



PERMIT TO CONSTRUCT
(Engineered) Onsite Wastewater System

Permit ID: OSWW037703 v1.0

County: Beaufort

Name: Chris Barber
Type Facility: Residential
Subdivision:
Lot:
Gallons Per Day (GPD): 480

Site: 50 Stillwell Rd
Bluffton, SC 29910

Program Code: ALTERNATIVE
System Code: 611 ENGINEERED SYS <150
TM #: R600 036 000 0426 0000
Water Supply: Private Well

PERMIT TO CONSTRUCT SYSTEM SPECIFICATIONS

See engineered system design and supporting documentation.

SPECIAL INSTRUCTIONS/CONDITIONS

See applicable special instructions/conditions on the second page of this document.

PERMIT TO CONSTRUCT

The Permit To Construct is issued upon the system design, certification, and other supporting documentation as required by this standard and supplied by:

KC Soil & Septic

(Engineering Company)

Kyle Sirignano

(Consulting Engineer)

SC 35712

(State & License Number)

John Thorp

(Soil Classifier)

SC 49

(State and License Number)

05/23/2025

(Plan Date)

1159

(Project Number)

Any Permit To Construct and Operate that is issued pursuant to this Standard shall be based upon the consulting engineer's design, certification, and other supporting documentation.

Reviewed By:

Tee Thompson

Date: June 05, 2025

SCDES 1781 (01/2014)
This Permit will Expire and Become Null and Void Five (5) Years
from the Issuance Date

This Permit is Appealable Under the Administrative Procedures Act.
There may be an Additional Fee for Changes in this Permit that
Require Site Reevaluation

SPECIAL INSTRUCTIONS/CONDITIONS

THIS PERMIT IS SITE SPECIFIC. ANY CHANGES TO THE SYSTEM MUST BE APPROVED BY SCDES. ALTERNATIVE TRENCH PRODUCTS APPROVED UNDER STATE RULES AND REGULATIONS MAY BE SUBSTITUTED. ANY UNAPPROVED CHANGES WILL VOID THIS PERMIT.

This Permit To Construct and Operate is issued pursuant to the SCDES Specialized Onsite Wastewater Systems for Peak Flows less than 1500 GPD.

Issuance of this Specialized Onsite Wastewater System Permit To Construct does not relinquish the property owner of responsibility in attaining any and all necessary approvals or permits required to develop this property



ENGINEER CERTIFICATION
Onsite Wastewater System

Permit ID: OSWW037703 v1.0
County: Beaufort

Name: Chris Barber
Type Facility: Residential
Subdivision:
Lot:
Gallons Per Day (GPD): 480

Address: 100 STILLWELL RD
BLUFFTON, SC 29910-6620
Site: Chris Barber, 50 Stillwell
Road, Beaufort County

Program Code:
System Code:
TM #: R600 036 000 0426 0000
Water Supply: Private Well

ACTUAL INSTALLATION

The Final Approval will only be issued upon the system certified "as built" plan of the actual installation, and other supporting documentation as required by this standard and supplied by the Consulting Engineer.

FINAL APPROVAL

Kyle Sirignano

(Consulting Engineer)

SC 35712

(State & License Number)

John Thorp

(Plan Date)

(Soil Classifier)

(As Built Plan)

The consulting engineer shall be responsible for supervising construction of the system and providing SCDES with a certified "as built" plan of the actual installation. Any Final Approval that is released pursuant to this Standard shall be based upon this engineering certification.

Comments:

Licensed Installer

Printed Name: _____ License #: _____

I hereby certify the system was installed in accordance with the referenced permit and R.61-56.

Licensed Installer Signature: _____ Date: _____

THIS IS NOT AN APPROVAL TO OPERATE

THIS CERTIFICATE OF FINAL APPROVAL IN NO WAY GUARANTEES THE LIFE OF THE SYSTEM OR THAT IT WILL FUNCTION PROPERLY UNDER ANY OR ALL CONDITIONS. ANY PERMIT TO CONSTRUCT AND OPERATE THAT IS ISSUED PURSUANT TO THIS STANDARD SHALL BE BASED UPON THE CONSULTING ENGINEER'S DESIGN CERTIFICATION AND OTHER SUPPORTING DOCUMENTATION.



Engineered On-site Wastewater System Overview

Property Details

Applicant: Chris Barber

Address: 50 Stillwell Road

Bluffton, SC 29910

County: Beaufort

TMS: R600 036 000 0426 0000

Engineer

Kyle Sirignano, PE (SC PE #35712)

KC Soil & Septic, LLC (SC COA #6738)

(508) 954-8522

kyle@kcsoil.com

System

The system will be a T&J horizontal panel bed design alternative engineered sewer system. This system was designed to handle a proposed 4-bedroom home, or 480 gpd, and is based on an LTAR of 0.75 gpd/ft². The installation will consist of a 12'x46' bed consisting of (40) T&J horizontal panels fed by a 1,000-gallon septic tank and a 500-gallon pump chamber system. There will be 21 inches of separation from the bottom of the panels to the Zone of Saturation, which is located 9 inches below the existing ground. The limits of the fill area are to be excavated a minimum of 12 inches to remove topsoil and replaced with approved Class I soil. All fill material will be Class I soil with the exception of the backfill sand and the fill cap. No portion of the removed soils may be used on the top of the fill cap.

Notes:

1. The Engineer designed a system that will function satisfactorily and in accordance with all requirements of SCDES Regulation 61-56.
2. The Engineer is responsible for supervising construction, inspection, and preparation of as-built plans of actual installation.
3. The system is not being built in a wetland.
4. The system is to be installed by a SCDES licensed tier 3 septic system installer.

