Permit/File #:	



ROY COOPER • Governor

KODY H. KINSLEY • Secretary

MARK BENTON • Chief Deputy Secretary for Health

SUSAN KANSAGRA • Assistant Secretary for Public Health

Division of Public Health

Submittal Includes:	(a2) Improvement Permit	(a2) Construction Authorization	tion	
	IMPROVEN	MENT PERMIT FOR G.S. 130	A-335(a2)	
County:				
Subdivision (if applicable	.)	Lot #:	Block:	Section:
LSS Report Provided: Ye	s No 🗌			
If yes, name and license	number of LSS:			
New 🗌	Expansion	System Relocation	Change of Use	: <u> </u>
Facility Type:				
Number of bedrooms:	Number of Occupants:	Other:		
Design Wastewater Stre	ngth: Domestic	High Strength	ndustrial Process Wastewater	-
Proposed Design Daily Fl	ow: GPD	Proposed LTAR (Initial):	Proposed LTAR (Repair):	
Proposed Wastewater Sy	/stem Type*:	(Initial) Pun	np Required: 🗌 Yes 📗 No	☐ May be required
Proposed Wastewater Sy	ystem Type*:	(Repair) Pun	np Required: 🗌 Yes 🔲 No	May be required
*Please include system c	lassification for proposed waster	water system types in accordance wit	h Rule .1301 Table XXXII	
Effluent Standard:	DSE HSE NSF/ANSI 4	0 TS-I TS-II RCW		
Saprolite System (Initial)	: Yes No Saprolit	te System (Repair): 🗌 Yes 📗 No		
Fill System (Initial): 🔲 Y	es 🔲 No If yes, specify: 🗌 Ne	ew Existing (when adding more	than 6 inches of fill to system	n area provide a fill plan)
Fill System (Repair): 🔲 ነ	res No If yes, specify: N	lew Existing (when adding more	than 6 inches of fill to syster	n area provide a fill plan
Usable Depth to LC (Initi	al) ^x :	Usable Depth to LC (Repair)x:	× Limiting Co	ondition
Max. Trench Depth (Initi	al)‡: Max. Tr	rench Depth (Repair)‡:	[‡] Measured on the dow	nhill side of the trench
Artificial Drainage Requi	red: 🗌 Yes 🔲 No If yes, plea	se specify details:		
Type of Water Supply:	Private well Public well	Shared well Municipal Sup	oply Spring Othe	er:
Drainfield location meet	s requirements of Rule .0508: Ye	es 🔲 No 🔲 Drainfield location r	neets requirements of Rule .0	0601: Yes
Permit valid for: Five	years [site plan submitted pursu	uant to GS 130A-334(13a)] 🔲 No ex	piration [plat submitted purs	uant to GS 130A-334(7a
Permit conditions:				
Licensed Soil Scientist Pr	int Name:			
Licensed Soil Scientist Sig	gnature: Ha	eath Clapp	Date:	

The LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-335(a2).



Permit/File #:	
----------------	--

This Section for Local Health Department Use Only

initiai submittai received:		Dy	
	Date	Initials	
G.S. 130A-335(a3) states the following:			
When an applicant for an Improvement Permit submits to a local health depart department, the common form developed by the Department, and a soil evaluation, the common form developed by the Department, and a soil evaluation, it is to complete the service of the end of the required components. If the local health department shall notify the applicant of the components needed to complete the Improved department to cure the deficiencies in the Improvement Permit. The local health sis complete within five business days after the local health department received act within any period set out in this subsection, the applicant may treat the factorism form for use as the Improvement Permit.	uation pursuant to sul review of the submit determines that the ment Permit. The app Ith department shall i es the additional infor	ssection (a2) of this section, the local health depart cal. A determination of completeness means that the improvement Permit is incomplete, the local health licant may submit additional information to the local make a final determination as to whether the Impro mation from the applicant. If the local health depa	ment shall, ne Improvement department al health ovement Permit rtment fails to
The review for completeness of this Improvement Permit was Permit is determined to be:	conducted in acc	ordance with G.S. 130A-335(a3). This In	iprovement
☐ Incomplete (If box is checked, information in this section i	is required.)		
The following items are missing:			
	5		
Copies of this were sent to the LSS and the Applicant on	Date		
State Authorized Agent:		Date:	
☐ Complete			
State Authorized Agent:	-1/-09	Date:	
This Improvement Permit is issued pursuant to G.S. 130A-335 attached here. The issuance of this permit in no way guarant for checking with appropriate governing bodies in meeting the plat, or the intended use changes. The Improvement Permit permit is subject to compliance with the provisions of 15A No. The Department, the Department's authorized agents, and the liabilities, duties, and responsibilities imposed by statute evaluations, submittals, or actions from a licensed soil scient	tees the issuance heir requirement shall not be affe CAC 18E and to the local health decorning or in common le	of other permits. The permit holder is s. This permit is subject to revocation if cted by a change in ownership of the sit ne conditions of this permit. Experiments shall be discharged and release from any claim arising out of or attri	responsible the site plan, e. This ased from
Improvement Permit Expiration Date:			

