ICHD - ENVIRONMENTAL HEALTH DIVISION

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

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

PERMIT : OSWP 2024 - 60439

PIN # 4636 -- 78 -- 5939

APPLICANT/OWNER: Bob Stilp | APPLICANT ADDRESS: 911 Brawley School Rd, Mooresville NC 28117

SITE ADDRESS: 911 Brawley School Rd, Mooresville NC 28117 | PHONE: (704) 968-3244 | ALT. PHONE —

SITE DIRECTIONS: E Center Ave → © S. Church St → Ⓡ E Wilson Ave → U-Turn @ Mallard Way → Lot on Ⓡ | SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: — | SECTION: — | LOT # — | LOT AREA: 1.211Ac | DESIGN FLOW: 100gpd | L.T.A.R.(Initial): 0.3 | L.T.A.R (Repair): 0.3

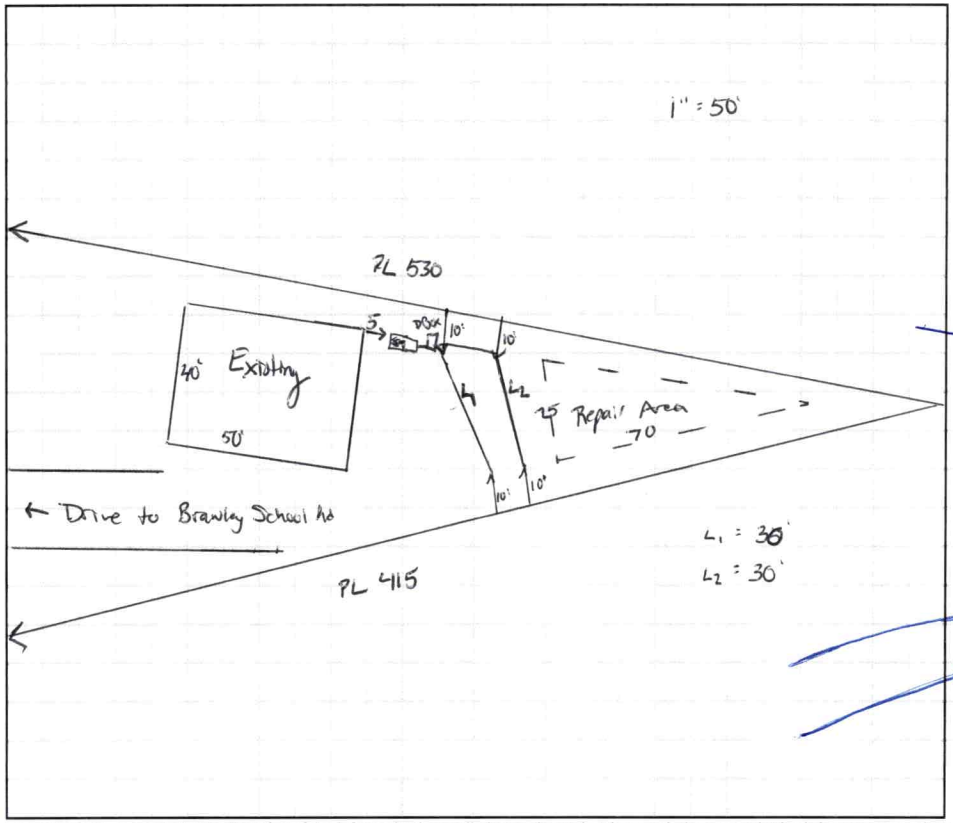
Septic Tank	1000 (gal)	STB		Date		☒ New System	☐ Repair	☐ Expansion	System Type: I II III IV V VI
Pump Tank	— (gal)	PT	—	Date	—	System Description:	50% Red. VPBPS		
Pump Make	—	Model	—	Serial #	—	Repair System Description:	50% Red. VPBPS		
# Nitrification Fields	1	# Lines	2	Linear Ft	60	Maintenance Agreement Required:	☐ YES	☐ NO	
Trench Width	36"	*Max. Trench Depth(Initial)	32"	*Max. Trench Depth(Repair)	32"	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): 48" | Usable Depth to LC (Repair): 48" | *Limiting Condition*

☐ Residence	No. Bedrooms		**Water Supply**	
☐ Business	No. Persons	4	☒ Private	
☐ Other	No. Employees		☐ Public	
☒ Slab	☐ Crawl Space		☐ Community	
☐ Basement w/plumbing		☐ Basement w/o plumbing		

Comments / Conditions: Do not park, grade or drive on septic area; Equal flow from D-Box; Design for ½ bath shop, 4 office staff.

