Franklin County
NORTH CAROLINA

BD Oak Forest Felix

CDP# 402828

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

Issued to: Clayton Homes **Location: 245 Oak Forest Lane FRANKLINTON , NC 27525**

NEW SEPTIC APPLICATION
NEW WELL APPLICATION

Application Type: NEW SEPTIC NEW WELL
Application Number: E-23-1113
Building Type:
Project Type: New Construction Single Family Dwelling
# of Bedrooms: 4
Residential Project Type: Single Family Dwelling
Building Foundation: Crawlspace
Water Source: New Well

Preferred Type of Septic System: (1) Conventional (rock)
Parcel ID #: 008261

Date: November 13, 2023
Acreage: 6.6
Zoning: AR
# of Occupants: 2
Commercial Project Type:
Square Footage of Facility:
Number of Employees:
Number of Seats:
Notes:
Subdivsion: HATHAWAY

W. Prior — Ballard Part

Applicant Information

Applicant Name: Clayton Homes
Address: 3912 Fayetteville Road Raleigh , NC 27603
Phone: 919-772-5013
Email: r781@claytonhomes.com

Property Owner Information

Owner Name: Clayton Homes
Address: clayton homes RALEIGH , NC 27603
Phone: 919-772-5013
Email: Hc781@claytonhomes.com

General Contractor Information

Contractor Name:
Address: ,
Phone:
Email:

Zoning

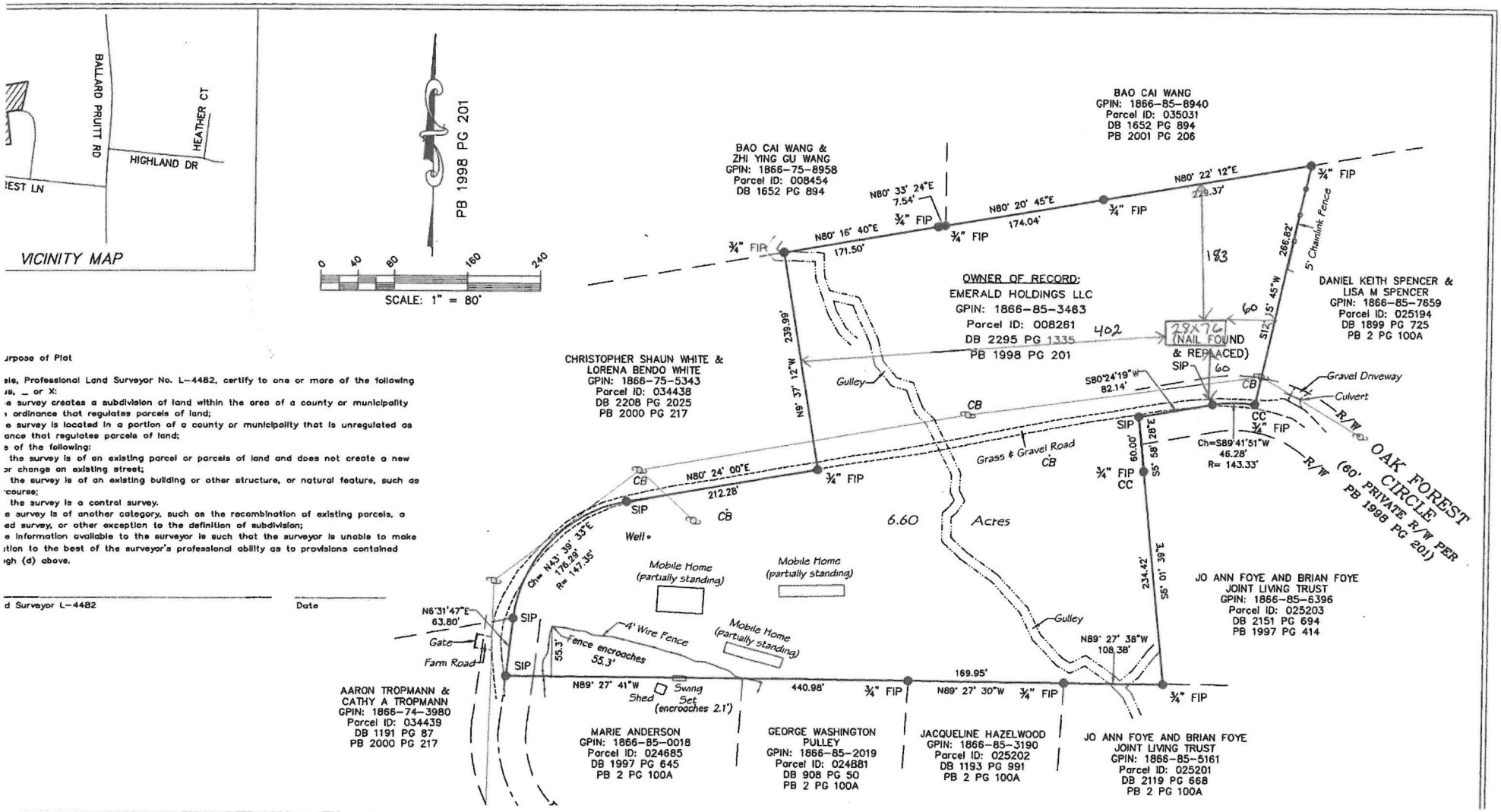
Zoning Permit #: Z-23-1663
Front Setback: 30
Left Setback: 10
County Water: No
Right Setback: 10
Rear Setback: 25

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? Yes
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? No

Call Environmental Health (919-496-8100) in order to schedule an appointment with and environmental Health Specialist for your lot evaluation. Please contact the Environmental Health Department to determine the status of your application prior to visiting the Planning & Inspections Department to obtain a building permit.

IF THE INFORMATION IN THE APPLICATION FOR A SEPTIC PERMIT IS FALSIFIED, CHANGED, OR THE STIE IS ALETERED, 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



urpose of Plat

ele, Professional Land Surveyor No. L-4482, certify to one or more of the following
ss, _ or X:
e survey creates a subdivision of land within the area of a county or municipality
ordinance that regulates parcels of land;
e survey is located in a portion of a county or municipality that is unregulated as
ance that regulates parcels of land;
s of the following:
the survey is of an existing parcel or parcels of land and does not create a new
or change an existing street;
the survey is of an existing building or other structure, or natural feature, such as
course;
the survey is a control survey.
e survey is of another category, such as the recombination of existing parcels, a
ed survey, or other exception to the definition of subdivision;
e information available to the surveyor is such that the surveyor is unable to make
ition to the best of the surveyor's professional ability as to provisions contained
igh (d) above.

d Surveyor L-4482 Date

Engineers and Soil Scientists
Agri-Waste Technology, Inc.
501 North Salem Street
Suite 203
Apex, NC 27502
919-859-0669
www.agriwaste.com

