BLDR-2023-12388

ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT # OSWP-2022-11129

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

PIN # 4636-74-7292 ✓

APPLICANT / OWNER: SOIL AND FORESTRY SERVICES APPLICANT ADDRESS: 126 3rd Creek Rd, Statesville, NC 28677

SITE ADDRESS: 208 SPRING RUN DR, MOORESVILLE, NC 28117 ✓ PHONE: (980) 223-8352 ALT. PHONE:

SITE DIRECTIONS: SAP CONTROLLED: YES ☐ NO ☒

SUBDIVISION: Spring Run ✓ SECTION: - LOT #: 15 ✓ LOT AREA: .77 DESIGN FLOW: 480 L.T.A.R.: 30

Septic Tank: (gal) 1000	STB:	Date:	☑ New System ☐ Repair ☐ Expansion	System Type: IN	☑ Residence	No. Bedrooms: 4	Water Supply: Community Well
Pump Tank: (gal) 1000	PT:	Date:	System Description: PPBPS / LP		☐ Business	No. Persons: 8	
Pump Make:	Model:	Serial #:	Repair System Description: PPBPS/LP		☐ Other	No. Employees:	
# Nitrification Fields: 1	# Lines: 4	Linear Ft.: 267	Maintenance Agreement Required: ☑ YES ☐ NO		☐ Slab	☑ Crawl Space	
Trench Width: 24 in	Trench Bottom Depth (Low side): 30 in.		Gravel Depth: -	☐ GRAVITY ☑ PRESSURE	☐ Basement w/ Plumbing	☐ Basement w/o Plumbing	

Comments / Conditions:

INITIAL SITE SKETCH

This permit is issued pursuant to G.S. 130A-335(a2), (a3) & (a4) using the signed and sealed LSS/LG Evaluation attached here, from:

Soil + Forestry Services of the Carolinas PA.

LSS# 1231

AS BUILT SKETCH

Tanks/Lines - BCW 11/2/23

CVB, PH, Electrical, Alarm 4/2/24 BW

Need Maintenance Contract

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:

IMPROVEMENT PERMIT by: Benjamin A Both Date: 12/19/2022

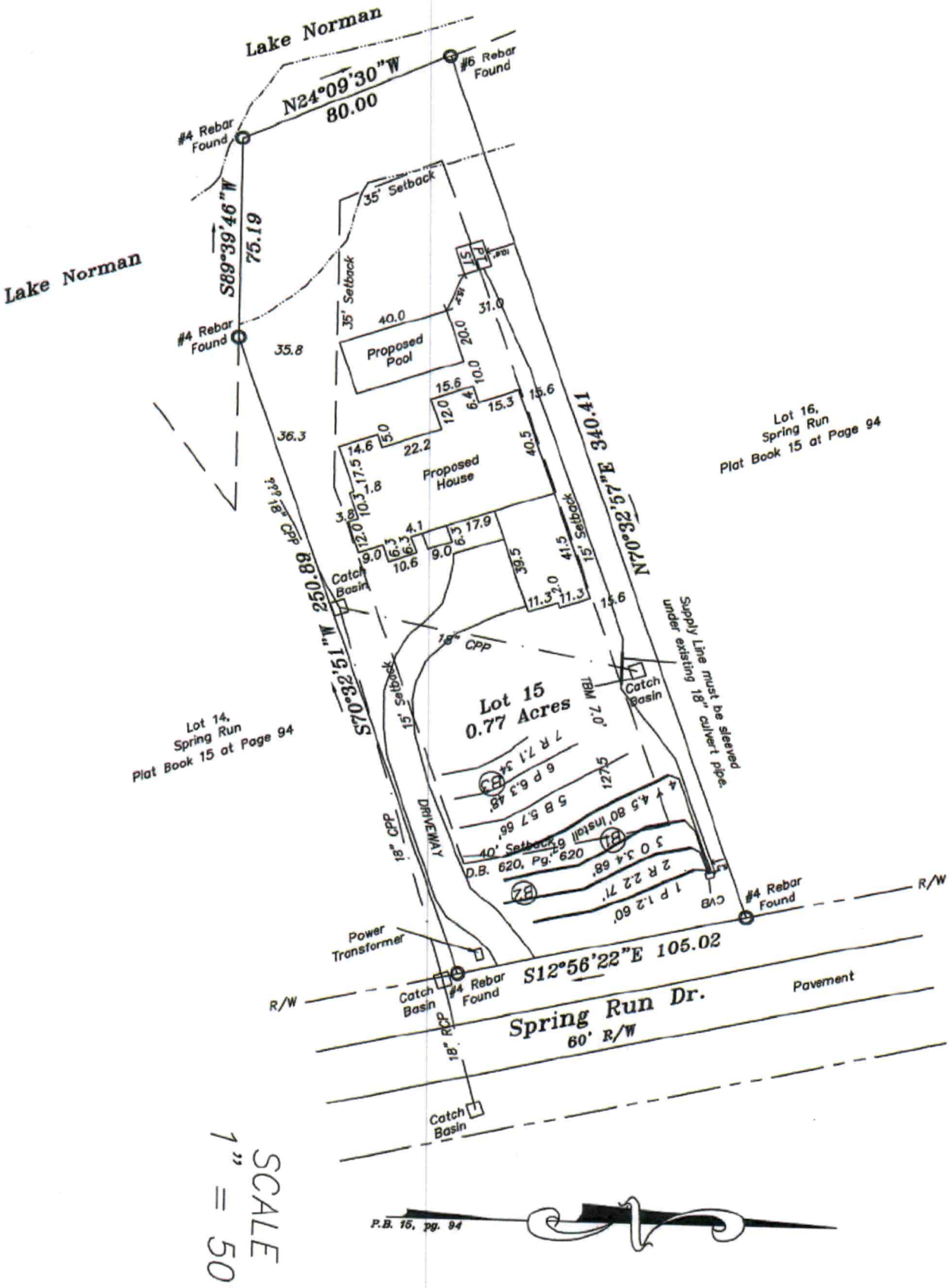
AUTHORIZATION TO CONSTRUCT by: Benjamin A Both Date: 1/24/2023

