

### North Carolina Onsite Wastewater Contractor Inspector Certification Board Authorized Onsite Wastewater Evaluator Permit Option for Non-Engineered Systems Notice of Intent (NOI) to Construct

<u>&gt;</u>	New	Expansion	Repair	Relocation	Relocation of Repair Area
Owner or Legal Representation Name: RiverWILD  Mailing address: 114  Phone: 919-373-60	Homes W Main	St			State: NC Zip: 27520
	c 5 Cresce	ent Drive, Ste	e 250 City:	Cary	ation #: <u>10056E</u> State: <u>NC</u> Zip: <u>27518</u>
Site Location Informa Site address:49 V Tax parcel identificati Alton Fields, Lot	erbena F	or subdivision lo	t, block num	ber of property:County: Har	
System Information: Wastewater System Ty Daily Design Flow: 48 Saprolite System: Water Supply Type:	30 Yes <u>X</u>	 No Sub	surface Ope	rator Required: _	Yes <u>X</u> No Other:
Facility Type:  X Residential 4  Business T  Public Assembly	ype of Busin	ness and Basis fo	or Flow:		
Required Attachments X Plat or Site Plar X Evaluation of S	l	Features by Lice	ensed Soil So	vientist	лишини.
	vs and rules on <u>31</u> da d Onsite Wa	ct is accurate and governing onsit by of OCT, astewater Evaluation	d complete to e wastewater 2028	the best of my k	eby attest that the information requires to be knowledge. Furthermore Refeby attest that tate of North Carolina. O Certification Number 10056E
required (if any) to the evaluator shall be trans	local health	n department. A new owner with	n onsite was	tewater system a	omitting a complete NOI to Construct and the fee athorized by an authorized onsite wastewater donsite wastewater evaluator.
Local Health Departme Signature of Local Hea	-	-			Date:



Agri-Waste Technology, Inc.
1225 Crescent Green, Suite 250, Cary NC 27518
agriwaste.com | 919.859.0669



### Soil Suitability for Domestic Sewage Treatment and Disposal Systems 49 Verbena Pt, Dunn, NC 28334 (PIN: 1509-11-1999; Harnett County)

PREPARED FOR: RiverWILD Homes, c/o Kelley Judd

PREPARED BY: Trent Bostic, Senior Soil Scientist

DATE: October 31, 2025

Soil suitability for domestic sewage treatment and disposal systems was evaluated on May 1, 2025, for the property located at the Alton Fields subdivision. Trent Bostic of Agri-Waste Technology, Inc. (AWT) conducted the soil evaluation. This evaluation was done to facilitate permitting for a septic system. This report and attached documents were prepared to meet the requirements for an Authorized On-Site Wastewater Evaluator to meet G.S. 130A-336.2

A drawing of the site plan, septic layout, and boring locations is included in Attachment 1. Profile descriptions for each boring are included in Attachment 2. Additional documentation about the property is included in Attachment 3.

#### **Site Conditions**

The total property area is approximately 0.58 acres. The property is an open field. The drawing in Attachment 1 details the property boundaries, house location, boring locations, and layout of drain field trenches (Completed by AWT).

#### Soil Suitability for Domestic Sewage Treatment and Disposal Systems

Multiple soil borings/pits were assessed on the property. Soil borings/pits were examined to determine soil suitability for on-site sewage disposal systems in accordance with 15A NCAC 18E: Wastewater Treatment and Dispersal Systems. These borings/pits were advanced with a hand auger and excavator. All soil borings/pits shown are provisionally suitable for a conventional style trench. The proposed LTAR (Long Term Acceptance Rate) by AWT is 0.375 GPD/ft². The soils on this property are group III soils within the distribution and treatment zone as used to define the LTAR. The maximum trench bottom should not exceed 24".

#### Field Layout & System Design

A septic layout was performed to demonstrate available space (.0508). The layout in Attachment 1 indicates there is available space for a four-bedroom primary and repair system utilizing a 25% reduction product. With an LTAR of 0.375 GPD/ft², 320 linear feet of trench is necessary to support a four-bedroom home initial and 320 linear feet of trench is required for the repair system. The attached drawing proves that 640+ linear feet of trench can be installed with the proposed home location on the property.