See attached site sketch



Permit/File #:	e #:
----------------	------

Re-submittal of Improvement Permit

	LHD USE ONLY: This IP resubmittal receiv	ved:	by	_
The following it	tems are being resubmitted pursuant to G.S. 13	30A-335(a3) for issuar	nce of the Improvement Perr	mit:
	J. LE	SIATE	All Control	
s accurate and	hereby att Scientist (Print Name) complete to the best of my knowledge and th laws, regulations, rules, and ordinances.		on required to be included v	
Signatur	e of Licensed Soil Scientist		Date	
HD Follow I	The section below is for Local Health Departn up Completeness Review of Improven		of items noted as missing abo	ve.
The review for o	completeness of this Improvement Permit re-sermit is determined to be:		ted in accordance with G.S.	130A-335(a3). This
	(If box is checked, information in this section ems are missing:	is required.)		
Copies of this w	vere sent to the LSS and the Applicant on	Date		
State Authorize	d Agent:		Date:	
☐ Complete				
State Authorize	d Agent:		Date:	



Permit/File #:

CONSTRUCTION AUTHORIZATION FOR G.S. 130A-335(a2)

County:			Pre-Construct	tion Conference	ce Required: Yes 🔲 No 🗌	
PIN/Lot Identifie	er:					
Issued To:						
Property Locatio	on:					
AOWE/PE Plans/	Evaluations Provide	d: Yes 🔲 No 🗌	If yes, name and license n	umber of AOV	NE/PE:	
Facility Type:						
Number of bedro	ooms: Num	nber of Occupants: _	Other:			
New	Expansion	Repair	System Relocation	Ch	ange of Use	
Basement?	Yes	☐ No	Basement Fixtures?	Yes	□ No	
Crawl Space?	Yes	☐ No	Slab Foundation?	Yes	□ No	
Type of Wastewa	ater System*		(Initia	l)	(Re	epair)
*Please include s	system classification	for proposed waste	water system types in acc	ordance with	Rule .1301 Table XXXII	
	w: 4-120 Section 53, Er		stewater Strength: Dortilizing Low-flow Fixtures a		/ I / - / / /	1
	ovide engineering de			_		
	<u> </u>	\mathcal{N}_{I}	IO TS-I TS-II		7.04//	
Type of Water Su	upply: Private we	ell Public well	Shared well	1unicipal Supp	oly Spring Other:	
Installation Requ	uirements/Conditio	<u>ns</u>				
					Spacing: feet on center	
Trench/Bed Wid	th: inches	LTAR:	gpd/ft ² Usable	Depth to LC (Initial) ^x : ^x Limiting condition	n
Soil Cover:	_ inches Slope C	Corrected Maximum	Trench/Bed Depth [‡] :	inches	* Measured on the downhill side of the trenc	h
Pump Tank Size	(if applicable):	gallons	Requires more than 1	pump? 🗌 Ye	s 🗌 No	
Pump Requirem	ents: ft. TDH	l vs GPM	Grease Trap Size (if ap	plicable):	gallons	
Distribution Met	thod: Serial	D-Box or Parallel	Pressure Manifold(s	;) 🔲 LPP	Other:	
Artificial Drainag	ge Required: Yes 🗌	No If yes, ple	ase specify details:			
<u>Legal Agreemen</u>	i <mark>ts</mark> (If the answer is "	Yes" to any type of I	legal agreements, please d	attach a copy o	of the agreement.)	
Multi-party Agre	eement Required [.02	204(g)]: Yes	☐ No De	eclaration of R	estrictive Covenants: Yes No	
Easement, Right-	of-Way, or Encroac	hment Agreement R	equired [.0301(b)]: 🗌 Ye	s No		
Management En	itity Required: 🔲 Y	es 🗌 No Minimu	ım O&M Requirements: _	MDE		
Permit conditi	ions:					
						_
						_
						_
with the attache Construction Au	ed site sketch. <i>This</i> thorization shall no	Construction Author t be affected by a cl	rization is subject to revo	<i>cation if the si</i> e site. This Co	e met. Systems shall be installed in accordanc ite plan, plat, or the intended use changes. The Instruction Authorization is subject to complia ions of this permit.	e
AOWF/PF Print N	Name:	-				
	ture:	UIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Clarps	——— Dat	e:	
		1 0000			··	