Installed By: Groundbreakers

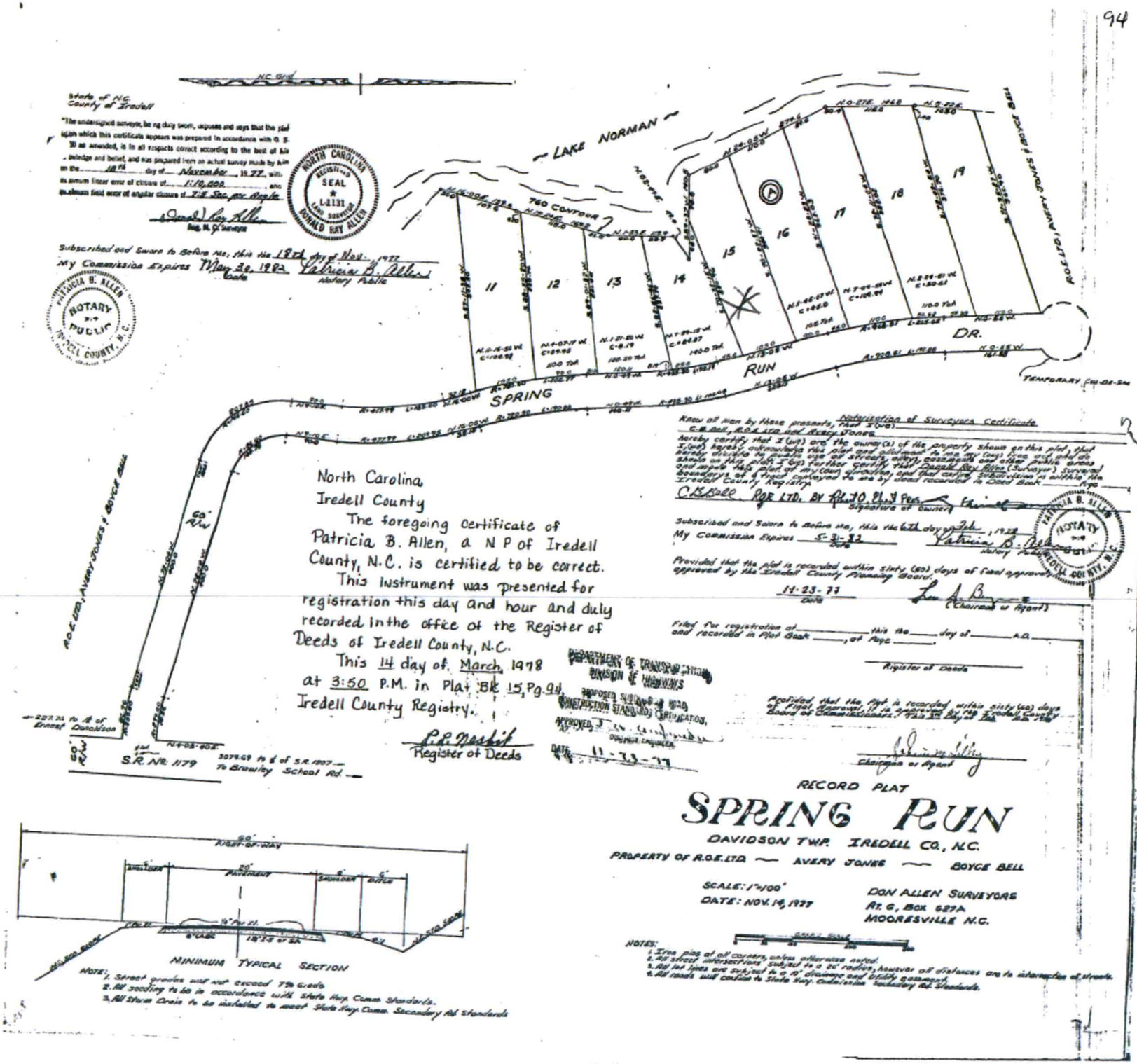
OPERATION PERMIT by: D.Weberg Date: 4/25/24