Soil Suitability for Domestic Sewage Treatment and Disposal Systems

180 Oak Forest Lane
Franklinton, NC 27525
Franklin County PIN: 1866-85-3463

Prepared For:	Emerald Holdings, LLC c/o Ayden Damitio
Prepared By:	Jeff Vaughan, Ph.D., L.S.S. Senior Agronomist/Soil Scientist
	Trent Bostic, Associate Soil Scientist
Report Date:	July 1, 2022

Engineers and Soil Scientists

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Soil Suitability for Domestic Sewage Treatment and Disposal Systems
180 Oak Forest Lane, Franklinton, NC27525

PREPARED FOR: Emerald Holdings

PREPARED BY: Jeff Vaughan
Trent Bostic

DATE: July 1, 2022

Soil suitability for domestic sewage treatment and disposal systems was evaluated on June 21, 2022, for property located on Oak Forest Lane near Franklinton, NC. Trent Bostic of Agri-Waste Technology, Inc. (AWT) conducted the soil evaluation. The detailed soil evaluation of the land area will follow. Property reference maps are in Attachment 1. A review of the soil and landscape characteristics that dictate soil suitability for domestic sewage treatment and disposal systems can be found in Attachment 2.

The total property area is approximately 6.6 acres. The property is mostly wooded with a dirt road dissecting the lot. Several vacant mobile homes are located on the southern half of the property. (Attachment 3).

Soil Suitability for Domestic Sewage Treatment and Disposal Systems

The aerial map in Attachment 3 details the approximate property boundaries, soil boring locations, soil types, and soil areas for septic systems. Numerous soil borings were advanced on the property (Attachment 3). A portion of the property contained drainage features, complex topography, existing uses, and/or unsuitable soils and, thus, are unsuitable for septic systems. However, this evaluation was merely a preliminary review to determine what potential this land might have for domestic sewage treatment and disposal systems. Therefore, specific types of septic systems, exact locations of future drainfields and repair areas, plus buffers from property lines (current and potential future lot lines), building foundations, wells, etc. are not fully considered. These things will need to be more fully considered as the plans develop for the potential future of this site. It is possible that additional soil evaluations will be required once lot layouts are considered and developed for this property so that septic system types and the location of a septic drainfield can be more fully and appropriately considered.

Three areas (see map in Attachment 3) evaluated on the property exhibited soil characteristics and soil depths (18" or greater) that are provisionally suitable for

conventional systems (Areas 1 & 2) or drip (Area 3) septic systems. Typical profile descriptions of the provisionally suitable soil for this property are in Attachment 4. Two distinct soil profile was observed in the soil borings on the property: a deep red clay subsoil and a shallow reddish clay subsoil with. The provisionally suitable soil borings had the following characteristics. No restrictive horizons were found in any provisionally soil borings within 18" of the soil surface. Soil texture was provisionally suitable and was estimated to be sandy loam near the soil surface (A and E horizons) and clay in the subsoil (B horizons). Soil structure was provisionally suitable and was estimated to be granular near the soil surface (A and E horizons) and subangular blocky in the subsoil (B horizons). Clay mineralogy was provisionally suitable with very friable to firm moist soil consistence and non-sticky to sticky and non-plastic to plastic wet soil consistence.

The predominantly mapped soil type on this property is the Wake-Saw-Wedowee complex (map symbol WaB) and the Wake-Wateree-Wedowee complex (map symbil WbD). The Franklin County Soil Survey indicates that moderate to severe limitations exist for septic systems installed in these soils types (Attachment 5).

The land area required for a conventional septic system is calculated based on the size of the proposed home and the Long-Term Acceptance Rate (LTAR) of the soil. The LTAR range for the provisionally suitable soils on this property is 0.1 – 0.3 GPD/ft^2 for conventional septic systems based on the most restrictive soil texture in the subsoil. The LTAR suggested by AWT is 0.3 GPD/ft^2, but the final LTAR for specific septic system types and septic drainfield locations will be set by the Franklin County Health Department and possibly will be based on saturated hydraulic conductivity tests. The detailed computations are in Attachment 6.

The land area required for a drip septic system is calculated based on the size of the proposed home and the Long-Term Acceptance Rate (LTAR) of the soil. The LTAR range for the provisionally suitable soils on this property is 0.05 – 0.15 GPD/ft^2 for drip septic systems based on the most restrictive soil texture in the subsoil. The LTAR suggested by AWT is 0.1 GPD/ft^2, but the final LTAR for specific septic system types and septic drainfield locations will be set by the Franklin County Health Department and possibly will be based on saturated hydraulic conductivity tests. The detailed computations are in Attachment 6.

Conclusions

Typically, the area required for a septic system is 3,000 – 5,000 ft^2 (initial and repair) per bedroom. Based on the results of this evaluation, the installation of conventional and drip septic systems seems very probable on this property in the areas designated on the map in Attachment 3.

We appreciate the opportunity to assist you in this matter. Please contact us with any questions, concerns, or comments.

Property I.D#: 1866-85-3463
Property Recorded:
County: Franklin

SOIL/SITE EVALUATION
FOR
ON-SITE WASTEWATER SYSTEM

Applicant: Emerald Holdings
Address:

Owner: ___ Agent: X Phone:
Date Evaluated: 06/21/2022
Proposed Facility: Residential
Property Size: Approximately 6.6 acres

Location Site: 180 Oak Forest Lane
Water Supply: On Site Well X Comm. Well___ Public___ Other___ Evaluation Method: Auger Boring X Pit___ Cut___

TYPICAL PROFILE

Horizon/ Depth (IN)	Matrix	Mottles	Mottle Abundance / Contrast	(a)(1) Texture	(a)(2) Structure	(a)(3) Minerology	Consistence Wet	Consistence Moist
A 0-4"	**10YR 4/3**	**None**	**None**	**SL**	**GR**	**NEXP**	**NS, NP**	**Vfr**
E 4-7"	**10YR 6/4**	**None**	**None**	**SL**	**GR**	**NEXP**	**NS, NP**	**Vfr**
Bt1 7-26"	**7.5YR 5/7**	**None**	**None**	**C**	**SBK**	**SEXP**	**SS, SP**	**Fi**
Bt2 26-30"+	**7.5YR 5/6**	**2.5 YR 4/6**	**1, D, m**	**C**	**w/SBK**	**SEXP**	**SS, SP**	**Fr**

.1940 Landscape Pos/Slope %	- Suitable, <15%	Profile LTAR	- 0.1 – 0.05 GPD/ft^2
.1942 Wetness Condition	- Suitable	System Type	- Provisionally suitable for drip septic systems
.1943/.1956 Saprolite	- Suitable		
.1944 Restrictive Horizon	- Suitable		
.1948 Profile Classification	- Provisionally suitable		

Comments: Some indications of saprolite 26-34"

