



CDP#454823

Franklin County Environmental Health
127 S Bickett Blvd.
Louisburg, NC 27549
Phone (919) 496-8100
www.franklincountync.gov

Issued to: Morgan Womble

Location: 340 Pilot Ridge Road ZEBULON, NC 27597

NEW SEPTIC APPLICATION
NEW WELL APPLICATION

Application Type: NEW SEPTIC NEW WELL

Application Number: E-25-361

Date: June 19, 2025

Building Type:

Acreage: 0.85

Project Type: Single Family Dwelling

Zoning: R-30

of Bedrooms: 3

of Occupants: 5

Residential Project Type: Single Family Dwelling

Commercial Project Type:

Building Foundation: Crawlspace

Square Footage of Facility:

Water Source: New Well

Number of Employees:

Number of Seats:

Preferred Type of Septic System: (1) Conventional
(rock)

Notes:

Parcel ID #: 049481

Subdivision: PILOT RIDGE LOT #40

Applicant Information

Applicant Name: Morgan Womble

Address: 8704 Mourning Dove Rd. Raleigh, NC 27615

Phone: 9193695552

Email: morgan@hwcustombuilders.com

Property Owner Information

Owner Name: PILOT RIDGE RESERVE LLC

Address: 414 N MAIN ST TARBORO, NC 27886

Phone:

Email:

General Contractor Information

Contractor Name: H&W Custom Builders, LLC

Address: 8704 Mourning Dove Road Raleigh, NC 27615

Phone: (919) 436-1077

Email: info@hwcustomhomes.com

Zoning

Zoning Permit #: Z-25-708

County Water: No

Front Setback: 30

Right Setback: 10

Left Setback: 10

Rear Setback: 25

The applicant shall notify the Environmental Health Department upon submittal of this application if any of the following apply to the property/site in question. If this answer is "Yes" the applicant must attach supporting documentation and/or show their location on the plot/site plan.

Does the site contain any jurisdictional wetlands? No

Does the site contain, or have within 100 feet, any existing wells and/or septic systems? No

Is any wastewater going to be generate other than domestic sewage? No

Is the site subject to approval by an other public agency? No

Are there any easements or right-of-ways on this site? No

Are there any underground utilities on the site? Yes

IF THE INFORMATION IN THE APPLICATION FOR A SEPTIC PERMIT IS FALSIFIED, CHANGED, OR THE SITE IS ALTERED, THEN ANY RELATED PERMITS AND CONSTRUCTION AUTHORIZATIONS SHALL BECOME INVALID. This application is valid for one year from the date of application payment. The septic system approval (permit) is valid for five years from the date of Improvement Permit issuance, or without expiration by

request with proper documentation. The applicant is responsible for the proper identification and labeling of all property lines, and existing utilities (including septic), and the desired features on site, as well as making the site accessible for evaluation. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. Permit issuance shall in no way be taken as a guarantee a septic system will function in a satisfactory manner for any given period of time. By signing below, the applicant attest he/she is the property owner or has been granted permission to be the property owner's legal representative, for the purposes of obtaining a septic permit for the referenced property.

Morgan Womble

June 19, 2025

Signature of Owner or Owner's Legal Representative

Expires: June 4, 2026

PRELIMINARY PLOT PLAN FOR
H/W CUSTOM BUILDERS

LOT 40, PILOT RIDGE PH.2

340 PILOT RIDGE ROAD

REF: P.B. 2023, PAGE 58

DUNN TOWNSHIP

FRANKLIN COUNTY, NORTH CAROLINA

OCTOBER 24, 2024

ZONED R-30



SCALE 1"=60'

(39)