Existing System Inspected By: Date:

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


Lake Norman
N24°09'30"W
80.00
#6 Rebar Found
#4 Rebar Found
S89°39'46"W
75.19
Lake Norman
#4 Rebar Found
35' Setback
35' Setback
Proposed Pool
Proposed House
35.8
36.3
40.0
20.0
31.0
10.0
15.6
12.0
6.4
15.3
15.6
14.6
5.0
22.2
40.5
17.5
1.8
10.3
3.8
12.0
9.0
6.3
4.1
6.3
17.9
9.0
10.6
39.5
41.5
11.3
11.3
15.6
15' Setback
N70°32'57"E 340.41
S70°32'51"W 250.89
18" CPP
Catch Basin
18" CPP
Supply Line must be sleeved under existing 18" culvert pipe.
Lot 16, Spring Run Plat Book 15 at Page 94
Lot 14, Spring Run Plat Book 15 at Page 94
Lot 15
0.77 Acres
TBM 7.0'
Catch Basin
15' Setback
DRIVEWAY
7 R 7.1 34'
6 P 6.3 48'
5 B 5.7 66'
4 Y 4.5 80' Install
3 O 3.4 68'
2 R 2.2 71'
1 P 1.2 60'
127.5
40' Setback
D.B. 620, Pg. 620
B1
B2
CVB
#4 Rebar Found
R/W
Power Transformer
Catch Basin
#4 Rebar Found
S12°56'22"E 105.02
R/W
Spring Run Dr.
60' R/W
Pavement
18" RCP
Catch Basin
P.B. 15, pg. 94

SCALE
1" = 50'



State of N.C.
County of Iredell

"The undersigned surveyor, being duly sworn, deposes and says that the plat upon which this certificate appears was prepared in accordance with G. S. 39 as amended, it is in all respects correct according to the best of his knowledge and belief, and was prepared from an actual survey made by him on the 18th day of November, 19 77, with an minimum linear error of closure of 1:10,000, and an minimum field error of angular closure of 7:8 Sec per Angle

Donald Ray Allen
Reg. N. C. Surveyor

NORTH CAROLINA REGISTERED SEAL L-4131 LAND SURVEYOR DONALD RAY ALLEN

Subscribed and Sworn to Before Me, this the 18th day of Nov. 1977
My Commission Expires May 28, 1982 Patricia B. Allen
Date Notary Public

PATRICIA B. ALLEN NOTARY PUBLIC IREDELL COUNTY, N.C.

North Carolina
Iredell County

The foregoing certificate of Patricia B. Allen, a N P of Iredell County, N.C. is certified to be correct.

This instrument was presented for registration this day and hour and duly recorded in the office of the Register of Deeds of Iredell County, N.C.

This 14 day of March, 1978 at 3:50 P.M. in Plat Bk 15, Pg 94 Iredell County Registry.

C.P. Nesbit
Register of Deeds

DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS
PROPOSED SUBDIVISION ROAD CONSTRUCTION STANDARDS CERTIFICATION,
APPROVED
DISTRICT ENGINEER
DATE 11-23-77

Know all men by these presents, that Intersection of Surveyors Certificate
C.W. Bell, R.O.E. LTD and Avery Jones,
hereby certify that I (we) am/are the owner(s) of the property shown on this plat, that hereby dedicate to public use all streets, alleys, easements and other public drives and accept this plat of my (our) signature, and that said subdivision is within the Iredell County Registry.

C.W. Bell R.O.E. LTD. BY Pres. TO Pres. & Sec.
Signature of Owner

Subscribed and Sworn to Before me, this the 6th day of July, 1978
My Commission Expires 5-31-82
Date Notary Public

PATRICIA B. ALLEN NOTARY PUBLIC IREDELL COUNTY, N.C.

Provided that the plat is recorded within sixty (60) days of final approval by the Iredell County Planning Board.

