ICHD - ENVIRONMENTAL HEALTH DIVISION
SEPTIC: IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM

Statesville Office (704) 878-5305 x3456 | Mooresville Office (704) [illegible]

PIN # 4659 - 42 - 8638

APPLICANT/OWNER: Kassidy Valcourt

APPLICANT ADDRESS: 7401 Carmel Executive Park Dr. Charlotte, 28226

SITE ADDRESS: 120 Brooke Forest Ct. Mooresville 28115

PHONE: 704-709-2890

ALT. PHONE

SITE DIRECTIONS: Hwy 21 - R Didio - R Brooke Forest - Lot on R

SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: Brooke Forest

SECTION: -

LOT # 15

LOT AREA: .6

DESIGN FLOW: 360gpd

L.T.A.R.(Initial): .25

L.T.A.R (Repair): .25

Septic Tank	1000 (gal)	STB	160	Date		☑ New System ☐ Repair ☐ Expansion	System Type: I II III IV V VI
Pump Tank	1000 (gal)	PT	319	Date		System Description: HPPBPS - PM - 50% Reduction	
Pump Make		Model		Serial #		Repair System Description: LPPBPS - 50%	
# Nitrification Fields	1	# Lines	6	Linear Ft	240'	Maintenance Agreement Required: ☐ YES ☑ NO	
Trench Width	36"	*Max. Trench Depth(Initial)	46"	*Max. Trench Depth(Repair)		Gravel Depth — ☐ GRAVITY ☑ PRESSURE	
* Measured on the downhill side of the trench		Effluent Standard: ☑ DSE ☐ HSE ☐ TS-I ☐ TS-II ☐ RCW ☐ NSF/ANSI 40				Usable Depth to LC (Initial): 60"	

☑ Residence ☐ Business ☐ Other ☑ Slab ☐ Basement w/plumbing

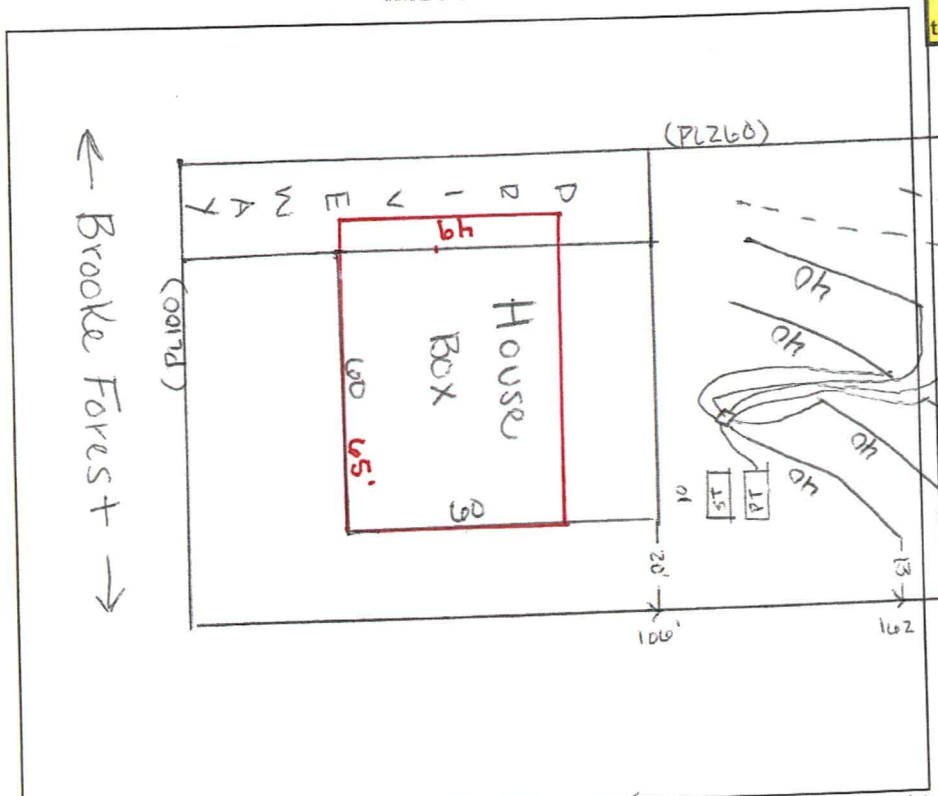
No. Bedrooms: 3 | No. Persons: 6 | No. Employees: | ☐ Crawl Space | ☐ Basement w/o plumbing

Water Supply: ☑ Private ☐ Public ☐ Community

Usable Depth to LC (Repair): 60" — *Limiting Condition*

Comments / Conditions: Do not pave, grade, park, drive, or bury utilities in drainfield.