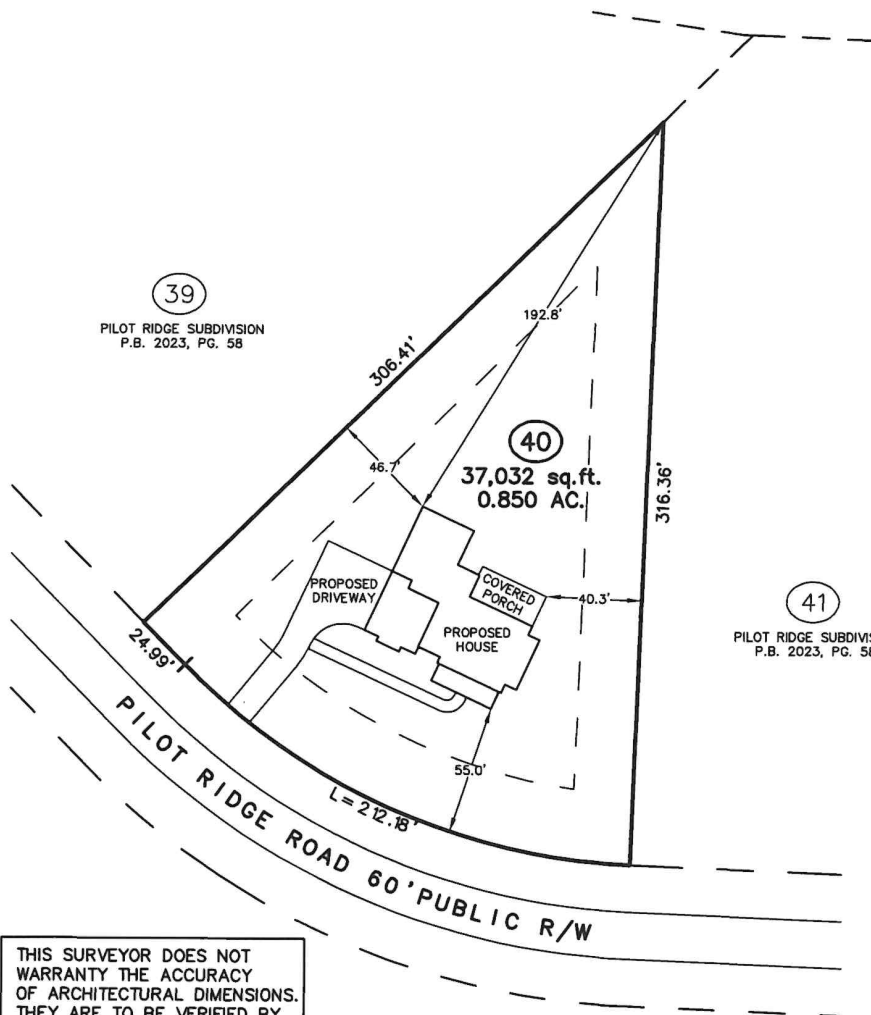
PILOT RIDGE SUBDIVISION
P.B. 2023, PG. 58

(40)

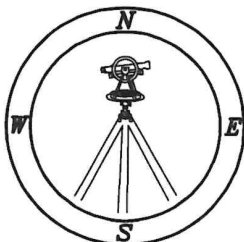
37,032 sq.ft.
0.850 AC.

(41)

PILOT RIDGE SUBDIVISION
P.B. 2023, PG. 58



THIS SURVEYOR DOES NOT
WARRANTY THE ACCURACY
OF ARCHITECTURAL DIMENSIONS.
THEY ARE TO BE VERIFIED BY
THE CONTRACTOR.



CMP

Professional Land Surveyors
C-1525

333 S. White Street
Post Office Box 1253
Wake Forest, N.C. 27588
(919)556-3148

NOTES:

-THIS PLAN DOES NOT REFLECT AN
ACTUAL SURVEY. IT IS A PRELIMINARY
PLAN AND SHOULD BE USED FOR ITS
INTENDED PURPOSE ONLY.
-NOT FOR RECORDATION, CONVEYANCES,
OR SALES.



IMPROVEMENT PERMIT

Franklin County Health Department
107 Industrial Drive
Louisburg, NC 27549
Phone:

For Office Use Only

*CDP File Number 454823 - 1
County ID Number:
Evaluated For: NEW

PERMIT VALID UNTIL: 06/19/2030

***NOTE TO INSPECTIONS DIVISION:** Building Permits cannot be issued with this Improvement Permit.

Applicant: Morgan Womble
Address: 8704 Mourning Dove Rd
City: Raleigh
State/Zip: NC 27615
Phone #:

Property Owner: Pilot Ridge Reserve LLC
Address: 414 N Main St
City: Tarboro
State/Zip: NC. 27615
Phone #:

Property Location & Site Information

Address: 340 Pilot Ridge Rd Zebulon, NC 27597 Subdivision: Pilot Ridge Block/Phase: NEW Lot: 40

Directions

Road #: 340 Pilot Ridge Rd
Structure: SINGLE FAMILY
of Bedrooms: 3
of People: 5
*Water Supply: N/A