11-23-77
Date

(Chairman or Agent)

Filed for registration at _____ this the _____ day of _____ A.D. and recorded in Plat Book _____, at Page _____.

Register of Deeds

Provided that the plat is recorded within sixty (60) days of final approval, it is approved by the Iredell County Board of Commissioners. This 5th Day of June A.D. 1978

Chairman or Agent

RECORD PLAT

SPRING RUN

DAVIDSON TWP. IREDELL CO., N.C.

PROPERTY OF R.O.E. LTD. — AVERY JONES — BOYCE BELL

SCALE: 1"=100'
DATE: NOV. 14, 1977

DON ALLEN SURVEYORS
Rt. 6, Box 627A
MOORESVILLE N.C.

NOTES:
1. Iron pins at all corners, unless otherwise noted.
2. All street intersections Subject to a 20' radius, however all distances are to intersection of streets.
3. All lot lines are subject to a 10' drainage and utility easement.
4. All roads will conform to State Hwy. Commission Secondary Rd. Standards.

MINIMUM TYPICAL SECTION

NOTE:
1. Street grades will not exceed 7% Grade
2. All seeding to be in accordance with State Hwy. Comm. Standards.
3. All Storm Drain to be installed to meet State Hwy. Comm. Secondary Rd Standards

PROPERTY ID #: 4636747292
COUNTY: IREDELL

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

OWNER: Boyett Family trust
ADDRESS: 121 Henry Ln Mooresville NC 28117 APPLICATION DATE
PROPOSED FACILITY: 4BR PROPOSED DESIGN FLOW (.1949): 480 GPD DATE EVALUATED: 9/8/22
LOCATION OF SITE: LOT 15 SPRING RUN MOORESVILLE NC 28117 PROPERTY SIZE: 0.77 AC
WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ■ Other Community Water 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	L/6%	0-13	RBCLWFSBK	FRSSSP	FEW SAP	50"			PS 0.3-0.325
		13-26	BRCWMSBK	FRSS					
		26-50	BRCLWFSBK	FRSSS					
2	L/7%	0-4	RBCLWFSBK	FRSSSP		50"			PS 0.3-0.325
		4-24	BRCWMSBK	FRSSS					
		24-50	RBCL/SCLWFSBK	FRSS					
3	L/5%	0-12	RBCLWFSBK	FRSSP	FEW FE DEPL 42	50"			PS 0.275
		12-22	RBCWFSBK	FRSS					
		22-42	RBCL/SCLWFSBK	FRSS					
		42-50	YRCLWFSBK/ABK	FRSS					
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	75	75
System Type(s)	PPBPS	PPBPS
Site LTAR	0.3	0.275

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: ASHLEY ROLLANS
OTHER(S) PRESENT: MASON FREEMAN & CHAD WAGNER

COMMENTS: Lot is Repair Exempt.

LICENSED SOIL SCIENTIST SAMUEL A. ROLLANS 1231 STATE OF NORTH CAROLINA

SOIL & FORESTRY SERVICES
OF THE CAROLINAS, PA

www.soilandforestryservices.com

Project#: 22-0133
December 7th, 2022

Boyett Family Trust
Attn: *Koehler Homes Inc*
Email: okoehlerhomes@aol.com

RE: Soil& Site Evaluation for a 4 Bedroom Residence at 208 Spring Run Dr., 0.77 ac Parcel, PIN# 4636747292, Mooresville, NC 28117, Iredell County, NC.

Boyett Family Trust:

At your request Soil & Forestry Services of the Carolinas (S&FS) has performed soil/site evaluations on parcel noted above. The Lot size is noted on the attached survey map & soil evaluation form. The purpose of our work was to identify soil areas with potential to support subsurface wastewater disposal systems and provide design details for Session Law submittals to Iredell County Health Department.

Site Conditions

At the time of our evaluation land cover on the property was mostly wooded on the property. Topography within the evaluated area was gentle slope near the house site with gentle percentage of slope in the proposed drainfield area. Property lines and corners were marked at the time of the evaluation by Lance Schaumback Surveyors. The Surveyor provided an Autocad File of the survey as a basemap. The proposed septic layout was located via GPS and tape measures which were used to produce the attached *Site Plan*. The house envelope was pinned in the field during our evaluation. There is an existing drainage pipe network on the property that is illustrated by the survey and Site Plan.

Methodology

We evaluated soil areas through the use of auger borings. Soil morphological conditions including color, texture, structure, etc. were reviewed in the field with three auger boring locations on the property flagged and located via GPS. Three auger borings are located in or adjacent to the proposed septic layout. Soil suitability was determined by referencing 15A NCAC 18A.1900 "Laws and Rules for Sewage Treatment and Disposal Systems". *Soil & Site Evaluation Forms* were utilized to record the soil morphological data for each boring. The house envelope was located via Survey. An on-ground layout of system and repair was performed using a laser level. Pin flag locations of the layout were also located by GPS and tape measure. Detailed system & repair information is summarized in the following paragraph for this Lot.

