ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # AP 319818

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

PIN # 4624--23--3775

APPLICANT/OWNER: Benfield Outdoor / Julian Abery APPLICANT ADDRESS: 939 Brawley School Rd, Mooresville NC 28117

SITE ADDRESS: 2584 Brawley School Rd, Mooresville NC 28117 PHONE: 704-658-8616 ALT. PHONE

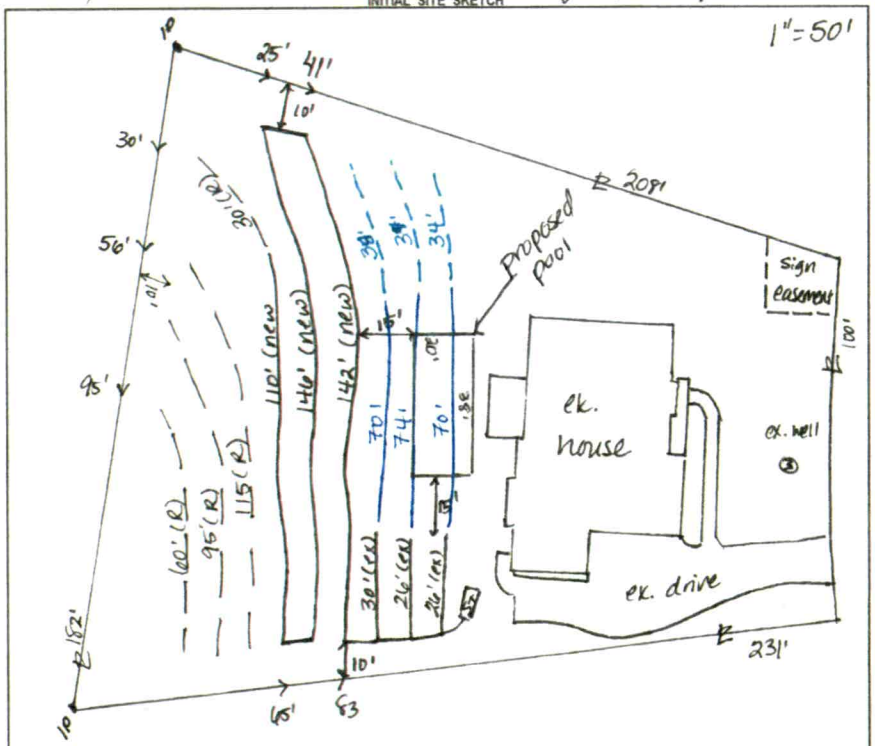
SITE DIRECTIONS: (W) Brawley School Road → continue to end → lot on (R) SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Lakeside on Brawley SECTION: N/A LOT # 9 LOT AREA: 0.69 (ac) DESIGN FLOW: 480 gpd L.T.A.R.: 0.25(I)/0.275 (R)

Septic Tank EXISTING (gal)	STB	Date	☒ New System ☐ Repair ☐ Expansion System Type: I II III IV V VI	☒ Residence	No. Bedrooms 4	Water Supply
Pump Tank (gal)	PT	Date	System Description: Relocation - 25% reduction	☐ Business	No. Persons 8	☒ Private
Pump Make	Model	Serial #	Repair System Description: PPBPS - 300'	☐ Other	No. Employees	☐ Public
# Nitrification Fields 1	# Lines 3 (+3 ex.)	Linear Ft 398'	Maintenance Agreement Required: ☐ YES ☒ NO	☐ Slab	☒ Crawl Space	☐ Community
Trench Width 36"	Trench Bottom Depth(Low side) 30" (36" max)	Gravel Depth N/A	☒ GRAVITY ☐ PRESSURE	☐ Basement w/plumbing	☐ Basement w/o plumbing	

Comments / Conditions: Existing lines kept: total 82'. Adding 398' Maintain fall between lines. Install on contour of land, use serial distribution. Do not grade, pave, park, drive or bury utilities in drainfield. Keep water lines 10' off system. Pool area MUST be marked at time of installation

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.

Lines in Blue to be removed - total = 214'

Lines in Green - no longer in use for = 106' initial OR repair

SEE ATTACHED AS BUILT 4/6/23

gas line through drainfield -
142' → now 122'
146' → now 118'
installing 50' off
1115' repair line,
new repair shown
on as built.

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 chan

☐ IMPROVEMENT PERMIT *with plat* valid without expiration. ☒ IMPROVEMENT PERMIT *with site plan* valid for 60 mos. ☒ AUTHOR ...IOR TO ANY EXCAVATION ...T--not to exceed 60 mo.