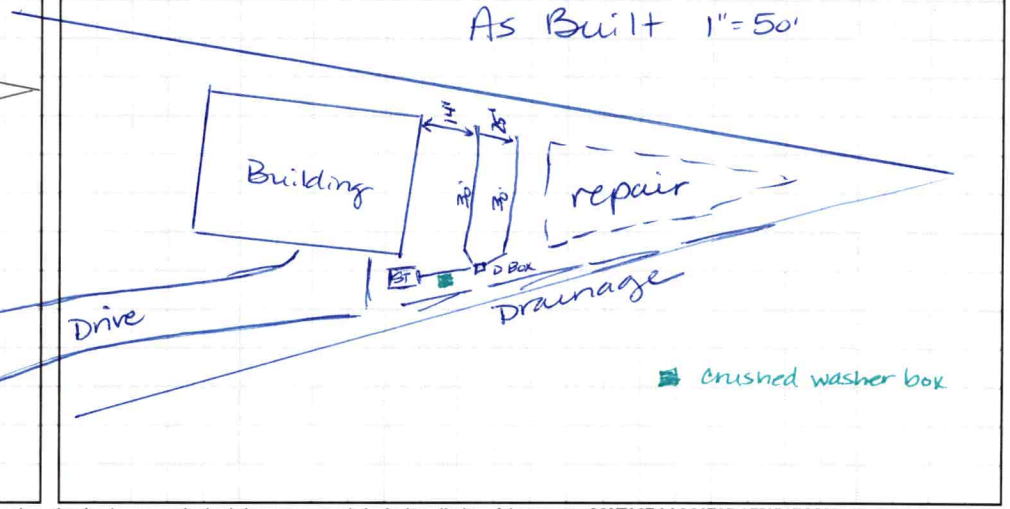
INITIAL SITE SKETCH



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.

- Gully/Drainage along right less than 50% Slope
- Bootleg system crushed during install • washer box w/ pipe to ditch