208 Spring Run Dr.PIN #4636747292*(See Attached Design)*
The septic layout for this lot (9' centers) yielded a total of 427 linear feet of line. The primary system is proposed as 267' of Modified Conventional (50% Reduction) drainfield with low pressure distribution. Trench depth (LOW SIDE) is specified at 30 inches. The available repair is 160' of Modified Conventional (50% Reduction) drainfield with low pressure distribution. Trench depth (LOW SIDE) is specified at 30 inches. The lot is exempt from repair. The lot is exempt from repair. See attached Plat.

Session Law Requirements

All information needed to issue the IP must be submitted with the application. The application shall include all information described in 15A NCAC 18A .1937(d) and be accompanied by a signed and dated statement from the applicant (owner or owner's legal representative) that reads as follows:

"The LSS/LG evaluation(s) attached to this application is to be used to issue an Improvement Permit in accordance with G.S. 130A-335(a2) and (a3)."

Owner

Date

Print Name Kenneth Boyett
Signature Kenneth Boyett

12/8/2022

The LSS evaluation shall include a statement bearing the LSS seal and signature that reads as follows:

"The LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-335(a2)."

Disclaimer

This report reflects the findings of S&FS, PA. *This LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-335(a2)."* Any site modifications that impact the proposed septic areas on the site may nullify this design for 208 Spring Run Dr. System design requirements and site requirements shall be adhered to for installation and Operations Permits to be issued by the local Health Department. If you have questions regarding these requirements a Pre-Construction meeting should be scheduled to discuss. Please contact S&FS if you have any questions regarding this report or the attached information. S&FS also offers septic system inspection, wetland delineation and forestry services.

Sincerely,

LICENSED SOIL SCIENTIST
SAMUEL A. ROLLANS
1231
STATE OF NORTH CAROLINA

S. Ashley Rollans, LSS
Attachment: *Septic Design*

SOIL & FORESTRY SERVICES
OF THE CAROLINAS, PA

www.soilandforestryservices.com

Attached is a proposed design for an PPBPS Septic System w/Low pressure distribution for a 4 bedroom single family residence on 208 Spring Run Dr., Lot # 15, (PIN# 4636747292), Mooresville NC, 28117.

Contents:

	Page
Information for the Installer	1
Design Information	
Design Specifications	2-3
Layout Specifications	4
System Tapsheet	5
Site Plan/System Plan	6
Calculations	7
Profile Descriptions	8
Septic Application	ONLINE
Agent Authorization	ONLINE
Green Sheet	ONLINE
Original Plat	9

LICENSED SOIL SCIENTIST
SAMUEL A. ROLLANS
1231
STATE OF NORTH CAROLINA

December 7, 2022
Project #: 22-0133
Design By: Soil & Forestry Services of the Carolinas, PA

LP PPBPS SYSTEM
FOR WASTEWATER TREATMENT

Owner/Applicant:	Boyett Family Trust
Current Address:	121 Henry Lane Mooresville, NC 28117
Phone:	
County:	Iredell
Location:	208 Spring Run Dr. Mooresville, NC 28117
Source of Wastewater Flow:	4 Bedroom Single Family Residence
Estimated Gallons Per Day Flow:	480 gpd
System Flow:	25.42 gpm

Design Specifications

Drainfield Size:	267
Loading Rate (gpd/ft.^{2}):	0.3
Depth of Gravel in Trench:	NA (PPBPS)
Gravel Size:	NA (PPBPS)
Trench Depth (LOW SIDE):	30 in., Repair 30 in.
Trench Width:	24 in.
Septic Tank Size:	1000
Pump Tank Size:	1000
Estimated Supply Line Length:	246
Supply Line Diameter:	2 in. SCH 40 PVC
Supply Line Volume:	46.46
Dosing Volume:	223.20
Supply Manifold:	N/A
Supply Manifold Length:	N/A
Supply Manifold Volume:	N/A
Recommended Float Controls:	SJE Sensor Float Control Switches as Required for Control Panel or County Approved Equivalents
Recommended Control Panel:	SJE-Rhombus Model 112 (NEMA 4x) Control Panel or County Approved Control Panel.
Pressure Head:	2 ft.
Friction Head:	4.75
Elevation Head:	14.50
Total Dynamic Head:	24.44
Threaded Union:	In Tank
Gate Valves:	1 in Tank 1 per lateral
Check Valves:	In Tank
Anti-Siphon Hole:	NA
Additional Comments:	Soil suitability was performed by Soil & Forestry Services of the Carolinas, PA