# Any disturbances or grading done in the usable soils area may change the potential of using the area designated for a drain field and can result in a revoked permit.

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

Sincerely,

Trent Bostic, AOWE

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Agri-Waste Technology, Inc. 501 N Salem Street, Suite 203, Apex, NC 27502 agriwaste.com | 919.859.0669

#### **SOIL & SITE EVALUATION for ON-SITE WASTEWATER SYSTEMS**

Evaluation Date PIN/Parcel Proposed Facility Water Supply

5/1/2025
1509-11-1999
SFR
Municipal

Site Location Property Size (acres) Bedrooms Design Flow (.0400)

49 Verbena Pt
0.58
4
480

County
Property Recorded
Wastewater Strength
Evaluation Method

Harn	ett
Ye	S
Dome	estic
Διισ	er

					1		her Factors		•	
		•	Soil	l Morphology						
Profile #	.0502 Landscape Position Slope %	Horizon Depth (in)	.0503 Struct ure Textur e	.0503 Consistence	.0504 Soil Wetness Color	.0505 Soil Depth (in)	.0506 Saprolite	.0507 Restrictive Horizon	.0509 Profile Class LTAR	.0502(d) Slope Corrected Depth
		Ap 0-9	LS	NS, NP, Vfr	10YR 5/2					
		E 9-15	LS	NS, NP, Vfr	10YR 6/4	36	Suitable	Suitable	0.375	36
1	2%	Bt	SCL	SS, SP, Fi	10YR 5/6					
							System Type		Conver	ntional
		Ap 0-9	LS	NS, NP, Vfr	10YR 5/2		Suitable	Suitable	0.375	<u> </u>
		E 9-15	LS	NS, NP, Vfr	10YR 6/4	36				36
2		Bt	SCL	SS, SP, Fi	10YR 5/6					
		System Type Conventional								
		_								
		Ap 0-9	_	NS, NP, Vfr	10YR 5/2					
		E 9-15	_	NS, NP, Vfr	10YR 6/4	36	Suitable	Suitable	0.375	36
3	2%	Bt	SCL	SS, SP, Fi	10YR 5/6					
							System Type		Conver	ntional
		ı		1	, ,		•			
		Ap 0-9	_	NS, NP, Vfr	10YR 5/2					
		E 9-15		NS, NP, Vfr	10YR 6/4	36	Suitable	Suitable	0.375	36
4	2%	Bt	SCL	SS, SP, Fi	10YR 5/6					
							System Type		Conver	ntional

Evlauted by: TB	
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Site Classification	Suitable		
Primary LTAR	0.375	Repair LTAR	0.375
Primary Trench Depth	24	Repair Trench Depth	24



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## **SOIL & SITE EVALUATION for ON-SITE WASTEWATER SYSTEMS**

#### LEGEND

Soil Group	Soil Texture	Conventional LTAR	Anaerobic Dip LTAR	Aerobic Drip LTAR (TS-II)		alogy & stence	Structure
1	S (Sand) LS (Loamy	0.8-1.2	0.4-0.6	0.8-1.5	Moist Lo	Wet NS	SG (Single grain)
	Sand) SL (Sandy				(Loose) VFR (Very Friable)	(Non Sticky)  SS (Slightly Sticky)	(Massive) GR (Granular)
II	Loam) 0.6-0.8 L (Loam)	0.3-0.4	0.6-0.8	FR (Friable)	S (Sticky)	SBK (Subangular Blocky)	
	SiL (Silt Loam)				Fl (Firm)	VS (Very Sticky)	ABK (Angular Blocky)
III	SCL (Sandy Clay III Loam) CL (Clay Loam)	0.3-0.6	0.15-0.3	0.2-0.6	VFI (Very Firm)	NP (Non Plastic)	PR
					EFI (Extremely Firm)	SP (Slightly Plastic)	(Prismatic)
	SiCL (Silty Clay Loam)					P (Plastic)	PL
IV.	SC (Sandy Clay)	0.1-0.4	0.05-1.5	0.05-0.2		VP (Very Plastic)	(Platy)
(Silty	SiC (Silty Clay) C (Clay)	0.1-0.4	0.00-1.0			ty Expansive) pansive)	



#### CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 1/20/2025

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

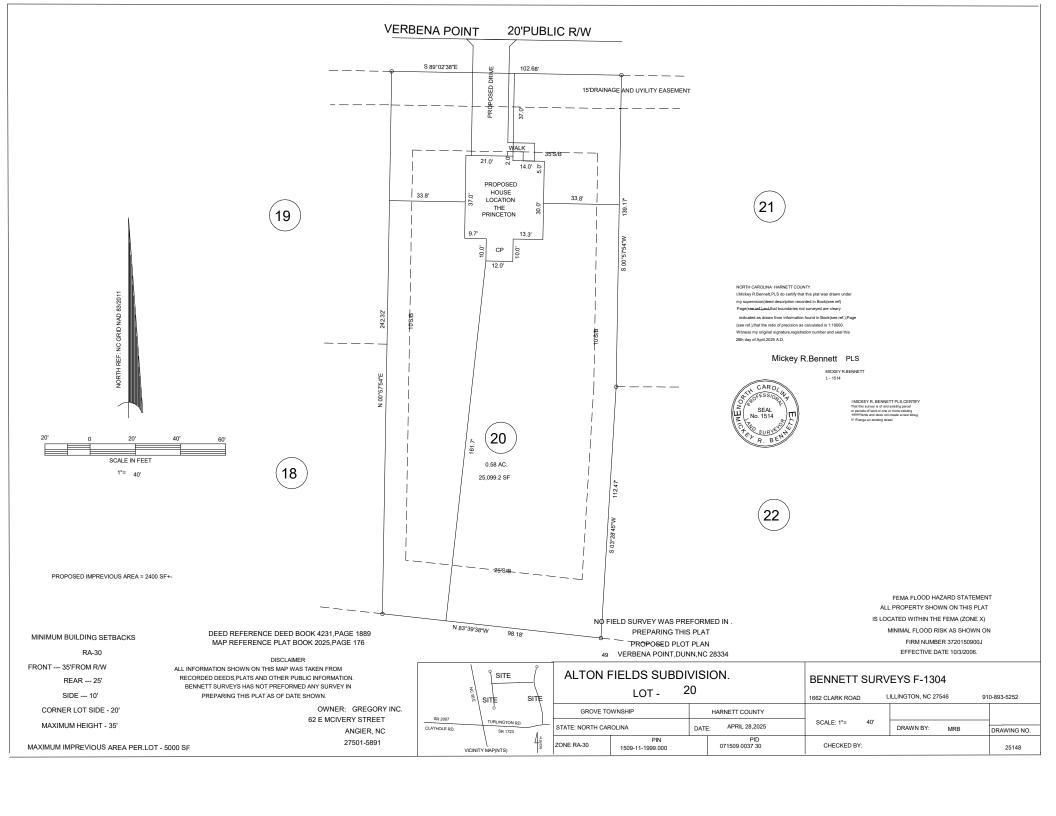
	gine is the columbate helder in hea cites	2011 011 de 1 0011 1011 (0).					
PRODUCER Hartsfield & Nash Agency, Inc.		CONTACT NAME: Connie Garkalns					
10405 Ligon Mill Rd., Ste H		PHONE (A/C, No, Ext): 984-235-4273 FAX (A/C, No): 919-55	56-8758				
Wake Forest NC 27587		E-MAIL ADDRESS: connie@hartsfield-nash.com					
		INSURER(S) AFFORDING COVERAGE	NAIC#				
	License#: 1000009111	INSURER A: Selective Insurance Company of	39926				
INSURED	AGRITEC-01	INSURER B: Accident Fund	10166				
Agri-Waste Technology Inc 501 N. Salem St Ste 203		INSURER c : Evanston Insurance Company	35378				
Apex NC 27502		INSURER D:					
		INSURER E:					
		INSURER F:					
COVERAGES	CERTIFICATE NUMBER: 130/498969/	REVISION NUMBER:					

