



Improvement Permit for Wastewater Systems

CHATHAM COUNTY PUBLIC HEALTH DEPARTMENT

DIVISION OF ENVIRONMENTAL HEALTH

80 EAST ST., P.O. BOX 130 - PITTSBORO, NC 27312-0130

PHONE 919-542-8208 / FAX 919-542-8288

www.chathamnc.org/environmentalhealth

Expiration Date: December 2, 2030

New

Owner: SAMUEL WORNOM AND E BREWER HEIRS Applicant: SUSAN WILLSON
911 Address: TBD WILL BROWN ROAD, SILER CITY
Parcel Number: 997 and 63132 to be combined
Acres: 69.841
Subdivision Name: N/A
Subdivision Lot: N/A

FACILITY

Facility Type: Single Family Dwelling

Number of Bedrooms: 5 Number of Occupants: 10 Other: n/a

Design Flow: 600 GPD Design Wastewater Strength: Domestic

Type of Water Supply: Private Well

INITIAL SYSTEM

System Type: IIa - Conventional, ≤ 750 linear feet Trench Product: Accepted, (25% reduction)
LTAR: 0.25 GPD/ft² Effluent Standard: DSE Saproliite System: No Fill System: No
Tank(s) Size with Risers and Effluent Filter: ST 1,250 Gal PT 1,250 Gal
Nitrification Line: Length: 600 ft. Width: 3 ft. Max Trench Depth: 13 in. on downslope sidewall
Artificial Drainage Required: No If yes, type/details: n/a

REPAIR SYSTEM

System Type: IIIb - Single Pump Trench Product: Accepted, (25% reduction)
LTAR: 0.25 GPD/ft² Effluent Standard: DSE Saproliite System: No Fill System: No
Max Trench Depth: 13 in. on downslope sidewall
Artificial Drainage Required: No If yes, type/details: n/a

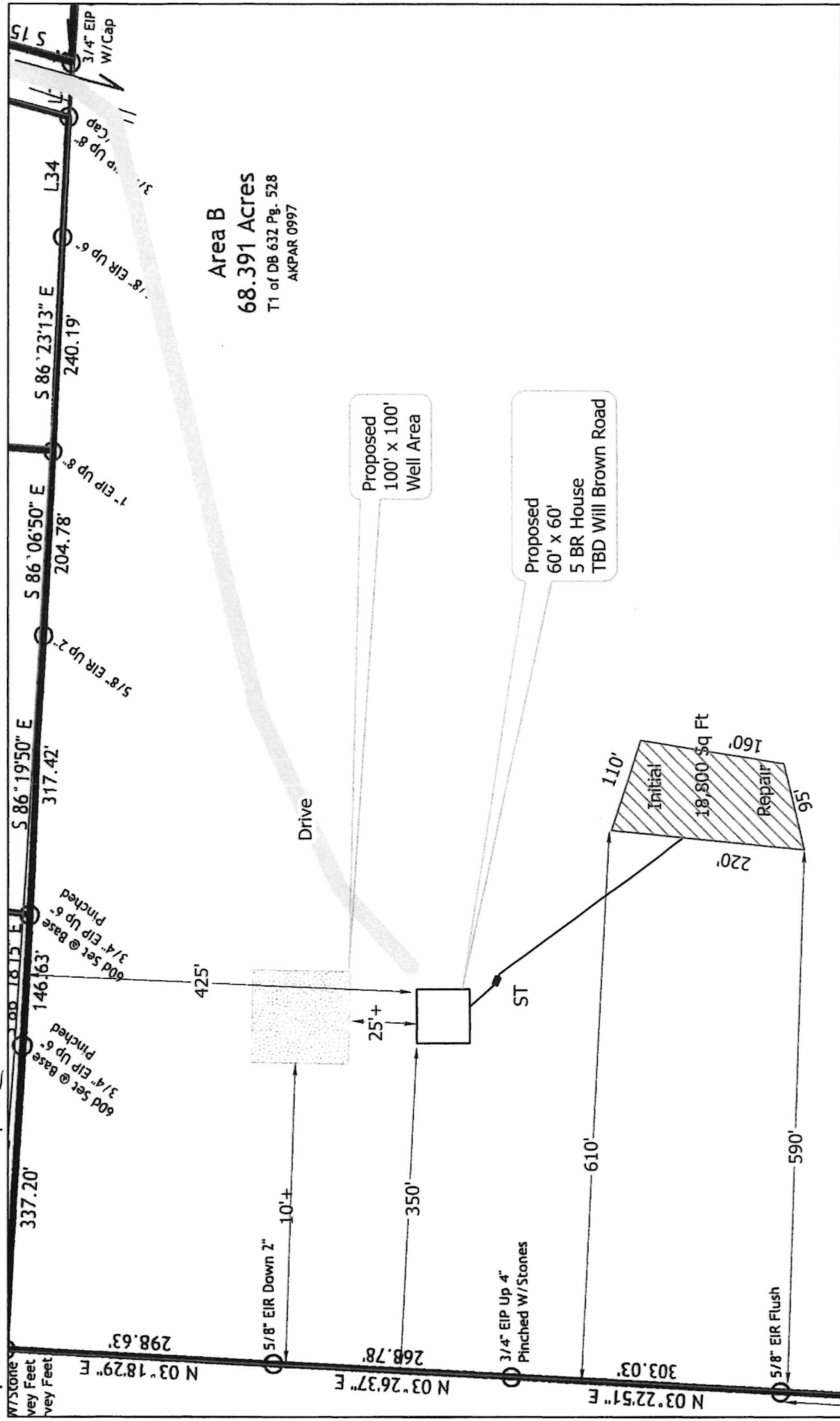
Drainfield locations meet requirements of Rule .0508: Yes Drainfield locations meet requirements of Rule .0601: Yes