208 Spring Run Dr.

LP PPBPS

DESIGN FLOW (gpd):	480
SOIL APPLICATION RATE (gpd/ft.^{2}):	0.3
TOTAL AREA TRENCH BOTTOM:	534
TOTAL LATERAL LENGTH:	267
NUMBER OF FIELDS:	1
LATERAL LENGTH REQUIRED PER FIELD:	266.6666667
SUPPLY LINE LENGTH:	267
TOTAL DYNAMIC HEAD:	24.44
MANIFOLD SIZE:	N/A
DOSING VOLUME:	223.20
PUMP TANK DRAW DOWN*:	10.6
SEPTIC TANK SIZE:	1000
PUMP TANK SIZE:	1000

**Pump tank draw down based on a volume basis of 21 gallons per inch. Draw down may vary among pump tank manufacturers.*

208 Spring Run Dr.

Project #: 22-0133

LAYOUT FOR 3 BEDROOM HOME

December 7, 2022

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM	(top of grate)	7.0	107				
INSTR. 1							
HOUSE CNR	(RIGHT REAR)						
P. TANK				8.60	98.40		
				10.50	96.50		
1	***PINK***			***1.20***	***105.80***	***60***	***60***
2	***RED***			***2.20***	***104.80***	***71***	***71***
3	***ORANGE***			***3.40***	***103.60***	***68***	***68***
4	***YELLOW***			***4.50***	***102.50***	***80***	***68***
5	BLUE			5.70	101.30	66	66
6	PINK			6.30	100.70	48	48
7	RED			7.10	99.90	34	34
					Total	**427**	**415**

	LINE LENGTH	LTAR GPD/FT^2	SYSTEM TYPE	SOIL LTAR GPD/FT^2	TRENCH SYSTEM	DISTRIBUTION	TRENCH DEPTH (LOW SIDE)
** System*	***267***	***0.300***	***MOD.***	***0.300***	***PPBPS***	**LOW PRESSURE**	***30"***
Repair (Partial)	160	0.275	MOD.	***0.275***	PPBPS	LOW PRESSURE	***30"***

Notes:

****All septic lines and pits located via GPS and tape measures**
**All measures in feet
**Nitrification lines are demonstrated on contour via colored pin flags

LP PPBPS TAPSHEET -208 Spring Run Dr.

SYSTEM

Line #	Color	Elevation	Length	Hole Size	Flow/hole	Trench Area	Number of Panels
1	*PINK*	*105.80*	*60*	*0.156*	*0.41*	*180*	*14*
2	*RED*	*104.80*	*71*	*0.156*	*0.41*	*213*	*16*
3	*ORANGE*	*103.60*	*68*	*0.156*	*0.41*	*204*	*16*
4	*YELLOW*	*102.50*	*68*	*0.156*	*0.41*	*204*	*16*
	total	**feet =**	**267**	**gal/min =**	**25.42**		62

Des. Flow	**480**
Pump Run=	**8.78**
soil LTAR	**0.3**
LTAR +5%	**0.315**
LTAR with mod.	**0.6**
LTAR with mod.. + 5%	**0.63**

.156 equals 5/32 inch hole

CALCULATIONS

Location	208 Spring Run Dr. Mooresville, NC 28117
Project Number	22-0133
Lot No:	15
No. of Bedrooms	4
Design Flow	480 $^{gal}/_{day}$
LTAR	0.3 $^{gal}/_{ft^2\ day}$
PPBPS? (YES OR NO)	YES
Supply Line Length	267 ft.
Supply Line Volume	46.458 gal.
Required Feet of Line	266.6667 ft.
Amount of Line from Layout	267 ft.
Gallons per Minute	25.42 $^{gal}/_{min}$
Required Septic Tank Capacity	1000 gal.
Pump Tank Capacity	1000 gal.
Panel Volume	3.6 gal.
# of Panels	62
Dosing Volume	223.20 gal.

Note: Dosing Volume based on 100% of # of panels times 3.6 gal/panel

Tank Draw Down	10.6 *Generic Draw Down of 21 gal.per in.*
Pump Run Time	8.78 minutes
Elevation Head	14.5 ft.
Pressure Head	2 ft.
Friction Factor	1.78 ft./100 ft. *(From the interpolater.)*
Friction Head	4.75 ft.
Total Dynamic Head (+15%)	24.44 ft.

