Bldr-2023-28966

ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT # OSWP-2023-22178

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

PIN # 4636-65-6619

APPLICANT / OWNER: Benfield Outdoor Services & Solutions APPLICANT ADDRESS: 939 Brawley School Rd, Mooresville NC 28117

SITE ADDRESS: 253 MALLARD WAY, MOORESVILLE, NC 28117 PHONE: 704-360-0376 ALT. PHONE:

SITE DIRECTIONS: W Brawley School -> L Webbed Foot -> R Mallard Way -> lot on L SAP CONTROLLED: YES ☐ NO ☑

SUBDIVISION: Mallard Head Country Club SECTION: N/A LOT #: 151 LOT AREA: 0.5 DESIGN FLOW: 480 L.T.A.R.: 0.3

Septic Tank: 1000 (gal)	STB: Infiltrator	Date:	☒ New System ☐ Repair ☐ Expansion	System Type: III	☑ Residence	No. Bedrooms: 4	Water Supply: New Well
Pump Tank: (gal)	PT:	Date:	System Description: 25% Reduction		☐ Business	No. Persons: 8	
Pump Make:	Model:	Serial #:	Repair System Description: 50% Reduction		☐ Other	No. Employees:	
# Nitrification Fields: 1	# Lines: 4	Linear Ft.: 400	Maintenance Agreement Required: ☐ YES ☑ NO		☐ Slab	☑ Crawl Space	
Trench Width: 36	Trench Bottom Depth (~~Trench~~): 36 MAX		Gravel Depth: 0	☑ GRAVITY ☐ PRESSURE	☐ Basement w/ Plumbing	☐ Basement w/o Plumbing	

Comments / Conditions: Do not pave, grade, drive, park, or bury utilities in drainfield area. Install on contour, divert any drainage from drainfield. See attached design

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:

Stamper Soil Services / BOSS

LSS# 1258 - Miranda Stamper

AS BUILT SKETCH

Installed as Drawn -

As Built Attached

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: Michael Benfield Date:

IMPROVEMENT PERMIT by: D. Webber Date: 4/27/23

AUTHORIZATION TO CONSTRUCT by: P. Webber Date: 5/1/23

Installed By: Tim Ammons

OPERATION PERMIT by: Tim Ammons Date: 10/3/23

Existing System Inspected By: Date:

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

As Built NTS

LINE SCHEDULE				
LINE NUMBER	COLOR	FIELD ELEVATION	LENGTH (FT)	DESIGN LENGTH (FT)
1	WHITE	1.2	26	0
2	ORANGE	2.0	50	0
3	RED	2.9	75	74
4	GREEN	3.6	110	110
5	BLUE	4.3	120	118
6	YELLOW	5.7	100	98
7	ORANGE	6.7	81	0
8	RED	8.3	59	0
9	GREEN	9.7	47	0
10	BLUE	11.0	28	0
			TOTAL	TOTAL
			696	400

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.

SCALE:
1" = 40 ft.