This AOWE/PE submittal is pursuant to and meets the requirements of G.S. 130A-335(a2) and (a5).

See attached site sketch



Permit/File #:

This Section for Local Health Department Use Only

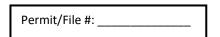
	Initial submittal received:		by
		Date	Initials
G.S. 130A-335(a5) states the follo	wing:		
mprovement Permit and Construction Aut Department, and any necessary signed and engineer or a person certified pursuant to a department shall, within five business days the Construction Authorization or Improve determines that the Construction Authoriza applicant of the components needed to con additional information to the local health of Authorization. The local health departmen department fails to act within any period s apply for the building permit for the project Authorization by the local health departmen ficensed engineer submitting the evaluatio Authorization or Improvement Permit and	horization application together, the pend sealed plans or evaluations conducted Article 5 of Chapter 90A of the General is of receiving the application, conduct a ment Permit and Construction Authorization or Improvement Permit and Construction Fundament to cure the deficiencies in the shall make a final determination as to ess days after the local health department to ut in this subsection, the applicant at upon the decision of completeness of ent or if the local health department fair newsuant to this subsection may requive Construction Authorization for cause. Ususpend or revoke the Construction All	rmit fee charged by the of by a person licensed pure Statutes as an Authoriza a completeness review of ation includes all of the truction Authorization is or Improvement Permit and the Construction Authorization to whether the Construction and treat the failure to the Construction Authorials to act within five business that the local health Upon written request of uthorization or Improver	ration together, submits a Construction Authorization, or an allocal health department, the common form developed by the arsuant to Chapter 89C of the General Statutes as a licensed and On-Site Wastewater Evaluator, the local health of the submittal. A determination of completeness means that required components. If the local health department incomplete, the local health department shall notify the and Construction Authorization. The applicant may submit reation or Improvement Permit and Construction on Authorization or Improvement Permit and Construction and information from the applicant. If the local health act as a determination of completeness. The applicant may rization or Improvement Permit and Construction and Says. The Authorized On-Site Wastewater Evaluator or department revoke or suspend the Construction the Authorized On-Site Wastewater Evaluator or licensed ment Permit and Construction Authorization pursuant to G.S.
The review for completeness of th	is Construction Authorization v	was conducted in a	ccordance with G.S. 130A-335(a5). This
Construction Authorization is dete	ermined to be:		
☐ Incomplete (If box is checked,	, information in this section is r	equired.)	
The following items are missing: _		1	
W C2			
Copies of this were sent to the AC	WF/PF and the Applicant on	11	
30p.00 0. u		Date	
State Authorized Agent:		1.484/10	Date:
7//	My Children		
Complete			
State Authorized Agent:	M XV	. 12.17	Date of Issuance:
attached here. This Construction Construction Authorization shall to compliance with the provision The Department any liabilities, duties, and responolans, evaluations, preconstructions.	Authorization is subject to rev not be affected by a change in s of the Laws and Rules for Sev t's authorized agents, and the sibilities imposed by statute of on conference findings, submit	ocation if the site p ownership of the s wage Treatment an local health depart r in common law fr stals, or actions fro	sing the signed and sealed plans or evaluations plan, plat, or the intended use changes. The lite. This Construction Authorization is subject d Disposal and to the conditions of this permit. ments shall be discharged and released from om any claim arising out of or attributed to ma person licensed pursuant to Chapter 89C of e 5 of Chapter 90A of the General Statutes as an
Authorized On-Site Wastewater E	Evaluator in GS 130A-335(a2), (rtments shall be responsible a	(a5), and (a7). The l nd bear liability for	Department, the Department's authorized their actions and evaluations and other
Construction Authorization Expira	ation Date:		