Maintenance & Management Plan

The Owner will be responsible for following the septic system management plan listed below and the manufacturer's maintenance schedule for effective operation:

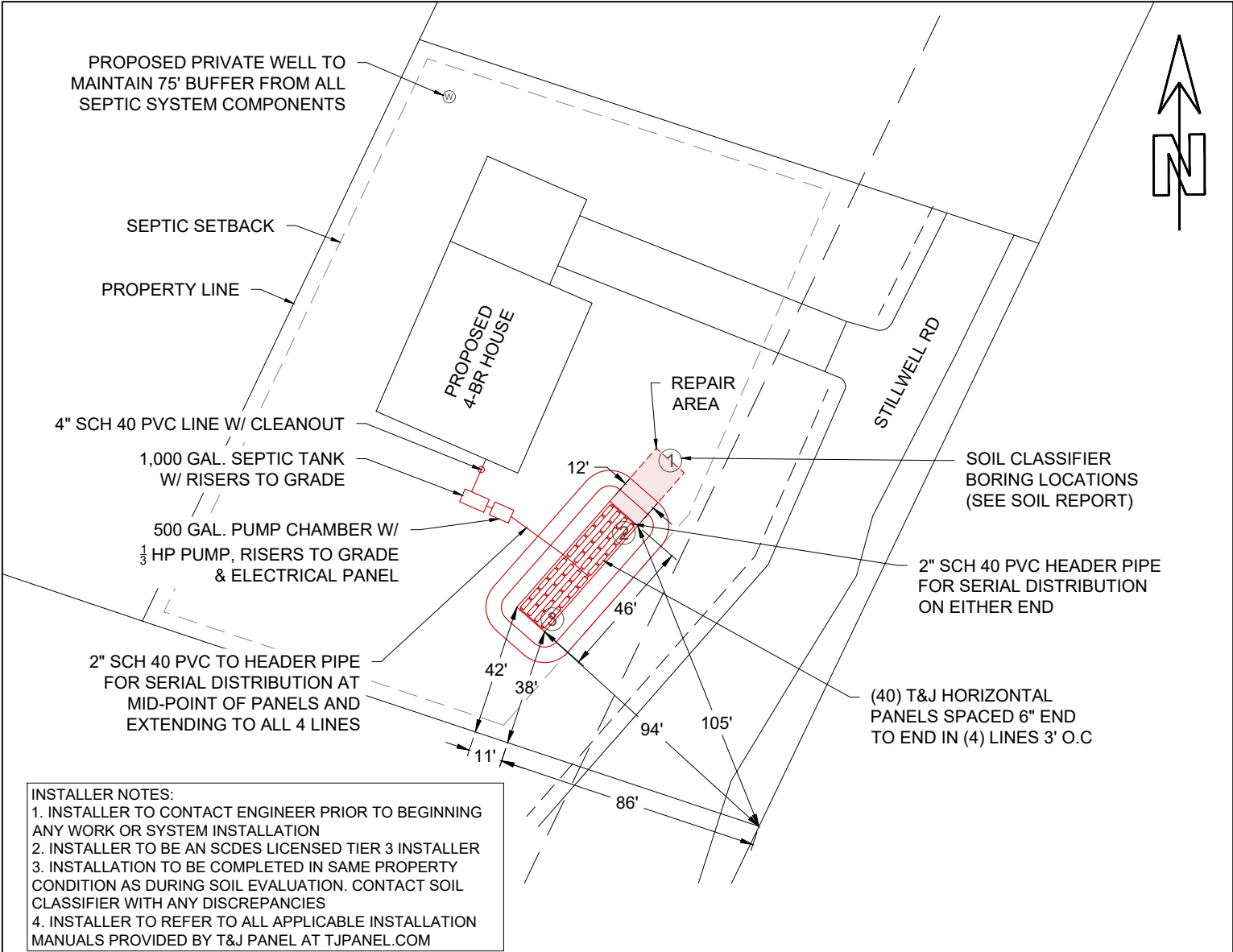
1. The Owner will be responsible to perform regular preventative maintenance to the system consisting of inspecting the septic tank every two to three years and pumped out every three to five years to ensure no migration of solids or sludge into the pump tank and/or drain field. If you have high water usage or a garbage disposal, the inspections should be more frequent. If the drain field becomes clogged due to lack of maintenance, it will more than likely have to be repaired or replaced at the Owner's expense.
2. The Owner shall maintain a vegetative cover over the drain field and side slopes to protect erosion of the field as well as help with the effluent from the system.
3. The Owner shall protect the drain field from the operation of heavy equipment and/or vehicles on or within the area of the drain field.
4. The Owner shall be responsible for maintaining and keeping in operation of the various system components per the manufacturer's recommendations.



05/23/2025

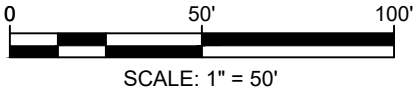
Kyle Sirignano, PE (SC PE #35712)

Date



INSTALLER NOTES:

1. INSTALLER TO CONTACT ENGINEER PRIOR TO BEGINNING ANY WORK OR SYSTEM INSTALLATION
2. INSTALLER TO BE AN SCDES LICENSED TIER 3 INSTALLER
3. INSTALLATION TO BE COMPLETED IN SAME PROPERTY CONDITION AS DURING SOIL EVALUATION. CONTACT SOIL CLASSIFIER WITH ANY DISCREPANCIES
4. INSTALLER TO REFER TO ALL APPLICABLE INSTALLATION MANUALS PROVIDED BY T&J PANEL AT TJPANEL.COM



SYSTEM SIZING CALCULATIONS

SOIL MAXIMUM LOADING RATE: 0.75 GPD/FT
 DESIGN FLOW: 480 GPD
 FIELD AREA REQUIRED: 480 SF

FIELD AREA PROVIDED: 552 SF
 BED SIZE PROVIDED: 12 LF x 46 LF
 NUMBER OF PANELS PROVIDED: 40
 LATERALS @ 3' O.C.
 IN-LINE PANEL SPACING: 6"
 MID-POINT PANEL SPACING: 18"

GENERAL NOTES:

