



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: MARCH 17, 2030

New

Owner: KAY AND WILLIAM BUCKNER **Applicant:** SURVEY CAROLINA
911 Address: TBD BOWER STORE ROAD, SILER CITY
Parcel Number: 11981 PARENT - TRACT 2
Acres: 3.25
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: IIIb - Single Pump **Trench Product:** Conventional Gravel
LTAR: 0.30 GPD/ft² **Effluent Standard:** DSE **Saprolite System:** No **Fill System:** No
Tank(s) Size with Risers and Effluent Filter: ST 1,250 Gal PT 1,250 Gal
Nitrification Line: Length: 670 ft. Width: 3 ft. **Max Trench Depth:** 30 in. on downslope sidewall
Artificial Drainage Required: No **If yes, type/details:** n/a

REPAIR SYSTEM


System Type: IIIb - Single Pump **Trench Product:** Conventional Gravel
LTAR: 0.30 GPD/ft² **Effluent Standard:** DSE **Saprolite System:** No **Fill System:** No
Max Trench Depth: 30 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:

Pressure Manifold Tap Chart Required Prior to issuance of Construction Authorization

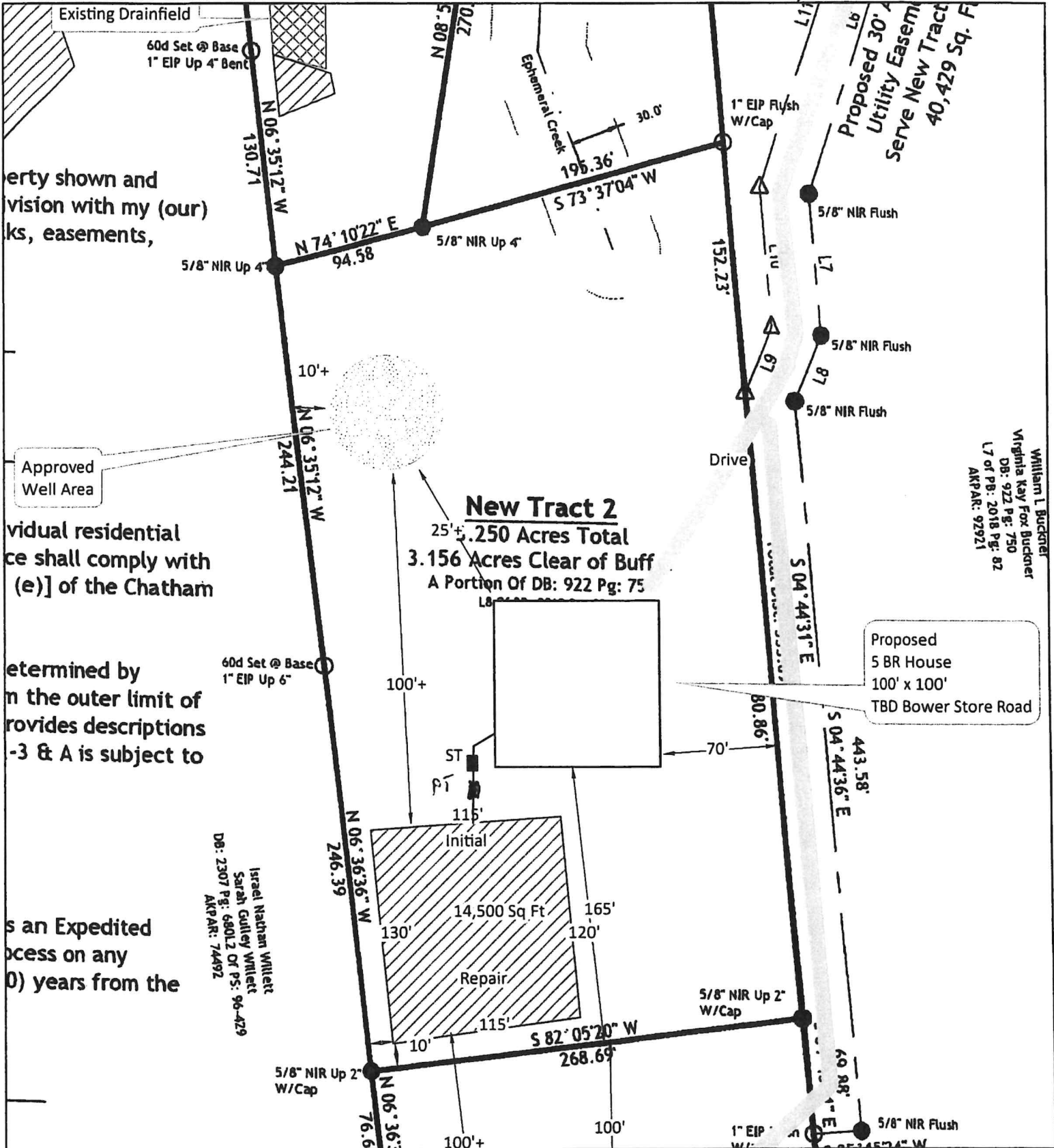
This permit is valid for five years but is subject to revocation if the site plan, plat, or the intended use changes or if the site is altered, soil disturbed, or setbacks violated. The issuance of this permit in no way guarantees the issuance of other permits. The permit holder is responsible for verifying 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:  NC Registration #: 2977 Date: 3/17/25
Ray Milosh - Registered Environmental Health Specialist