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.*

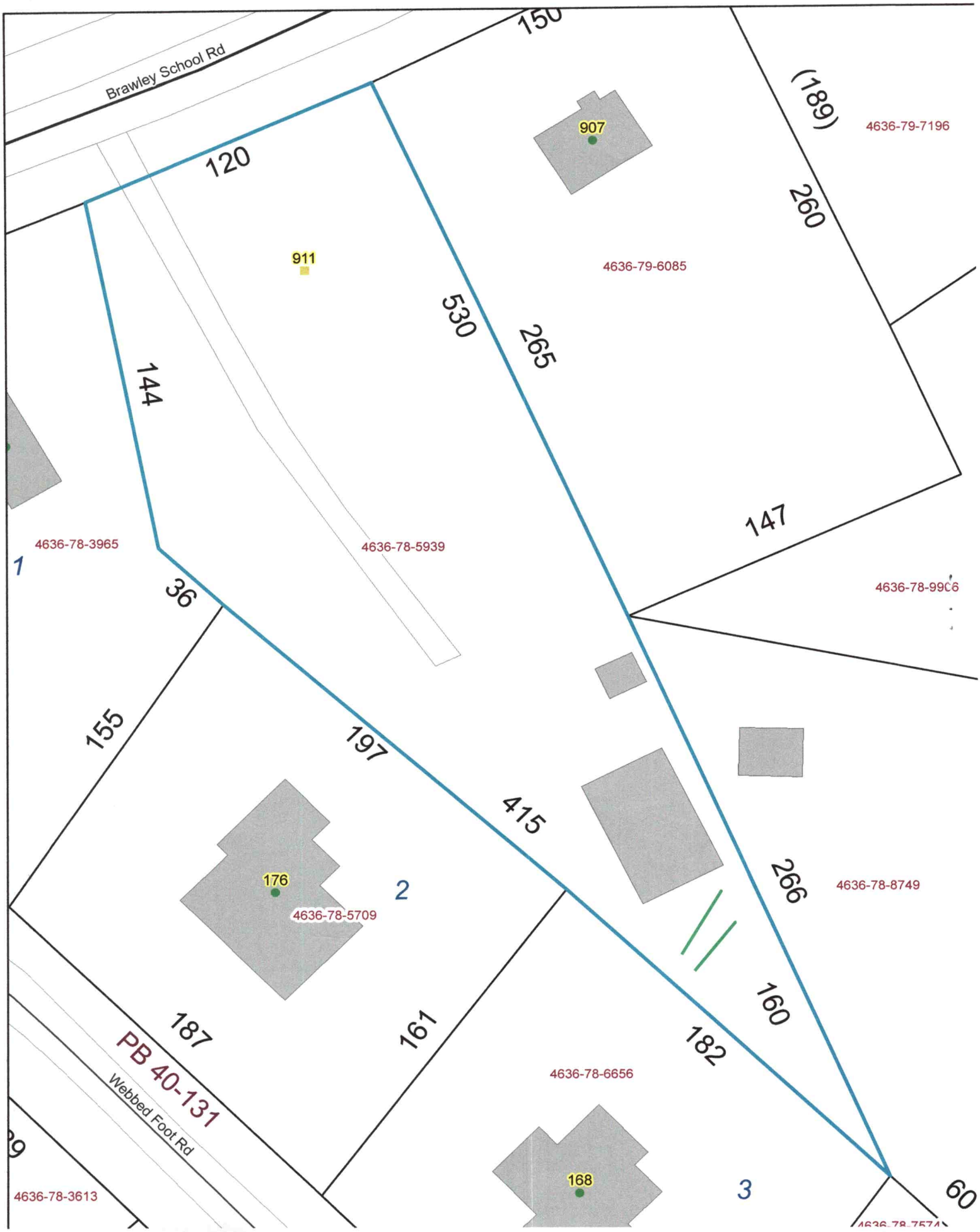
Owner / Applicant Signature: ONLINE | Date: | Installed by: Abernathy

IMPROVEMENT PERMIT by: [signature] | Date: 10/4/24 | OPERATION PERMIT by: [signature] | Date: 10/15/24

AUTHORIZATION TO CONSTRUCT by: [signature] | Date: 10/4/24 | 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? _____	


Brawley School Rd
150
(189)
4636-79-7196
907
120
260
911
4636-79-6085
530
265
144
147
4636-78-3965
4636-78-5939
1
36
4636-78-9906
155
197
415
176
2
4636-78-5709
266
4636-78-8749
187
161
182
160
PB 40-131
Webbed Foot Rd
4636-78-6656
168
3
4636-78-3613
60

PERMIT SNAPSHOT REPORT OSWP-2024-60439 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	08/23/2024
Work Class:	EH Septic Permit	**District:**	Iredell County	**Exp Date:**	NOT AVAILABLE
Status:	In Progress	**Square Feet:**	0.00	**Completed:**	NOT COMPLETED
Valuation:	$0.00	**Assigned To:**	Moore, Bradley	**Approval Expire Date:**	
Description:	See internal notes				

ADDING NEW SEPTIC TO GARAGE FOR A 1/2 BATH NO BEDROOMS. **COMMERCIAL PROPERT
THERE WAS A DWMH USED AS AN OFFICE ON THE PROPERTY, BUT IT HAS BEEN REMOVED*

Parcel:	4636785939.000 Main	**Address:**	911 Brawley School Rd Mooresville, NC 28117 Main	**Zone:**	RA(Residential Agricultural District) NB(Neighborhood Business District)

Property Owner	Applicant/Authorized Agent
BOB STILP	BOB STILP
911 brawley school rd	911 brawley school rd
mooresville, NC 28117	mooresville, NC 28117
Mobile: (704) 968-3244	Mobile: (704) 968-3244

