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

SW

PERMIT : OSWP - 2025-70054

PIN # 4861 - 16 - 1258

APPLICANT/OWNER: MICHAEL S. BENTLEY

APPLICANT ADDRESS: 224 WILLIAMSBURG ROAD, OLIN, N.C. 28660

SITE ADDRESS: 224 WILLIAMSBURG ROAD, OLIN, N.C. 28660

PHONE: 704-500-5786

ALT. PHONE: –

SITE DIRECTIONS: (N) ON 21, (L) ON TABOR, (L) ON WILLIAMSBURG, LOT ON (R)

SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: –

SECTION: –

LOT # –

LOT AREA: 3.3129 AC

DESIGN FLOW: 480 GPD

L.T.A.R.(Initial): –

L.T.A.R (Repair): 0.3

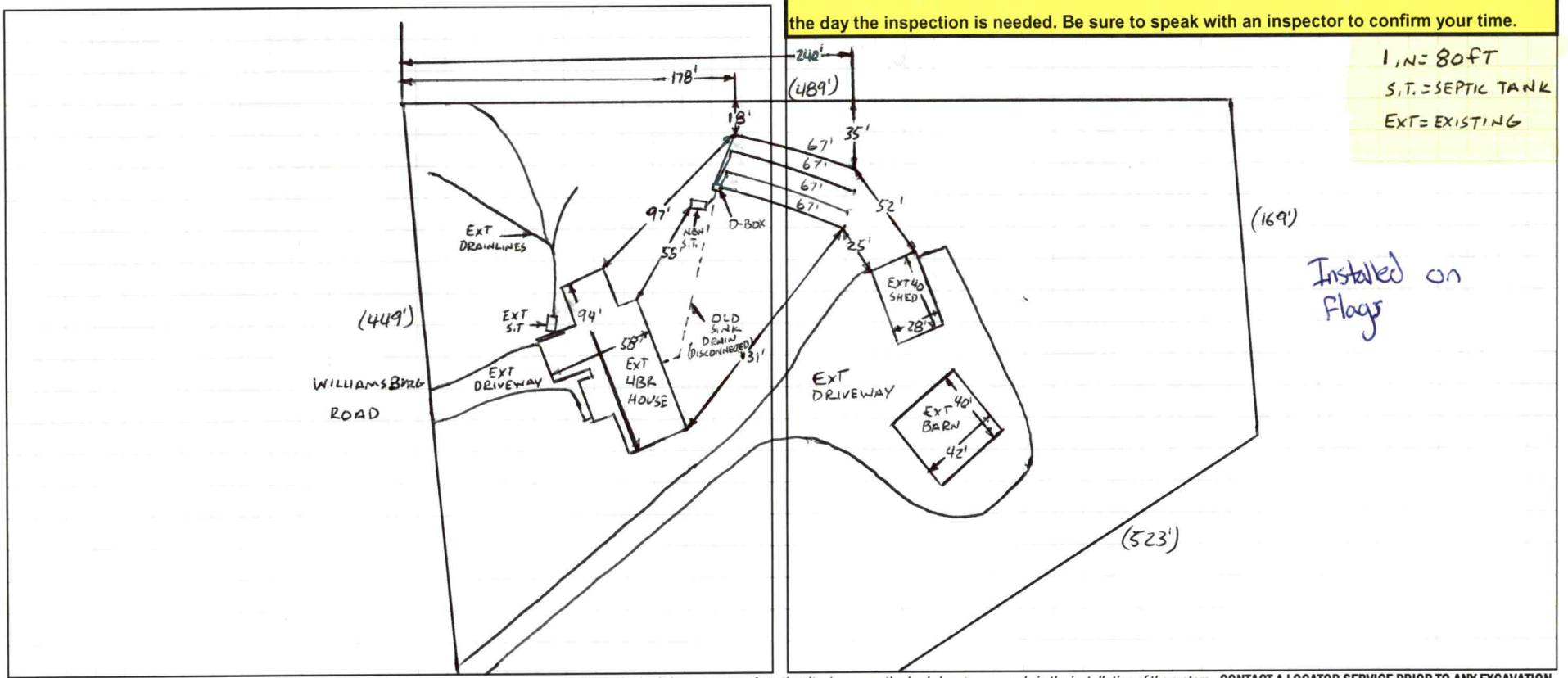
Septic Tank 1000 (gal)	STB 854	Date	☐ New System	☑ Repair	☐ Expansion	System Type: I II (III) IV V VI	☑ Residence	No. Bedrooms 4	Water Supply
Pump Tank – (gal)	PT –	Date –	System Description: –				☐ Business	No. Persons 8	☐ Private
Pump Make –	Model –	Serial # –	Repair System Description: 50% REDUCTION – VPPBPS				☐ Other	No. Employees –	☑ Public
# Nitrification Fields 1	# Lines 4	Linear Ft 267 FT	Maintenance Agreement Required:	☐ YES	☑ NO		☐ Slab	☐ Crawl Space	☐ Community
Trench Width 36 IN	*Max. Trench Depth(Initial) –	*Max. Trench Depth(Repair) 32 IN	Gravel Depth –	☑ GRAVITY	☐ PRESSURE		☐ Basement w/plumbing		☑ Basement w/o plumbing
* 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): –				Usable Depth to LC (Repair): 49 IN		Limiting Condition