Permit/File #:

Re-submittal of Construction Authorization

	LHD USE ONLY: Th	nis CA resubmittal received:	Date	by Initials	-
The following i	tems are being resubm	itted pursuant to G.S. 130A-3	335(a5) for issuance of	of the Construction Author	ization:
			AT	<i>3</i> -	
1		herehy attest ti	hat the information r	equired to be included wit	h this re-suhmittal
is accurate and		(Print Name) of my knowledge and that thoons, rules, and ordinances.			
Signatui	re of Authorized On-Site Was	tewater Evaluator	4	Date	
		ร for Local Health Department เ		ems noted as missing above.	
LHD Follow-	up Completeness R	Review of Construction	Authorization		
	completeness of this C on Authorization is det	onstruction Authorization re ermined to be:	-submittal was condu	ucted in accordance with G	i.S. 130A-335(a5).
☐ Incomplete	(If box is checked, info	rmation in this section is req	uired.)		
The following it	ems are missing:				
		JUNE ON	M AIDER	J.	
Copies of this w	vere sent to the AOWE	/PE and the Applicant on	Date	-	
State Authorize	ed Agent:			Date:	
☐ Complete					
State Authorize	ed Agent:			Date:	





ADDENDUM TO G.S. 130A-335(a2) SUBMITTAL

County:	
PIN/Lot Identifier:	
Issued To:	
Additional Improvement Permit Conditions:	
E STATE	
6 N N 1 30 1 - 5 N N	
Net - Y S/M Elizable 2 / Vene O M	
Additional Construction Authorization Conditions:	
10RH 12 1776	
White Tell I	
QUAM VI	

7



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 Birchwood Trails – Lot 4 138 Rockhaven Drive, Fuquay Varina, NC 27526 (Harnett County)

October 3, 2025

Soil suitability for domestic sewage treatment and disposal systems was evaluated on October 1, 2025, for the property located at 138 Rockhaven Drive in Fuquay Varina, NC (Harnett County). Heath Clapp of Agri-Waste Technology, Inc. (AWT) conducted the soil evaluation. This evaluation was done to facilitate permitting for a septic system for a 4-bedroom home. This report and attached documents were prepared to this application is to be used to issue an Improvement Permit in accordance with G.S. 130A-335(a2) and (a3). The LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-335(a2).

A drawing of the site plan, septic layout, septic system design, and soil pit locations is included in Attachment 1. Profile descriptions for each soil boring are included in Attachment 2.

The total property area is approximately 0.67 acres. The house and septic area are an open field. The proposed septic system for the property is a gravity fed, accepted status system for initial and for repair.

Soil Suitability for Domestic Sewage Treatment and Disposal Systems

The drawing in Attachment 1 details the property boundaries, soil pit locations, and layout of drain field trenches. Multiple soil pits and borings were advanced within the proposed septic system area on the property. Soil pits/borings were examined to determine soil suitability for on-site sewage disposal systems in accordance with 15A 18A .1900 Rules for Sewage Treatment and Disposal Systems. All soil pits/borings are suitable for a conventional style trench. Soil pits/borings are within the proposed drainfield area.

The layout shown in Attachment 1 indicates there is available space for a four-bedroom accepted system. The initial system can be installed with the use of an accepted status drainfield based on the layout in the field.

The proposed LTAR (Long Term Acceptance Rate) by AWT is 0.4GPD/ft². The soils on this property are group III soils within the distribution and treatment zone as used to define the LTAR. With an LTAR of 0.4GPD/ft², 600 linear feet of trench is necessary to support a 4-bedroom home for the initial and repair system with the use of an accepted trench product. The maximum slope corrected trench depth is 24 inches. The attached drawings substantiate that the necessary linear footage of trench can be installed on the property for the initial and repair system.

Any logging, disturbances, or grading done in the usable area or within the proposed setbacks will change the potential of using the area designated for a drainfield. Prior to moving forward with the development on the property, the Harnett County Health Department should be contacted to complete the necessary Construction Oversight and to issue an OP (Operations Permit) for the property once the septic system has been installed.

