



IMPROVEMENT PERMIT

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

For Office Use Only

*CDP File Number 396457 - 1
County ID Number: _____
Evaluated For: NEW

PERMIT VALID UNTIL: 07/10/2028

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

Applicant: JESSE SATTERWHITE
Address: 5933 FARMWELL RD
City: RALEIGH
State/Zip: NC 27610
Phone #: _____

Property Owner: SATTERWHITE CONSTRUCTION INC
Address: 5933 FARMWELL RD
City: RALEIGH
State/Zip: NC. 27610
Phone #: _____

Property Location & Site Information

Address: 25 WATER WILLOW LN Subdivision: BRANNO ROAD Block/Phase: NEW Lot: 24
ZEBULON, NC 27597
Road #: _____
Structure: SINGLE FAMILY
of Bedrooms: 4
of People: 4
*Water Supply: N/A

Directions

25 WATER WILLOW LN

System Specifications

Initial System

*Site Classification: Provisionally Suitable

Design Flow: 480

Soil Application Rate: 0.3000

Minimum Trench Depth: _____ Inches

Maximum Trench Depth: 24 Inches

*System Classification/Description:

TYPE II A. CONV SYSTEM (SINGLE-FAMILY OR 480 GPD OR
LESS)

*Proposed System:
25% REDUCTION

Septic Tank: 1000 Gallons

Pump Required: ☐ Yes ☒ No ☐ May Be Required

Pump Tank: _____ Gallons

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

Repair System

*Site Classification:

Soil Application Rate:

*System Classification/Description:

N/A

*Proposed System:

Minimum Trench Depth: _____ Inches

Maximum Trench: Depth: _____ Inches

Pump Required: ☐ Yes ☐ 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: 396457

County ID Number:

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 (.1938(b)).

Authorized State Agent:

Bendel, Joel

Date of Issue:

07/10/2023

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: 396457 - 1

County ID Number: _____

Evaluated For: NEW

PERMIT VALID UNTIL: 07/10/2028

☐ Open Pump System Sheet

Applicant: JESSE SATTERWHITE

Address: 5933 FARMWELL RD

City: RALEIGH

State/Zip: NC 27610

Phone #: _____

Property Owner: SATTERWHITE CONSTRUCTION INC

Address: 5933 FARMWELL RD

City: RALEIGH

State/Zip: NC, 27610

Phone #: _____

Property Location & Site Information

Address/Road #: 25 WATER WILLOW LN
ZEBULON, NC 27597

Subdivision: BRANNO ROAD Phase: NEW Lot: 24

Directions: LLC

Structure: SINGLE FAMILY

25 WATER WILLOW LN

of Bedrooms: 4

of People: 4

*Water Supply: NEW WELL

System Specifications

*Site Classification: Provisionally Suitable

Minimum Trench Depth: _____ Inches

Design Flow: 480

Maximum Trench Depth: 24 Inches

Soil Application Rate: 0.3000

Minimum Soil Cover: _____ Inches

*System Classification/Description:

TYPE II A. CONV SYSTEM (SINGLE-FAMILY OR 480 GPD OR LESS)

Maximum Soil Cover: _____ Inches

*Proposed System:

25% REDUCTION

*Distribution Type: GRAVITY - SERIAL

Nitrification Field: _____ Sq. ft.

Septic Tank: 1,000 Gallons

No. Drain Lines: _____

Pump Required: ☐ Yes ☒ No ☐ May Be Required

Total Trench Length: 405 ft.

☐ Inches O.C.

Pump Tank: _____ Gallons

Trench Spacing: _____ - 9

☒ Feet O.C.

Grease Trap: _____ Gallons

Trench Width: _____ - 3

☐ Inches

Septic Tank Installer

Aggregate Depth: _____ inches

☒ Feet

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)). 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

Authorized State Agent: Bendel, Joel

Date of Issue: 07/10/2023

☐ 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 396457

PIN Number: _____

Tax Lot #: 24 Tax Block #: 049207

Evaluated For: _____

PERMIT VALID UNTIL: 07/10/2028

Property Owner: SATTERWHITE CONSTRUCTION INC

Address: 5933 FARMWELL RD

City: RALEIGH

State/Zip: NC / 27610

Phone #: _____

Applicant: JESSE SATTERWHITE

Address: 5933 FARMWELL RD

City: RALEIGH

State/Zip: NC / 27610

Phone #: _____

Property Location & Site Information

Address/Road #:

Subdivision: BRANNO ROAD LLC

Phase: _____ Lot: 24

25 WATER WILLOW LN

ZEBULON NC, 27597

*Proposed use of Well:

If Other:

Applicant Email:

Owner Email:

Directions: 25 WATER WILLOW LN

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

Authorized State Agent: _____

Owner/Applicant: _____

*Date of Issue: 07/10/2023

☐ Hand Drawing

☐ Import Drawing

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



CDP#
396457

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

Issued to: **Jesse Satterwhite**

Location: **25 WATER WILLOW LN ZEBULON, NC 27597**

**NEW SEPTIC APPLICATION
NEW WELL APPLICATION**

Application Type: NEW SEPTIC NEW WELL

Application Number: E-23-655

Building Type:

Project Type: Single Family Dwelling

of Bedrooms: 4

Residential Project Type: Single Family Dwelling

Building Foundation: Crawlspace

Water Source: New Well

Date: June 14, 2023

Acreage:

Zoning: R-30

of Occupants: 4

Commercial Project Type:

Square Footage of Facility:

Number of Employees:

Number of Seats:

**Preferred Type of Septic System: (2) Accepted
(polystyrene, chamber)**

Notes:

Parcel ID #: 049207

Subdivision: NULL

Lot 24

Applicant Information

Applicant Name: Jesse Satterwhite

Address: 5933 Farmwell Road Raleigh, NC 27610

Phone: 9194227453

Email: satterwhiteconstructioninc@gmail.com

Property Owner Information

Owner Name: Satterwhite Construction Inc

Address: 5933 Farmwell Road Farmwell Road Raleigh, NC 27610

Phone: 9194227453

Email: satterwhiteconstructioninc@gmail.com

General Contractor Information

Contractor Name: Satterwhite Construction, Inc.

Address: 5933 Farmwell Rd. Raleigh, NC 27610

Phone: (919) 266-0033

Email: satterwhiteconstructioninc@gmail.com

Zoning

Zoning Permit #: Z-23-954

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

Call Environmental Health (919-496-8100) between 8:00 - 9:00 a.m. Monday - Friday in order to schedule an appointment with and environmental Health Specialist for your lot evaluation. Please contact the Environmental Health Department at 919-496-8100 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