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

NSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMIT	s
Α	X COMMERCIAL GENERAL LIABILITY			S 2253659	1/18/2025	1/18/2026	EACH OCCURRENCE DAMAGE TO RENTED	\$2,000,000
	CLAIMS-MADE X OCCUR						PREMISES (Ea occurrence)  MED EXP (Any one person)	\$ 300,000 \$ 10,000
							PERSONAL & ADV INJURY	\$2,000,000
	GEN'L AGGREGATE LIMIT APPLIES PER:						GENERAL AGGREGATE	\$4,000,000
	POLICY X PRO- JECT LOC						PRODUCTS - COMP/OP AGG	\$4,000,000
	OTHER:							\$
A	AUTOMOBILE LIABILITY			S 2253659	1/18/2025	1/18/2026	COMBINED SINGLE LIMIT (Ea accident)	\$1,000,000
	X ANY AUTO						BODILY INJURY (Per person)	\$
	OWNED SCHEDULED AUTOS AUTOS						BODILY INJURY (Per accident)	\$
	X HIRED X NON-OWNED AUTOS ONLY						PROPERTY DAMAGE (Per accident)	\$
								\$
A	X UMBRELLA LIAB X OCCUR			S 2253659	1/18/2025	1/18/2026	EACH OCCURRENCE	\$2,000,000
	EXCESS LIAB CLAIMS-MADE						AGGREGATE	\$2,000,000
	DED RETENTION\$							\$
	WORKERS COMPENSATION AND EMPLOYERS' LIABILITY			100003072	1/18/2025	1/18/2026	X PER OTH- STATUTE ER	
	ANYPROPRIETOR/PARTNER/EXECUTIVE T/N	N/A					E.L. EACH ACCIDENT	\$1,000,000
	(Mandatory in NH)	,					E.L. DISEASE - EA EMPLOYEE	\$1,000,000
	If yes, describe under DESCRIPTION OF OPERATIONS below						E.L. DISEASE - POLICY LIMIT	\$1,000,000
C A	Prof & Pollution Liability Leased & Rented			MKLV3ENV104794 S 2253659	8/22/2024 1/18/2025	8/22/2025 1/18/2026	Each Claim Equipment	5,000,000 25,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

CERTIFICATE HOLDER	CANCELLATION
Artisan Custom Homes 21016 Catawba Avenue	SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.
Cornelius NC 28031 USA	COMMI GANGAL
	Connie garaline



AOWE - AF20	
Project Location	49 Verbena Pt
	Dunn, NC 27334
	Harnett County
	PIN: 1509-11-1999
Project Owner	RiverWILD Homes
	114 W Main St
	Clayton, NC 27520
	919-373-6048
	kelley@staywild.com
Project Consultant	Trent Bostic, AOWE
	(919) 367-6322
	tbostic@agriwaste.com
	Agri-Waste Technology, Inc.
	1225 Crescent Green, Suite 250
	Cary, NC 27518
	(919) 859-0669
	(919) 233-1970 Fax
System Overview	Single Family Residence
	Four (4) Bedrooms, 480GPD
	Gravity, Parallel Distribution
	Accepted Trench Product



**VICINITY MAP** 

# Sheet Index

Sheet 1 Cover Sheet
Sheet 2 Property Layout
Sheet 3 Primary Drainfield
Sheet 4 Detail Sheet



Agri-Waste Technology, Inc. 1225 Crescent Green, Suite 250 Cary, North Carolina 27518 919-859-0669 www.agriwaste.com

> RiverWILD Homes AOWE - AF20

Project Location: 49 Verbena Pt Dunn, NC 27334 Harnett County PIN: 1509-11-1999

roject Owner:
RiverWILD Homes
114 W Main St
Clayton, NC 27520
919-373-6048
kelley@staywild.com