Conclusions

An IP (Improvement Permit) and CA (Construction Authorization) for this property can be issued with the site plan that is in Attachment 1. A CA permit will be required to secure a building permit for the property. The county issues an Operation Permit after the system has been installed to meet the specifications of the Authorization to Construct. Additional septic layouts have been or will be performed as needed. It will be critical to not disturb any of the proposed septic area or there is a risk that the IP and CA will be revoked. The LSS/AOWE Evaluation and attached documents were prepared to this application is to be used to issue an Improvement Permit in accordance with G.S. 130A-335(a2) and (a3). The LSS/AOWE evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-335(a2) and (a5).

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

Sincerely,

Heath Clapp, NC LSS



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

SOIL & SITE EVALUATION for ON-SITE WASTEWATER SYSTEMS

Evaluation Date PIN/Parcel **Proposed Facility** Water Supply

10/1/2025	
0642-74-5525	
SFR	
Municipal	

Site Location Property Size Bedrooms Design Flow (.0400)

138 Rockhaven Drive, Fuquay Varina, NC 27526
0.67 acres
4
480

County **Property Recorded** Wastewater Strength **Evaluation Method**

Harnett	
Yes	
Domestic	
Διισε	

		T	Soil Mo	rphology		Othe	er Factors	<u></u>		1
Profile #	.0502 Landscape Position Slope %	Horizon Depth (in)	.0503 Structure Texture	.0503 Consistence Mineralogy	.0504 Soil Wetness Color	.0505 Soil Depth (in)	.0506 Saprolite	.0507 Restrictive Horizon	.0509 Profile Class LTAR	.0502(d) Slope Correction
		Ap 0-10"	LS	NS, NP, VFr	10YR 3/3					
		E 10-18"	LS	NS; NP; VFr	10YR 7/6	36	S	s	0.4	0.4
1	1%	Bt1 18-36"+	SCL	S; SP; Fi-Fr	2.5YR 5/8					
							System Type		Con	ventional
			1	1	1		71			
		•								
		Ap 0-10"	LS	NS, NP, VFr	10YR 3/3					
		E 10-18"	LS	NS; NP; VFr	10YR 7/6	36	S	S	0.4	0.4
2	1%	Bt1 18-36"+	SCL	S; SP; Fi-Fr	2.5YR 5/8					
							System Type		Con	ventional
			•	•	•					
		Ap 0-10"	LS	NS, NP, VFr	10YR 3/3					
		E 10-18"	LS	NS; NP; VFr	10YR 7/6	36	S	S	0.4	0.4
3	1%	Bt1 18-36"+	SCL	S; SP; Fi-Fr	2.5YR 5/8					
							System Type		Con	ventional
			T		1			<u> </u>		
		Ap 0-10"	LS	NS, NP, VFr	10YR 3/3					
		E 10-18"	LS	NS; NP; VFr	10YR 7/6	36	S	S	0.4	0.4
4	1%	Bt1 18-36"+	SCL	S; SP; Fi-Fr	2.5YR 5/8					
							System Type		Con	ventional

Evaluated By:	
Heath Clann, LSS	

Heath Clapp, LSS

Site Classification	Suitable	Site Classification	Suitable
Primary LTAR	0.4	Repair LTAR	0.4
Primary Trench Depth	24"	Repair Trench Depth	24"