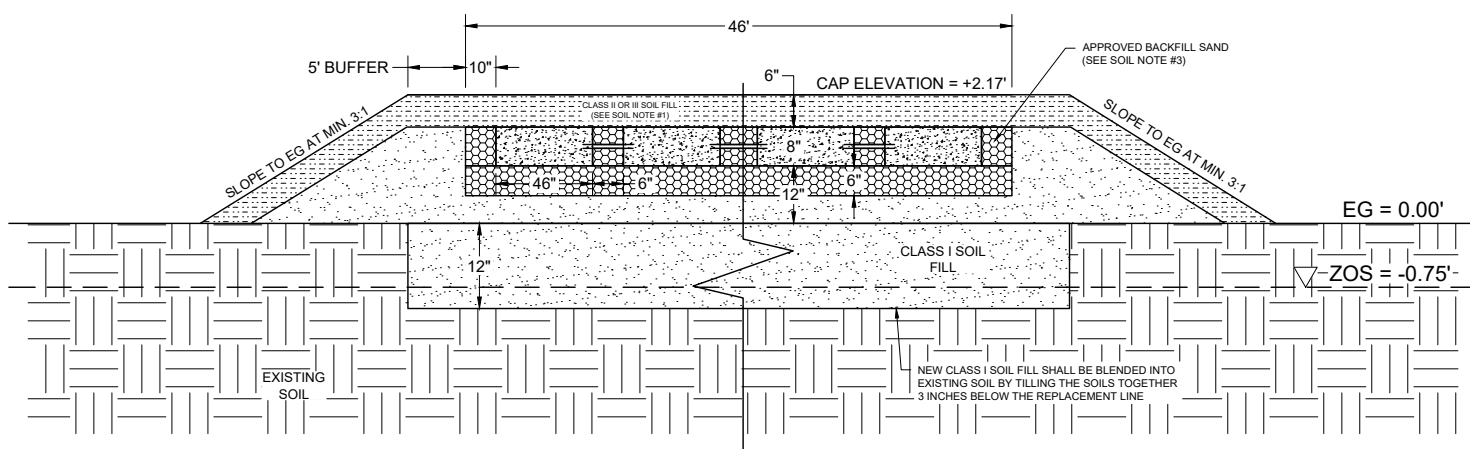
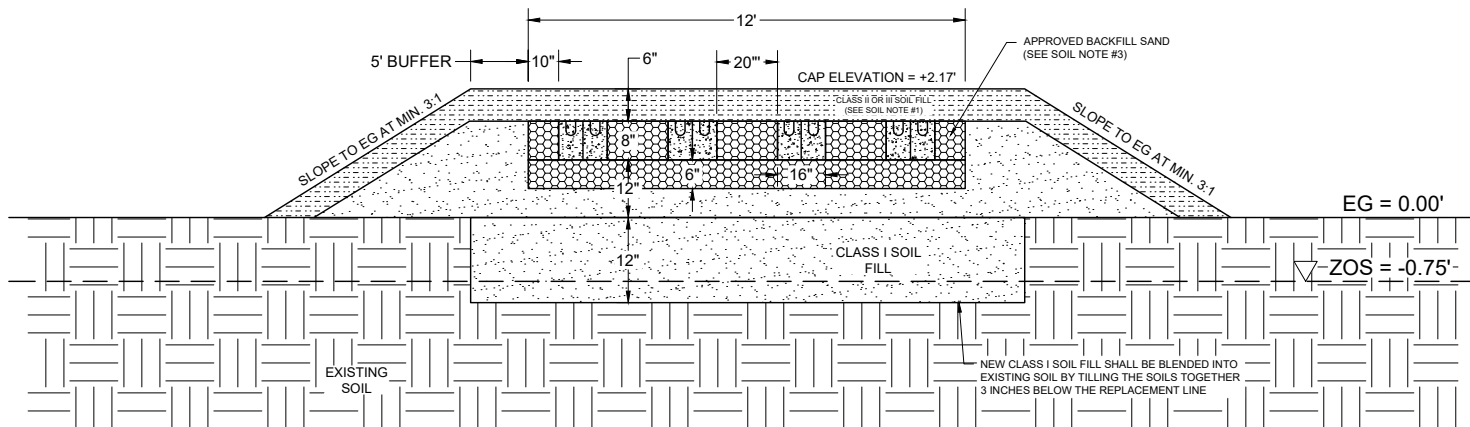
1. PROPOSED SYSTEM TO BE CONSTRUCTED AND OPERATED IN ACCORDANCE WITH SCDES REGULATION 61-56.
2. OWNER WILL BE RESPONSIBLE TO PERFORM REGULAR MAINTENANCE ON SEPTIC TANKS AND MAINTAIN PUMP, CONTROLS, AND ALARM PER MANUFACTURER'S RECOMMENDATIONS TO ENSURE DRAIN FIELD DOES NOT BECOME CLOGGED. OWNER WILL BE RESPONSIBLE FOR MAINTAINING A VEGETATIVE COVER OVER THE DRAIN FIELD AND PROTECTING THE DRAIN FIELD FROM HEAVY EQUIPMENT OR VEHICLES.



SITE PLAN

KC PROJECT #: 1159
 PREPARED BY: KAS
 DATE: 05/23/2025

PREPARED FOR: CHRIS BARBER
 SITE ADDRESS: 50 STILLWELL RD
 BLUFFTON, SC 29910
 COUNTY: BEAUFORT
 SITE TMS #: R600 036 000 0426 0000

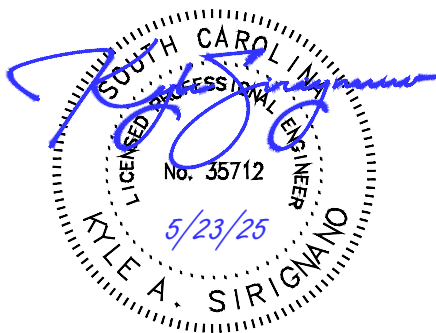


SOIL NOTES:

1. FIRST 12" OF SOIL WITHIN FILL AREA TO BE REMOVED AND REPLACED WITH CLASS 1 MATERIAL. NO PORTION OF REMOVED MATERIAL MAY BE USED FOR THE SYSTEM CAP.
2. CLASS 1 FILL MATERIAL TO BE APPROVED BY SOIL CLASSIFIER.
3. BACKFILL SAND SHALL BE A CLEAN, SCREENED, MEDIUM-GRADE SAND THAT IS NATURALLY-OCCURRING. PLEASE CONTACT T&J PANEL AT 704-924-8600 FOR APPROVAL.

ELEVATION NOTES:

1. ELEVATIONS NOT RECORDED. CONTRACTOR TO FIELD VERIFY EXISTING ELEVATIONS PRIOR TO INSTALLATION. SYSTEM ELEVATION TO BE BASED ON HIGHEST MEASURED ELEVATION WITHIN THE FILL AREA.
2. REMOVAL AMOUNT TO BE BASED ON LOWEST VERIFIED ELEVATION WITHIN BUFFER AREA.