Owner / Applicant Signature: Date: 9/2/21 Installed by: Benfield Outdoor

IMPROVEMENT PERMIT by: D. Mebez Date: 9/1/21 OPERATION PERMIT by: Sarah Bracken Date: 4/6/23

AUTHORIZATION TO CONSTRUCT by: D. Mebez Date: 9/1/21 Existing System Inspected by: Date:

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

LINE SCHEDULE

LINE NUMBER	COLOR	FIELD ELEVATION	LENGTH (FT)	DESIGN LENGTH (FT)
1	EXISTING W	2.7	128	26
2	EXISTING Y	3.4	133	26
3	EXISTING O	3.9	132	30
4	PINK	4.5	142	142
5	RED	5.2	147	146
6	WHITE	5.8	141	110
7	YELLOW	6.4	115	0
8	ORANGE	7.1	95	0
9	RED	7.8	66	0
			TOTAL	TOTAL
			1099	480

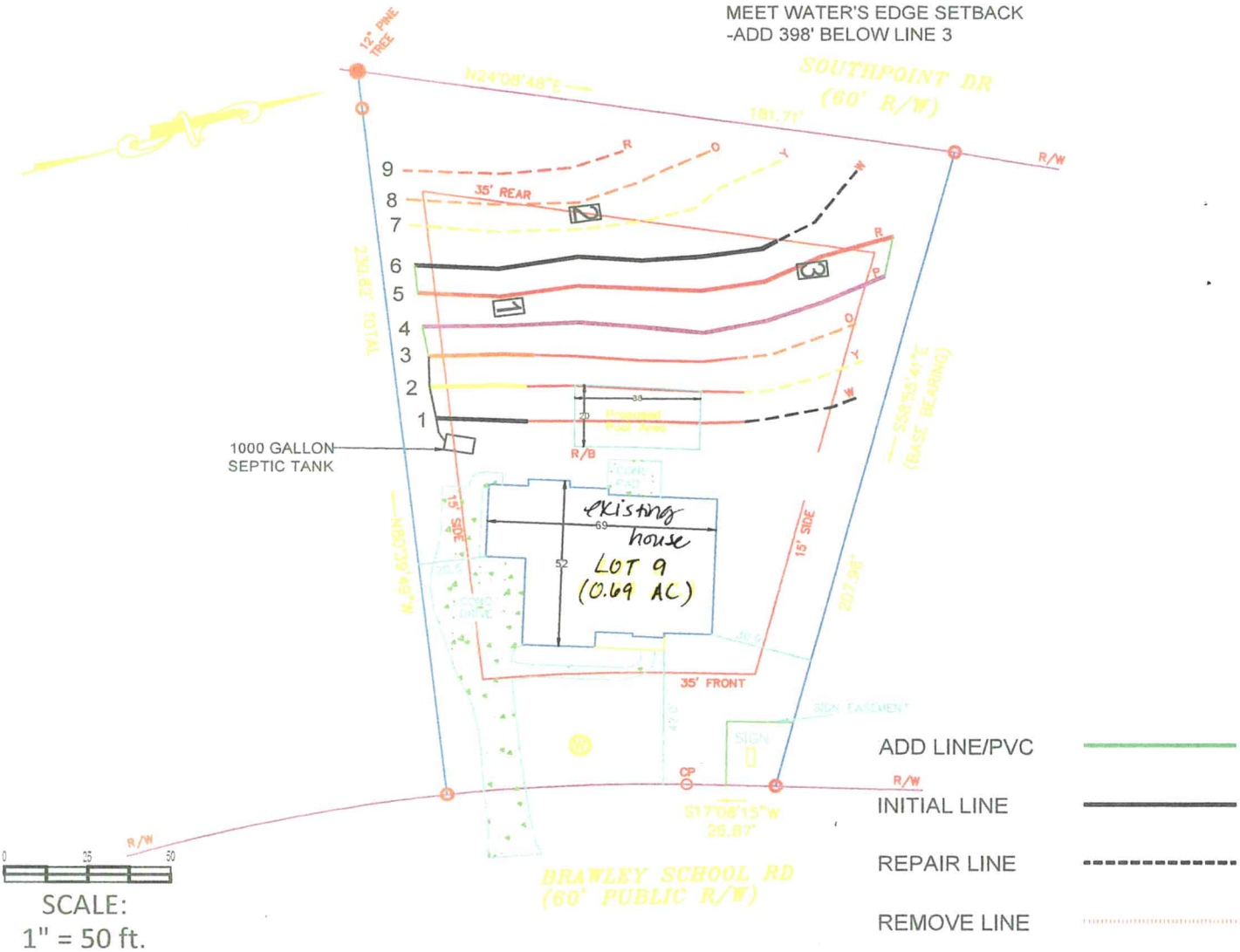
2584 BRAWLEY SCHOOL RD, MOORESVILLE NC.
SECTION -, LOT 9 LAKESIDE ON BRAWLEY

4-BEDROOM GRAVITY ACCEPTED SYSTEM
USE 28' OF LINES 1-2 AND 32' OF LINE 3
ADD LINES 4-6A
TOTALING 482 LINEAR FT (USE 480')
LTAR 0.25
25% REDUCTION 9' OC
30-36" TRENCH BOTTOM