INITIAL SITE SKETCH



AS BUILT SKETCH

1" = 40'

- HB does NOT effect septic

6 Taps @ 1½ sch80
Dose - 194
Flow - 32
DD - 9
RT - 6 min
54 Total Panels

Septic Tank only - 9/16 - SH
PM/Plumbing - 10/22 CW
Lines 10/18 - MW

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 — Date: -

IMPROVEMENT PERMIT by: Sydney Holland — Date: 9/10/24

AUTHORIZATION TO CONSTRUCT by: Sydney Holland — Date: 9/10/24

Installed by: Michael Powell

OPERATION PERMIT by: D. Weber — Date: 11/7/24

Existing System Inspected by: — Date:

	Date	Initials
Drain Lines Checked	10/18/24	MW
Tanks Checked	9/16/24	SH
Pressure Manifold or Valve Box Checked	10/22/24	CW
Pressure Head Set	10/30/24	DW
Electrical Checked	↓	↓
Floats Set		
Alarm Checked		
Maintenance Contract Y / (N)		

ICHD - ENVIRONMENTAL HEALTH DIVISION

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

BCW

PERMIT : OSWP 2024-60710

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

PIN # 4659 -42 - 8638

APPLICANT/OWNER: Kassidy Valcourt | APPLICANT ADDRESS: 7401 Carmel Executive Park Dr. Charlotte 28226

SITE ADDRESS: 120 Brooke Forest Ct. Mooresville 28115 | PHONE: 704-709-2890 | ALT. PHONE —

SITE DIRECTIONS: Hwy 21 - R Didio - R Brooke Forest - Lot on R | SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: Brooke Forest | SECTION: - | LOT # 15 | LOT AREA: .6 | DESIGN FLOW: 360gpd | L.T.A.R.(Initial): .25 | L.T.A.R (Repair): .25

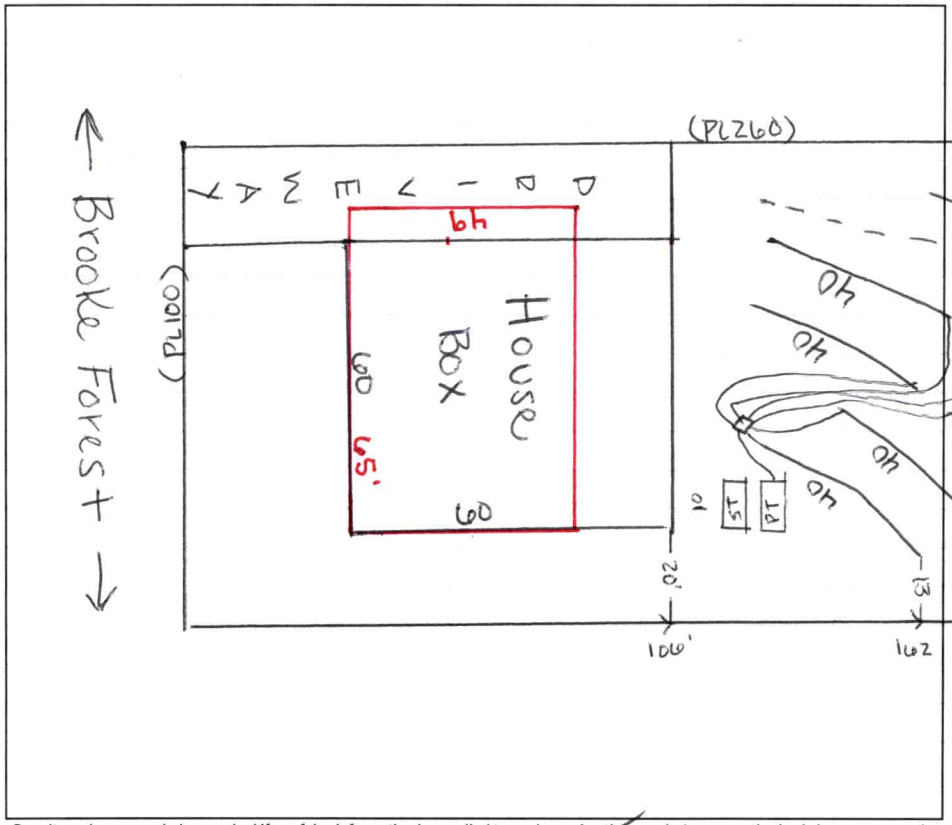
Septic Tank	1000 (gal)	STB	Date	☑ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI	☑ Residence	No. Bedrooms 3
Pump Tank	1000 (gal)	PT	Date	System Description: HPPBPS - PM - 50% Reduction				☐ Business	No. Persons 6
Pump Make		Model	Serial #	Repair System Description: LPPBPS - 50%				☐ Other	No. Employees
# Nitrification Fields	1	# Lines 6	Linear Ft 240'	Maintenance Agreement Required:	☐ YES	☑ NO		☑ Slab	☐ Crawl Space
Trench Width 36"	*Max. Trench Depth(Initial) 46"	*Max. Trench Depth(Repair)	Gravel Depth —		☐ GRAVITY	☑ PRESSURE		☐ Basement w/plumbing	☐ Basement w/o plumbing