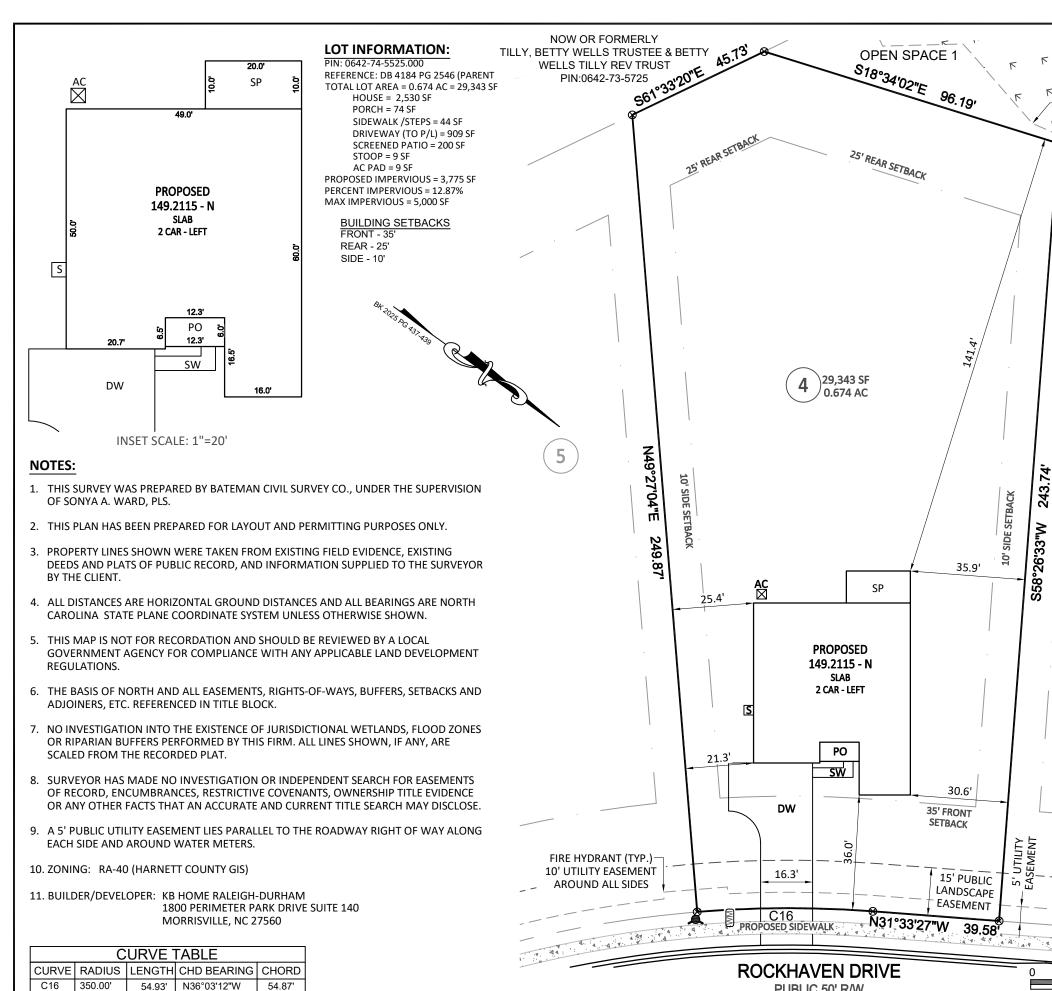
Agri-Waste Technology, Inc. 1225 Crescent Green, Suite 250, Cary NC 27518 agriwaste.com I 919.859.0669

SOIL & SITE EVALUATION for ON-SITE WASTEWATER SYSTEMS

LEGEND

Soil Group	Soil Texture S (Sand) LS	Conventional LTAR 0.8-1.2	Anaerobic Dip LTAR 0.4-0.6	Aerobic Drip LTAR (TS-II) 0.8-1.5	Minera Moist Lo	alogy & Wet NS	Structure SG (Single grain) M
·	(Loamy Sand)	0.0 2.2	51.1 51.5	0.0 2.0	(Loose)	(Non Sticky)	(Massive)
	SL (Sandy Loam)				VFR (Very Friable)	SS (Slightly Sticky)	GR (Granular)
II	L (Loam)	0.6-0.8	0.3-0.4	0.6-0.8	FR (Friable)	S (Sticky)	SBK (Subangular Blocky)
	SiL (Silt Loam)				FI (Firm)	VS (Very Sticky)	ABK (Angular Blocky)
III	(Sandy Clay Loam)	Loam) 0.3-0.6	0.15-0.3	0.2-0.6	VFI (Very Firm)	NP (Non Plastic)	PR (Prismatic)
	CL (Clay Loam)				EFI (Extremely Firm)	SP (Slightly Plastic)	
	SiCL (Silty Clay Loam)					P (Plastic)	PL (District)
	SC (Sandy Clay) SiC (Silty Clay) C (Clay)	(Sandy Clay)	0.05.4.5	0.05-0.2		VP (Very Plastic)	(Platy)
IV		0.1-0.4	0.05-1.5			ty Expansive) pansive)	







Engineers • Surveyors • Planners

2524 Reliance Avenue, Apex, NC 27539 Ph: 919.577.1080 Fax: 919.577.1081 www.batemancivilsurvey.com info@batemancivilsurvey.com NCBELS Firm No. C-2378

> DRAWN UNDER MY DIRECT SUPERVISION FROM A SURVEY MADE LINDER MY SUPERVISION (PLAT BOOK

> INDICATED AS DRAWN FROM INFORMATION LISTED

UNDER REFERENCES; THAT THE RATIO OF PRECISION

This map is of an existing parcel of land

and is only intended for the parties and

purposes shown. This map not for

recordation. No title report provided.