Comments / Conditions: PUMP, CRUSH, AND FILL EXISTING S.T., INSTALL ON CONTOUR INSTALL ON 8 FT CENTERS, UTILIZE EQUAL DISTRIBUTION, DO NOT SHALLOW UP, STAY 2FT OFF OLD DRAIN

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.



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 SIGNATURE Date: – Installed by: Al - Backhoe

IMPROVEMENT PERMIT by: Bryant C. White Date: 3-24-2025 OPERATION PERMIT by: Cory Hill Date: 5/2/25

AUTHORIZATION TO CONSTRUCT by: Bryant C. White Date: 3-24-2025 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? _____	

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

PROPERTY ID #: 4861-16-1258
COUNTY: IREDELL

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

OWNER: MICHAEL S. BENTLEY DATE EVALUATED: 2-26-2025
ADDRESS: 224 WILLIAMSBURG ROAD, OLIN, N.C. 28660
PROPOSED FACILITY: 4BR EXT PROPOSED DESIGN FLOW (.0400): 480GPD PROPERTY SIZE: 3.3129 AC
LOCATION OF SITE: 224 WILLIAMSBURG ROAD, OLIN, N.C. 28660 PROPERTY RECORDED: YES
WATER SUPPLY: ✓ Public Single Family Well Shared Well Spring Other _____ WATER SUPPLY SETBACK: 50FT
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	LINEAR SIDE 6%	0-11	FILL	MIXED	R/B MATRIX SAP INC COMMON 26"+	49"	NA	NA	.3	2.5"
		11-29	C, SBK	FR, S, P, SEXP						
		29-49	CL W SBK	FR. SS, SP, SEXP						
2	LINEAR SIDE 4%	0-8	FILL	MIXED	R/B MATRIX SAP INC COMMON 28"+	50"	NA	NA	.3	1.5"
		8-34	C, SBK	FR, S, P, SEXP						
		34-50	CL, IN SBK	FR, SS, SP, SEXP						
3										
4										

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	—	PS
System Type(s)	—	25%
Site LTAR	—	0.3
Maximum Trench Depth	—	32 IN