4-BEDROOM T&J PANEL BLOCK SYSTEM
TOTAL 305 LINEAR FEET
LTAR 0.275
36" TRENCH BOTTOM

FOR GENERAL USE NOT A SURVEY
PRELIMINARY NOT FOR CONSTRUCTION

Notes: SOIL INFORMATION PROVIDED BY IREDELL CO
-ADD END CAPS TO FIRST THREE EXISTING LINES TO MEET WATER'S EDGE SETBACK
-ADD 398' BELOW LINE 3

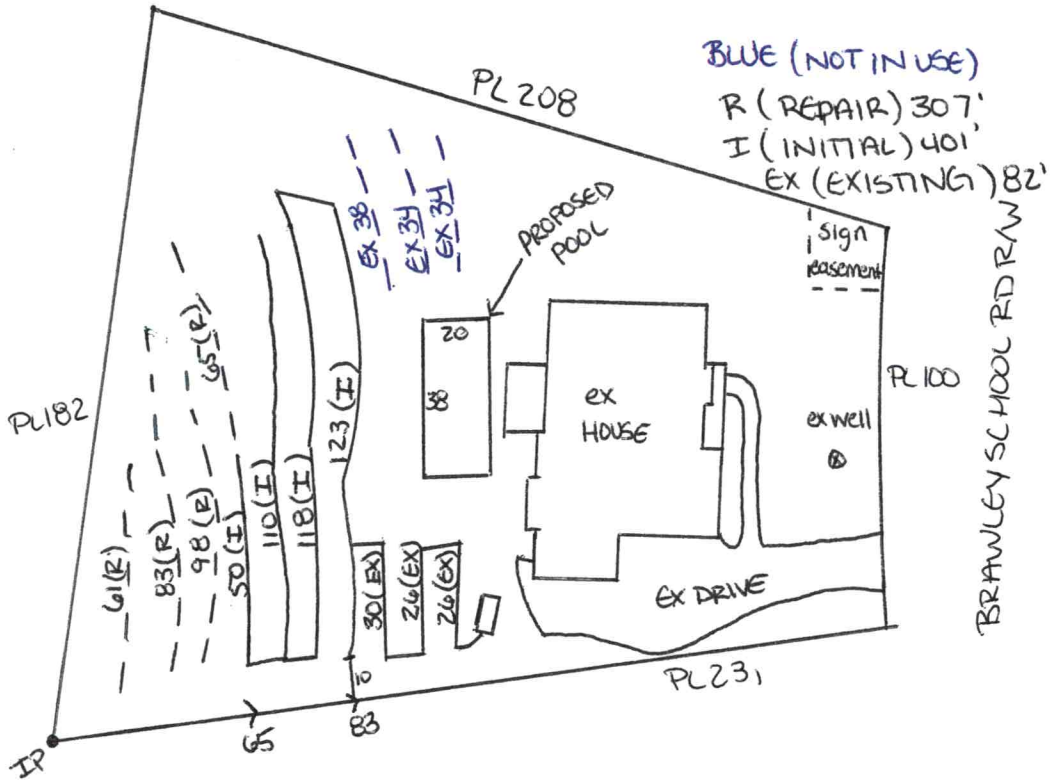


BOSS	Benfield Outdoor Services & Solutions, LLC 939 Brawley School Rd, Mooresville, NC 28117 Ph:704-360-0376 Info@yardsbyboss.com	Julian Abery	**LOT 9** 2584 BRAWLEY SCHOOL RD, MOORESVILLE, NC IREDELL COUNTY DATE: 8/27/21 DRAWN BY: MDB CHECKED BY: MDB

2584 BRAWLEY SCHOOL RD

AS BUILT 4/6/2023 [SCALE 1" = 50']

Sarah Baellen



DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

Sheet 1 of 1
PROPERTY ID #: 4024 23 3778
COUNTY: Iredell

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

Relocation for pool

~~398'~~ 398'

OWNER: Julian Abery
ADDRESS: 2584 Brawley School Rd, Mooresville
PROPOSED FACILITY: 398'
LOCATION OF SITE: 2584 Brawley School Rd, Mooresville

APPLICATION DATE: 7/20/21
DATE EVALUATED: 8/27/21
PROPOSED DESIGN FLOW (.1949): 480 gpd
PROPERTY SIZE: 0.69
PROPERTY RECORDED: Yes