SYSTEM LINE

REPAIR LINE

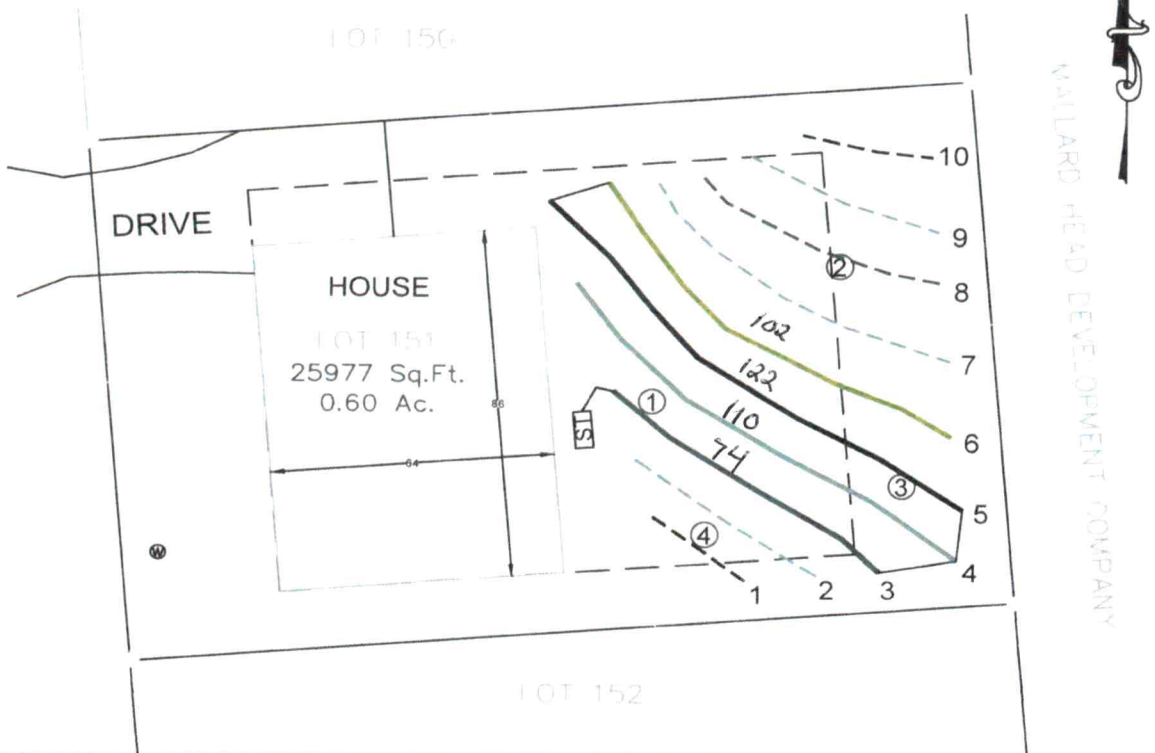
MALLARD WAY, MOORESVILLE NC.
SECTION 2B, LOT 151 MALLARD HEAD

4-BEDROOM GRAVITY ACCEPTED SYSTEM
LINES 3-6 TOTAL 400 LINEAR FT
LTAR 0.3
25% REDUCTION 9' OC
36" MAX TRENCH BOTTOM

4-BEDROOM LP PPBPS SYSTEM (VERTICAL)
LINES 5-7 TOTAL 291'
LTAR 0.3
36" TRENCH BOTTOM

FOR GENERAL USE NOT A SURVEY
PRELIMINARY NOT FOR CONSTRUCTION

INFORMATION FOR INSTALLER: SEPTIC TANK MUST MEET SETBACKS FROM ANY FOUNDATION AND DRAINFIELD



BOSS	Benfield Outdoor Services & Solutions 939 Brawley School Rd. Mooresville, NC 28117 Ph 704-658-8618 INFO@YARDSBYBOSS.COM	PAM LINER	**LOT 151** MALLARD WAY, MOORESVILLE, NC IREDELL COUNTY DATE: 4/07/23 DRAWN BY: MDB CHECKED BY: MES

LINE SCHEDULE				
LINE NUMBER	COLOR	FIELD ELEVATION	LENGTH (FT)	DESIGN LENGTH (FT)
1	WHITE	1.2	26	0
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MALLARD WAY, MOORESVILLE NC.
SECTION 2B, LOT 151 MALLARD HEAD

4-BEDROOM GRAVITY ACCEPTED SYSTEM
LINES 3-6 TOTAL 400 LINEAR FT
LTAR 0.3
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36" MAX TRENCH BOTTOM