SPECIAL CONDITIONS: Drainfield must be covered with at least 6" of soil.

This permit is valid for five years but is subject to revocation if the site plan, plat, or the intended use changes or if the site is altered, soil disturbed, or setbacks violated. The issuance of this permit in no way guarantees the issuance of other permits. The permit holder is responsible for verifying with appropriate governing bodies in meeting their requirements. 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 15A NCAC 18E and to the conditions of this permit. A department issued accompanying site plan must be attached to be valid. A Construction Authorization must be obtained from this office before installation and prior to applying for building permits.

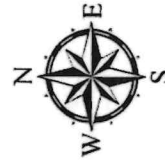
Issued by: Ray Milosh NC Registration #: 2977 Date: 12/2/2025
Ray Milosh - Registered Environmental Health Specialist

Improvement Permit Site Map 1/2



Legend

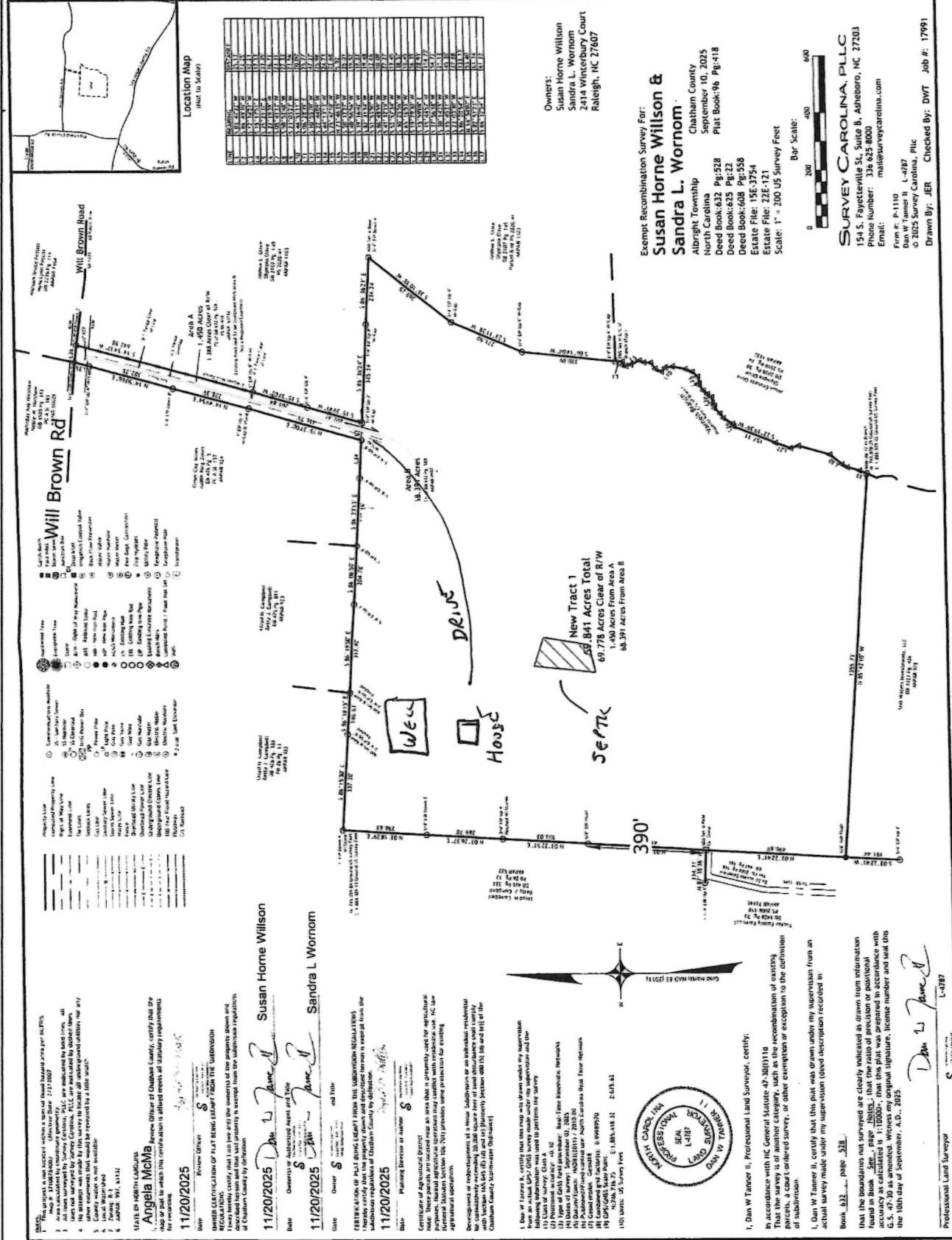
-  Approved Well Area
 Approved System Area
 Road Centerlines
 Parcels



