITE CLASSIFICATION (.0509): PS
EVALUATED BY: Cory Wrecker
OTHER(S) PRESENT: _____

Comments: _____

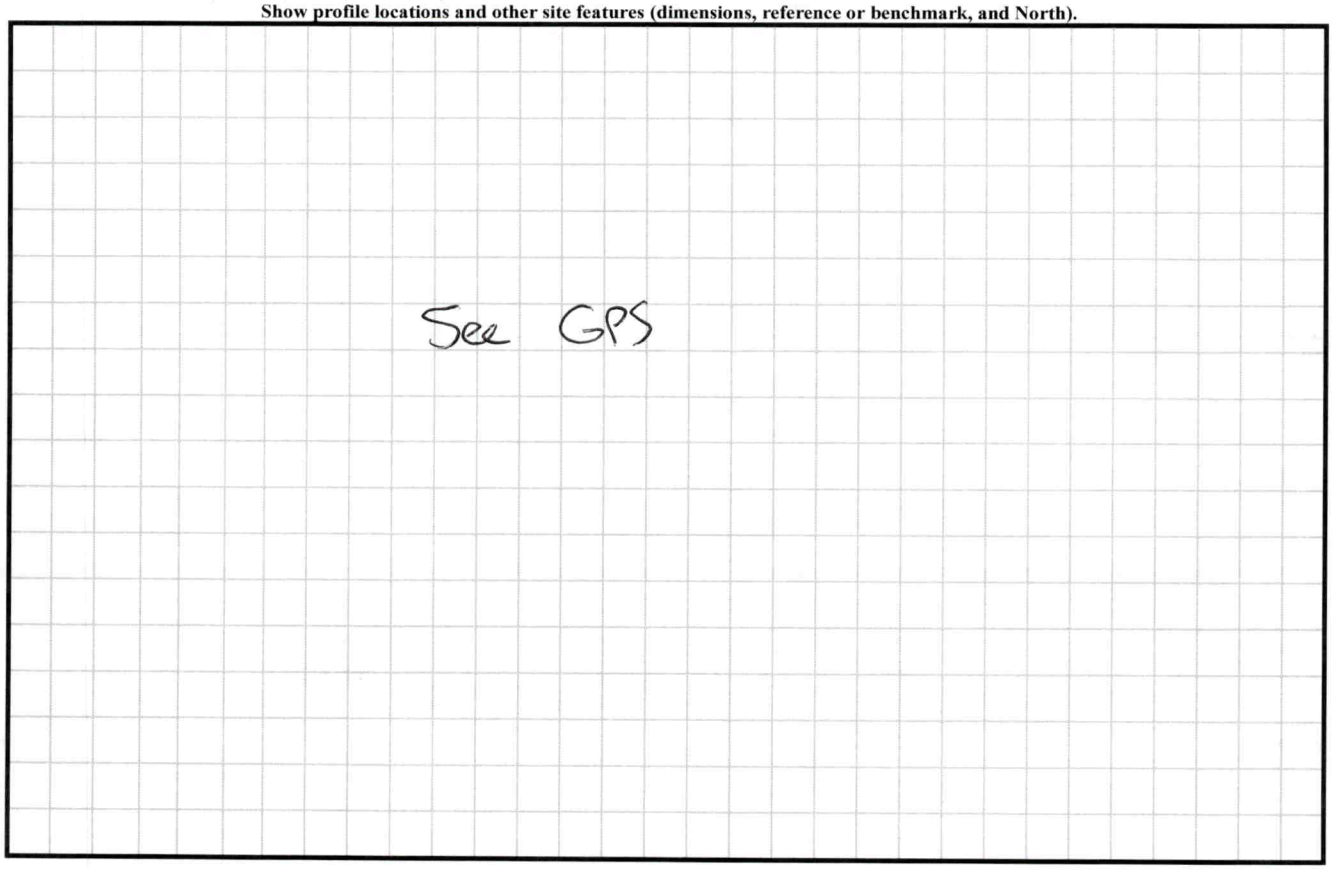
LEGEND

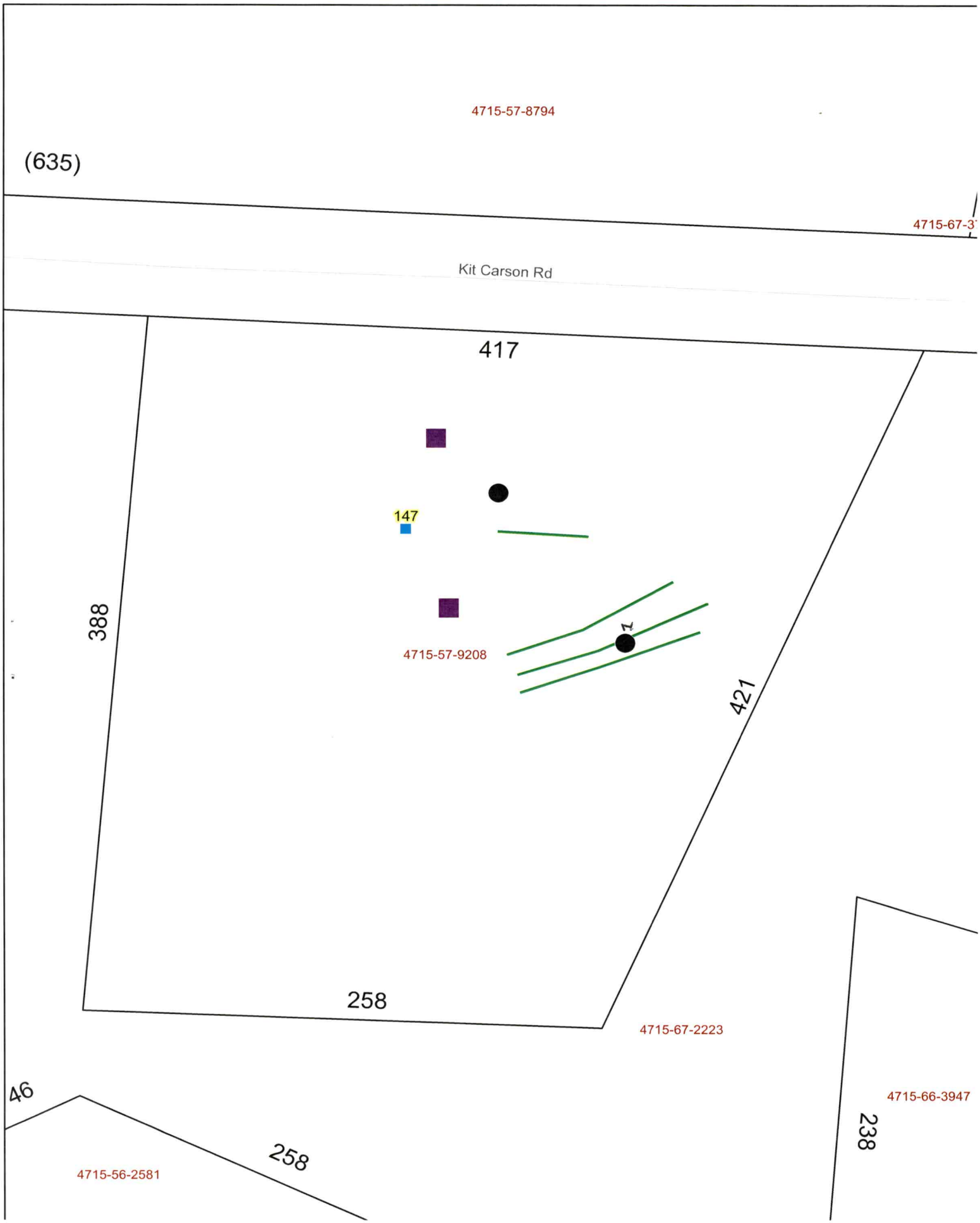
LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE
CC (Concave slope)	I	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 -0.6	MOIST	WET	SG (Single grain)
CV (Convex Slope)		LS (Loamy sand)		0.5 -0.7		Lo (Loose)	NS (Non-sticky)	M (Massive)
D (Drainage way)	II	SL (Sandy loam)	0.6 - 0.8	0.4 -0.6	0.3 - 0.4	VFR (Very friable)	SS (Slightly sticky)	GR (Granular)
FP (Flood plain)		L (Loam)		0.2 - 0.4		FR (Friable)	S (Sticky)	SBK (Subangular blocky)
FS (Foot slope)	III	SiL (Silt loam)	0.3 - 0.6	0.1 - 0.3	0.15 - 0.3	FI (Firm)	VS (Very sticky)	ABK (Angular blocky)
H (Head slope)		SCL (Sandy clay loam)		0.05 - 0.15**		VFI (Very firm)	NP (Non-plastic)	PR (Prismatic)
L (Linear Slope)		CL (Clay loam)		None		EFI (Extremely firm)	SP (Slightly plastic)	PL (Platy)
N (Nose slope)		SiCL (Silty clay loam)					P (Plastic)	
R (Ridge/summit)		Si (Silt)					VP (Very plastic)	
S (Shoulder slope)	IV	SC (Sandy clay)	0.1 - 0.4		0.05 - 0.2	SEXP (Slightly expansive)		
T (Terrace)		SiC (Silty clay)				EXP (Expansive)		
TS (Toe Slope)		C (Clay)						
		O (Organic)	None					

* Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.
**Sandy clay loam saprolite can only be used with advanced pretreatment in accordance with 15A NCAC 18E .1200.

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); Evaluation of saprolite shall be by pits.
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) or U (Unsuitable)

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




4715-57-8794
(635)
4715-67-3
Kit Carson Rd
417
147
388
4715-57-9208
421
258
4715-67-2223
46
4715-66-3947
238
258
4715-56-2581

PERMIT SNAPSHOT REPORT OSWP-2024-59802 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	08/14/2024
Work Class:	EH Septic Permit	**District:**	Iredell County	**Exp Date:**	NOT AVAILABLE
Status:	PRIORITY PERMIT	**Square Feet:**	0.00	**Completed:**	NOT COMPLETED
Valuation:	$0.00	**Assigned To:**	Whicker, Cory	**Approval Expire Date:**	
Description:	Septic Repair				

Parcel: 4715579208.000 Main	**Address:** 147 Kit Carson Rd Statesville, NC 28625 Main	**Zone:** RA(Residential Agricultural District)

Property Owner	Applicant/Authorized Agent
Brooks Derting	Brooks Derting
147 Kit Carson Rd	147 Kit Carson Rd
STATESVILLE, NC 28625	STATESVILLE, NC 28625
Mobile: (704) 880-8528	Mobile: (704) 880-8528

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Septic Application/Permit Type	Repair	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	3 bedroom ranch
What are the proposed structures	New Single-Family Residence - Stick Built	Type of New Single-Family Residence	Stick Built	Maximum Number of Bedrooms	3
If other Addition/Structure, please explain		Number of Occupants	4	Foundation Type	Basement with Plumbing
Residential/Business/Other	Residential	Number of Employees	0	Water Supply	Other Public Water
Desired Septic System Type	Conventional (most common)	If other septic system type, please explain		Pump Make	
# of Nitrification Fields		Model		Serial #	
System Description		Repair System Description		Comments/Conditions	
Permit type(s)	Authorization to Construct	Additional Unique Setbacks Apply	No		

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Brooks_Derting_8/14/2024.jpg	08/14/2024 14:21	Derting, Brooks		Uploaded via CSS
2024 Derting Septic_v1.pdf	08/14/2024 14:38	Derting, Brooks	Available Online	
DOC TO AUTHORIZE AN OWNER-signed.pdf	08/14/2024 15:01	Fleming, Latasha	Available Online	Authorization Form
147 KIT CARSON RD DOC TO AUTHORIZE AN OWNER.pdf	08/14/2024 15:06	COMEAUX, DEBRA	Available Online	DOC TO AUTHORIZE AN OWNER

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		08/14/2024 15:01	08/14/2024 15:01
Confirm application complete v.1	Generic Action		08/14/2024 15:01
Lot Readiness Verification v.1			
~~OSWP Septic Preliminary Site Visit v.1~~	Inspection		08/14/2024 15:02
OSWP Site Evaluation v.1	Inspection		
~~**Zoning Review v.1**~~			08/14/2024 15:01
~~Floodplain Admin Overview v.1~~	Task		08/14/2024 15:01