TYPICAL PROFILE

Horizon/ Depth (IN)	Matrix	Mottles	Mottle Abundance /Contrast	(a)(1) Tex-ture	(a)(2) Structure	(a)(3) Minerology	Consistence Wet	Consistence Moist
Ap 0-6"	**10YR 5/3**	**None**	**None**	**SL**	**GR**	**NEXP**	**NS, NP**	**Vfr**
Bt1 6-14"	**10YR 5/6**	**None**	**None**	**C**	**SBK**	**SEXP**	**SS, SP**	**Fr**
Bt2 14-20+"	**10YR 5/6**	**10YR 5/2**	**2, D, m**	**C**	**SBK**	**SEXP**	**SS, SP**	**Fr**

Table 11.—Sanitary Facilities—Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
VnB Varina	Severe: percs slowly.	Moderate: slope.	Moderate: too clayey.	Slight	Fair: too clayey, hard to pack.
VnC Varina	Severe: percs slowly.	Severe: slope.	Moderate: slope, too clayey.	Moderate: slope.	Fair: too clayey, hard to pack, slope.
WaB*: Wake	Severe: depth to rock.	Severe: seepage, depth to rock.	Severe: depth to rock.	Severe: depth to rock.	Poor: depth to rock, seepage, small stones.
Saw	Severe: depth to rock.	Severe: seepage, depth to rock.	Severe: depth to rock, seepage.	Severe: depth to rock, seepage.	Poor: depth to rock.
WaB*: Wedowee	Moderate: percs slowly.	Moderate: seepage, slope.	Slight	Slight	Fair: small stones.
WbD*: Wake	Severe: depth to rock.	Severe: seepage, depth to rock, slope.	Severe: depth to rock.	Severe: depth to rock.	Poor: depth to rock, seepage, small stones.
Wateree	Severe: depth to rock.	Severe: seepage, depth to rock, slope.	Severe: depth to rock, seepage.	Severe: depth to rock, seepage.	Poor: depth to rock.
Wedowee	Moderate: percs slowly, slope.	Severe: slope.	Moderate: slope.	Moderate: slope.	Fair: small stones, slope.
WcE*: Wake	Severe: depth to rock, slope.	Severe: seepage, depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Poor: depth to rock, seepage, small stones.
Wateree	Severe: depth to rock, slope.	Severe: seepage, depth to rock, slope.	Severe: depth to rock, seepage, slope.	Severe: depth to rock, seepage, slope.	Poor: depth to rock, slope.
WdE*: Wateree	Severe: depth to rock, slope.	Severe: seepage, depth to rock, slope.	Severe: depth to rock, seepage, slope.	Severe: depth to rock, seepage, slope.	Poor: depth to rock, slope.
Rion	Severe: slope.	Severe: seepage, slope.	Severe: seepage, slope.	Severe: seepage, slope.	Poor: slope.

See footnote at end of table.

Table 11.—Sanitary Facilities—Continued

Soil name and map symbol	Septic tank absorption fields	Sewage lagoon areas	Trench sanitary landfill	Area sanitary landfill	Daily cover for landfill
WdE*:					
Wedowee	Severe: slope.	Severe: slope.	Severe: slope.	Severe: slope.	Poor: slope.
WeB	Moderate: percs slowly.	Moderate: seepage, slope.	Slight	Slight	Fair: small stones.
WeC, WeD	Moderate: percs slowly, slope.	Severe: slope.	Moderate: slope.	Moderate: slope.	Fair: small stones, slope.
WuC*:					
Wedowee	Moderate: percs slowly.	Moderate: seepage, slope.	Slight	Slight	Fair: small stones.
Urban land	Variable	Variable	Variable	Variable	Variable.
Udorthents	Variable	Variable	Variable	Slight	Variable.
WwB*:					
Winnsboro	Severe: percs slowly.	Moderate: depth to rock, slope.	Severe: depth to rock, too clayey.	Moderate: depth to rock.	Poor: too clayey, hard to pack.
Wilkes	Severe: depth to rock.	Severe: depth to rock.	Severe: depth to rock, too clayey.	Severe: depth to rock.	Poor: depth to rock, too clayey, hard to pack.
WwD*:					
Winnsboro	Severe: percs slowly.	Severe: slope.	Severe: depth to rock, too clayey.	Moderate: depth to rock, slope.	Poor: too clayey, hard to pack.
Wilkes	Severe: depth to rock.	Severe: depth to rock, slope.	Severe: depth to rock, too clayey.	Severe: depth to rock.	Poor: depth to rock, too clayey, hard to pack.
WwE*:					
Winnsboro	Severe: percs slowly, slope.	Severe: slope.	Severe: depth to rock, slope, too clayey.	Severe: slope.	Poor: too clayey, hard to pack, slope.
Wilkes	Severe: depth to rock, slope.	Severe: depth to rock, slope.	Severe: depth to rock, slope, too clayey.	Severe: depth to rock, slope.	Poor: depth to rock, too clayey, hard to pack.

* See description of the map unit for composition and behavior characteristics of the map unit.

Drip Septic System Area Computation

Created by: JV
Created on: 6/20/2001
Updated on: 2/4/2022

Client Name:	*Emerald Holdings*	
Number Bedrooms:	*3*	
Design Flow (gal/day):	360	(120 gal/day/bedroom, minimum 240 gal/day/dwelling)
LTAR (gal/day/ft^2)	*0.1*	
Trench Bottom Area (ft^2):	3600	(Design flow/LTAR)
Trench Width (ft):	0	
On-center distance between trenches (ft):	2	
Trench Bottom Length (ft):	1800	
Minimum Field Area Required (ft^2):	3600	(Trench Bottom Length*Trench on-center distance)
Total Field Area Required (ft^2)$^{(1)}$:	9000	(Minimum field area*2.5)
Total Field Area Required (ft^2)$^{(1)}$:	10800	(Minimum field area*3)

(1) Provides for reserve area and soil irregularity, 2.5 to 3 is multiplier.

Client Name:	*Emerald Holdings*	
Number Bedrooms:	*4*	
Design Flow (gal/day):	480	(120 gal/day/bedroom, minimum 240 gal/day/dwelling)
LTAR (gal/day/ft^2)	*0.1*	
Trench Bottom Area (ft^2):	4800	(Design flow/LTAR)
Trench Width (ft):	0	
On-center distance between trenches (ft):	2	
Trench Bottom Length (ft):	2400	
Minimum Field Area Required (ft^2):	4800	(Trench Bottom Length*Trench on-center distance)
Total Field Area Required (ft^2)$^{(1)}$:	12000	(Minimum field area*2.5)
Total Field Area Required (ft^2)$^{(1)}$:	14400	(Minimum field area*3)

(1) Provides for reserve area and soil irregularity, 2.5 to 3 is multiplier.

Client Name:	*Emerald Holdings*	
Number Bedrooms:	*5*	
Design Flow (gal/day):	600	(120 gal/day/bedroom, minimum 240 gal/day/dwelling)
LTAR (gal/day/ft^2)	*0.1*	
Trench Bottom Area (ft^2):	6000	(Design flow/LTAR)
Trench Width (ft):	0	
On-center distance between trenches (ft):	2	
Trench Bottom Length (ft):	3000	
Minimum Field Area Required (ft^2):	6000	(Trench Bottom Length*Trench on-center distance)
Total Field Area Required (ft^2)$^{(1)}$:	15000	(Minimum field area*2.5)
Total Field Area Required (ft^2)$^{(1)}$:	18000	(Minimum field area*3)

(1) Provides for reserve area and soil irregularity, 2.5 to 3 is multiplier.