CROSS SECTION

KC PROJECT #: 1159
 PREPARED BY: KAS
 DATE: 05/23/2025
 SCALE: N.T.S.

PREPARED FOR: CHRIS BARBER
 SITE ADDRESS: 50 STILLWELL RD
 BLUFFTON, SC 29910
 COUNTY: BEAUFORT
 SITE TMS #: R600 036 000 0426 0000



APPLICATION CHECKLIST FOR PERMIT TO CONSTRUCT A SPECIALIZED ONSITE WASTEWATER SYSTEM

DISCLAIMER

Any permit to construct a specialized onsite wastewater system shall be based upon submittal by a Professional Engineer (PE) registered in SC of the documentation set forth in this checklist. This includes specifically the certification by the PE that the proposed onsite wastewater system has been designed in accordance with regulatory requirements and will function satisfactorily.

Per S.C. Code Reg. 61-56, Appendix Q, written documentation must be provided by a Professional Engineer registered in South Carolina (hereafter, PE) indicating that the proposed system will function satisfactorily and in accordance with all regulatory requirements. Such substantiating documentation must include the following:

- Soils Report from a licensed person meeting the criteria of Section 102.1(2)(b) or (c) including the following:
 - detailed soil profile descriptions and Soil Series classification(s) utilizing methods and terminology specified in the Field Book for Describing and Sampling Soils;
 - depth to the zone of saturation utilizing methods and terminology outlined in Redoximorphic Features for Identifying Aquic Conditions, and other appropriate principles specified in Soil Taxonomy;
 - the depth to restrictive horizons; and
 - a description of topography and other pertinent land features.

- Where there are drain field and replacement areas with a less than fifteen (15) inch zone of saturation, certification that no part of a specialized onsite wastewater system will be installed within one hundred twenty-five (125) feet of the critical area line or tidal waters as determined by the Department or within seventy-five (75) feet of the ordinary high water elevation within the banks of non-tidal, environmentally sensitive waters.

- A design plan that has been sealed, signed and dated by a PE that includes the following:
 - a description of topography and other pertinent land features;
 - an area equivalent to at least fifty (50) percent in size of the original system held in reserve for system repair that is configured to meet the regulatory minimum soil and site conditions; and
 - certification by the PE that the proposed onsite wastewater system has been designed in accordance with the requirements of this regulation and will function satisfactorily.

- The manufacturer's recommendations for operation and maintenance of the system, and the consulting PE's management plan to meet regulatory requirements. For systems that have mechanical components and/or require a higher degree of maintenance to ensure the proper treatment and disposal of Domestic Wastewater, an operation and maintenance (O&M) plan must be developed by the designing PE to be given to the party who is ultimately responsible for the operation of the system. O&M plans must be recorded along with the property deed and must run with the land.

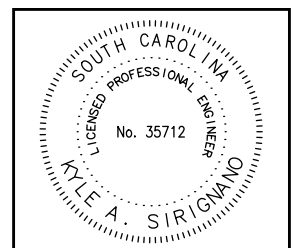
I certify that I have reviewed the above items and by checking each box agree that the engineered design submitted satisfies the necessary requirements for a Permit to Construct to be issued by S.C. DHEC.