SITE CLASSIFICATION (.0509): PS
EVALUATED BY: Bryant C. White
OTHER(S) PRESENT: _____

Comments: _____

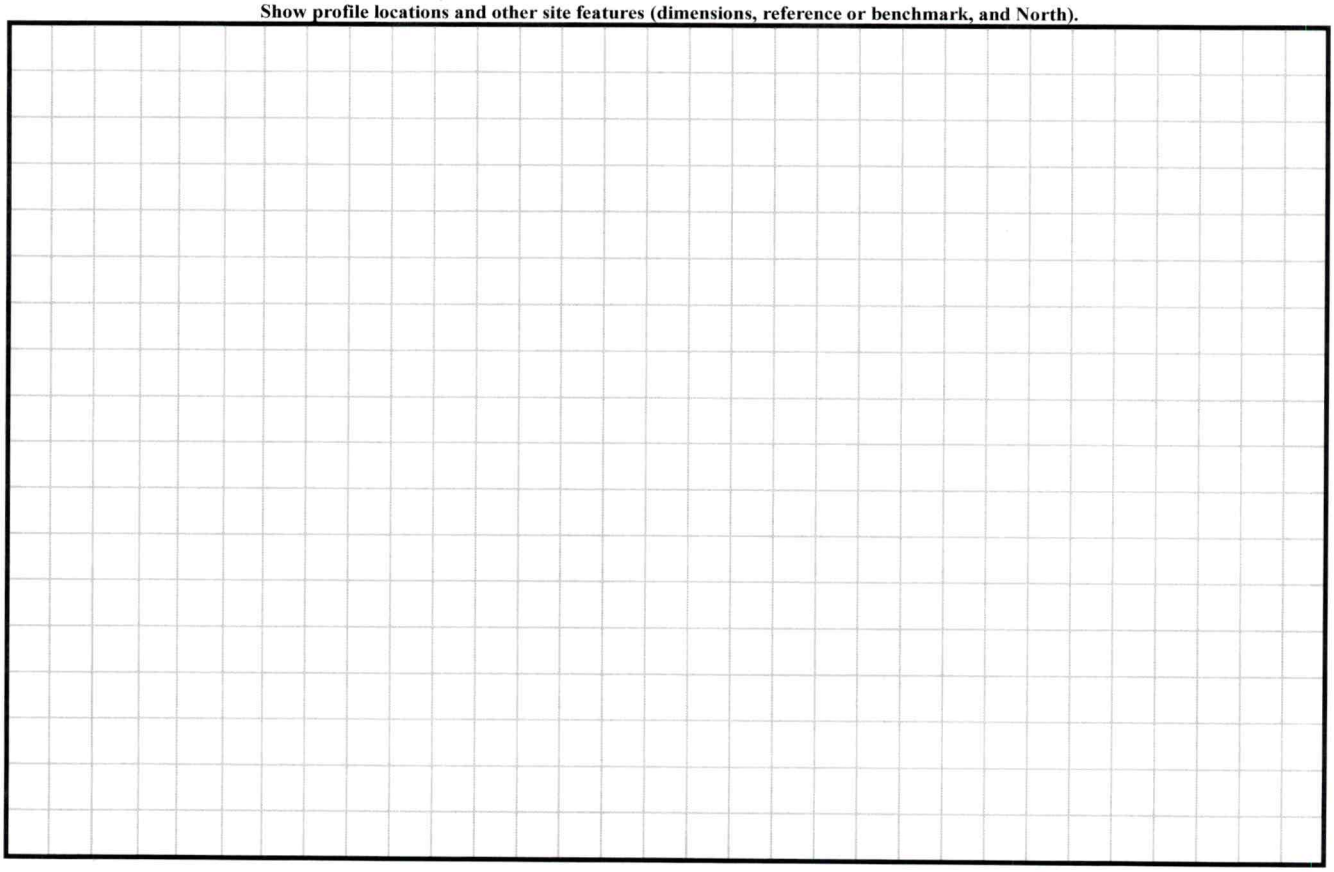
LEGEND

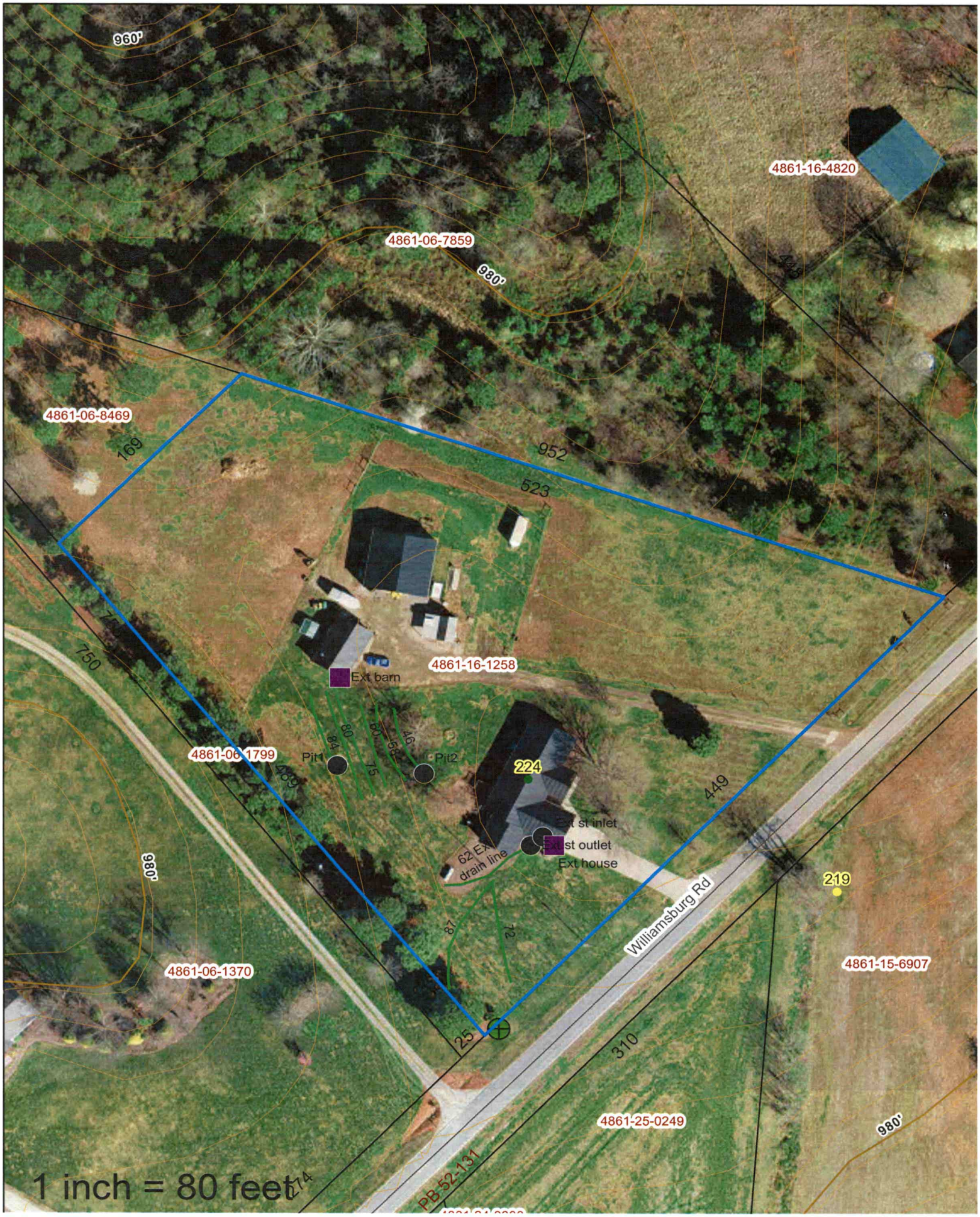
LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE
CC (Concave slope)	I	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 -0.6	MOIST	WET	SG (Single grain)
CV (Convex Slope)		LS (Loamy sand)		0.5 -0.7		Lo (Loose)	NS (Non-sticky)	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).