Improvement Permit Site Map 1/2

Parcel Number: 11981 Parent - Tract 2

Owner: Kay and William Buckner



Property shown and
vision with my (our)
rights, easements,

Approved
Well Area

Individual residential
use shall comply with
(e) of the Chatham

Determined by
in the outer limit of
provides descriptions
-3 & A is subject to

as an Expedited
process on any
10) years from the

Israel Nathan Willett
Sarah Guley Willett
DB: 2307 Pg: 68012 OF PS: 96-429
AKPAR: 74492

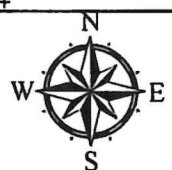
Proposed 30'
Utility Easement
Serve New Tract
40,429 Sq. Ft.

William L. Buckner
Virginia Kay Fox Buckner
DB: 922 Pg: 750
L7 of PB: 2018 Pg: 82
AKPAR: 92921

Proposed
5 BR House
100' x 100'
TBD Bower Store Road

Legend

- Approved Well Area
- Existing System Area
- Approved System Area



0 20 40 80 120 160 Feet

Author: *Ray Willett*

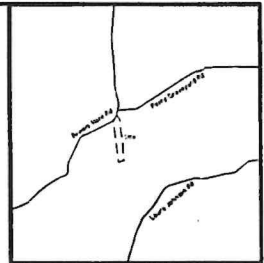
Date: *3/17/2025*

WILLIAM AND VIRGINIA

BUCKNER

IMPROVEMENT PERMIT SITE PLAN 2/2 PN: 11981 PARENT TRACT 2#003

Roy Cipilot
3/17/25



Location Map
(Not to Scale)

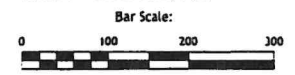
CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE
C1	1853.94	182.61	192.20	N 37° 53' 31" E	17° 55' 7"
C2	1853.94	57.05	57.64	N 39° 58' 31" E	3° 23' 0"

[illegible]

- | | | | |
|--|--|--|-------------------------------|
| | Hardwood Tree | | Catch Basin |
| | Evergreen Tree | | Tall Yucca |
| | None | | Storm Sewer Manhole |
| | NRT - Right of Way Monument | | Junction Box |
| | RIS - Railroad Spike | | Drop Inlet |
| | RIS - Iron Rein. End | | Irrigation Control Valve |
| | RIS - Iron Rein. Pipe | | Back Flow Preventer |
| | RGS Manhole | | Water Valve |
| | EH - Existing Manhole | | Water Main Manhole |
| | EH - Existing Iron Rod | | Water Meter |
| | EP - Existing Pole | | Fire Dept. Connection |
| | Excavating Concrete Monument | | Fire Hydrant |
| | Bench Mark | | Utility Pole |
| | Compacted Paved / Paved Hot Mix Pavement | | Telephone Pedestal |
| | Property Line | | Telephone Pole |
| | Cognate Property Line | | Transformer |
| | Right of Way Line | | Storm and Catch Basin Manhole |
| | Easement Line | | 55 - Sanitary Sewer |
| | Lot Lines | | 55 Manhole |
| | Setback Lines | | 55 Cleanout |
| | Gut Line | | MPV Power Box |
| | Sanitary Sewer Line | | Power Pole |
| | Storm Sewer Line | | Light Pole |
| | Water Line | | Gas Pole |
| | Fence | | Gas Valve |
| | Overhead Utility Line | | Gas Manhole |
| | Overhead Power Line | | Gas Hydrant |
| | Underground Electric Line | | Electric Manhole |
| | 100-Year Flood Hazard Line | | Spot Elevation |

