ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT # OSWP-2022-8865

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

PIN # 4626-07-2658

APPLICANT / OWNER: BENEFIELD OUTDOOR SERVICES & SOLUTIONS | APPLICANT ADDRESS: 939 Brawley School Rd, Mooresville, NC 28117

SITE ADDRESS: 113 SPEARS CREEK DR, MOORESVILLE, NC 28117 | PHONE: 7043600376 | ALT. PHONE:

SITE DIRECTIONS: Brawley School Rd to Spears

SAP CONTROLLED: YES ☐ NO ☒

SUBDIVISION: The Farms | SECTION: 4 | LOT #: 461 | LOT AREA: 0.741 | DESIGN FLOW: 480 | L.T.A.R.: .30

Septic Tank: (gal) 1000	STB: Existing	Date:	☑ New System ☐ Repair ☐ Expansion	System Type: II	☑ Residence	No. Bedrooms: 4	Water Supply: Community Well
Pump Tank: (gal) 1000	PT: Existing	Date:	System Description: Existing (+) PM Accepted		☐ Business	No. Persons: 8	
Pump Make:	Model:	Serial #:	Repair System Description: LPP BPS - Horizontal.		☐ Other	No. Employees: 0	
# Nitrification Fields: 1	# Lines: 3	Linear Ft.: 114.	Maintenance Agreement Required: ☐ YES ☑ NO		☐ Slab	☑ Crawl Space	
Trench Width: 36in	Trench Bottom Depth (~~Low side~~): 36in max		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:

Benfield Outdoor Services + Solutions LLC

LSS# 1258

AS BUILT SKETCH

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 mo. AUTHORIZATION TO CONSTRUCT valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.

Owner / Applicant Signature: _____ Date: _____

IMPROVEMENT PERMIT by: Benjamin Bass Date: 12-15-2022

AUTHORIZATION TO CONSTRUCT by: Benjamin Bass Date: 1/31/22.

Installed By: Michael Benfield

OPERATION PERMIT by: Sydney Holland Date: 2/16/23

Existing System Inspected By: _____ Date: _____

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

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Pump Tank: (gal) 1000	PT: Existing	Date:	System Description: Existing (+) PM Accepted		☐ Business	No. Persons: 8	
Pump Make:	Model:	Serial #:	Repair System Description: LB- PPBPS-Horizontal.		☐ Other	No. Employees: 0	
# Nitrification Fields: 1	# Lines: 3	Linear Ft.: 114.	Maintenance Agreement Required: ☐ YES ☑ NO		☐ Slab	☑ Crawl Space	
Trench Width: 36in	Trench Bottom Depth (~~Low side~~): 36in max		Gravel Depth:	☐ GRAVITY ☐ PRESSURE	☐ Basement w/ Plumbing	☐ Basement w/o Plumbing	

Comments / Conditions:

INITIAL SITE SKETCH

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Benfield Outdoor Services + Solutions LLC

LSS# 1258

AS BUILT SKETCH

1/24/23: Lines 4, 5, 6 dammed off, DW
Lines 4 & 5 connected

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☐ IMPROVEMENT PERMIT with plat valid without expiration. ☑ IMPROVEMENT PERMIT with site plan valid for 60 mo. AUTHORIZATION TO CONSTRUCT valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.

Owner / Applicant Signature: Date: Installed By: Benfield Sanitation

IMPROVEMENT PERMIT by: Benjamin A Bass Date: 12-15-2022 OPERATION PERMIT by: Date:

AUTHORIZATION TO CONSTRUCT by: Date: Existing System Inspected By: Date:

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

County: Iredell

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

PIN/Lot Identifier: 4626072658

Issued To: Kevin and Heather McDonough

Property Location: 113 Spears Creek Dr. Mooresville, NC

Subdivision: The Farms Lot #: 461 Block: - Section: -

LSS Report Provided: Yes ☑ No ☐

If yes, name and license number of LSS: Miranda Stamper 1258

New ☐ Repair ☐ Expansion ☐ System Relocation ☑

Proposed Structure: Swimming Pool

Proposed Wastewater System Type: 25% reduction chambers (Initial) LP PPBPS (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): 0.3

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

Number of bedrooms: 4 Number of Occupants: 8 max 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:

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: Miranda Stamper

Licensed Soil Scientist Signature: Miranda Stamper Digitally signed by Miranda Stamper Date: 2022.11.07 12:03:28 -05'00' Date: 11/7/22

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

See attached site sketch

County: Iredell.