4-BEDROOM LP PPBPS SYSTEM (VERTICAL)
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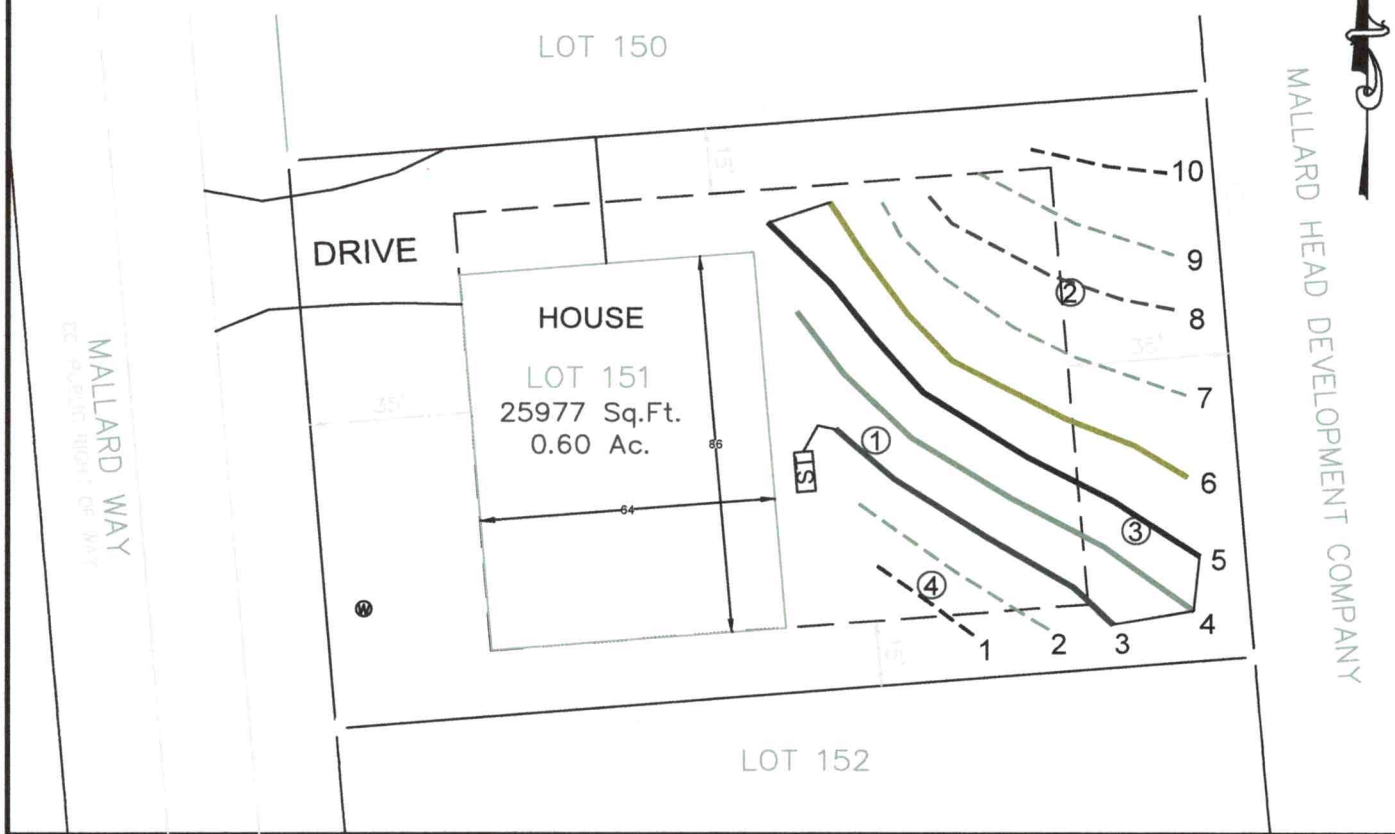
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INFORMATION FOR INSTALLER: SEPTIC TANK MUST MEET SETBACKS FROM ANY FOUNDATION AND DRAINFIELD

SCALE:
1" = 40 ft.