System Specifications

Initial System

Usable Soil Depth: 47
Design Flow: 360
Soil Application Rate: 0.3000

Minimum Trench Depth: Inches

Maximum Trench Depth: 35 Inches

*System Classification/Description:
TYPE III G. OTHER NON-CONV. TRENCH SYSTEMS

Septic Tank: 1000 Gallons

Pump Required ☐ Yes ☒ No ☐ May Be Required

*Proposed System:
25% REDUCTION

Pump Tank: Gallons

Repair System Required: ☒ Yes ☐ No ☐ No, but has Available Space

Repair System

Usable Soil Depth:
Soil Application Rate:

Minimum Trench Depth: Inches

Maximum Trench: Depth: Inches

*System Classification/Description:
N/A

Pump Required: ☐ Yes ☐ No ☐ May Be Required

*Proposed System:

Pump Tank: Gallons

No grading or construction activity is allowed in areas designated for system and repair without approval of Health Department.

*Site Modifications

The issuance of this permit by the Health Department in no way guarantees the issuance of other permits. The permit holder is responsible for checking with appropriate governing bodies in meeting their requirements.

*Permit Conditions

The Department and Local Health Department may impose conditions on the issuance and may revoke the permits for failure of the system to satisfy the conditions, the rules, or this article. This permit is subject to revocation if the site plan, plat, or intended use changes (NCGS 130A-335(f)). The person owning or controlling the system location, installing, operation, maintenance, monitoring, reporting, and repair (per rule .0301(fa)).

Authorized State Agent: Bendel, Joel Date of Issue: 06/19/2025

☐ Hand Drawing ☐ Import Drawing ****Site Plan/Drawing attached.**** Total Time: (HH:MM) :



Construction Authorization

Franklin County Health Department
107 Industrial Drive
Louisburg, NC 27549
Phone:

For Office Use Only

*CDP File Number: 454823 - 1

County ID Number:

Evaluated For: NEW

PERMIT VALID UNTIL: 06/19/2030

☐ Open Pump System Sheet

Applicant: Morgan Womble

Address: 8704 Mourning Dove Rd

City: Raleigh

State/Zip: NC 27615

Phone #:

Property Owner: Pilot Ridge Reserve LLC

Address: 414 N Main St

City: Tarboro

State/Zip: NC 27615

Phone #:

Property Location & Site Information

Address/Road #: 340 Pilot Ridge Rd Zebulon,
NC 27597

Subdivision: Pilot Ridge

Phase: NEW

Lot: 40

Directions:

Structure: SINGLE FAMILY

340 Pilot Ridge Rd

of Bedrooms: 3

of People: 5

*Water Supply: NEW WELL

System Specifications

Usuable Soil Depth: 47

Design Flow: 360

Soil Application Rate: 0.3000

Minimum Trench Depth: Inches

Maximum Trench Depth: 35 Inches

Minimum Soil Cover: Inches

Maximum Soil Cover: Inches

*System Classification/Description:

TYPE III G. OTHER NON-CONV. TRENCH SYSTEMS

*Proposed System:

25% REDUCTION

*Distribution Type: GRAVITY - PARALLEL (eq. d-box)

Nitrification Field: Sq. ft.

No. Drain Lines: 3

Total Trench Length: 300 ft.

Trench Spacing: - 9

Trench Width: - 3

Aggregate Depth: inches

☐ Inches O.C.

☒ Feet O.C.

☐ Inches

☒ Feet

Septic Tank: 1,000 Gallons

Pump Required: ☐ Yes ☒ No ☐ May Be Required

Pump Tank: Gallons

Grease Trap: Gallons

Septic Tank Installer

Grade Level Required: ☐ I ☐ II ☐ III ☐ IV

The issuance of this permit by the Health Department in no way guarantees the issuance of other permits. The permit holder is responsible for checking with appropriate governing bodies in meeting their requirements.

*Permit Conditions:

The Authorization for Wastewater System Construction shall be valid for a period equal to the period of validity of the Improvement Permit and may be issued at the same time the Improvement Permit issued (NCGS 130A-336(b)). If the installation has not been completed during the period of validity of the Construction Permit, the information submitted in the application for a permit or Construction Authorization shall become invalid, and may be suspended or revoked (.0204(k)(1)). The person owning or controlling the system shall be responsible for assuring compliance with the laws, rules, and permit conditions regarding system location, installation, operation, maintenance, monitoring, reporting and repair (per rule .0301((a)).

Authorized State Agent: Bendel, Joel

Date of Issue: 06/19/2025

☐ Hand Drawing

☐ Import Drawing

Site Plan/Drawing attached.