KC Soil & Septic, LLC
Engineering Company

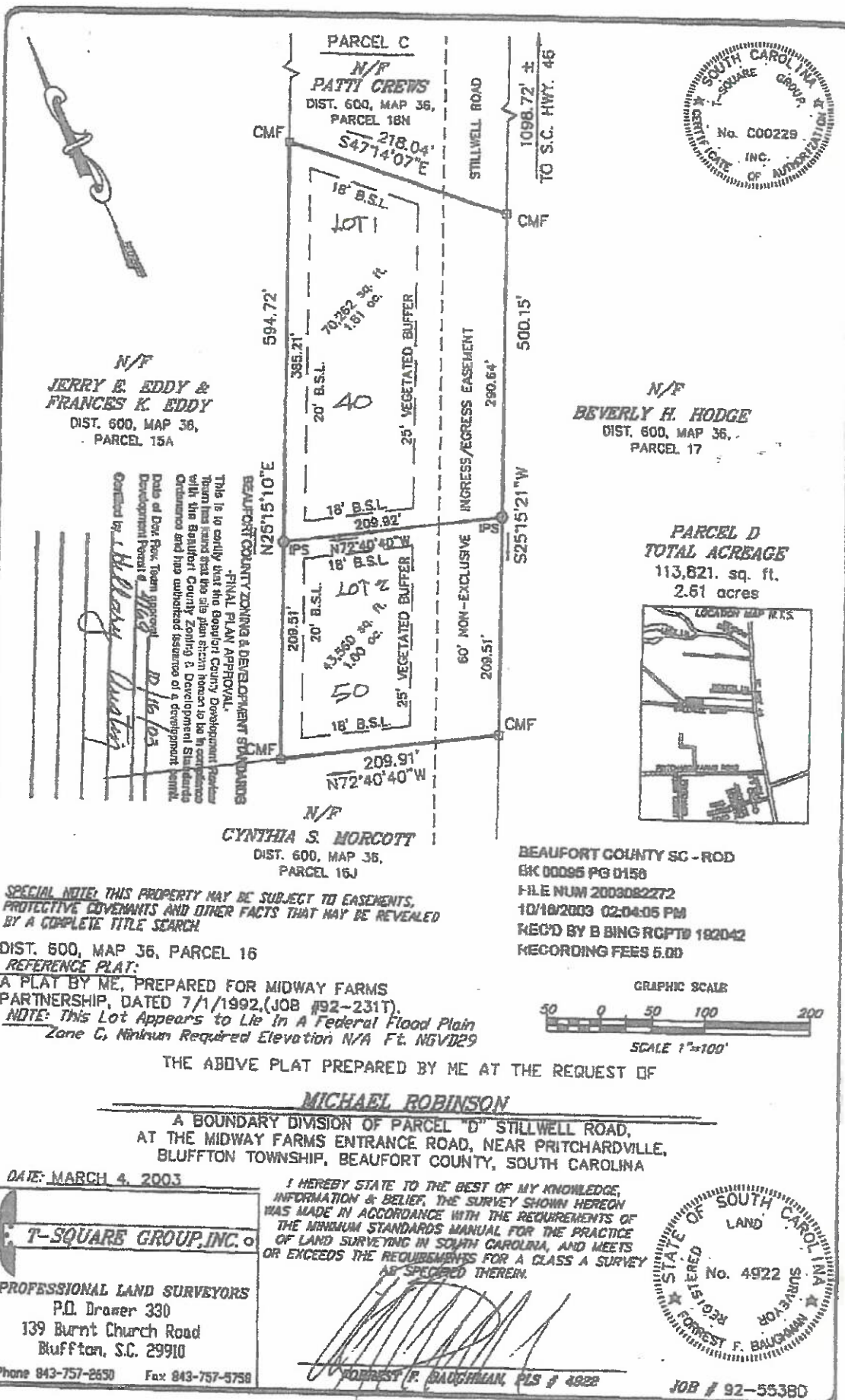
SC #35712
State and License Number

05/23/2025
Date

Kyle Sirignano, PE
Consulting Engineer



Consulting Engineer Stamp or Seal



John H. Thorp
Licensed S.C. Soil Classifier
1985 Riviera Drive Suite 103 #207,
Mount Pleasant, SC 29464

October 30, 2017

Herbert L. Spaulding
P.O. Box 2384
Bluffton SC 29910

Dear Mr. Spaulding,

Thank you for the opportunity to provide my professional soils evaluation on your unimproved, 1.0 acre residential lot at 50 Stillwell Road near Bluffton in Beaufort County S.C. (PIN#: R600 036 000 0426 000). The purpose of this report is to characterize the relevant soil properties within the proposed subsurface wastewater infiltration area for a Specialized Onsite Wastewater System (SCDHEC Program Code 362/610). The area I characterized has dimensions of 125 ft. x 25 ft. The corners are marked onsite with red & white PVC pipes labeled D.F.1, D.F.2, D.F.3, and D.F.4. The adjacent Repair Area has dimensions of 36 ft. x 30 ft. and is marked with wooden stakes labeled R.A.1, R.A.2, R.A.3 and R.A.4. My soil borings are marked with orange flagpins labeled S.B.1, S.B.2, S.B.3, S.B.4, and S.B.5.

Please find attached:

1. A site location map (Figure 1) and a scaled map of the proposed subsurface wastewater infiltration area and my Soil Borings' locations within it (Figures 2 & 3).
2. Detailed soil descriptions and relevant site information as required by SCDHEC.

The proposed subsurface wastewater infiltration area is nearly level. The Repair Area shown in Figure 2 is preliminary and may be adjusted by the system design Engineer. I did not encounter any restrictive soil horizons to a depth of 30 inches.

My findings are summarized in Table 1 below:

SOIL BORING #	Depth to Z.O.S (in.)	LTAR GPD/sq ft	Recommended Cut Depth of Topsoil/Fill (in.)	Depth to Restrictive Layer (in.)
1	11	0.75	0	> 30
2	10	0.80	0	> 30
3	9	0.75	0	> 30
4	14	0.75	0	> 30
5	13	0.80	0	> 30

ZOS = Zone of Saturation LTAR = Long Term Acceptance Rate

John H. Thorp
Licensed S.C. Soil Classifier
1985 Riviera Drive Suite 103 #207,
Mount Pleasant, SC 29464

It is my professional opinion that the existing surface fill is suitable for the dispersal of treated wastewater (after the removal of the non-soil pine straw, leaves, etc.). To achieve additional vertical separation from the Z.O.S. (Zone of Saturation), I recommend using uniform, clean sand with Class I texture (< 5% silt + clay and < 1% humus – per Exhibit 1). Lightly disking or tilling in the first 1 to 2 inches of any new Class I fill is recommended to improve uniformity of infiltration.

To assist this drainfield's design and construction, I used an existing benchmark with a known elevation of 36.42 ft. atop a nail in the base of a 16 inch diameter pine tree as shown in Figure 2. Note that my topographic measurements were taken with the height rod placed immediately adjacent to each soil boring's opening.

Table 2

SOIL BORING #	GRADE	Z.O.S.
1	34.61	33.69
2	34.40	33.57
3	34.06	33.31
4	34.63	33.46
5	34.58	33.49

Excluding the surface fill, the area I characterized is similar to the NRCS soil series Mulat, which is classified as loamy, siliceous, subactive, thermic Arenic Endoaquults.