NC ONSITE WASTEWATER EVALUATOR SEAL



rey. Issued date description

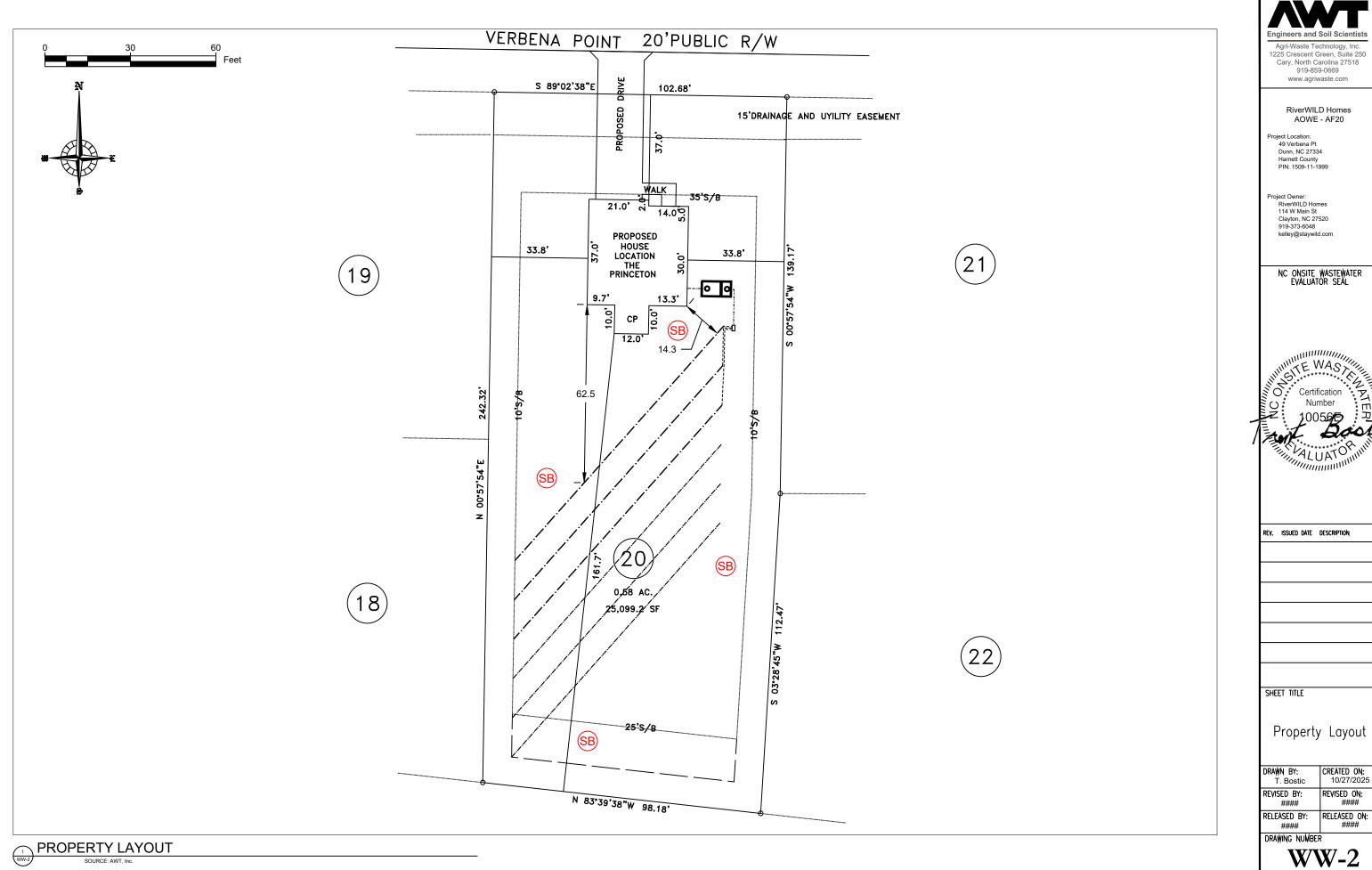
SHEET TITLE

Cover Sheet

DRAWING NUMBER

**WW-1** 







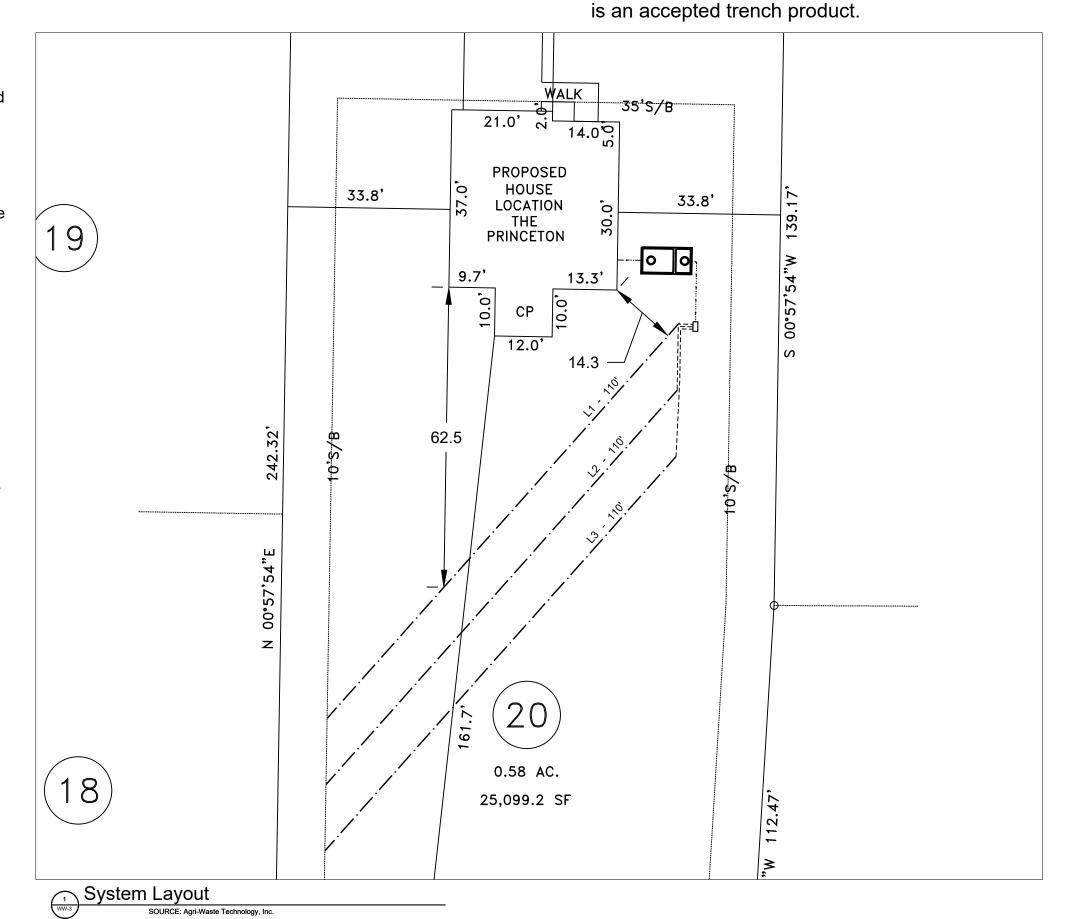
Property Layout

DRÁŴN BY: T. Bostic	CREATED ON: 10/27/2025
REVISED BY: ####	REVISED ON:
RELEASED BY:	RELEASED ON:

**WW-2** 

#### General Drainfield Notes:

- Clear all trees less than 8" in diameter (measured at a height 3' from soil surface) from the drainfield.
- Vegetation that will re-grow from a cut stump shall be stumped or pulled from the ground. Stumps shall not be pushed over.
- 3. Drainfield area shall be cleared of all leaves, pine straw, debris, etc. The accumulated material shall be removed from the drainfield.
- 4. In clayey soils, sides of trenches shall be raked and limed per manufacturer's instructions.
- 5. Supply lines shall be installed with a minimum of 18" cover.
- 6. The trenches shall be backfilled appropriately so that no low areas are present.
- 7. Apply lime over the drainfield area as needed. Seed fine fescue over the drainfield at the rate
- 8. recommended by the seed manufacturer. Hand rake the seed into the soil surface. Straw the seeded area at the rate of 1.5-2 bales per 1000 sq. ft.



Note:

Primary distribution is parallel w/ D-box. Primary



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> RiverWILD Homes AOWE - AF20

Project Location: 49 Verbena Pt Dunn, NC 27334 Harnett County PIN: 1509-11-1999

Project Owner: RiverWILD Homes 114 W Main St Clayton, NC 27520 919-373-6048 kelley@staywild.com