Conventional Septic System Area Computation

Created by: TB
Created on: 2/6/2017
Updated on: N/A

Client Name:	*Emerald Holdings*	
Number Bedrooms:	***3***	
Design Flow (gal/day):	360	(120 gal/day/bedroom, minimum 240 gal/day/dwelling)
LTAR (gal/day/ft^2)	*0.3*	
Trench Bottom Area (ft^2):	1200	(Design flow/LTAR)
Trench Width (ft):	3	
On-center distance between trenches (ft):	9	
Trench Bottom Length (ft):	400	(Conventional - Pipe & Gravel)
Minimum Field Area Required (ft^2):	3600	(Trench Bottom Length*Trench on-center distance)
Minimum Field Area Required (Innovative) (ft^2):	2700	(25% reduction from above)
Total Field Area Required (ft^2)$^{(1)}$:	9000	(Minimum field area*2.5)
Total Field Area Required (Innovative) (ft^2)$^{(1)}$:	6750	(25% reduction from above)
Total Field Area Required (ft^2)$^{(1)}$:	10800	(Minimum field area*3)
Total Field Area Required (Innovative) (ft^2)$^{(1)}$:	8100	(25% reduction from above)

(1) Provides for reserve area and soil irregularity, 2.5 to 3 is multiplier.

Client Name:	*Emerald Holdings*	
Number Bedrooms:	***4***	
Design Flow (gal/day):	480	(120 gal/day/bedroom, minimum 240 gal/day/dwelling)
LTAR (gal/day/ft^2)	*0.3*	
Trench Bottom Area (ft^2):	1600	(Design flow/LTAR)
Trench Width (ft):	3	
On-center distance between trenches (ft):	9	
Trench Bottom Length (ft):	533.3333	(Conventional - Pipe & Gravel)
Minimum Field Area Required (ft^2):	4800	(Trench Bottom Length*Trench on-center distance)
Minimum Field Area Required (Innovative) (ft^2):	3600	(25% reduction from above)
Total Field Area Required (ft^2)$^{(1)}$:	12000	(Minimum field area*2.5)
Total Field Area Required (Innovative) (ft^2)$^{(1)}$:	9000	(25% reduction from above)
Total Field Area Required (ft^2)$^{(1)}$:	14400	(Minimum field area*3)
Total Field Area Required (Innovative) (ft^2)$^{(1)}$:	10800	(25% reduction from above)

(1) Provides for reserve area and soil irregularity, 2.5 to 3 is multiplier.

Client Name:	*Emerald Holdings*	
Number Bedrooms:	***5***	
Design Flow (gal/day):	600	(120 gal/day/bedroom, minimum 240 gal/day/dwelling)
LTAR (gal/day/ft^2)	*0.3*	
Trench Bottom Area (ft^2):	2000	(Design flow/LTAR)
Trench Width (ft):	3	
On-center distance between trenches (ft):	9	
Trench Bottom Length (ft):	666.6667	(Conventional - Pipe & Gravel)
Minimum Field Area Required (ft^2):	6000	(Trench Bottom Length*Trench on-center distance)
Minimum Field Area Required (Innovative) (ft^2):	4500	(25% reduction from above)
Total Field Area Required (ft^2)$^{(1)}$:	15000	(Minimum field area*2.5)
Total Field Area Required (Innovative) (ft^2)$^{(1)}$:	11250	(25% reduction from above)
Total Field Area Required (ft^2)$^{(1)}$:	18000	(Minimum field area*3)
Total Field Area Required (Innovative) (ft^2)$^{(1)}$:	13500	(25% reduction from above)

(1) Provides for reserve area and soil irregularity, 2.5 to 3 is multiplier.

.1940 Landscape Pos/Slope %	- Su. ole, <15%	Profile LTAR	- 0.1 – 0.05 GPD/ft^2
.1942 Wetness Condition	- Suitable	System Type	- Provisionally suitable for drip septic systems
.1943/.1956 Saprolite	- Suitable		
.1944 Restrictive Horizon	- Suitable		
.1948 Profile Classification	- Provisionally suitable		

Comments: Low chroma is saprololite

EVALUATED BY: **Trent Bostic**
COMMENTS:

LEGEND OF ABBREVIATIONS FOR SITE EVALUATION FORM

LANDSCAPE POSITION

CC - Concave Slope
CV - Convex Slope
DS - Debris Slump
D - Depression
DW - Drainage Way
FP - Flood Plain
FS - Foot Slope
H - Head Slope
I - Interflueve
L - Linear Slope
N - Nose Slope
P - Pocosin
R - Ridge
S - Shoulder
T - Terrace

TEXTURE GROUP

I
II
III
IV

TEXTURE CLASS

S - Sand
LS - Loamy Sand
SL - Sandy Loam
L - Loam
SCL - Sandy Clay Loam
CL - Clay Loam
SiL - Silt Loam
Si - Silt
SiCL - Silt Clay Loam
SC - Sandy Clay
C - Clay
SiC - Silty Clay
O - Organic

.1955 LTAR (gal/day/sqft)

1.2 - .08
0.8 - 0.6
0.6 - 0.3
0.4 - 0.1

STRUCTURE

G - Single Grain
M - Massive
CR - Crumb
GR - Granular
SBK - Subgranular Blocky
ABK - Angular Blocky
PL - Platy
PR - Prismatic

MOIST CONSISTENCE

Vfr - Very Friable
Fr - Friable
Fi - Firm
Vfi - Very Firm
Efi - Extremely Firm

MOTTLES

1 - Few
2 - Common
3 - Many

F - Faint
D - Distinct
P - Prominent

f - Fine
m - Medium
c - Coarse

WET CONSISTENCE

NS - Non Sticky
SS - Slightly Sticky
S - Sticky
VS - Very Sticky

NP - Non Plastic
SP - Slightly Plastic
P - Plastic
VP - Very Plastic

AWT
Engineers and Soil Scientists

Agri-Waste Technology, Inc.
501 N. Salem St. Suite 203
Apex NC 27502
P: 919.859.0669
www.agriwaste.com