Author's Note

Date:

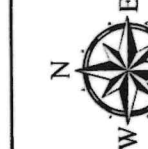




Author: *Ray Oulb...*

Date: *12/2/2025*

0 130260 520 780 1,040 Feet



Legend

- Approved Well Area
- Approved System Area
- Board Centerline

Professional Land Surveyor

S

L-4787

Survey Carolina, PLLC

154 S. Fayetteville St., Suite B, Asheville, NC 27203

Phone Number: 336-825-1111

Email: main@surveycarolina.com

Firm #: P-1110

Don W. Tanner II, L-4377

0-2025 Survey Carolina, PLLC

Drawn By: JER Checked By: DWT Job #: 17991

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

OWNER: SCOTT AND SUSAN WILSON (Complete all fields in full) DATE EVALUATED: 9/17/25
ADDRESS: _____
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.0400): _____ PROPERTY SIZE: _____
LOCATION OF SITE: _____ PROPERTY RECORDED: _____
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

#	.0502 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY		OTHER PROFILE FACTORS				.0509 PROFILE CLASS & LTAR*	.0502 SLOPE CORREC TION
			.0503 STRUCTURE/ TEXTURE	.0503 CONSISTENCE/ MINERALOGY	.0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ		
1	LS 6-8	0-12	sbk CL	vfr SSPSE	-	PMY AR 24"	-	-	S 0.3	3
		12-24	sbk C	fr SSPSE						
2, 3,4	LS 2-5	0-6	sbk CL	vfr SE	-	AR 6"	-	-	J	-
5	LS 2-5	0-8	sbk CL	vfr SE	WET 32"	-	-	-	S 0.3	2
		8-32	sbk C	fr SE						
6	LS 2-2	0-8	sbk CL	vfr SE	-	Exp 32	-	-	S 0.275	1
		8-32	sbk C	fr SE						
		32	sbk	vfr Exp						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	SITE CLASSIFICATION (.0509): <u>S</u> EVALUATED BY: <u>RAY MURPHY</u> OTHER(S) PRESENT: <u>SCOTT WILSON</u>
Available Space (.0508)	<u>✓</u>	<u>✓</u>	
System Type(s)	<u>11/6</u>	<u>11/6</u>	
Site LTAR	<u>0.25</u>	<u>0.25</u>	
Maximum Trench Depth	<u>13</u>	<u>13</u>	

Comments: _____

(Continuation Sheet-Complete all field in full)

