



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 3		
Acres:	3.753		
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: Conventional Gravel

LTAR: 0.25 GPD/ft² Effluent Standard: DSE Saprolite System: No Fill System: No

Tank(s) Size with Risers and Effluent Filter: ST 1,250 Gal PT N/A Gal

Nitrification Line: Length: 670 ft. Width: 3 ft. Max Trench Depth: 20 in. on downslope sidewall

Artificial Drainage Required: No If yes, type/details: n/a

REPAIR SYSTEM

System Type: IIA - Conventional, ≤750 linear feet Trench Product: Conventional Gravel

LTAR: 0.25 GPD/ft² Effluent Standard: DSE Saprolite System: No Fill System: No

Max Trench Depth: 16 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:

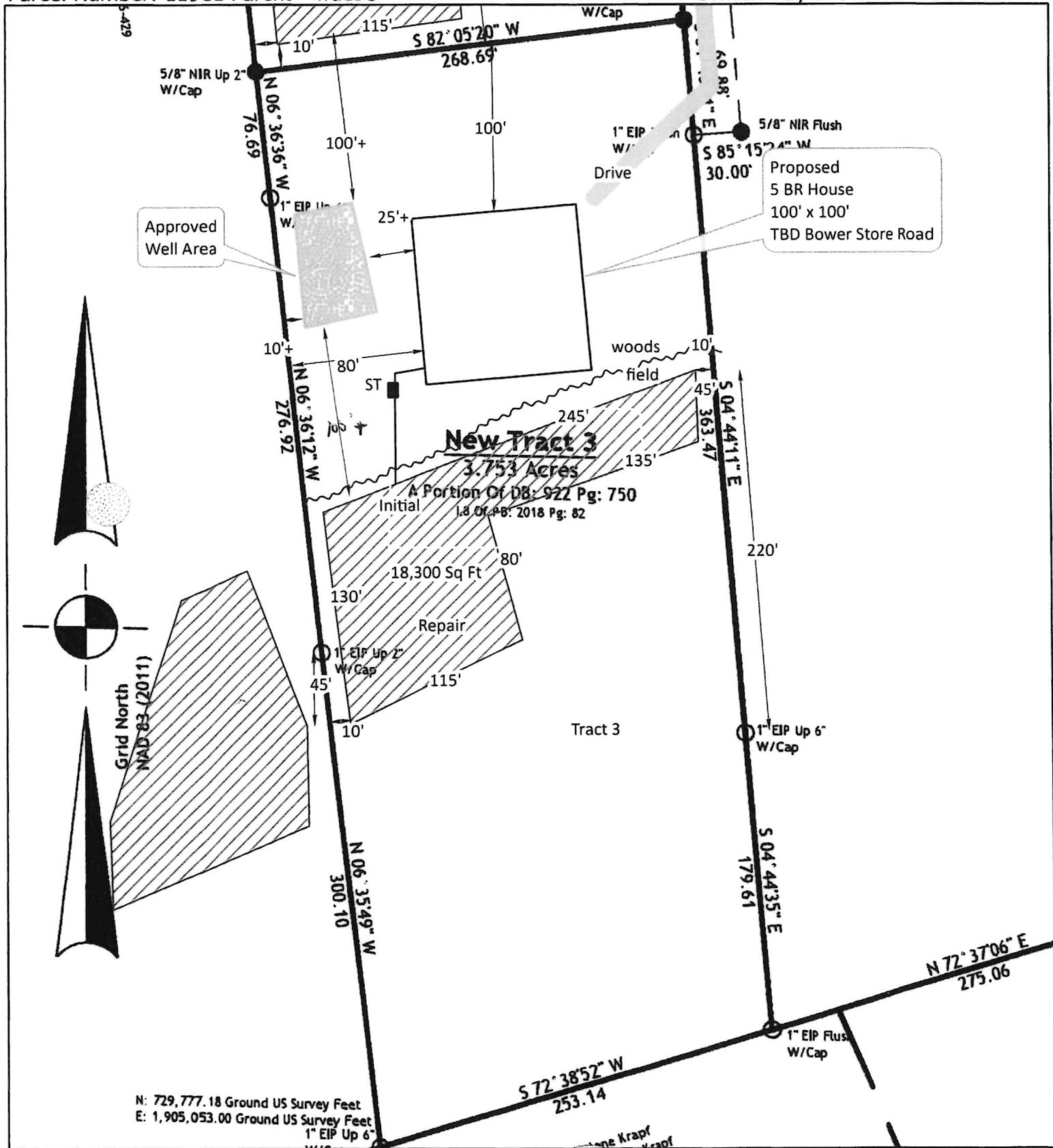
This permit is valid for five years but is subject to revocation if the site plan, plat, or the intended use changes or if the site is altered, soil disturbed, or setbacks violated. The issuance of this permit in no way guarantees the issuance of other permits. The permit holder is responsible for verifying 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: 3/11/2025
Ray Milosh – Registered Environmental Health Specialist

Improvement Permit Site Map 1/2

Parcel Number: 11981 Parent - Tract 3

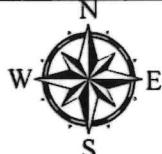
Owner: Kay and William Buckner



Legend

 Approved Well Area

 Approved System Area



0 20 40 80 120 160 Feet

Author: Kay Nichols
Date: 3/17/2025

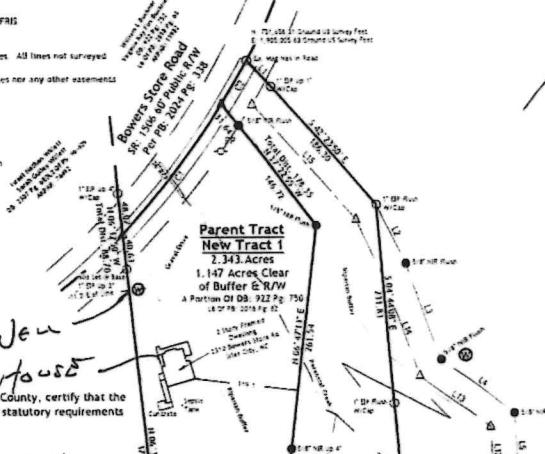
IMPROVEMENT PERMIT SITE PLAN 912 PN:11981 PARENT TRACT 2A#03

1 A#03
WILLIAM AND VIRGINIA
BUCKNER

Notes:
1. This project is not located within a special flood hazard area per NFIPRS
2. Map #: 37199070246 Effective Date: 11/17/2017