NC ONSITE WASTEWATER EVALUATOR SEAL



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SHEET TITLE

Primary Layout

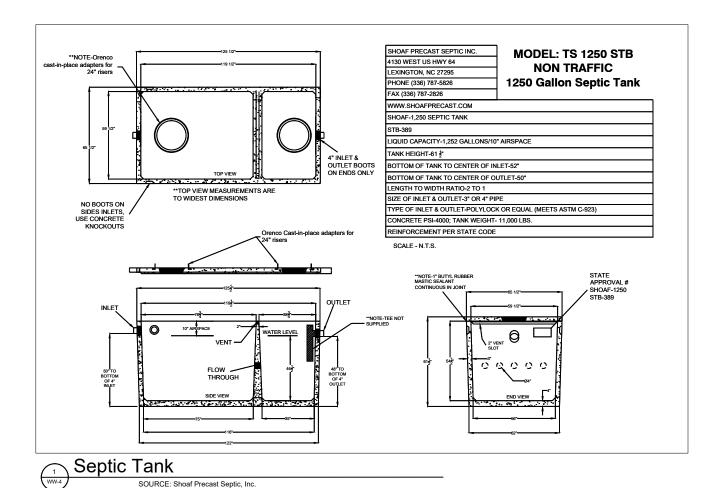
DRAWN BY:
T. Bostic
T. Bostic
REVISED BY:
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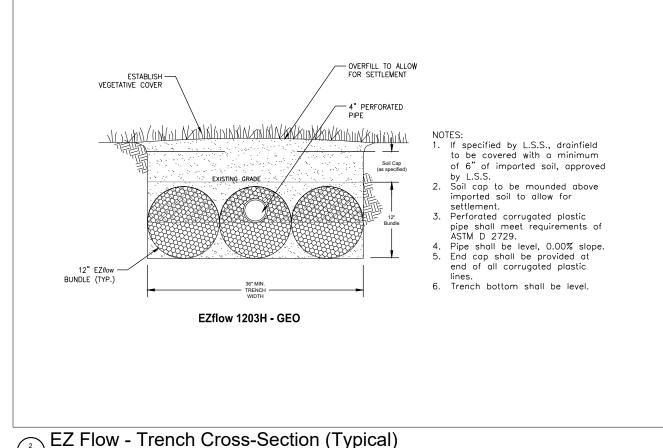
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DRAWING NUMBER

WW-3





**NOTES** 

1. Installation to follow all NC DHHS and Harnett County applicable rules and regulations.

2. AWT to perform construction inspections and final system certification.

3. Septic Tank to have approved effluent filter.

- 4. Contractor to abide by all safety regulations during system installation.
- 5. Contractor shall backfill around all access areas such that storm water is shed away from potential entry points.
- 6. Invert elevations of all components to be verified in field by contractor to insure proper operation.
- 7. All system piping to be SCH40 PVC (except where noted).
- 8. All gravity elbows to be long radius or long sweeping type elbows.
- 9. Actual installation and placement of treatment system to be overseen by Contractor.
- 10. Tank hole to be compacted with tamping machine.

with existing landscape. Area shall not be left with uncovered soil.

- 12. All risers to have cast—in—place tank adapters and be single-piece riser. Risers to extend 6" above soil surface and be designed to prevent surface water inflow.
- 13. Backfill around tank(s) shall be gravel or tank hole shall be over-excavated a minimum of 2' in all directions to allow for mechanical tamping of backfill.
- 14. All penetrations to be sealed.
- 15. Contractor to adjust tank placement to meet site constraints.

Agri-Waste Technology, Inc

1225 Crescent Green, Suite 250

919-859-0669

RiverWILD Homes

AOWE - AF20

Project Location: 49 Verbena Pt

Dunn. NC 27334

Project Owner: RiverWILD Homes

114 W Main St

Clayton, NC 27520 919-373-6048

kelley@staywild.com

NC ONSITE WASTEWATER EVALUATOR SEAL

Harnett County PIN: 1509-11-1999

www.agriwaste.co

REV. ISSUED DATE DESCRIPTION

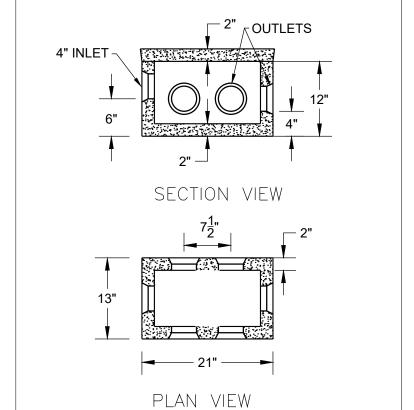
SHEET TITLE

Detail Sheet

DRÁŴN BY: CREATED ON: T. Bostic REVISED BY: REVISED ON: RELEASED BY: RELEASED ON:

DRAWING NUMBER

WW-4



**Distribution Box** 

11. Contractor to seed and/or mulch disturbed areas to coincide