Preliminary Soil Evaluation

Emerald Holdings
Franklin Co., NC

N

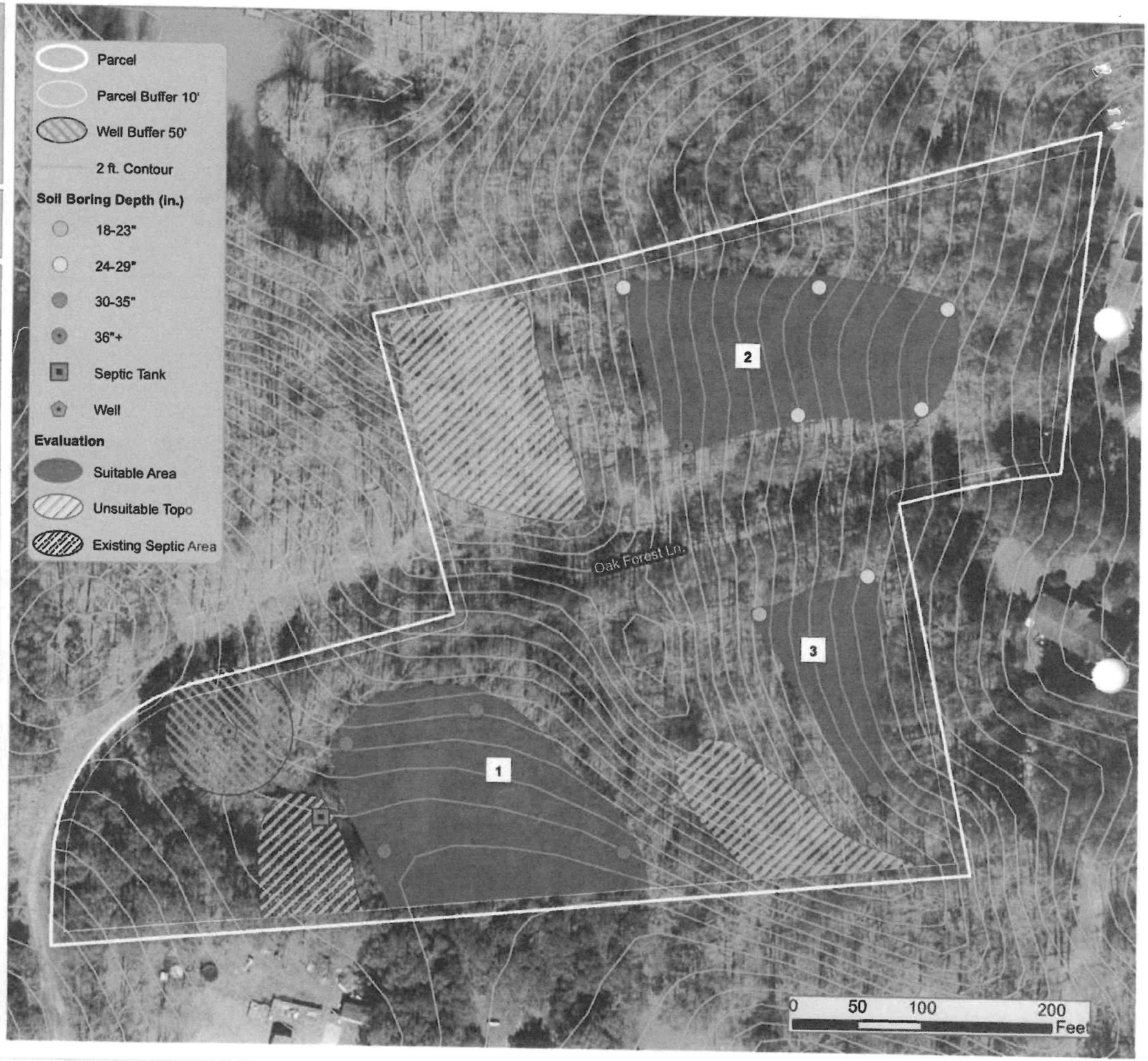
Suitable Area:

Area 1: ~ 30,449 sq.ft.
Area 2: ~ 27,655 sq.ft.
Area 3: ~ 10,224 sq.ft.

Soil Type:

WaB - Wake-Saw-Wedowee complex
WbD - Wake-Wateree-Wedowee complex

Drawn By: Julie Davidson
Reviewed By: Trent Bostic
Date: 7/1/2022



Well Construction Permit

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

For Office Use Only

*CDP File Number 402828

PIN Number:

Tax Lot #: Tax Block #: 008261

Evaluated For:

PERMIT VALID UNTIL: 11/30/2028

Property Owner:	CLAYTON HOMES
Address:	
City:	
State/Zip:	NC
Phone #:	

Applicant:	CLAYTON HOMES
Address:	
City:	
State/Zip:	NC
Phone #:	

Property Location & Site Information

Address/Road #: Subdivision: Phase: Lot:

245 OAK FOREST LN
FRANKLINTON NC, 27525

*Proposed use of Well:

If Other:

Applicant Email:

Owner Email:

Directions: 245 OAK FOREST

Well Contractor Information

Drilling Contractor:

Driller Registration:

Permit Conditions

*Permit Conditions

Well sited for left of driveway close to gravel road to allow for 50 ft setback to septic. Respect 25 ft setback from house.

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: Jones, Lori

*Date of Issue: 11/30/2023

(✓) Hand Drawing ( ) Import Drawing

Site Plan/Drawing attached.

Authorized State Agent:

Owner/Applicant:

Well Construction Permit

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

For Office Use Only

*CDP File Number 402828

PIN Number:

Tax Lot #: Tax Block #: 008261

Evaluated For:

PERMIT VALID UNTIL: 11/30/2028

IMPROVEMENT PERMIT

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

For Office Use Only

*CDP File Number: 402828 - 1
County ID Number:
Evaluated For: NEW

PERMIT VALID UNTIL: 11/30/2028

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

Applicant:	CLAYTON HOMES	Property Owner:	CLAYTON HOMES
Address:	3912 FAYETTEVILLE RD	Address:	3912 FAYETTEVILLE RD
City:	RALEIGH	City:	RALEIGH
State/Zip:	NC 27603	State/Zip:	NC. 27603
Phone #:		Phone #:	

Property Location & Site Information

Address: 245 OAK FOREST LN
FRANKLINTON, NC 27525
Subdivision:
Block/Phase: NEW
Lot:

Directions

245 OAK FOREST

Road #:
Structure: SINGLE FAMILY
# of Bedrooms: 4
# of People: 2
*Water Supply: N/A

System Specifications

Initial System

*Site Classification: Provisionally Suitable
Design Flow: 480
Soil Application Rate: 0.3000

*System Classification/Description:
TYPE II A. CONV SYSTEM (SINGLE-FAMILY OR 480 GPD OR LESS)

*Proposed System:
25% REDUCTION

Minimum Trench Depth: ____ Inches
Maximum Trench Depth: 20 Inches

Septic Tank: 1000 Gallons
Pump Required ◯ Yes (X) No ◯ May Be Required
Pump Tank: ____ Gallons

Repair System Required: (X) Yes ◯ No ◯ No, but has Available Space

Repair System

*Site Classification: Provisionally Suitable
Soil Application Rate: 0.300

*System Classification/Description:
TYPE II A. CONV SYSTEM (SINGLE-FAMILY OR 480 GPD OR LESS)

*Proposed System: 25% REDUCTION

Minimum Trench Depth: ____ Inches
Maximum Trench: Depth: 20 Inches

Pump Required: ◯ Yes (X) No ◯ May Be Required
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**

CDP File Number: 402828

County ID Number:

The Department and Local Health Department may impose conditions on the issurance 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 it 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 (.1938(b)).