FRICTION FACTOR INTERPOLATER
2" SCH 40 PVC

GPM	*f*
20	0.84
	-0.88
25	1.27
	-1.28
30	1.78
	-1.76
35	2.37
	-2.25
40	3.03
43.07	3.48
45	3.77
48.14	4.28
50	4.58
57.11	5.89
60	6.42

County: Iredell

This Section for Local Health Department Use Only

Initial submittal received: 1/24/2023 (Date) by BB. (Initials)

Permit Number: BLDR-2022-12388

G.S. 130A-335(a6) states the following: *'If a local health department fails to act on an application for a construction authorization submitted pursuant to subsection (a5) of the section within 10 business days of receipt of a complete application, the local health department shall issue the construction authorization.'*

In accordance with G.S. 130A-335(a5) the construction authorization application is:

☐ Incomplete (If box is checked, information in this section is required.)

The following items are missing: _____

_____

Copies of this were sent to the AOWE/PE and the Owner on _____ (Date)

State Authorized Agent: _____ Date: _____

☐ Denied (See attached report.)

Copies of this were sent to the AOWE/PE and the Owner on _____ (Date)

State Authorized Agent: _____ Date: _____

☑ Complete

State Authorized Agent: Bijan A. B... Date of Issuance: 1/24/2023

This Construction Authorization is issued pursuant to G.S. 130A-335(a2), (a5), and (a6) using the signed and sealed plans or evaluations attached here. This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes, or if information submitted in the application was falsified, inaccurate or misleading. The Construction Authorization shall not be affected by a change in ownership of the site. This Construction Authorization is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to the conditions of this permit. The location and identification of all property lines, easements, water lines, and other appropriate utilities shall be the responsibility of the owner. Final landscaping shall be constructed to divert water and establish vegetative cover.

The Department, the Department's authorized agents, and the local health departments shall be discharged and released from any liabilities, duties, and responsibilities imposed by statute or in common law from any claim arising out of or attributed to plans, evaluations, preconstruction conference findings, submittals, or actions from a person licensed pursuant to Chapter 89C of the General Statutes as a licensed engineer or a person certified pursuant to Article 5 of Chapter 90A of the General Statutes as an Authorized On-Site Wastewater Evaluator in GS 130A-335(a2), (a5), and (a7). The Department, the Department's authorized agents, and the local health departments shall be responsible and bear liability for their actions and evaluations and other obligations under State law or rule, including the issuance of the operations permit pursuant to GS 130A-337.

Construction Authorization Expiration Date: 12/19/2027

See attached site sketch

County: Iredell.

This Section for Local Health Department Use Only

Initial submittal received: 12/16/2022 (Date) by BB. (Initials)

Permit Number: OSWP-2022-11129.

G.S. 130A-335(a4) states the following: *'If a local health department fails to act on an application for an improvement permit submitted pursuant to subsection (a3) of the section within 10 business days of receipt of a complete application, the local health department shall issue the improvement permit.'*

In accordance with G.S. 130A-335(a3) the improvement permit application is:

☐ Incomplete (If box is checked, information in this section is required.)

The following items are missing:

Copies of this were sent to the LSS and the Owner on _____ (Date)

State Authorized Agent: _____ Date: _____

☐ Denied (See attached report.)

Copies of this were sent to the LSS and the Owner on _____ (Date)

State Authorized Agent: _____ Date: _____

☑ Complete

State Authorized Agent: Benjamin A Botts Date of Issuance: 12/19/2022.

This Improvement Permit is issued pursuant to G.S. 130A-335 (a2), (a3), and (a4) using the signed and sealed LSS/LG evaluation(s) attached here. The issuance of this permit by the Health Department in no way guarantees the issuance of other permits. The permit holder is responsible for checking with appropriate governing bodies in meeting their requirements. This site is subject to revocation if the site plan, plat, or the intended use changes, or if information submitted in the application was falsified, inaccurate or misleading. The Improvement Permit shall not be affected by a change in ownership of the site. This permit is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to conditions of this permit. The location and identification of all property lines, easements, water lines, and other appropriate utilities shall be the responsibility of the owner.

The Department, the Department's authorized agents, and the local health departments shall be discharged and released from any liabilities, duties, and responsibilities imposed by statute or in common law from any claim arising out of or attributed to evaluations, submittals, or actions from a licensed soil scientist or licensed geologist pursuant to GS 130A-335(a2).

Improvement Permit Expiration Date: 12/19/2027.