This Section for Local Health Department Use Only

Initial submittal received: 12-1-2022 (Date) by BB. (Initials)

Permit Number: OSWP-2022-8865

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 Bell Date of Issuance: 12-15-2022

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: 12-15-2027

See attached site sketch

LINE SCHEDULE

LINE NUMBER	COLOR	FIELD ELEVATION	LENGTH (FT)	DESIGN LENGTH (FT)
1	GREEN	1.7	50	22
2	BLUE	2.2	68	66
3	PINK	2.8	26	26
4	EXISTING O	3.1	98	70
5	EXISTING Y	3.5	102	78
6	EXISTING P	4.1	98	70
7	EXISTING G	4.5	102	70
8	BLUE	4.9	47	0
9	RED	5.3	27	0
10	ORANGE	6.3	34	0
11	PINK	7.1	20	0
12	ORANGE	8.5	72	0
13	YELLOW	9.4	72	0
			TOTAL	TOTAL
			816	402

113 SPEARS CREEK DRIVE, MOORESVILLE NC.
SECTION 4, LOT 461 THE FARMS

4-BEDROOM PRESSURE MANIFOLD ACCEPTED SYSTEM
INSTALL LINES 1-3 AND USE LINES 4-7
TOTAL 402 LINEAR FT (USE 402')
LTAR 0.3
25% REDUCTION 9' OC
30-36" MAX TRENCH BOTTOM

4-BEDROOM LP PPBPS SYSTEM (HORIZONTAL)
TOTAL 300 LINEAR FEET
LTAR 0.3
26" TRENCH BOTTOM

FOR GENERAL USE NOT A SURVEY
PRELIMINARY NOT FOR CONSTRUCTION

Notes: SOIL INFORMATION PROVIDED BY MIRANDA STAMPER LSS

CONDITIONS: MUST BE INSTALLED BY A LICENSED SEPTIC INSTALLER. DRAINFIELD AREA MUST MAINTAIN NATURAL CONTOURS & SLOPE. IMPROPER OR EXCESSIVE GRADING WILL VOID THIS DESIGN AND BOSS IS NOT LIABLE.

INSTRUCTIONS: REDUCE EXISTING LINES 4-7 TO MEET SETBACKS FROM PROPOSED POOL
LINE 4 BY 28', LINE 5 BY 23', LINE 6 BY 28', LINE 7 BY 25'