* Measured on the downhill side of the trench — Effluent Standard: ☑ DSE ☐ HSE ☐ TS-I ☐ TS-II ☐ RCW ☐ NSF/ANSI 40 — Usable Depth to LC (Initial): 60" — Usable Depth to LC (Repair): 60" — *Limiting Condition*

Water Supply: ☑ Private ☐ Public ☐ Community

Comments / Conditions: Do not pave, grade, park, drive, or bury utilities in drainfield.

INITIAL SITE SKETCH



AS BUILT SKETCH

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54 Total Panels

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☐ **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 | Date: - | Installed by: Michael Powell

IMPROVEMENT PERMIT by: Sydney Holland | Date: 9/10/24 | OPERATION PERMIT by: | Date:

AUTHORIZATION TO CONSTRUCT by: Sydney Holland | Date: 9/10/24 | 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

Sheet 1 of 1
PROPERTY ID #:
COUNTY: Johnston

Lot 15

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

OWNER: West Homes
ADDRESS:
APPLICATION DATE 11-2021
DATE EVALUATED: 2021
PROPOSED FACILITY: 3BR
PROPOSED DESIGN FLOW (.1949): 360
PROPERTY SIZE: .60
LOCATION OF SITE: 120 Brown Fund CT Mk
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	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	Side	0-12	SCL						PS .30
		12-36	C SBK	SS sp FR Jelpl		71			
		36-71	CL MABK	SSp FR	2.5Y 6/2 mottles				
2	Side	0-12	SCL						≤36 .26
		12-37	C/ABK	f:/s/p/SExp	10YR 6/6				736 .3
		37-64	CL/SBK	fr/ss/sp/+	10YR 6/4	64			PS
3	Side *	0-10	SCL						PS Only in Rear
		10-24	C/SABK	f:/s/p/SExp	10YR 6/6				.25 (43-70)
		24-43	C/SABK	fr/s/p/SExp	10YR 6/2 @ 37	72	Sap @ 43		
		43-72	CL/SBK	fr/ss/sp/SExp					*=Clean layer
		Possible	interceptor	drain @ 43-70					
4	Side	0-4	SCL		5Y 5/4				PS
		4-40	C/SABK	fr/s/p/SExp	16-34				.25
		40-70	CL/ABK	fr/ss/sp/SExp	10YR 6/6	70			Deep

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	240	240
System Type(s)	III 50	IV 50
Site LTAR	.25	.25

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948):
EVALUATED BY: Bethany Pennington / Whitmire
OTHER(S) PRESENT:

COMMENTS: *46in TB - Granite Removal

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.

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).