Owners:
William L Buckner
Virginia Kay Fox Buckner
2310 Bowers Store Rd
Siler City, NC 27344

Expedited Subdivision Survey For:
William L Buckner &
Virginia Kay Fox Buckner
 Hickory Mountain Township Chatham County
 North Carolina February 18, 2025
 Deed Book: 922 Pg: 750
 Plat Book: 2018 Pg: 82
 Scale: 1" = 100 US Survey Feet



SURVEY CAROLINA, PLLC
154 S. Fayetteville St, Suite B, Asheboro, NC 27203
Phone Number: 336 625-8000
Email: mail@surveycarolina.com

Firm #: P-1110
Dan W Tanner II L-4787
2025 Survey Carolina, Plc

Drawn By: AJS Checked By: DWT Job #: 16036

1. Notes:
2. This project is not located within a special flood hazard area per HCFNIS.
3. Map #. 31199702002 Effective Date: 11/17/2017
4. Area calculated by computerized geometry
5. All lines surveyed by Survey Carolina, PLLC are indicated by bold lines
6. All lines not surveyed by Survey Carolina, PLLC are indicated by dashed lines
7. No attempt was made by this survey to locate all underground utilities nor any other easements that would be revealed by a title search
8. ASPR: 11831
9. Zoning: R1
10. Watershed: WS-TV-PA
11. County Water is Not Available

4. Can if Tamer II, certify that this map was drawn under my supervision from an actual GPS/GNSS survey made under my supervision and the following information was used to perform the survey:

- 1) Class of survey: Class A
- 2) Positional accuracy: "0.10"
- 3) Type of GNSS field procedure: Real-Time Kinematic Networks
- 4) Dates of survey: February 14, 2025
- 5) Datum (Epoch): HAD83/EP11 / 2010.20
- 6) Published/field-control use: Real-time CORS Real Time Network
- 7) Geoid model: Geoid 1988
- 8) Combined grid factor(s): 0.99988977
- 9) GPS/GNSS Scale Point:

HC711, 516.48	E1, 504, 556.76	2, 565.84
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- 10) Units: US Survey Feet

STATE OF NORTH CAROLINA

I, _____ Review Officer of Chatham County, certify that the map or plat to which this certification is affixed meets all statutory requirements for recording.

Date _____ Review Officer EXISTING
STATIC

APPROVAL FOR MINOR SUBDIVISIONS
I hereby certify that the subdivision plat shown hereon is a minor subdivision and has been found to comply with the subdivision regulations for Chatham County. The plat has been approved for recording in the Office of the County Register of Deeds.

Director of Planning or Authorized Agent

CERTIFICATION OF OWNERSHIP AND DEDICATION
 I (we) hereby certify that I am (we are) the owner(s) of the property shown and described hereon and that I (we) hereby adopt this plan of subdivision with my (our) free consent, and dedicate all right-of-ways, streets, alleys, walks, easements, parks, and other open spaces to public or private use as noted.

Owner(s) _____ APPROVED _____

Owner(s) _____

Development or redevelopment of a Minor Subdivision or an individual residential lot _____

lot cumulatively exceeding 20,000 square feet of land disturbance shall comply Section 165.045 (E) (d) and (e) [formerly Section 400 (5) (d) and (e)] of the Chat County Stormwater Ordinance].

Jurisdictional and permanence of the features shown has been determined by Chatham County. Required buffers were measured landward from the outer limit jurisdiction. Chatham County Watershed Protection Ordinance provides description of allowable uses within protected buffer areas. Lot number(s) 2-3 & A is subject Chatham County buffer requirements.

Minor Subdivision on parcel #11981 was reviewed and approved as an Expedited

Subdivision. No Subdivider shall use the Expedited Subdivision process on any portion of the parent tract or resultant lots for a period of ten (10) years from the date of recordation of the final plat.

Owner Signature _____

Owner Signature _____ APPRO
144



APPROVED -
SEAL AREA -




I, Dan W Tanner II, Professional Land Surveyor, certify:
In accordance with NC General Statute 47-30(f)(1)a

I, Dan W Tanner II, certify that this plat was drawn under my supervision from an actual survey made under my supervision (read

Book 912 , page 750 ;

that the boundaries not surveyed are clearly indicated as drawn from information found in Book See, page Notes; that the ratio of precision or positional accuracy as calculated is 1:10000.; that this plat was prepared in accordance with G.S. 47-30 as amended. Witness my original signature, license number and seal this the 18th day of February, A.D. 2025.