Total Time : (HH:MM)



Well Construction Permit

Franklin County Health Department
107 Industrial Drive
Louisburg NC, 27549
Phone: _____

For Office Use Only

*CDP File Number 454823

PIN Number: _____

Tax Lot #: 40 Tax Block #: 049481

Evaluated For: SINGLE FAMILY \ WELL

PERMIT VALID UNTIL: 06/19/2030

Property Owner: Pilot Ridge Reserve LLC

Address: 414 N Main St

City: Tarboro

State/Zip: NC / 27615

Phone #: _____

Applicant: Morgan Womble

Address: 8704 Mourning Dove Rd

City: Raleigh

State/Zip: NC / 27615

Phone #: _____

Property Location & Site Information

Address/Road #:

Subdivision: Pilot Ridge

Phase: _____

Lot: 40

340 Pilot Ridge Rd

Zebulon NC, 27597

*Proposed use of Well: SINGLE FAMILY

If Other: _____

Applicant Email: _____

Owner Email: _____

Directions: 340 Pilot Ridge Rd

Well Contractor Information

Drilling Contractor: _____

Driller Registration: _____

Permit Conditions

*Permit Conditions

Well location, construction and protection must meet all state and local regulations and must be inspected and approved by an authorized representative of the Local Health Department. The permit may be revoked at any time for failure to comply with existing regulations. The siting of approved well construction area(s) by the Health Department is to provide protection from the known possible sources of contamination. The approved well area(s) may not be changed without permission from an authorized representative of the Local Health Department. Issuance of this well permit does not guarantee water quality or adequate water production from the well once it is installed or repaired.

*Issued By: Bendel, Joel

*Date of Issue: 06/19/2025

Authorized State Agent: _____

Owner/Applicant: _____

☐ Hand Drawing ☐ Import Drawing

****Site Plan/Drawing attached.****



File # 454823 PIN# _____
Property Address: 340 Pilot Ridge Rd.
Applicant or Owner Name: Morgan Womble

Environmental Health Septic/Well Permit Diagram

Building permits cannot be issued nor should construction begin without Construction Authorization issuance.

☒ Septic Improvement Permit ☒ Septic Construction Authorization (CA) ☐ CA Reissue** ☐ As Built
☒ Well Construction Authorization ☐ Additional Diagram/Specifications Attached

Diagram Date**: 6-19-25 EHS: Joel Bendel

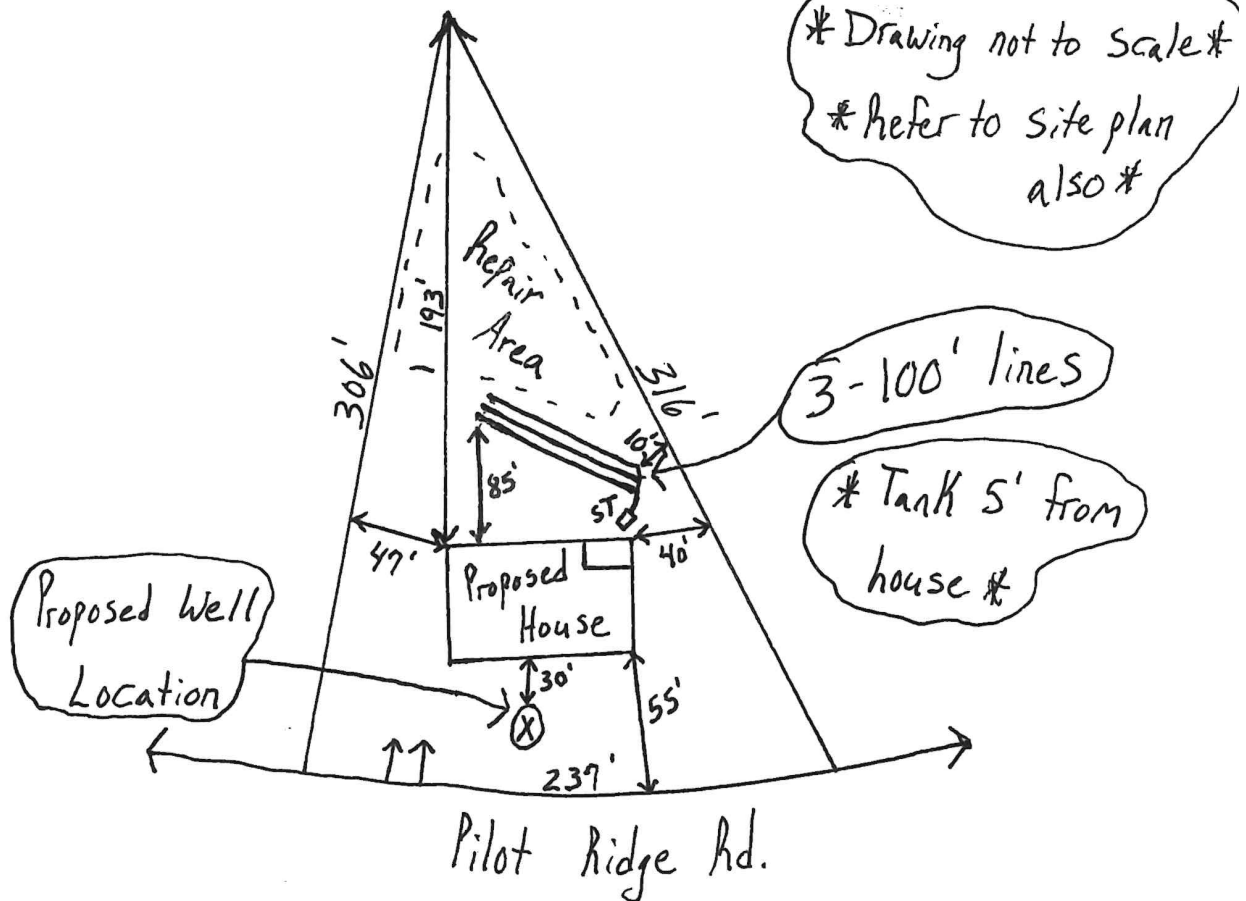
**Any previously dated CA diagram is revoked and/or invalid. Confirm this is the valid diagram for the site before beginning any construction.