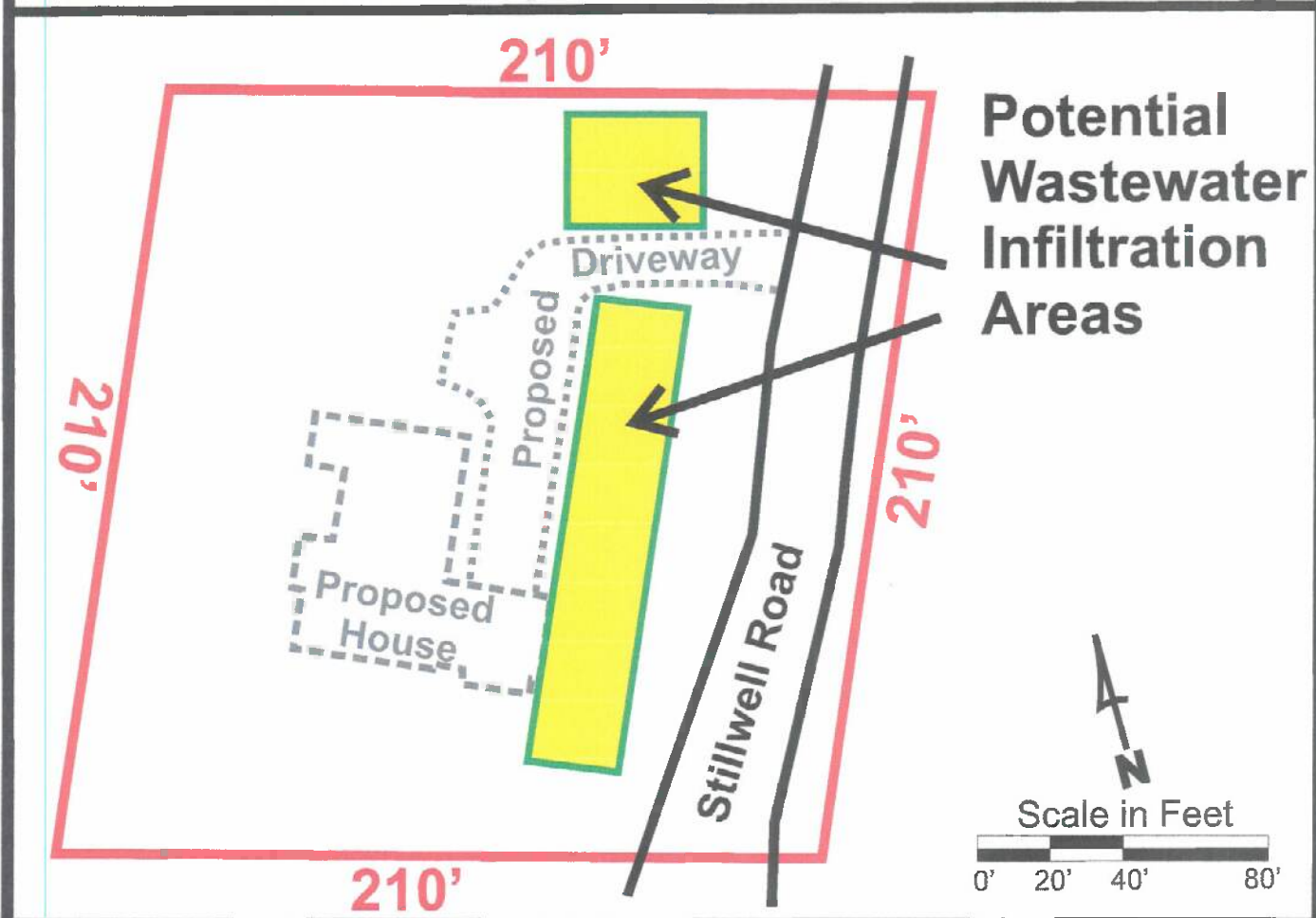
I look forward to explaining my findings to a licensed Engineer of your choice. I am available to inspect new Fill material and pre-construction soil moisture conditions at your request.

Please contact me if you have questions or need additional soil information.

Respectfully,



John H. Thorp
S.C. Soil Classifier #49
(843) 860-1960



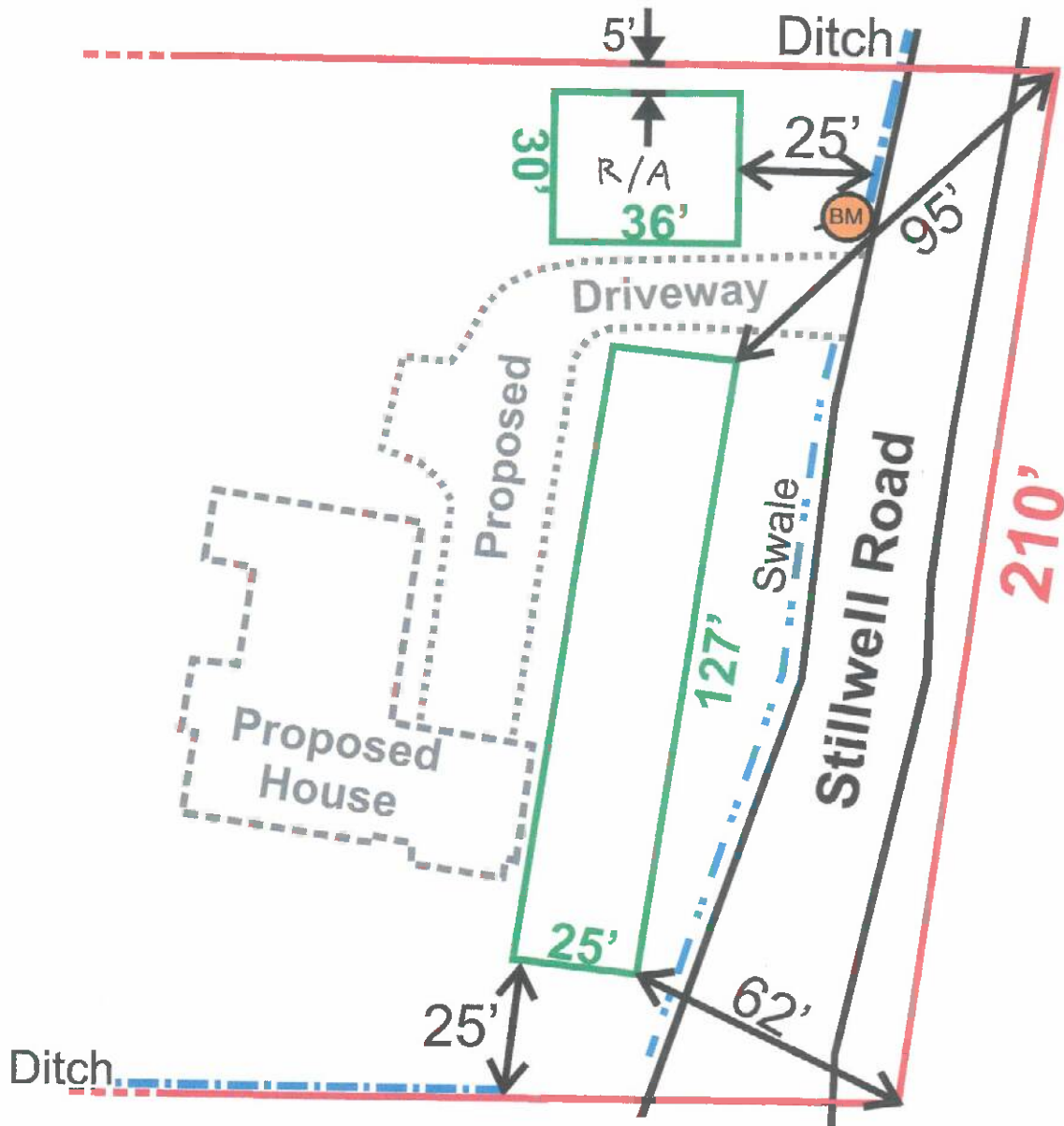
50 Stillwell Road
 Beaufort County
 PIN:R600 036 000 0426 000
 October 30, 2017