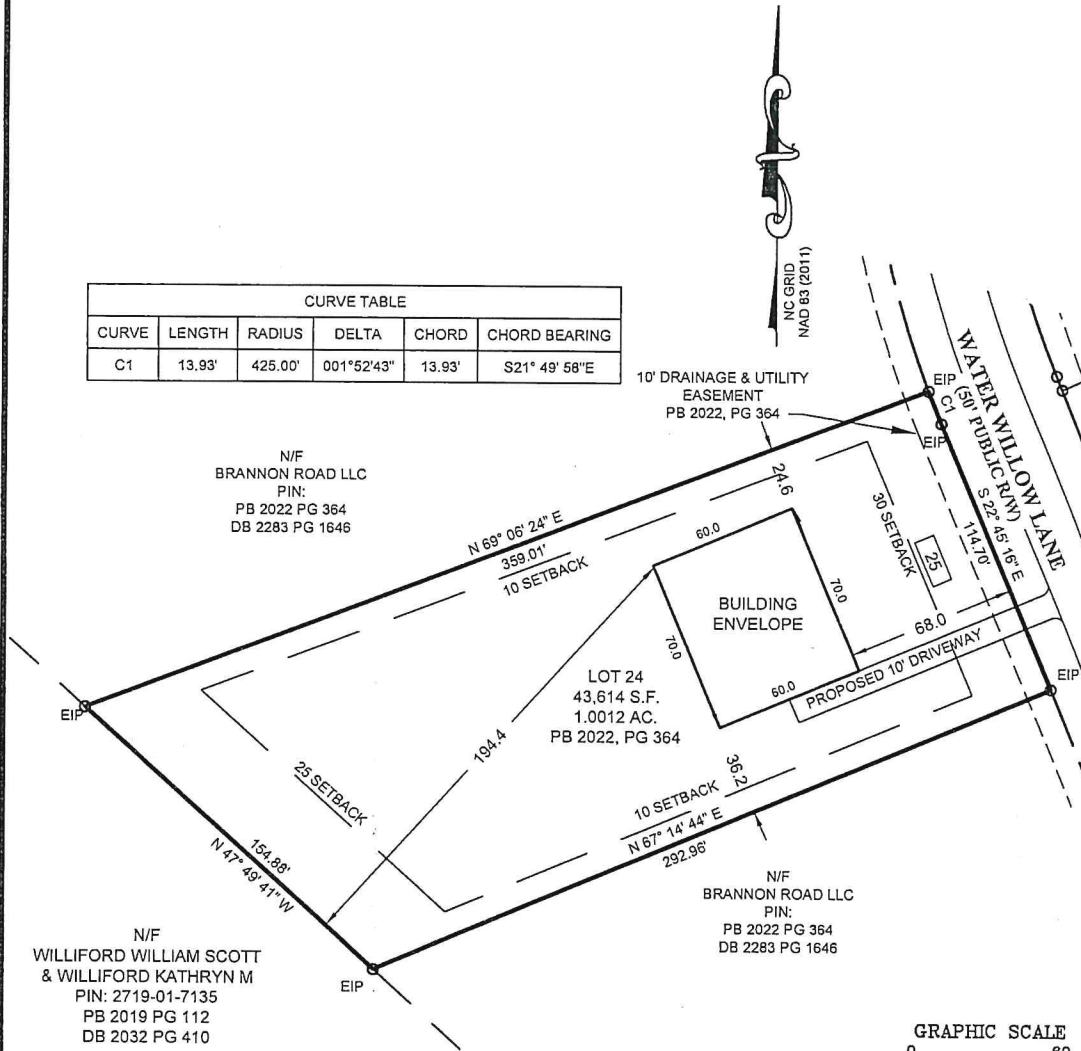
LEGEND

PG	PAGE	-----	BOUNDARY LINE
EX	EXISTING	-----	RIGHT OF WAY LINE
AC	ACREAGE	-----	BOUNDARY NOT SURVEYED
DB	DEED BOOK	-----	EASEMENT LINE
CONC	CONCRETE	-----	BUILDING SETBACK
S.F.	SQUARE FEET	XXX	DENOTES ADDRESS
R/W	RIGHT-OF-WAY		
IPS	IRON PIPE SET		
PB	PLAT BOOK		
CP	CALCULATED POINT		
N/F	NOW OR FORMERLY		
EIP	EXISTING IRON PIPE		

R-30 SETBACK
INFORMATION:
FRONT: 30'
REAR: 25'
SIDE: 10'

OWNER:
SATTERWHITE CONSTRUCTION INC
25 WATER WILLOW LANE
ZEBULON, NC 27597
PIN # 2719-01-9282
RECORDED IN:
DB 2319, PG 108
PLAT BOOK 2022, PAGE 364
FRANKLIN COUNTY REGISTRY

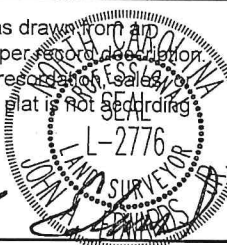
CURVE TABLE					
CURVE	LENGTH	RADIUS	DELTA	CHORD	CHORD BEARING
C1	13.93'	425.00'	001°52'43"	13.93'	S21° 49' 58"E



PERMIT PLAN - LOT 24

THIS PROPERTY ☐ (IS), ☒ (IS NOT)
LOCATED WITHIN A FEMA FLOOD HAZARD
AREA. PROPERTY IS LOCATED IN ZONE "X"
PER FEMA FLOOD INSURANCE RATE MAP
PANEL 3720271900J EFFECTIVE JANUARY
16, 2004.

I certify this plat was drawn from an actual field survey per record description. This plat is not for resale, or conveyances. This plat is not according to G.S. 47-30.



SURVEY FOR

BRANNON ROAD LLC
25 WATER WILLOW LANE

ZEBULON

NORTH CAROLINA

Scale
1" = 60'