See attached site sketch

County: Iredell

IMPROVEMENT PERMIT FOR G.S. 130A-335(a2)/SL2022-11

PIN/Lot Identifier: 4636747292

Issued To: Boyett Family Trust

Property Location: 208 Spring Run

Subdivision: Spring Run Lot #: 15 Block: _____ Section: _____

LSS Report Provided: Yes ☑ No ☐

If yes, name and license number of LSS: Samuel Ashley Rollans #1731

New ☑ Repair ☐ Expansion ☐ System Relocation ☐

Proposed Structure: Residence

Proposed Wastewater System Type: _____ (Initial) _____ (Repair)

Fill System: ☐ Yes ☑ No If yes, specify: ☐ New ☐ Existing (when adding more than 6 inches of fill to system area please provide a fill plan)

Proposed Design Daily Flow: 480 GPD Proposed LTAR (Initial): 0.3 Proposed LTAR (Repair): 0.275

Design Wastewater Strength: ☑ domestic ☐ high strength ☐ industrial process

Number of bedrooms: 4 Number of Occupants: 8 Other: _____

Pump Required: ☑ Yes ☐ No ☐ May be required based upon final location and elevations of facilities

Artificial Drainage Required: ☐ Yes ☑ No If yes, please specify details: _____

Type of Water Supply: ☐ Private well ☐ Public well ☐ Municipal Supply ☐ Spring ☑ Other: Community water

Drainfield location meets requirements of Rule .1945: Yes ☑ No ☐

Drainfield location meets requirements of Rule .1950: Yes ☑ No ☐

Permit valid for: ☑ Five years [site plan submitted pursuant to GS 130A-334(13a)] ☐ No expiration [plat submitted pursuant to GS 130A-334(7a)]

Permit conditions:

Licensed Soil Scientist Print Name: Samuel Ashley Rollans

Licensed Soil Scientist Signature: Samuel A Rollans Date: 12/7/22

The LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-335(a2).

See attached site sketch

County: Iredell

CONSTRUCTION AUTHORIZATION FOR G.S. 130A-335(a2)/SL2022-11

PIN/Lot Identifier: 4636747292

Issued To: Boyett Family Trust

Property Location: 208 Spring Run

AOWE/PE Plans/Evaluations Provided: Yes ☑ No ☐ If yes, name and license number of AOWE/PE: Samuel Ashley Rollins 10027E

Facility Type: Residence

☑ New ☐ Expansion ☐ Repair System Relocation ☐

Basement? ☐ Yes ☑ No Basement Fixtures? ☐ Yes ☐ No

Type of Wastewater System** PPBFS w/LP (Initial) PPBFS w/LP (Repair)

Design Daily Flow: 480 GPD Wastewater Strength: ☑ domestic ☐ high strength ☐ industrial process

Session Law 2014-120 Section 53, Engineering Design Utilizing Low-flow Fixtures and Low-flow Technologies? ☐ Yes ☑ No

Installation Requirements/Conditions

Septic Tank Size: 1000 gallons Total Trench/Bed Length: 267 feet Trench/Bed Spacing: 9 feet on center

Drainfield square footage: 534 Trench/Bed Width: 24 inches LTAR: 0.3 gpd/ft²

Soil Cover: 6 inches min Slope Adjusted Maximum Trench/Bed Depth: 30 inches (LOW SIDE)

Aggregate Depth: ____inches above pipe ____inches below pipe ____inches total

Pump Tank Size (If applicable): 1000 gallons Requires more than 1 pump? ☐ Yes ☑ No

Pump Requirements: 24.44 ft. TDH vs. 25.42 GPM Grease Trap Size (If applicable): ____ gallons

Distribution Method: ☐ Serial ☐ D-Box or Parallel ☐ Pressure Manifold(s) ☑ LPP ☐ Other:

Artificial Drainage Required: Yes ☐ No ☑ If yes, please specify details:

Legal Agreements *(If the answer is "Yes" to any type of legal agreements, please attach a copy of the agreement.)*

Multi-party Agreement Required [.1937(h)]: Yes ☐ No ☑

Easement, Right-of-Way, or Encroachment Agreement Required [.1938(j)]: ☐ Yes ☑ No

Declaration of Restrictive Covenants: ☐ Yes ☑ No

If applicable:
I understand the system type specified is different from the type specified on the application. I accept the specifications of this permit.

Owner/Legal Representative Print Name: Kenneth Boyett

Owner/Legal Representative Signature: Kenneth Boyett Date: 12/8/2022

Pre-Construction Conference Required: Yes ☐ No ☑

Conditions:

The construction and installation requirements of Rules .1950, .1952, .1954, .1955, .1956, .1957, .1958, and .1959 are incorporated by reference into this permit and shall be met. Systems shall be installed in accordance with the attached system layout.

AOWE/PE Print Name: Samuel Ashley Rollins

AOWE/PE Signature: Samuel Ashley Rollins Date: 12/7/22

This AOWE/PE submittal is pursuant to and meets the requirements of G.S. 130A-335(a2) and (a5).

See attached site sketch

SOIL & WATER CONSERVATION DISTRICT SITE VISIT STEWARD Certification Number 10027E EVALUATOR