3. Area calculated by coordinate geometry
4. All lines surveyed by Survey Carolina, PLLC are indicated by bold lines. All lines not surveyed by Survey Carolina, PLLC are indicated by dashed lines
5. No attempt was made by this survey to locate all underground utilities nor any other easements that would be revealed by a title search
6. Zoning: R-17-1981
7. Watershed: WS-IV-3A
8. County Water is Not Available

1. Dan W Tanner II, certify that this map was drawn under my supervision from an actual survey. GPRS Survey made under my supervision and the following information was used to perform the survey:
1) Class of survey: Class A
2) Positional accuracy: +/- 10'
3) Type of GPRS field procedure: Real-Time Kinematic Networks
4) Dates of work: February 14, 2025
5) Surveyor: Dan W Tanner II, #1013.00
6) Published/Planned-control used: North Carolina Real Time Network
7) Grid model: GRS 1983
8) Combined grid factor(s): 0.99985977
9) GPS/GNSS Scale Point:
 HPS11.516.48 E: 1,504,981.75 2,583.84
10) Units: US Survey Feet



LINE	BEARING	LINE	BEARING
1	84°22'25"E	10	100°00'51"E
2	84°22'25"E	11	100°00'51"E
3	84°22'25"E	12	100°00'51"E
4	153°37'45"E	13	154°22'45"E
5	153°37'45"E	14	154°22'45"E
6	153°37'45"E	15	154°22'45"E
7	153°37'45"E	16	154°22'45"E
8	153°37'45"E	17	154°22'45"E
9	153°37'45"E	18	154°22'45"E
10	153°37'45"E	19	154°22'45"E
11	153°37'45"E	20	154°22'45"E
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13	153°37'45"E	22	154°22'45"E
14	153°37'45"E	23	154°22'45"E
15	153°37'45"E	24	154°22'45"E
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17	153°37'45"E	26	154°22'45"E
18	153°37'45"E	27	154°22'45"E
19	153°37'45"E	28	154°22'45"E
20	153°37'45"E	29	154°22'45"E
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22	153°37'45"E	31	154°22'45"E
23	153°37'45"E	32	154°22'45"E
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25	153°37'45"E	34	154°22'45"E
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49	153°37'45"E	58	154°22'45"E
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52	153°37'45"E	61	154°22'45"E
53	153°37'45"E	62	154°22'45"E
54	153°37'45"E	63	154°22'45"E
55	153°37'45"E	64	154°22'45"E
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67	153°37'45"E	76	154°22'45"E
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207	153°37'45"E	216	154°22'45"E
208	153°37'45"E	217	154°22'45"E
209	153°37'45"E	218	154°22'45"E
210	153°37'45"E	219	154°22'45"E
211	153°37'45"E	220	154°22'45"E
212	153°37'45"E		

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

OWNER: KAY AND WILLIAM BUCKNER

ADDRESS: 2310 Bunker Street Road to Be Subdivided

PROPOSED FACILITY: 2 SF Dwelling PROPOSED DESIGN FLOW (.0400): 200 GPD 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			
201	25	0-40	56k	c fr sc	-	SAP	-	-	5	0.275	4
203	8-10					40"					
202	45	0-26	56k	c	-	64p	-	-	5	0.275	4
	8-10	26	m	c vfi exp		26"					
204	45	0-40	56k	c fr sc	-	PM	-	-	5	0.3	3
	6-8	40									
205	45	0-20	56k	c f/fi sc	-	exp	-	-	5	0.2	3
	5-8	20									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	
Available Space (.0508)	✓	✓	SITE CLASSIFICATION (.0509): S
System Type(s)	II	II	EVALUATED BY: <u>RAY MCGOWAN</u>
Site LTAR	TRACT 1: 0.45	TRACT 3: 0.25	OTHER(S) PRESENT: <u>JOHN GRAY, RUFUS JAMESON</u>
Maximum Trench Depth			
Comments:			

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

SOIL/SITE EVALUATION
(Continuation Sheet-Complete all field in full)

Page 2 of 2
PROPERTY ID #: 11981 PARENT - TRAC
DATE OF EVALUATION: 2/17/23
COUNTY: CHATHAM

#	.0502 LANDSCAPE POSITION/ SLOPE %	.0501 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		
206	LS 2-5	0-30 2-5	56k c	fi sc	WATER IN HOLE	-	-	-	5 0.25	2
208										10
209										
210										
207	LS 6-8	0-12 12 6-8	56k c	fi	- 8P 12"	-	-	-	5 0.25	3
208	LS		56k c	fr						
209	LS		56k c	fr						
212										18
211	LS 2-5	0-16 16 2-5	56k c	fr sc	- 8P 16	-	-	-	5 0.25	2
213	LS 2-5		56k c	fr sc						
214	LS		56k c	fi sc						
215	LS 2-5		56k c	fi sc						
			0-39							

COMMENTS:

Improvement Permit Site Map - Soil Boring Locations

Parcel Number: 11981 Parent - Tract 3

Owner: Kay and William Buckner