960'
4861-16-4820
4861-06-7859
980'
4861-06-8469
169
952
523
750
4861-16-1258
Ext barn
4861-06-1799
Pit1
Pit2
84
80
60
46
75
469
224
449
62 EX
drain line
Ext st inlet
Ext st outlet
Ext house
980'
219
Williamsburg Rd
87
42
4861-06-1370
4861-15-6907
25
310
4861-25-0249
980'
PB-52-131
1 inch = 80 feet

PERMIT SNAPSHOT REPORT OSWP-2025-70054 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	02/12/2025
Work Class:	EH Septic Permit	**District:**	Iredell County	**Exp Date:**	NOT AVAILABLE
Status:	PRIORITY PERMIT	**Square Feet:**	0.00	**Completed:**	NOT COMPLETED
Valuation:	$0.00	**Assigned To:**	White, Bryant	**Approval Expire Date:**	
Description:	PRIORITY PERMIT -- REPAIR	Failing existing system, system backing up into the house			

Parcel: 4861161258.000 Main	**Address:** 224 Williamsburg Rd Olin, NC 28660 Main	**Zone:** RA CUD(RA CUD)

Applicant/Authorized Agent
Michael S Bentley
224 Williamsburg Road
Olin, NC 28660
Mobile: (704) 500-5786

Property Owner
Michael Bentley
Home: (704) 500-5786
Mobile: (704) 500-5786

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Septic Application/Permit Type	Repair	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	2400 sq ft home
Maximum Number of Bedrooms	4	If other Addition/Structure, please explain	Repair of existing system	Number of Occupants	3
Foundation Type	Basement with Plumbing	Residential/Business/Other	Residential	Water Supply	Municipal Water
Desired Septic System Type	Conventional (most common)	If other septic system type, please explain		Pump Make	
# of Nitrification Fields		Model		Serial #	
System Description		Repair System Description		Comments/Conditions	
Permit type(s)	Improvement Permit with Site Plan	Additional Unique Setbacks Apply	No		

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Michael_Bentley_2/12/2025.jpg	02/12/2025 13:19	Bentley, Michael		Uploaded via CSS
224 WILLIAMSBURG RD EXISTING SEPTIC PERMIT 1992.pdf	02/12/2025 14:09	COMEAUX, DEBRA	Available Online	EXISTING SEPTIC PERMIT 1992
auth2_v1.pdf	02/13/2025 8:39	Bentley, Michael	Available Online	
site plan_v1.pdf	02/13/2025 8:39	Bentley, Michael	Available Online	

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1			
Confirm application complete v.1	Generic Action		
~~**Zoning Review v.1**~~			02/12/2025 14:07
~~Floodplain Admin Overview v.1~~	Task		02/12/2025 14:07
~~Iredell County Zoning Approval v.1~~	Task		02/12/2025 14:07
~~Issue Invoice v.1~~	Generic Action		02/12/2025 14:07
~~Fees Paid v.1~~	Generic Action		02/12/2025 14:07
Fees v.1			
Issue Invoice v.1	Generic Action		
Fees Paid v.1	Generic Action		

PERMIT SNAPSHOT REPORT (OSWP-2025-70054)

Lot Readiness Verification v.1	
OSWP Septic Preliminary Site Visit v.1	Inspection
OSWP Site Evaluation v.1	Inspection
Issue Improvement Permit v.1	
Issue Invoice v.1	Generic Action
Fees Paid v.1	Generic Action
Issue Permit v.1	Generic Action
Permit Completion Process v.1	
Authorization to Construct Permit v.1	Create Sub Permit
Issue Authorization to Construct v.1	Generic Action

Bentley
224 Williamsburg Rd.
Septic Repair Permit Application