John H. Thorp
 SC Soil Classifier
 License # 49

1985 Riviera Dr.
 Ste. 103 # 207
 Mt. Pleasant SC 29464
 (843) 284-8908
 thorp.jh@gmail.com

STATE OF SOUTH CAROLINA
 REG. NO. 49
 JOHN H. THORP
 PROFESSIONAL SOIL CLASSIFIER

Figure 1
 Site Location



Potential Infiltrative Area



Septic Benchmark

R/A

Repair Area



Scale in Feet



Distances and dimensions are measured (not surveyed)

50 Stillwell Road
Beaufort County

PIN:R600 036 000 0426 000

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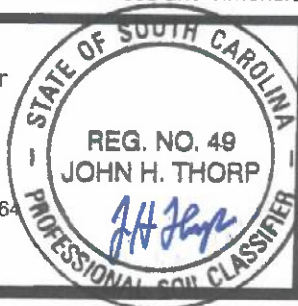
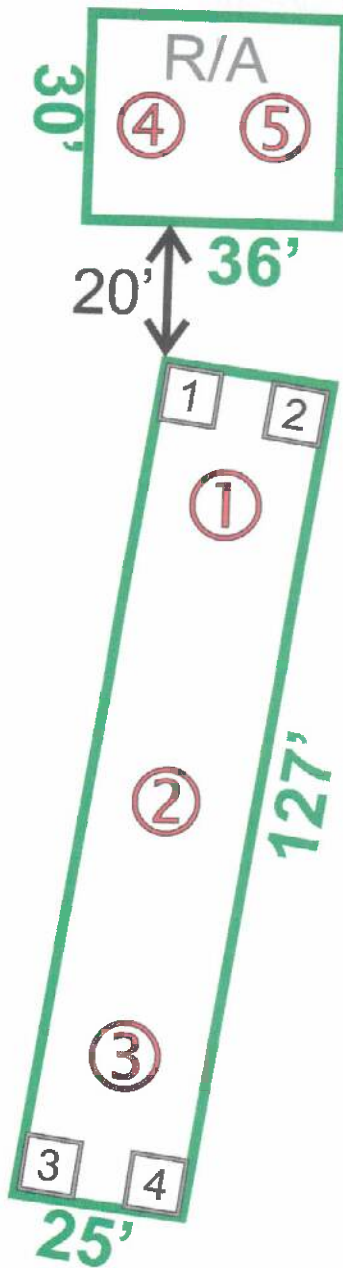


Figure 2
Potential Infiltrative
Area



 Potential Infiltrative Area

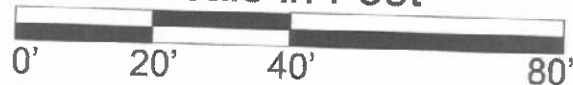
 PVC Pipe

 Soil Borings

R/A Repair Area



Scale in Feet



Distances and dimensions are measured (not surveyed)

50 Stillwell Road
 Beaufort County
 PIN:R600 036 000 0426 000
 October 30, 2017

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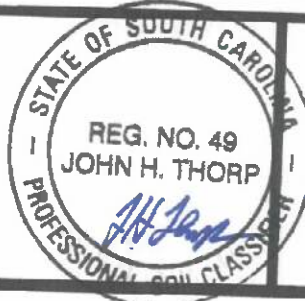


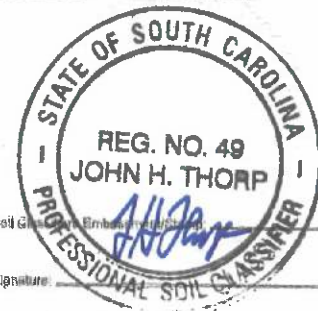
Figure 3
 Potential Infiltrative Area - Details



Site and Soil Evaluation for Onsite Wastewater Treatment and Disposal

Applicant Name and Property Address: _____
 County: BEAUFORT
 Property Address: 50 STILLWELL ROAD
 Location/Subdivision: BLUFFTON SC 29910
 Applicant Name: HERBERT L. SPAULDING - Builder H.S. Construction
 Address: P.O. Box 2384
Bluffton SC 29910
 Phone #: (843) 384-7553 Email: spauldingscb@aol.com
 Lot #: LOT 2 PARCEL D PIN#: R600 036 000 0426 0000
 Test Hole #: 1
 Latitude/Longitude: 32 14.107' 80 58.325' (+/- 22 ft) NAD83
 Method: Pit Auger Probe

Land Use/Earth Cover: Mature forest
 Landform: Terrace
 Hillslope/Profile Position: NEARLY LEVEL
 Percent Slope: 0 - 1
 Slope Shape: N/A
 Slope Aspect: N/A
 Date: OCTOBER 20, 2017
 Soil Classifier: #49 JOHN H. THORP
 Soil Classifier Address: 1985 Riviera Drive Suite 103 # 207
Mount Pleasant SC 29464



Soil Classifier: _____
 Signature: _____
 Phone#: D (843) 284-8000 M (843) 960-1960

Soil Profile		Estimating Soil Saturation				Estimating Soil Permeability					Comments and Other Pertinent Soil Features
Horizon Suffix	Depth (inches)	Matrix Color	Munsell Color (hue, value, chroma)		Texture				Consistence (Moist)		
			Redoximorphic Features/Notes		LTAR Class	USDA Class	Stickl Class	Plastic. Class		Structure Grade	
			Concentrations	Depletions							
FILL	11	N/A			II	sl	-	-	2		uniform texture debris-free, SUITABLE
Ab	22	7.5YR 3/2			II	sl	-	-	2		medium humus content
Abg	30*	7.5YR 5/2			II	sl	-	-	1		* 1st Red. - Ox. feature at 22 in.