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Septic Application/Permit Type	Improvement Permit	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	EXISTING GARAGE 52X3
What are the proposed structures	Other Addition/Structure	Maximum Number of Bedrooms	0	If other Addition/Structure, please explain	
Number of Occupants	0	Foundation Type	Concrete Slab Foundation	Water Supply	Existing Well
Desired Septic System Type	No Preference	If other septic system type, please explain		Pump Make	
# of Nitrification Fields		Model		Serial #	
System Description		Repair System Description		Comments/Conditions	
Has this project been approved by TRC	No	Lot Acreage	1.211	Back Setback	10
Left Setback	10	Right Setback	10	Is the structure or development in the floodplain	No
Is the property in a local historic district?	No	Is the property located downtown?	No	Zoning Notes/Addendums	Accessory Structures: Must meet requirement R1 of the LDC. Shall not be erected in front building line of the principal structure or within 25' of a side street on a corner lot. Shall not be erected within 10' of any line not a street line or within 10' of any other building on the same lot. Shall not be erected within the 50' buffer zone of lake lots. Shall not exceed the height limitation of the principal structure. Exceptions to the front building line location: 1.If

the lot is 1 acre or greater and the location of the structure is at least 150'from the frontage street right of way line then the structure can be located in front of home or 2.Is a double frontage lake lot. Any accessory building or structure over 2000 sq/ft shall be setback a minimum of 30' from any property line. Metal carports not exceeding 400 sq/ft are allowed in the front yard provided they meet the front setback requirement of the principal structure.	Additional Unique Setbacks Apply	No	Watershed	WSIV CA CATAWBA/LAKE NORMAN

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_bob_stilp_8/23/2024.jpg	08/23/2024 12:36	stilp, bob		Uploaded via CSS
911 BRAWLEY SCHOOL RD PLOT PLAN.pdf	08/23/2024 15:05	COMEAUX, DEBRA	Available Online	PLOT PLAN
911 BRAWLEY SCHOOL RD AUTHORIZE AN OWNER.pdf	08/23/2024 15:06	COMEAUX, DEBRA	Available Online	AUTHORIZE AN OWNER
Xerox Scan_09032024105810.pdf	09/03/2024 11:01	Fleming, Latasha	Available Online	Site plan

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2024-247977	Requested	OSWP Septic/Well Preliminary Site Visit	09/11/2024	09/12/2024 0:00	09/12/2024 0:00		