Authorized State Agent: Jones, Lori

Date of Issue: 11/30/2023

Total TIme: (HH:MM)

☑ Hand Drawing ○ Import Drawing ****Site Plan/Drawing attached.****

____ : ____

Construction Authorization

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

For Office Use Only

*CDP File Number: 402828 - 1
County ID Number:
Evaluated For: NEW

PERMIT VALID UNTIL: 11/30/2028

☐ Open Pump System Sheet

Applicant:	CLAYTON HOMES
Address:	3912 FAYETTEVILLE RD
City:	RALEIGH
State/Zip:	NC 27603
Phone #:	

Property Owner:	CLAYTON HOMES
Address:	3912 FAYETTEVILLE RD
City:	RALEIGH
State/Zip:	NC. 27603
Phone #:	

Property Location & Site Information

Address/Road #: 245 OAK FOREST LN FRANKLINTON, NC 27525
Subdivision:
Phase: NEW
Lot:

Structure: SINGLE FAMILY
# of Bedrooms: 4
# of People: 2
*Water Supply:

Directions:

245 OAK FOREST

System Specifications

*Site Classification: Provisionally Suitable
Design Flow: 480
Soil Application Rate: 0.3000
*System Classification/Description: TYPE II A. CONV SYSTEM (SINGLE-FAMILY OR 480 GPD OR LESS)
*Proposed System: 25% REDUCTION

Minimum Trench Depth: ____ Inches
Maximum Trench Depth: 20 Inches
Minimum Soil Cover: ____ Inches
Maximum Soil Cover: ____ Inches
*Distribution Type: GRAVITY - PARALLEL (eq. d-box)

Nitrification Field: ____ Sq. ft.
No. Drain Lines: 4
Total Trench Length: 400 ft.
Trench Spacing: ____ - 9
Trench Width: ____ - 3
Aggregate Depth: ____ inches

◯ Inches O.C. (X) Feet O.C.
◯ Inches (X) Feet

Septic Tank: 1,000 Gallons
Pump Required: ◯ Yes (X) 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 (.1937(g)). Ther person owning or controlling the system shall be responsible for assuring compliance with the laws, rules, and permit conditions regaurding system location, installation, operation, maintenance, monitoring, reporting

Authorized State Agent: Jones, Lori
Date of Issue: 11/30/2023

(✓) 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: 402828 - 1
County ID Number:
Evaluated For: NEW

PERMIT VALID UNTIL: 11/30/2028

☐ Open Pump System Sheet

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Address:	3912 FAYETTEVILLE RD
City:	RALEIGH
State/Zip:	NC 27603
Phone #:	

Property Owner:	CLAYTON HOMES
Address:	3912 FAYETTEVILLE RD
City:	RALEIGH
State/Zip:	NC. 27603
Phone #:	

Property Location & Site Information

Address/Road #: 245 OAK FOREST LN
FRANKLINTON, NC 27525

Subdivision:

Phase: NEW Lot:

Structure: SINGLE FAMILY

# of Bedrooms: 4

# of People: 2

*Water Supply:

Directions:

245 OAK FOREST

Revised 12-15-23

System Specifications

*Site Classification: Provisionally Suitable

Design Flow: 480

Soil Application Rate: 0.3000

*System Classification/Description:
TYPE II A. CONV SYSTEM (SINGLE-FAMILY OR 480 GPD OR LESS)

*Proposed System:
25% REDUCTION

Minimum Trench Depth: _____ Inches

Maximum Trench Depth: 20 Inches

Minimum Soil Cover: _____ Inches

Maximum Soil Cover: _____ Inches

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

Nitrification Field: _____ Sq. ft.

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Total Trench Length: 400 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:**

*on 12/15/2023 added a 12x12 deck to site map. Suitable soil from house back is about 100 ft, so staying 20 feet from actual house location is permittable. May require 5 lines at 3x80 ft. Do not install sepic 50 closer than 50 ft from property line behind house.

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 (.1937(g)). Ther person owning or controlling the system shall be responsible for assuring compliance with the laws, rules, and permit conditions regaurding system location, installation, operation, maintenance, monitoring, reporting

Authorized State Agent: Jones, Lori

Date of Issue: 11/30/2023

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

Total Time : (HH:MM) _____

✓ Hand Drawing ○ Import Drawing

AWT
Engineers and Soil Scientists

Agri-Waste Technology, Inc.
501 N. Salem St. Suite 203
Apex NC 27502
P: 919.859.0669
www.agriwaste.com

Preliminary Soil Evaluation

Emerald Holdings
Franklin Co., NC

N

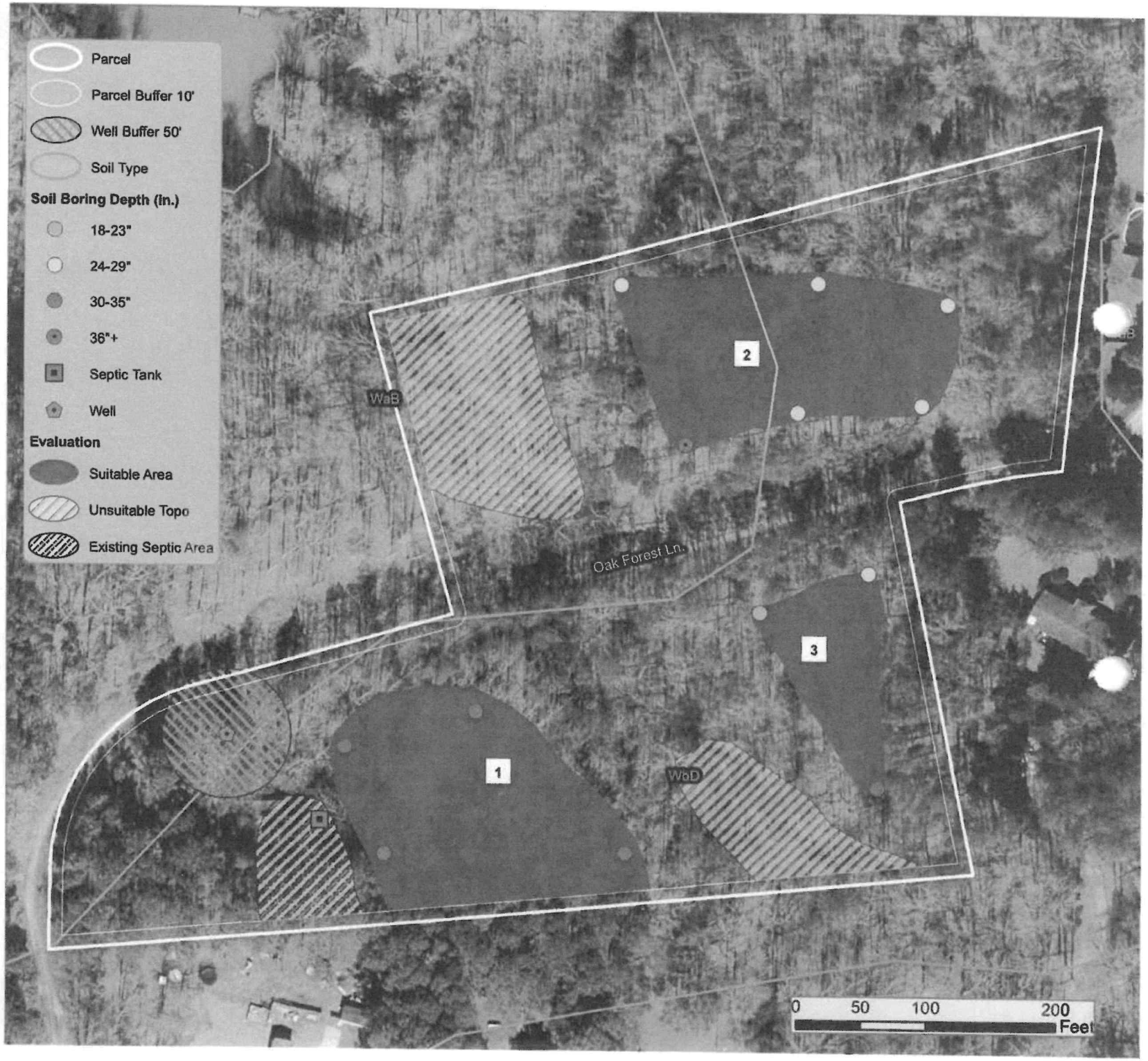
Suitable Area:

Area 1: ~ 30,449 sq.ft.
Area 2: ~ 27,655 sq.ft.
Area 3: ~ 10,224 sq.ft.

Soil Type:

WaB - Wake-Saw-Wedowee complex
WbD - Wake-Wateree-Wedowee complex

Drawn By: Jolie Davidson
Reviewed By: Trent Bostic
Date: 7/1/2022



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

Nov 29

Off Ballard Pruitt Rd

Sheet 1 of 1 (f+b)
PROPERTY ID #:
COUNTY: Franklin

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: Clayton Hms
ADDRESS: 3912 Fayetteville Rd Rd.
PROPOSED FACILITY: Res.
PROPOSED DESIGN FLOW (.1949): 480
LOCATION OF SITE: 245 Oak Forest Ln
APPLICATION DATE: 11-13-23
DATE EVALUATED: 11-30-23
PROPERTY SIZE:
PROPERTY RECORDED:
WATER SUPPLY: ☐ Private ☐ Public ☑ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☑ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☑ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	Linear Slope	0-4	Gr L	Fr Ns Np SE		32			PS
		4-32	4K Bk SC	Fi ss sp SE		-12			
	3-4%					20" install			.3
2									

@32 soil change to signs of parent mat + sap

+ Soil work from AWT

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
System Type(s)		
LTAR	.3	.3

OTHER FACTORS (.1946): PS
SITE CLASSIFICATION (.1948):
EVALUATED BY: Lou Jon
OTHER(S) PRESENT:

COMMENTS:

over →

OPERATION PERMIT

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

For Office Use Only

*CDP File Number: 402828 - 1
County ID Number:
Evaluated For: NEW

Property Owner: CLAYTON HOMES
Owner Address: 3912 FAYETTEVILLE RD

City: RALEIGH
State/Zip: NC/ 27603
Phone #:
Address: 245 OAK FOREST LN
FRANKLINTON, NC 27525
Road #:
Township:
Subdivision:
Phase : NEW Lot:

Structure: SINGLE FAMILY
# of Bedrooms: 4
# of People: 2
Water Supply: NEW WELL
Saprolite System?: ☐ Yes ☒ No
Pump Required?: ☐ Yes ☒ No
Design Flow: 480
System Classification/Description: TYPE II A. CONV SYSTEM (SINGLE-FAMILY OR 480 GPD OR LESS)

Installer: Brinkley Farms
Certification #:

Specific System Installed: EZFLOW EZ 1203H-GEO

Septic Tank Date: 12/20/2023

STB: 853

Pump Tank Date:

PT:

Comments:

This system has been installed in compliance with applicable NC General Statutes, Rules for Sewage Treatment and Disposal, and all conditions of the Improvement Permit and Construction Authorization.

PERMIT CONDITIONS:

I. Performance: System shall perform in accordance with Rule .1301.

II. Monitoring: As required by Rule .1301.

III. Maintenance: Ground absorption sewage treatment and disposal systems shall be checked, and the contents of the septic tank removed, periodically from all compartments, to ensure proper operation of the system. The contents shall be pumped whenever the solids level is found to be more than 1/3 of the liquid depth in any compartment.

Other:

Subsurface Operator Required: ☐ Yes ☒ No

If yes, see attached sheet for additional operation conditions, maintenance and reporting.

Operation:

Other:

Authorized State Agent: Jones, Lori

Date of Issue: 03/20/2024

Owner/Applicant: _____

Franklin County

*File #: 402828 - 2
PIN #:
Tax Lot #:
Tax Block #: 008261

WELL CONSTRUCTION RECORD

Owner: CLAYTON HOMES

, NC

Directions
245 OAK FOREST

Drilling Contractor: Southern Well Drilling
Driller Registration: 3104
Date Drilled: 03/21/2024
Use of Well: SINGLE FAMILY

Total Depth: 420 Ft.
Static Water Level: 30 Ft.
Replacement Well: NO
Yield: 2 gpm

Water Zone: 1) Ft. 2) Ft.
3) Ft. 4) Ft.

Disinfection Type: GRANULAR Amount:

WELL HEAD CONSTRUCTION

Location:
Latitude:
Longitude:

Enclosure	☐ Yes	☐ No	☒ N/A
Enclosure Floor	☐ Yes	☐ No	☒ N/A
Access Port	☒ Yes	☐ No	☐ N/A
Vent:	☒ Yes	☐ No	☐ N/A
Sample Tap	☒ Yes	☐ No	☐ N/A
Back Flow	☒ Yes	☐ No	☐ N/A
Tee (jet)	☐ Yes	☐ No	☒ N/A
Suction Line	☐ Yes	☐ No	☐ N/A
Temporary	☐ Yes	☐ No	☒ N/A
Well ID Plate	☒ Yes	☐ No	☐ N/A
Pump ID Plate	☒ Yes	☐ No	☐ N/A

EHS: Jones, Lori

Issue Date: 04/08/2024

Casing: Depth: Ft. Thickness: In. Comments:
Diameter: In. Top of Casing: In.
Material: PVC SCH 40

Grout:

Depth			Material	Method
From 0	To	Ft.	N/A	N/A
From 0	To	Ft.	N/A	N/A

*** Liner Date:** From 0 To Ft.

Grout:

Depth			Material	Method
From 0	To	Ft.	N/A	N/A

Issued by: Jones, Lori
Date of Issue: 04/08/2024

This well was constructed, repaired or abandoned in compliance with the well permit and in accordance with 15 A NCAC 02C .0100, .0300. The well owner shall not place potential sources of groundwater contamination closer to the well than the separation distances specified in 15A NCAC 02C .0100, .0300.

off Ballard Fruit Rd ~~12:00~~ 11:00

Franklin County
NORTH CAROLINA

File #: 402828 PIN#:

Property Address: 245 Oak Forest Ln. Frk

Applicant or Owner Name: Clayton Homes

Environmental Health Septic/Well Permit Diagram

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

(V) Septic Improvement Permit (V) Septic Construction Authorization (CA) (S) CA Reissue** (D) As Built

(V) Well Construction Authorization ( ) Additional Diagram/Specifications Attached

X on back more details

Diagram Date**: 11-30-2023 EHS: Lori Jones

**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 na Drainfield 3'x400' Type System Gravity/Dbox Accepted Max Trench Depth 20"

Septic Contractor Bonkley Farms Envr. Septic/Pump tank dates 12-20-22 Pump fee? NO YES pd

Well Contractor ~~LP Flow~~ Well Head date: Mills 853 or self grout Well Head Date:

Supply Line 50' 48-2024 closest line 20' from house Suitable soil

Bedrooms: 4

If Repair: na

Acreage: 6.6

Parcel ID: 008261

*Drawing not to scale (if large acreage, may be portion)

(If not as built, indicate changes on front or back of sheet.)

Soil work by AWT 7-1-22

Aerial Footage Bonkley Envr.

★ Stay 12-15-22 adj. 20' from house box (not including 12x12 deck)

allowance for deck →

Elev. top line 6.52 Bottom line 9.42

Repair 3'x60' contour 50' 183'

on back

House 60'

W 60'

402'

Gravel Rd

Gravel Rd

Gulley

Old mobile Homes

Suitable soil

Suita Soil

269'

WELL CONSTRUCTION RECORD

This form can be used for single or multiple wells

1. Well Contractor Information:

Van Elliott
Well Contractor Name

3104
NC Well Contractor Certification Number

Southern Well Drilling LLC
Company Name

2. Well Construction Permit #: 402828
List all applicable well construction permits (i.e. County, State, Variance, etc.)

3. Well Use (check well use):

Water Supply Well:
- ☐ Agricultural
- ☐ Municipal/Public
- ☐ Geothermal (Heating/Cooling Supply)
- ☒ Residential Water Supply (single)
- ☐ Industrial/Commercial
- ☐ Residential Water Supply (shared)
- ☐ Irrigation

Non-Water Supply Well:
- ☐ Monitoring
- ☐ Recovery

Injection Well:
- ☐ Aquifer Recharge
- ☐ Groundwater Remediation
- ☐ Aquifer Storage and Recovery
- ☐ Salinity Barrier
- ☐ Aquifer Test
- ☐ Stormwater Drainage
- ☐ Experimental Technology
- ☐ Subsidence Control
- ☐ Geothermal (Closed Loop)
- ☐ Tracer
- ☐ Geothermal (Heating/Cooling Return)
- ☐ Other (explain under #21 Remarks)

4. Date Well(s) Completed: 3-21-24 **Well ID#** _____

5a. Well Location:

Clayton Homes
Facility/Owner Name

Facility ID# (if applicable)

245 Oak Forest LN
Physical Address, City, and Zip

Franklin
County

Parcel Identification No. (PIN)

5b. Latitude and Longitude in degrees/minutes/seconds or decimal degrees:
(if well field, one lat/long is sufficient)

_____ N _____ W

6. Is (are) the well(s): ☒ Permanent or ☐ Temporary

7. Is this a repair to an existing well: ☐ Yes or ☒ No
If this is a repair, fill out known well construction information and explain the nature of the repair under #21 remarks section or on the back of this form.

8. Number of wells constructed: 1
For multiple injection or non-water supply wells ONLY with the same construction, you can submit one form.

9. Total well depth below land surface: 420 (ft.)
For multiple wells list all depths if different (example- 3@200' and 2@100')

10. Static water level below top of casing: 30 (ft.)
If water level is above casing, use "+"

11. Borehole diameter: 6 (in.)

12. Well construction method: Air
(i.e. auger, rotary, cable, direct push, etc.)

FOR WATER SUPPLY WELLS ONLY:

13a. Yield (gpm) 2 **Method of test:** Air

13b. Disinfection type: HTH **Amount:** _____

For Internal Use ONLY:

14. WATER ZONES

FROM	TO	DESCRIPTION
385 ft.	ft.	
ft.	ft.	

15. OUTER CASING (for multi-cased wells) OR LINER (if applicable)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
+1 ft.	-60 ft.	6 in.		PVC

16. INNER CASING OR TUBING (geothermal closed-loop)

FROM	TO	DIAMETER	THICKNESS	MATERIAL
ft.	ft.	in.		
ft.	ft.	in.		

17. SCREEN

FROM	TO	DIAMETER	SLOT SIZE	THICKNESS	MATERIAL
ft.	ft.	in.			
ft.	ft.	in.			

18. GROUT

FROM	TO	MATERIAL	EMPLACEMENT METHOD & AMOUNT
0 ft.	20 ft.	Bentonite	Poured
ft.	ft.		
ft.	ft.		

19. SAND/GRAVEL PACK (if applicable)

FROM	TO	MATERIAL	EMPLACEMENT METHOD
ft.	ft.		
ft.	ft.		

20. DRILLING LOG (attach additional sheets if necessary)

FROM	TO	DESCRIPTION (color, hardness, soil/rock type, grain size, etc.)
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	
ft.	ft.	

21. REMARKS

22. Certification:

_____ 4-5-24
Signature of Certified Well Contractor — Date

By signing this form, I hereby certify that the well(s) was (were) constructed in accordance with 15A NCAC 02C .0100 or 15A NCAC 02C .0200 Well Construction Standards and that a copy of this record has been provided to the well owner.

23. Site diagram or additional well details:
You may use the back of this page to provide additional well site details or well construction details. You may also attach additional pages if necessary.

SUBMITTAL INSTUCTIONS

24a. For All Wells: Submit this form within 30 days of completion of well construction to the following:

Division of Water Quality, Information Processing Unit,
1617 Mail Service Center, Raleigh, NC 27699-1617

24b. For Injection Wells: In addition to sending the form to the address in 24a above, also submit a copy of this form within 30 days of completion of well construction to the following:

Division of Water Quality, Underground Injection Control Program,
1636 Mail Service Center, Raleigh, NC 27699-1636

24c. For Water Supply & Injection Wells: In addition to sending the form to the address(es) above, also submit one copy of this form within 30 days of completion of well construction to the county health department of the county where constructed.