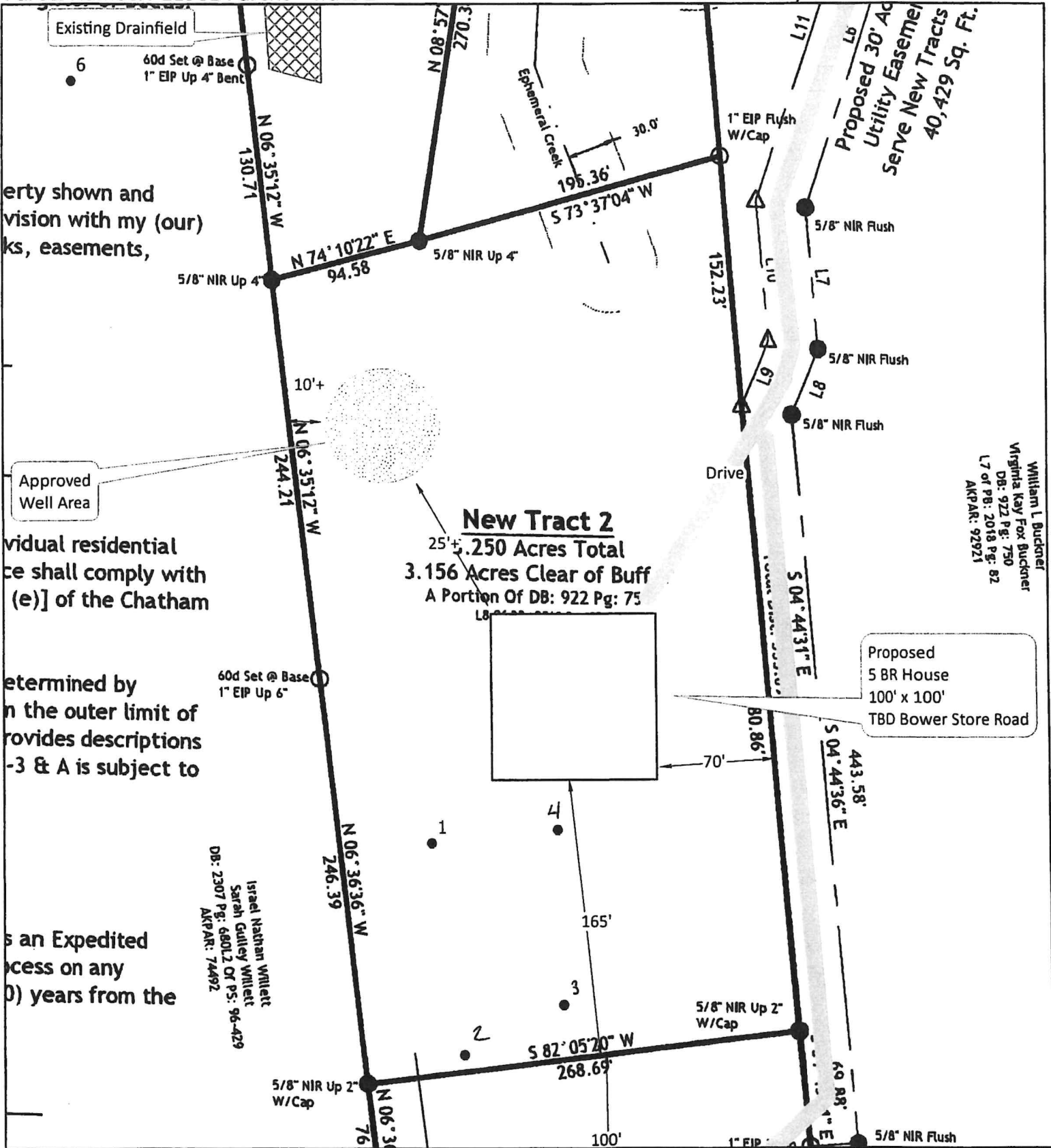
PRELIMINARY PLAT - NOT FOR RECORDATION, CONVEYANCES, OR SALES

Professional Land Surveyor L-4787

Improvement Permit Site Map - Soil Boring Locations

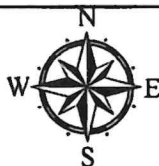
Parcel Number: 11981 Parent - Tract 2

Owner: Kay and William Buckner



Legend

- Auger Boring Sites
- Approved Well Area
- ▤ Existing System Area



0 20 40 80 120 160 Feet

Author: Ray Onilko

Date: 3/17/2025