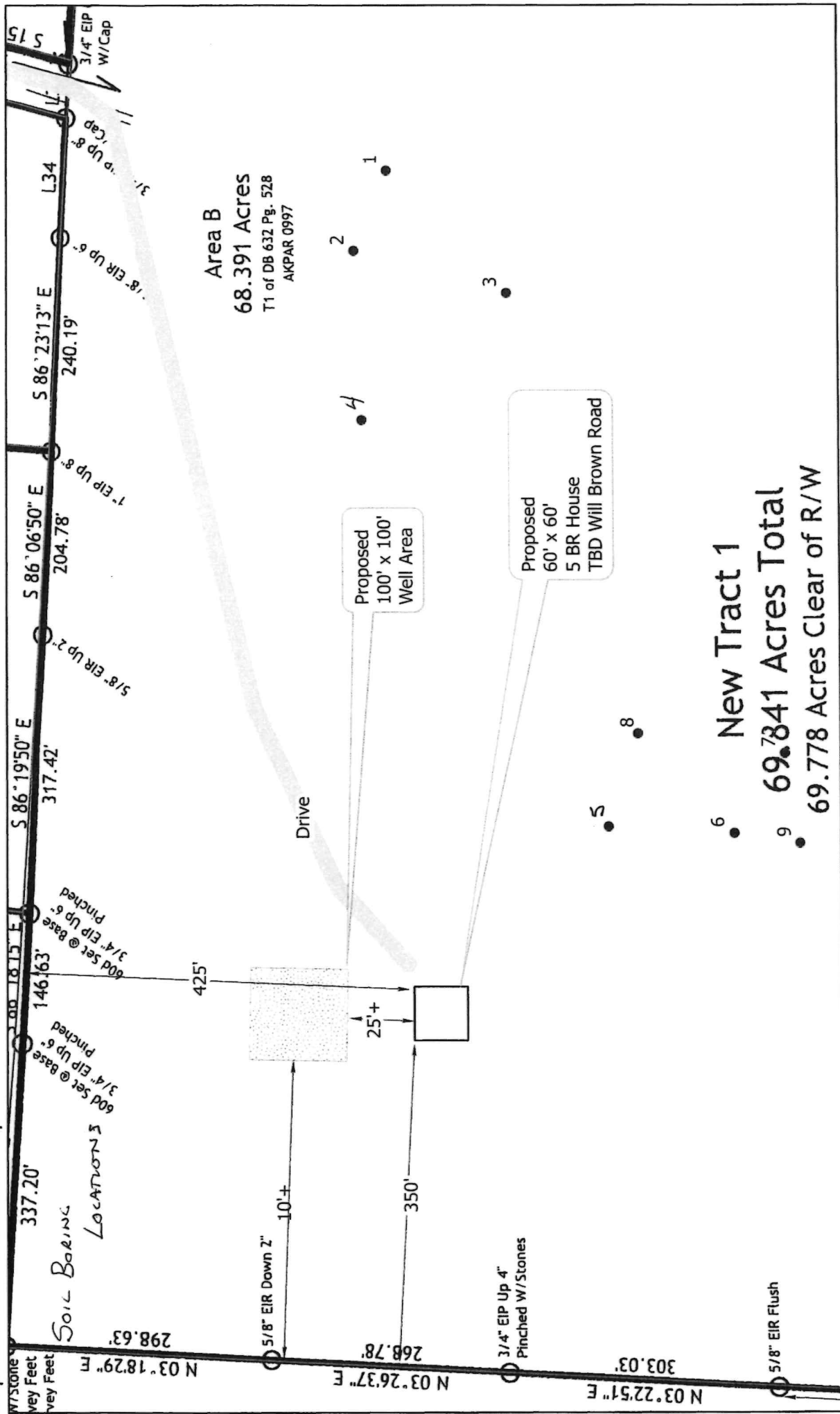
PROPERTY ID #: 997
DATE OF EVALUATION: 9/17/25
COUNTY: CHATHAM

COMMENTS:

Improvement Permit Site Map

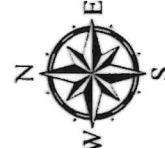
PN: 799

Owner: Samuel Wornom and Elaine Brewer Heirs



Legend

- Auger Boring Sites
- Approved Well Area
- Road Centerlines
- Parcels



Author: Ray Campbell
 Date: 12/2/2025