REDUCE THE END OF LINE 7 TO MEET 15' SETBACK FROM CUT

LICENSED SOIL SCIENTIST
MIRANDA E. STAMPER
STATE OF NORTH CAROLINA
MES Stamper 11-7-22

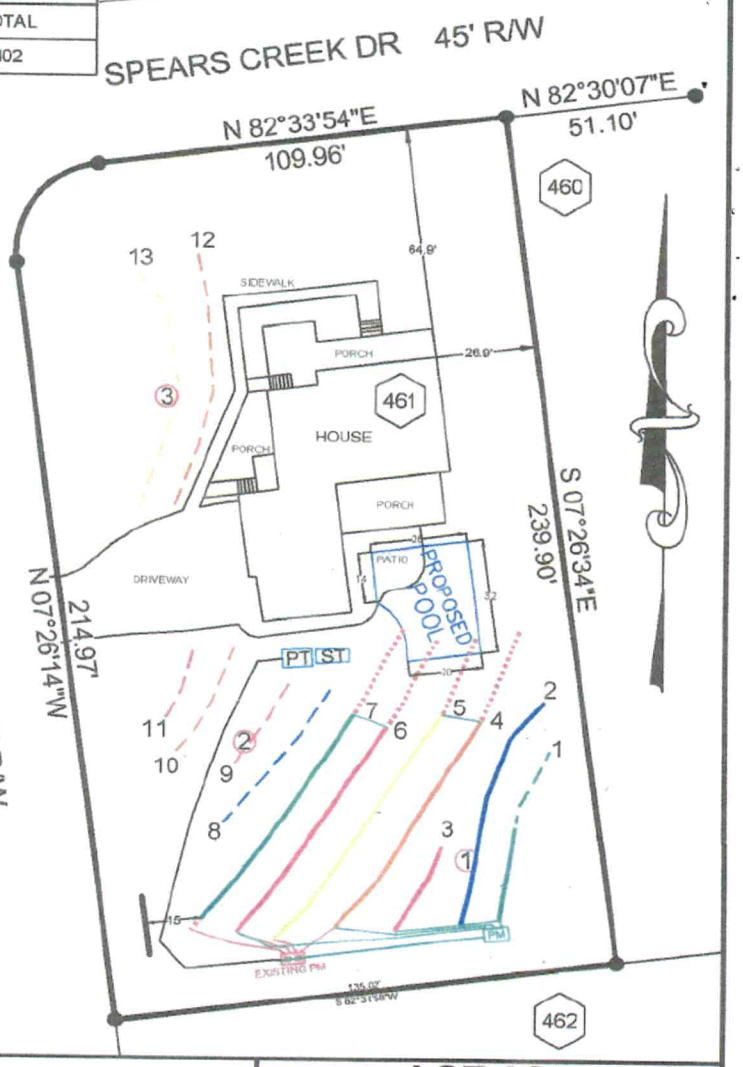
SCALE
1" = 50 ft

ADD LINE/PVC

INITIAL LINE

REPAIR LINE

REMOVE LINE



BOSS

Benfield Outdoor Services & Solutions, LLC
939 Brawley School Rd, Mooresville, NC 28117 Ph:704-360-0376
info@yardsbyboss.com

KEVIN MCDONAUGH

LOT 461
113 SPEARS CREEK DR,
MOORESVILLE, NC
IREDELL COUNTY

DATE: 11/04/22 DRAWN BY: MDB REVIEWED BY: MES

Sheet 1 of 1
PROPERTY ID #: 4626072658.000
COUNTY: Iredell

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

OWNER: _____ Lot # 461 The Farms
ADDRESS: 113 Spears Creek Dr
PROPOSED FACILITY: 4 BR
PROPOSED DESIGN FLOW (.1949): 480
LOCATION OF SITE: _____
APPLICATION DATE: _____
DATE EVALUATED: 9/21/22
PROPERTY SIZE: 0.74
PROPERTY RECORDED: _____
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
B1	L 2-3%	0-3	GR SL	NS NP FR	-	48"+	-	-	0.3 S
		3-37	SBK C	SS SP FI					
		37-48	WSBK SL	SS SP FR					
B2	L 4-5%	0-8	SBK SCL	SS SP FI	-	48"+	-	-	0.3 S
		8-38	SBK C	SS SP FI					
		38-48	WSBK CL	SS SP FR					
B3	L 4-5%	0-12	SBK CL	SS SP FI	-	38"+	-	-	0.3 S
		12-38	SBK C	SS SP FI					

LICENSED SOIL SCIENTIST
MIRANDA E. STAMPER
STATE OF NORTH CAROLINA
1253
M.E. Stamper 9/30/22

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	400 LF	
System Type(s)	25% REDUCTION	
Site LTAR	0.3	

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____
EVALUATED BY: Miranda Stamper
OTHER(S) PRESENT: Michael Benfield

COMMENTS: _____

BENFIELD OUTDOOR SERVICES & SOLUTIONS

Benfield Outdoor Services & Solutions
Phone: (704) 360-0376
939 Brawley School Rd.
Mooresville, North Carolina 28117
Info@yardsbyboss.com
LLS: Miranda Stamper #1258

Iredell County Environmental Health Department
610 East Center Avenue
Mooresville, NC 28115
Phone: 704-664-5281
Fax: 704-664-9737

November 7, 2022

Recommended Wastewater Disposal System
Owner: Kevin & Heather McDonough
PIN: 4626072658.000

To whom it may concern,

You will find attached a copy of the wastewater disposal system proposed for the owners Kevin & Heather McDonough The lot of 461, PIN # 4626072658.000

located on Spears Creek Drive is in Iredell County. Also attached are the sealed soil notes, site plan and design for an onsite wastewater disposal system. The LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-335(a2). Please review the attached proposal and contact me if you have any questions or concerns.

The LSS evaluation attached to this application is to be used to produce design and construction features for permitting in accordance with G.S. 130A-335(a2)."

Owner: Kevin + Heather McDonough

Signature: [signature]

Signature: Heather McDonough

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

Miranda Stamper, LSS

Signature: Miranda Stamper, LSS