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	LS 7%	0-9	CL - SBK	SSSP-FR-SEXP	YB @ 36" sap incl below	52" mn incl	N/A	N/A	PS 0.275
		9-36	C - SBK	|			9-36"		
		36-52	CL - SBK	|					
2	LS 6%	0-13	CL SBK	SSSP-FR-SEXP	mn incl throughout sap incl in CL	57"	N/A	N/A	PS 0.275
		13-36	C - SBK	|					
		36-57	CL - SBK	|					
3	LS 7%	0-10	CL SBK	SSSP-FR-SEXP	YB mottles, mn to 30" fairly common	50"	N/A	N/A	PS 0.25
		10-30	C - SBK	|					
		30-50	CL SBK	|					
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	398'	290'
System Type(s)	25% red	50% red
Site LTAR	0.25	0.275

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: D. Wiebery
OTHER(S) PRESENT: M. Benfield

COMMENTS: losing all but 82' of original

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.

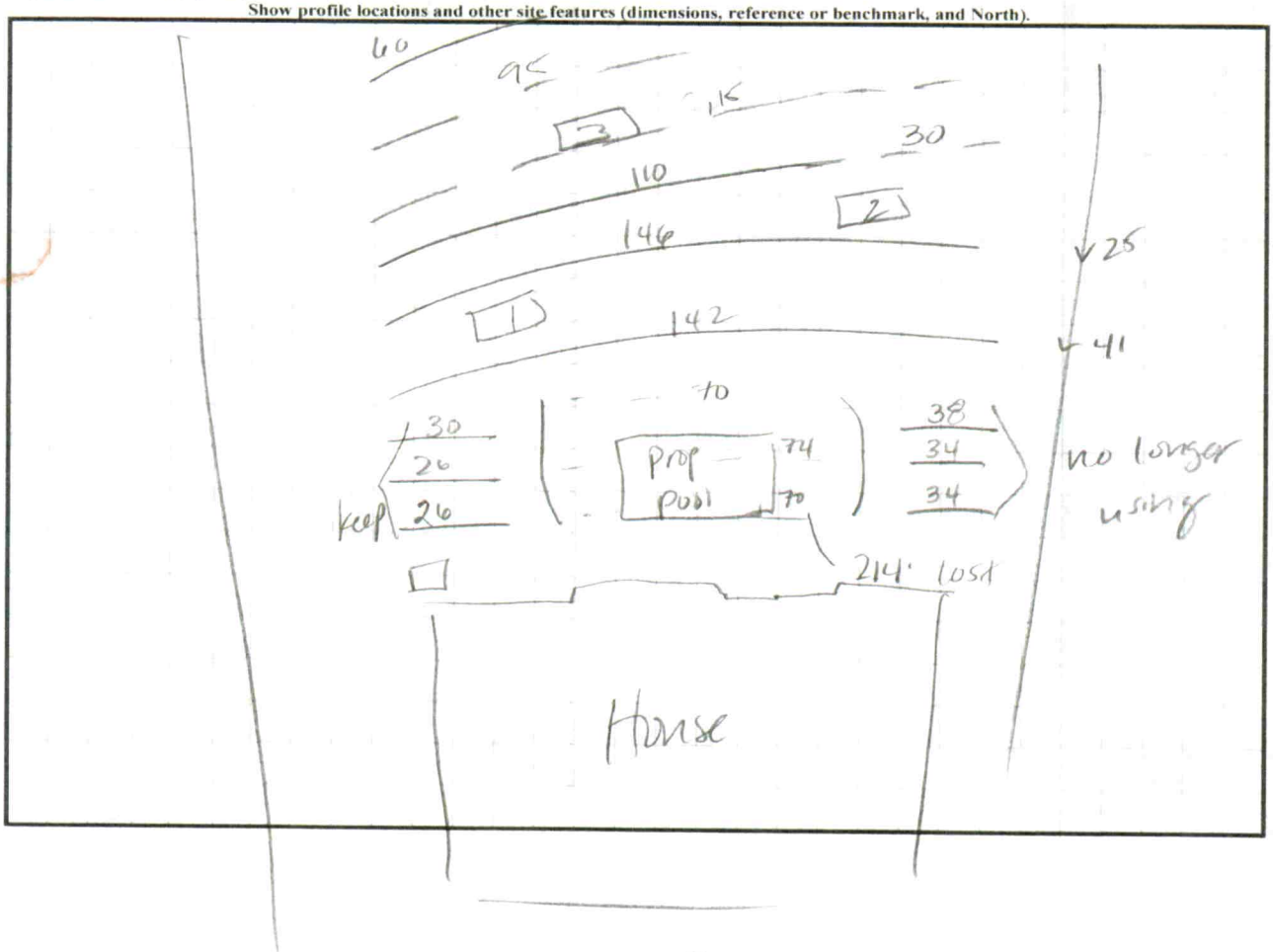
NOTES

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).



Updated February 2014