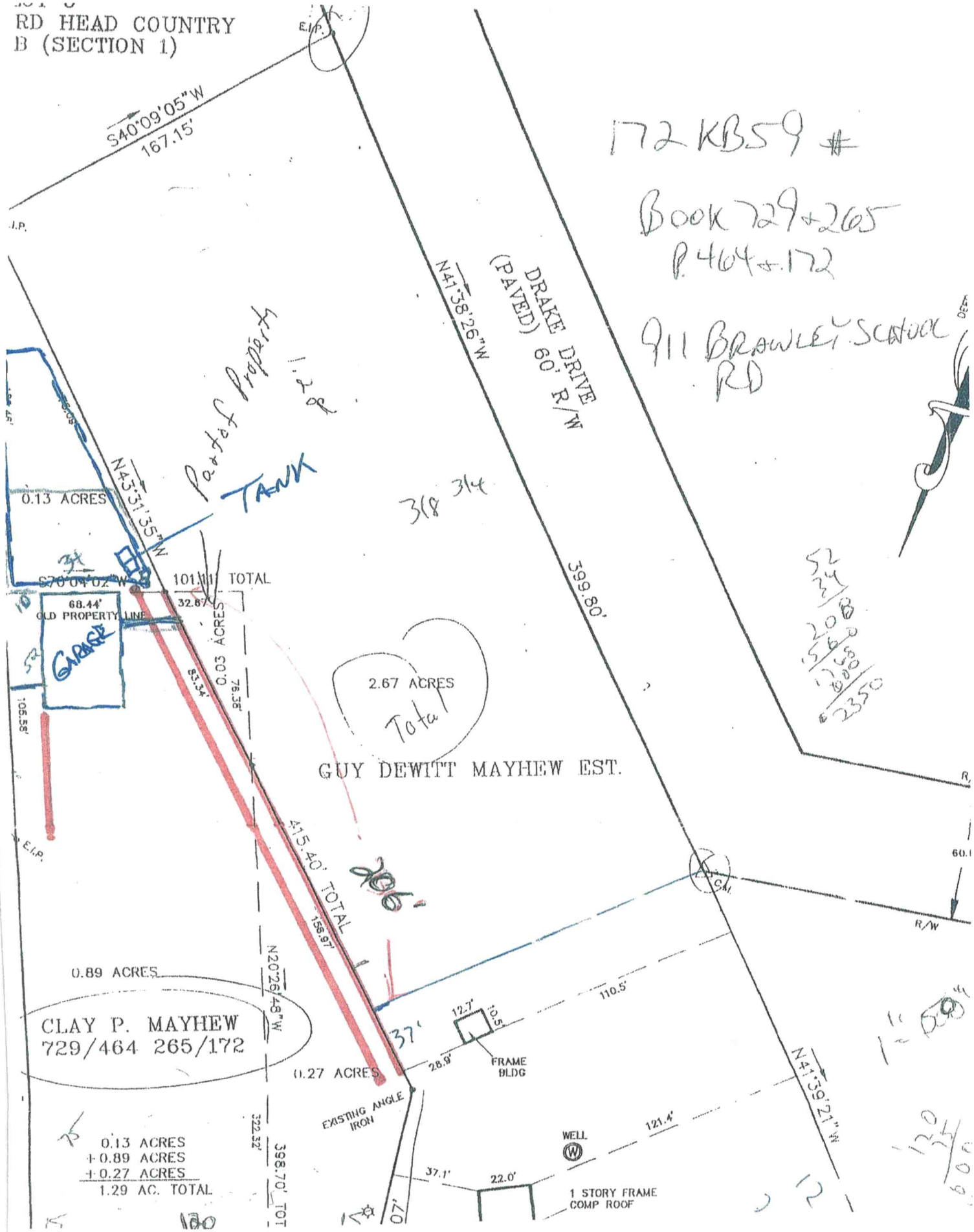
Inspectors: Fleming, Latasha (Primary)

Checklist Item	Description	Passed	Comments
General Comments	Checklist item used to track general comments, not specific to any other checklist item	No	