Installation/grouting inspections may be scheduled the day before, or, the day of installation until 9am by contacting the Environmental Health office at 919 496 8100. A revisit fee may apply if installation is not ready for inspection at the time requested. Septic Operations Permits will be issued after installation is approved, all permits conditions are met, and any outstanding fees are paid. Well Certificate of Completion will be issued after well head approval, all permit conditions are met, and any outstanding fees are paid.

Septic Tank 1000 Pump Tank N/A Drainfield 3'X 300' Type System ACC Max Trench Depth 35"

Septic Contractor _____ Septic/Pump tank dates _____ Pump Fee Paid _____

Well Contractor _____ Well Head Date: _____ Pump Final: _____ N/A (circle)



SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: Morgan Womble DATE EVALUATED: 6-19-21
ADDRESS: 340 Pilot Ridge Rd. Zebulon, NC 27597
PROPOSED FACILITY: SFD PROPOSED DESIGN FLOW (.0400): 360 PROPERTY SIZE: .85
LOCATION OF SITE: 340 Pilot Ridge Rd. Zebulon, NC 27597 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

P R O F I L E #	.0502 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY		OTHER PROFILE FACTORS				.0509 PROFILE CLASS & LTAR*	.0502(d) SLOPE CORRE CTION
			.0503 STRUCTURE/ TEXTURE	.0503 CONSISTENCE/ MINERALOGY	.0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ		
1	LS 1%	1"-12"	Gr/SL	Fr/NS/NP/SEXP	48"	48"			S .3	<.5'
		12"-48"	BH/CL	Fi/ss/sp/SEXP						
2	LS 2%	1"-11"	Gr/SL	Fr/NS/NP/SEXP	48"	48"			S .3	1"
		11"-48"	BH/CL	Fi/ss/sp/SEXP						
3	LS 2%	1"-11"	Gr/SL	Fr/NS/NP/SEXP	48"	48"			S .3	1"
		11"-48"	BH/CL	Fi/ss/sp/SEXP						
4	LS 1%	1"-12"	Gr/SL	Fr/NS/NP/SEXP	48"	48"			S .3	<.5'
		12"-48"	BH/CL	Fi/ss/sp/SEXP						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM	SITE CLASSIFICATION (.0509): S EVALUATED BY: Joel Bendel OTHER(S) PRESENT:
Available Space (.0508)	✓	✓	
System Type(s)	Acc	Acc	
Site LTAR	.3		
Maximum Trench Depth	35"		

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)	VP (Very plastic)
R (Ridge/summit)		Si (Silt)						
S (Shoulder slope)		IV				SC (Sandy clay)	0.1 - 0.4	0.05 - 0.2
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 |

S(suitable) or U(unsuitable); Evaluation of saprolite shall be by pits.

Inches from land surface to free water

CLASSIFICATION

Show profile location

(dimensions, reference or benchmark, and North).