Most Limiting Soil Conditions	Depth (In.) and Description	Most Limiting Soil Conditions	Depth (In.) and Description	Soil Series and Soil Taxonomy	Comments/Recommendations
Zone of Saturation *	11 ESTIMATED	Overburden/Fill Material	11 SUITABLE	(Excluding Surface Fill) MULAT - Loamy, siliceous, subactive, thermic Arenic Endoaquults	* Z.O.S. adjusted upwards to top of natural soil surface at 11 in. to accommodate a potential "capillary fringe". (Same for Soil Borings # 2 & # 5)
Clean Saprolite	NONE				
Restrictive Horizon	NONE	Loading Rate gal/da/ft2	0.75	Vegetation Observed LOBLOLLY PINE, WATER OAK, MAGNOLIA, HORSE SUGAR, DOG FENNEL	
Weather Conditions	85F Recent Hvy Rainfall	Free Water	NONE		

Note: The evaluation shall include a completed, scaled site plan including all requirements in the Site and Soil Evaluation Instructions for SC Reg. 51-56

JH Page

Test Hole # 2 Location Latitude/Longitude 32° 14.103' 80° 58.320' (± 18 Ft) BEAUFORT CO. PIN: R600 036 000 0426 0000

Soil Profile		Estimating Soil Saturation			Estimating Soil Permeability						Comments and Other Pertinent Soil Features	
Horizon Suffix	Depth (inches)	Matrix Color	Munsell Color (hue, value, chroma)		Texture			Structure		Consistence (Moist)		
			Redoximorphic Features/Mottles		LTAR Class	USDA Class	Stick Class	Plastic Class	Grade			Type (shape)
		Concentrations		Depletions								
Fill	10	N/A			II	sl	-	-	2	gr	vfr	uniform, debris-free SUITABLE
Ab	20	10YR 3/2			II	sl	-	-	1	gr	vfr	medium humus content
Bg	30*	10YR 6/1			I	ls	-	-	0	sg	l	* 1st Red-Ox. Feature at 20 in.

Most Limiting Soil Conditions	Depth (in.) and Description	Most Limiting Soil Conditions	Depth (in.) and Description	Most Limiting Soil Conditions	Depth (in.) and Description	Additional Comments
Zone of Saturation	10 Estimated	Clean Saprolite	NONE	Restrictive Horizon	NONE	
Loading Rate gal/ds/ft2	0.80	Free Water	29	Overburden/Fill Material	10 suitable	

Test Hole # 3 Location Latitude/Longitude: 32° 14.106' 80° 58.317' (± 20 Ft)

Soil Profile		Estimating Soil Saturation			Estimating Soil Permeability						Comments and Other Pertinent Soil Features	
Horizon Suffix	Depth (inches)	Matrix Color	Munsell Color (hue, value, chroma)		Texture			Structure		Consistence (Moist)		
			Redoximorphic Features/Mottles		LTAR Class	USDA Class	Stick Class	Plastic Class	Grade			Type (shape)
		Concentrations		Depletions								
Fill	9	N/A			II	sl	-	-	2	gr	vfr	uniform, debris-free SUITABLE
Ab	18	10YR 3/2			II	sl	-	-	2	gr	vfr	medium humus content
Ab/Bg	24	10YR 5/2			I	ls	-	-	2	gr	vfr	* 1st Red-Ox. Feature at 18 in.
Bg	30	10YR 7/1			I	ls	-	-	0	sg	l	

Most Limiting Soil Conditions	Depth (in.) and Description	Most Limiting Soil Conditions	Depth (in.) and Description	Most Limiting Soil Conditions	Depth (in.) and Description	Additional Comments
Zone of Saturation	9 Estimated	Clean Saprolite	NONE	Restrictive Horizon	NONE	
Loading Rate gal/ds/ft2	0.75	Free Water	26	Overburden/Fill Material	9 suitable	

JH Phay

Test Hole # **4** Location Latitude/Longitude: **32°14.112' 80°58.326' (±24 ft)** BEAUFORT CO. PIN: R600 036 000 0426 0000

Soil Profile		Estimating Soil Saturation				Estimating Soil Permeability						Comments and Other Pertinent Soil Features		
Horizon Suffix	Depth (inches)	Matrix Color	Munsell Color (hue, value, chroma)		Redoximorphic Features/Mottles		Texture			Structure			Consistence (Moist)	
			Concentrations	Depletions	LTAR Class	USDA Class	Silt/Clay Class	Plastic Class	Grade	Type (shape)				
Fill	14	N/A					II	sl	-	-	2	gr	vfr	uniform, debris-free suitable
Ab	22	10YR 3/1					II	sl	-	-	2	gr	vfr	
Eg	30	* 10YR 6/1					I	ls	-	-	1	sbk	vfr	* 1st Red.-ox. feature at 22 in.
Most Limiting Soil Conditions		Depth (in.) and Description		Most Limiting Soil Conditions		Depth (in.) and Description		Most Limiting Soil Conditions		Depth (in.) and Description		Additional Comments		
Zone of Saturation		14 estimated		Clean Saprolite		NONE		Resistive Horizon		NONE				
Loading Rate gal/dz/ft2		0.75		Free Water		NONE		Overburden/Fill Material		14 suitable				

Test Hole # **5** Location Latitude/Longitude: **32°14.111' 80°58.320' (±17 ft)**

Soil Profile		Estimating Soil Saturation				Estimating Soil Permeability						Comments and Other Pertinent Soil Features		
Horizon Suffix	Depth (inches)	Matrix Color	Munsell Color (hue, value, chroma)		Redoximorphic Features/Mottles		Texture			Structure			Consistence (Moist)	
			Concentrations	Depletions	LTAR Class	USDA Class	Silt/Clay Class	Plastic Class	Grade	Type (shape)				
Fill	13	N/A					II	sl	-	-	2	gr	vfr	uniform, debris-free suitable
Ab	21	10YR 3/1					II	sl	-	-	2	gr	vfr	medium humus content
Bg	30	* 10YR 6/1					I	lfs	-	-	0	sg	l	"heavy" Tex. Class I * 1st Red.-ox. @ 21 in.
Most Limiting Soil Conditions		Depth (in.) and Description		Most Limiting Soil Conditions		Depth (in.) and Description		Most Limiting Soil Conditions		Depth (in.) and Description		Additional Comments		
Zone of Saturation		13 estimated		Clean Saprolite		NONE		Resistive Horizon		NONE				
Loading Rate gal/dz/ft2		0.80		Free Water		26		Overburden/Fill Material		13 suitable				