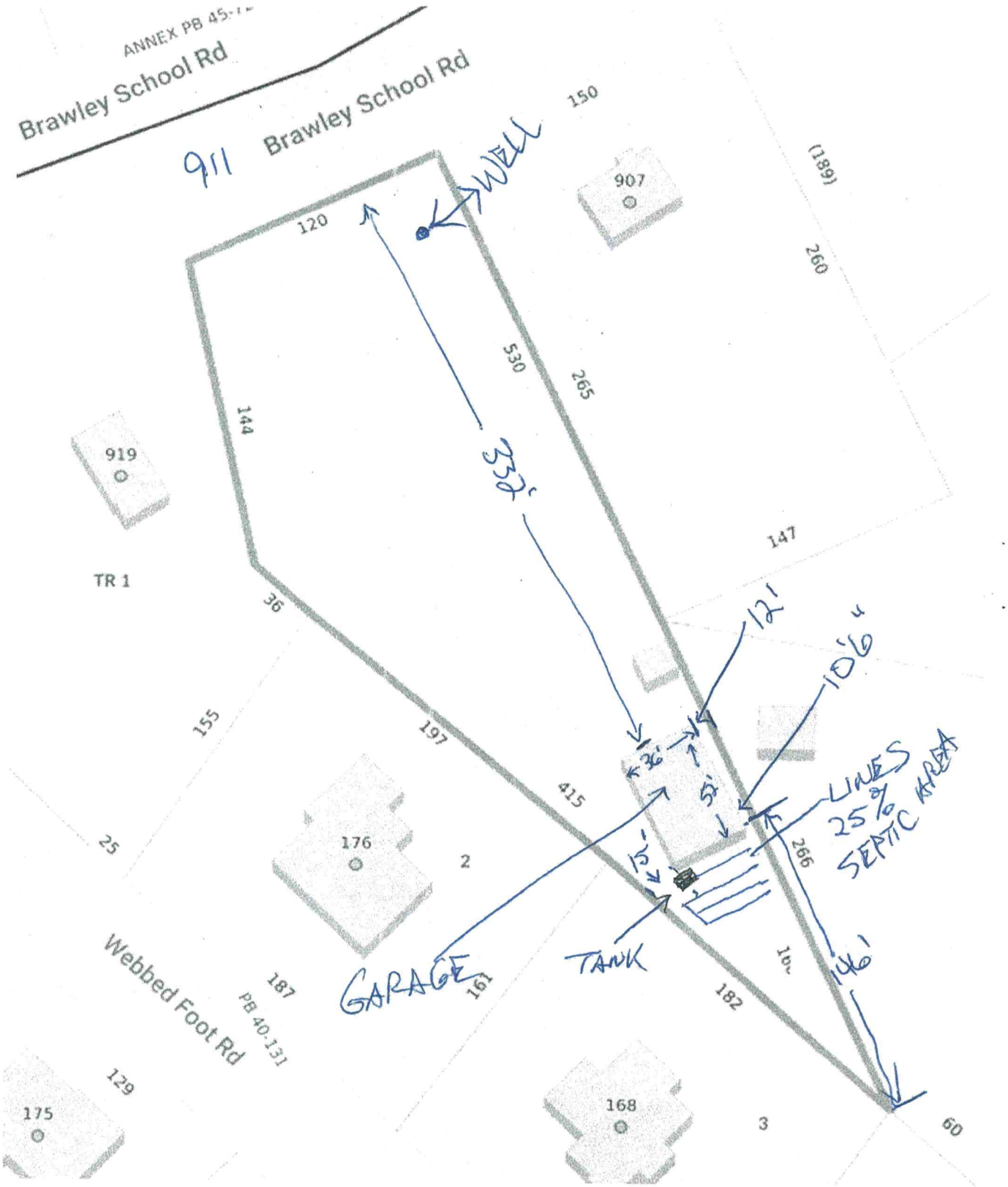
Note	Created By	Date and Time Created
1. Commercial use (not changing use); just adding bath inside building; no zoning required	Rebecca Harper	09/09/2024 13:16
2. I called and left a message to call me back	Peter Mravetz	09/10/2024 11:35
3. Meeting client again first week of October for pits. Waiting on finalization of day and time	Bradley Moore	09/25/2024 9:40

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00035739	New Gravity System	$500.00	$500.00
	Total for Invoice INV-00035739	$500.00	$500.00
	Grand Total for Permit	**$500.00**	**$500.00**

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		09/03/2024 11:04	09/03/2024 11:05
Confirm application complete v.1	Generic Action		09/03/2024 11:05
~~**Zoning Review v.1**~~			09/09/2024 13:16
~~Floodplain Admin Overview v.1~~	Task		09/04/2024 13:54
~~Issue Invoice v.1~~	Generic Action		09/09/2024 13:16
~~Fees Paid v.1~~	Generic Action		09/09/2024 13:16
Fees v.1		09/09/2024 16:08	09/10/2024 9:53
Issue Invoice v.1	Generic Action		09/09/2024 16:08


RD HEAD COUNTRY
B (SECTION 1)
E.I.P.
S40°09'05"W
167.15'
I.P.
172 KB59 #
Book 729 & 265
P. 464 & 172
911 BRAWLEY SCHOOL RD
DRAKE DRIVE
(PAVED) 60' R/W
N41°38'26"W
399.80'
Partial Property
TANK
318 314
0.13 ACRES
N43°31'35"W
S70°04'02"W
101.11' TOTAL
32.87'
68.44'
OLD PROPERTY LINE
GARAGE
105.58'
83.34'
0.03 ACRES
79.35'
2.67 ACRES
Total
GUY DEWITT MAYHEW EST.
415.40' TOTAL
156.97'
206
0.89 ACRES
CLAY P. MAYHEW
729/464 265/172
N20°29'49"W
37'
12.7'
10.5'
110.5'
28.9'
FRAME BLDG
0.27 ACRES
EXISTING ANGLE IRON
WELL
121.4'
N41°39'21"W
37.1'
22.0'
1 STORY FRAME
COMP ROOF
07'
322.32'
398.70' TOT
0.13 ACRES
+0.89 ACRES
+0.27 ACRES
1.29 AC. TOTAL
180
R/W
60.1
52
34
208
1568
2350