Date
6-01-2023

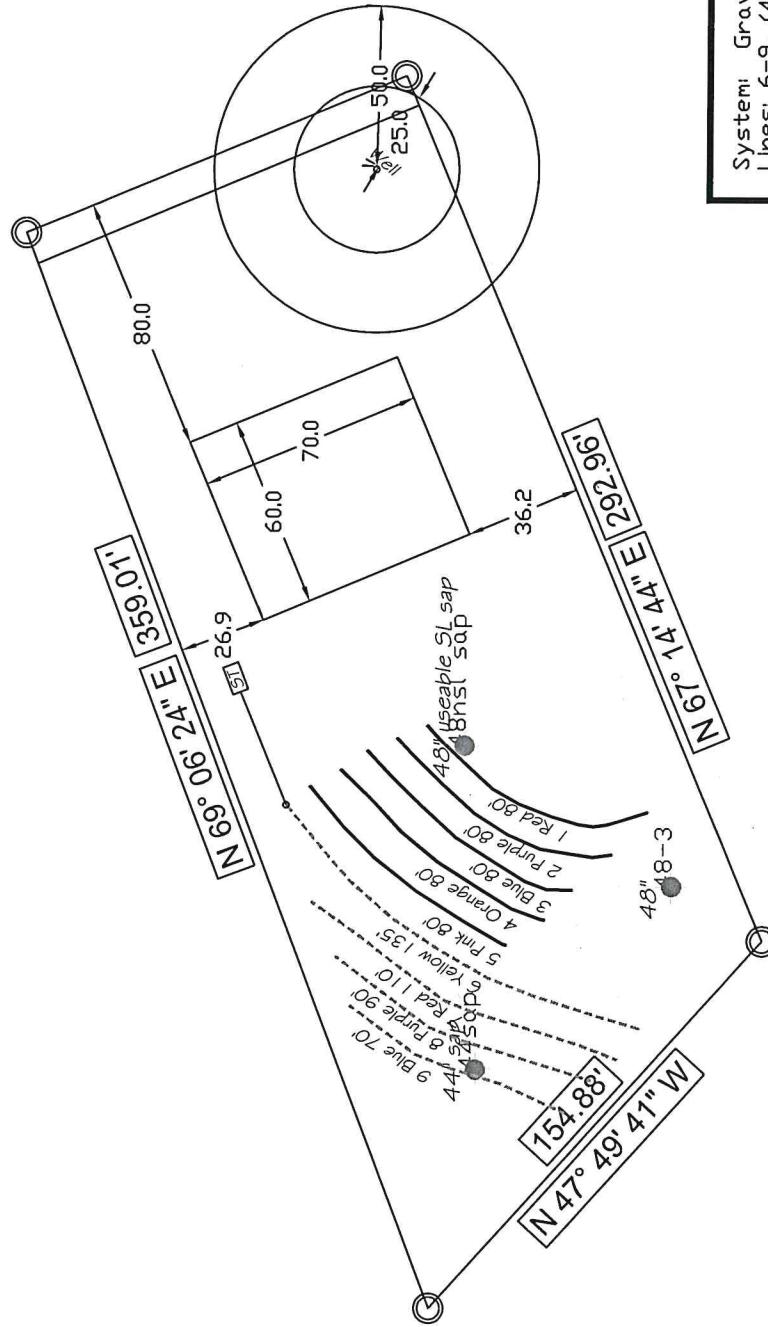
JOHN A. EDWARDS & COMPANY

NC License F-0289

333 Wade Ave., Raleigh, NC 27605

Phone (919) 828-4428

System:	-----
Repair:	————



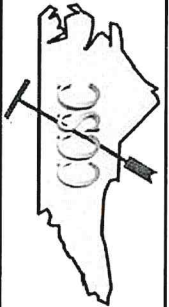
Age Group	No (%)	Yes (%)	Don't know (%)	Refuse to answer (%)
60	~10	~10	~10	~70
0	~10	~10	~10	~70
60	~10	~10	~10	~70
120	~10	~10	~10	~70

System: Gravity to Serial	
Lines: 6-9, (405')	
Accepted Status System	
0.3 Soil LTAR	
24" Trench Bottom	
Repair: Pressure Manifold	
Lines: 1-5, (400')	
Accepted Status System	
24" Trench Bottom	
0.3 Soil LTAR	

Revision:

Lot 24 Brannon Rd.
Franklin County, North Carolina

1900 South Main Street, Suite 110
Wake Forest, North Carolina 27587
Phone (919)569-6704 Fax (919)569-6705



Brannon Rd Lot 24 Repair Tap Chart

Bench Mark								Elevation Head	10.20
Pump tank elev.		9.1	90.90	Pump elev.	85.50	Manifold elev.			95.70
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
1	Red	5.30	94.70	80	1/2in SCH 40	7.11	96.00	240	0.4000
2	Purple	5.60	94.40	80	1/2in SCH 40	7.11	96.00	240	0.4000
3	Blue	5.90	94.10	80	1/2in SCH 40	7.11	96.00	240	0.4000
4	Orange	6.20	93.80	80	1/2in SCH 40	7.11	96.00	240	0.4000
5	Pink	6.60	93.40	80	1/2in SCH 40	7.11	96.00	240	0.4000

	total	feet =	400	gal/min =	35.55	<u>LTAR =</u>	0.3000
						<u>LTAR + %5</u>	0.3150
% of Dose Vol.	75		<u>Des. Flow</u>	480		(ltar W/ INOV)	0.4000
Dose Volume	195.00		Pump Run=	13.50		(ltar W/ INOV + 5%)	0.4200
Dose Pump Time	5.49		Tank Gal/IN	19.65			
Drawdown in Inches	9.92						

**CCSC SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM**

Property ID:

Lot #:

File #:

ApplID:

Owner: Satterwhite Construction

Address:

Proposed Facility: 4-Bedroom

Design Flow (.1949) 480 gal/day

Location of Site: Brannon Road lot 24

Applicant:

Date Evaluated: 3/6/2023

Property Size:

Property Recorded:

Water Supply: ☒ Public ☐ Individual ☐ Well ☐ Spring ☐ Other

Evaluation Method: ☒ Auger Boring ☐ Pit ☐ Cut

Type of Wastewater: ☒ Sewage ☐ Industrial Process ☐ Mixed

P R O F I L E #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941		b PROFILE FACTORS				Profile Class & LTAR
			.1941 Structure/ Texture	.1941 Consistence Mineralogy	.1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	
1	R, 3%	Ap, 0-9	Gr, SL	VFR, NS, NP	Pits needed	PS PS	n/a		PS .3 PS .325
		Bt, 9-14	SBK, SCL	FR, SS, SP, SEXP					
		Bt2, 14-29	SBK, Clay	FI, SS, SP, SEXP					
		BC, 29-46	SBK, SCL	FI, SS, SP, SEXP					
		C, 46-48	Gr, SL	VFR, NS, NP					

Description	Initial System	Repair System
Available Space (.1945)	Yes	Yes
System Type(s)	Accepted	Accepted
Site LTAR	.3	.3

Other Factors (.1946):

Soil Evaluation By: Jason Hall

Others Present:

Site Classification (.1948): PS

Site Evaluation By:

Others Present:

COMMENTS:

Sheet:

FILE #:

<u>Landscape Position</u>	<u>Group</u>	<u>Texture</u>	<u>.1955 LTAR</u>	<u>Structure</u>
R-Ridge	I	S-Sand	1.2 - 0.8	SG-Single Grain
SS-Shoulder Slope		LS-Loamy Sand		M-Massive
LS-Linear Slope	II	SL-Sandy Loam L-Loam	0.8 - 0.6	CR-Crumb
FS-Foot Slope				GR-Granular
NS-Nose Slope				SBK-Subangular Blocky
HS-Head Slope	III	SI-Silt SICL-Silty Clay Loam CL-Clay Loam SCL-Sandy Clay Loam	0.6 - 0.3	ABK-Angular Blocky
CC-Concave Slope				PL-Platy
CV-Convex Slope				PR-Prismatic
T-Terrace				
FP-Flood Plain	IV	SC-Sandy Clay SIC-Silty Clay C-Clay	0.4 - 0.1	

Consistence

Moist

VFR-Very Friable
FR-Friable
FI-Firm
VFI-Very Firm
EFI-Extremely Firm

Consistence

Wet

NS-Non-Sticky
SS-Slightly Sticky
S-Sticky
VS-Very Sticky
NP-Non-Plastic
SP-Slightly Plastic
P-Plastic
VP-Very Plastic

Mineralogy

SEXP-Slightly Expansive
EXP-Expansive

Sketch of Soil Evaluation Locations



File # 396457 PIN# _____

Property Address: 25 Water Willow Ln

Applicant or Owner Name: Jesse Satterwhite

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**: 7-10-23 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'x405' Type System Acc Max Trench Depth 24"

Septic Contractor _____ Septic/Pump tank dates _____ Pump fee? ☒ YES ☐ NO pd _____

Well Contractor _____ Well Grout date: _____

* refer to attached CCSC Septic/Well documentation *