SYSTEM LINE

REPAIR LINE



BOSS

Benfield Outdoor Services & Solutions
939 Brawley School Rd, Mooresville, NC 28117 Ph:704-658-8616
INFO@YARDSBYBOSS.COM

PAM LINER

LOT 151
MALLARD WAY,
MOORESVILLE, NC
IREDELL COUNTY

DATE: 4/07/23 DRAWN BY: MDB CHECKED BY: MES

BOSS
939 BRAWLEY SCHOOL RD
MOORESVILLE, NC

Sheet 1 of 1
PROPERTY ID #: 4636656619
COUNTY: IREDELL

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

OWNER: _____ Lot # 151 MALLARD WAY MOORESVILLE NC 28117 APPLICATION DATE: _____
ADDRESS: _____ DATE EVALUATED: 3/16/23
PROPOSED FACILITY: 4-bedroom PROPOSED DESIGN FLOW (.1949): 480 PROPERTY SIZE: 0.6 ACRES
LOCATION OF SITE: _____ 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)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941' CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
B1	L 5%	0-3	GR SCL	NS NP FR	-	48"	FEW TO COMMON INCLUSIONS@ 32"	-	0.3
		3-11	SBK SCL	NS NP FI					
		11-48	SBK CL	SS SP FI					
B2	L 6%	0-2	GR SCL	NS NP FR	-	48"	FEW TO COMMON INCLUSIONS@ 40"	-	0.3
		2-10	SBK SCL	NS NP FI					
		10-48	SBK CL	SS SP FI					
B3	L 6%	0-3	GR SCL	NS NP FR	-	48"	-	-	0.3
		3-10	SBK SCL	NS NP FI					
		10-48	SBK CL	SS SP FI					
B4	L 6%	0-2	GR SCL	NS NP FR	-	48"	FEW TO COMMON INCLUSIONS@ 40"	-	0.3
		2-6	SBK SCL	NS NP FI					
		6-48	SBK CL	SS SP FI					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	400 LF	291 LF
System Type(s)	25% reduction chamber	LP PPBPS VERTICAL
Site LTAR	0.3	0.3

OTHER FACTORS (.1949): _____
SITE CLASSIFICATION (.1948): S
EVALUATED BY: MIRANDA STAMPER
OTHER(S) PRESENT: MICHAEL BENFIELD

LICENSED SOIL SCIENTIST
MIRANDA E. STAMPER
4/14/23
STATE OF NORTH CAROLINA

COMMENTS: _____

Updated March 2022

County: Iredell

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

PIN/Lot Identifier: 4636656619

Issued To: Pam Liner

Property Location: Mallard Way, Mooresville NC

Subdivision: Mallard Head Country Club Lot #: 151 Block: _____ Section: _____

LSS Report Provided: Yes ☑ No ☐

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

New ☑ Repair ☐ Expansion ☐ System Relocation ☐

Proposed Structure: 4 Bedroom Residence

Proposed Wastewater System Type: PM to 25% Red (Initial) LP PPBPS 50% Red (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): .3 Proposed LTAR (Repair): .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:

Must be Installed by a Licensed Septic Installer. Drainfield area must maintain natural contours.

Licensed Soil Scientist Print Name: Miranda Stamper

Licensed Soil Scientist Signature: Miranda Stamper Date: 4/14/23

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: 4/17/23 (Date) by online (Initials)

Permit Number: OSWP-2023 22178

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: D. Webey Date of Issuance: 4/27/23

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: _____

See attached site sketch

DigiSign Verified: 637620E2-C3EA-4EC1-8ADF-A56410F0C9B5

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

Attention:
Iredell County Environmental Health Department
Address: 610 E Center Ave, #100, Mooresville NC
Phone: 704-664-5281

Recommended Wastewater Disposal System

Owner: Pam Liner
PIN: 4636656619
Address: To the left of 263 Mallard Way, Mooresville NC

To whom it may concern,

You will find attached a copy of the wastewater disposal system proposed for the owners Pam Liner of lot #(s) 151, PIN # 4636656619 on 3-27-23 in Iredell County. Also attached are the sealed soil notes, site plan and design for an onsite wastewater disposal system. The LSS evaluation attached to this application is to be used to issue an Improvement Permit in accordance with G.S. 130A-335(a2) and (a3). 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: Pam Liner

Signature: Pam Liner

Signature: _____

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