DEBRA 704.878.5305 EXT. 4808



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

PROPERTY ID #: 4636-78-5937
COUNTY: Iredell

SOIL/SITE EVALUATION *for* ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: Bob Stilp DATE EVALUATED: 9/30/24
ADDRESS: 911 Brawley School Rd, Mooresville NC 28117
PROPOSED FACILITY: 2 bath Shop PROPOSED DESIGN FLOW (.0400): 1000 gpd PROPERTY SIZE: 2.11 Ac
LOCATION OF SITE: 911 Brawley School Rd, Mooresville NC 28117 PROPERTY RECORDED: Y
WATER SUPPLY: Public ~~Single Family Well~~ Shared Well Spring Other _____ WATER SUPPLY SETBACK: -
EVALUATION METHOD: Auger Boring (Pit) Cut TYPE OF WASTEWATER: (Domestic) High Strength IPWW

PROFILE #	.0502 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY .0503 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY .0503 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ	.0509 PROFILE CLASS & LTAR*	.0503 SLOPE CORRECTION
1	LS 2%	0-4	FILL	SO SP SE FR	-	48"	-	-	0.3	-
		4-20	SCL SBK	SO SP SE FR						
		20-48	CL SBK	SO SP SE FR						
				~~PEFF~~						
2	LS 2%	0-14	SCL SBK	SO SP SE FR	-	48"	-	-	0.3	-
		14-44	C SBK	SO SP SE FR						
		44-48	CL SBK	SO SP SE FR						
3										
4										

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)		
System Type(s)	50%	50%
Site LTAR	.3	.3
Maximum Trench Depth	48"	48"

SITE CLASSIFICATION (.0509): S
EVALUATED BY: B
OTHER(S) PRESENT: _____

Comments: _____

LEGEND

LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE
CC (Concave slope)	I	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 -0.6	MOIST	WET	SG (Single grain)
CV (Convex Slope)		LS (Loamy sand)		0.5 -0.7		Lo (Loose)	NS (Non-sticky)	M (Massive)
D (Drainage way)	II	SL (Sandy loam)	0.6 - 0.8	0.4 -0.6	0.3 - 0.4	VFR (Very friable)	SS (Slightly sticky)	GR (Granular)
FP (Flood plain)		L (Loam)		0.2 - 0.4		FR (Friable)	S (Sticky)	SBK (Subangular blocky)
FS (Foot slope)	III	SiL (Silt loam)	0.3 - 0.6	0.1 - 0.3	0.15 - 0.3	FI (Firm)	VS (Very sticky)	ABK (Angular blocky)
H (Head slope)		SCL (Sandy clay loam)		0.05 - 0.15**		VFI (Very firm)	NP (Non-plastic)	PR (Prismatic)
L (Linear Slope)		CL (Clay loam)		None		EFI (Extremely firm)	SP (Slightly plastic)	PL (Platy)
N (Nose slope)		SiCL (Silty clay loam)					P (Plastic)	
R (Ridge/summit)		Si (Silt)					VP (Very plastic)	
S (Shoulder slope)	IV	SC (Sandy clay)	0.1 - 0.4		0.05 - 0.2	SEXP (Slightly expansive)		
T (Terrace)		SiC (Silty clay)				EXP (Expansive)		
TS (Toe Slope)		C (Clay)						
		O (Organic)	None					

* Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.
**Sandy clay loam saprolite can only be used with advanced pretreatment in accordance with 15A NCAC 18E .1200.

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); Evaluation of saprolite shall be by pits.
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) or U (Unsuitable)

Show profile locations and other site features (dimensions, reference or benchmark, and North).