AS CALCULATED IS 1:10,000+; AND THAT THIS MAP

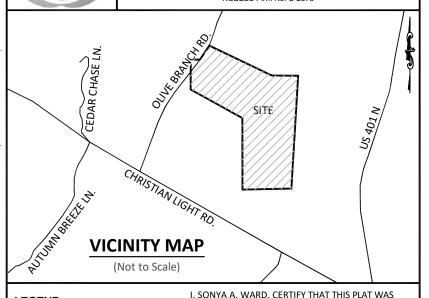
MEETS THE REQUIREMENTS OF THE STANDARD OF

REFERENCED IN TITLE BLOCK); THAT THE

BOUNDARIES NOT SURVEYED ARE CLEARLY

PRACTICE FOR LAND SURVEYING IN NORTH

CAROLINA. L-4017 DATED:



LEGEND

3

SCALE: 1" = 30 ft.

PUBLIC 50' R/W

WETLANDS

- PO = COV. FRONT PORCH/PATIO
- CP = COV. REAR PORCH/PATIO
- WD = WOOD DECK SW = SIDEWALK
- DW = CONCRETE DRIVEWAY
- SP = SCREENED PORCH/PATIO
- = CONCRETE PATIO
- = COMPUTED POINT
- = IRON PIPE FOUND (IPF) = IRON PIPE SET (IPS)
- = SCRIBE FOUND/SET (SS)
- WM = WATER METER
- CO = CLEAN OUT
- AC = AIR CONDITIONER = CABLE PEDESTAL
- S = SEWER MANHOLE TT = TELEPHONE PEDESTAL
- CB = CATCH BASIN/CURB INLET
- ☼ = LIGHT POLE
- = HAND HOLE/UTILITY VAULT
- = ELECTRIC BOX/TRNSFRMR = FIRE HYDRANT
- = DRAIN INLET/YARD INLET
- = GAS METER
- = ELECTRIC METER
- = STOOP

R/W = RIGHT OF WAY P/L = PROPERTY LINE

BUILDER TO VERIFY HOUSE LOCATION DIMENSIONS AND REVIEW TOTAL IMPERVIOUS NOTED ON THIS PLOT PLAN

PRELIMINARY PLOT PLAN

FOR



BIRCHWOOD TRAILS - PHASE 1 - LOT 4

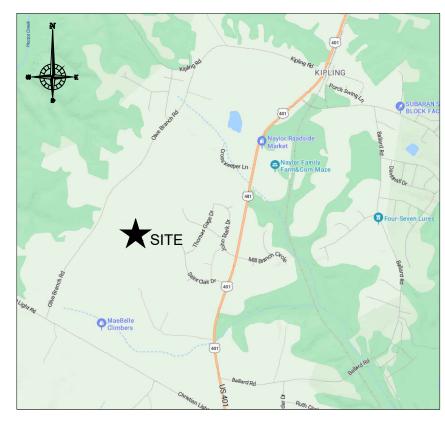
138 ROCKHAVEN DRIVE, FUQUAY-VARINA, NC HECTORS CREEK TOWNSHIP, HARNETT COUNTY

DATE:9/12/25 DRAWN BY: AHB CHECKED BY: SAW

REFERENCE: BK 2025 PG 437-439 BCSC# 250642

SCALE: 1" = 30'

138 Rockhaven Drive, Fuquay Varina, NC 27526
Fuquay Varina, NC 27526
Harnett County
PIN: 0642-74-5525
KB Home
1800 Perimeter Park Drive, STE 140,
Morrisville, NC 27560
919-768-7960
enpollock@kbhome.com
Heath Clapp, LSS, AOWE
(919) 629-6404
Jeff Vaughan, LSS, AOWE
(919) 367-6313
Agri-Waste Technology, Inc.
1225 Crescent Green, Suite 250
Cary, NC 27518
(919) 859-0669
(919) 233-1970 Fax
Single Family Residence
Four (4) Bedroom, 480 gpd
Conventional Gravity
Accepted/Innovative Trench Product



VICINITY MAP

Sheet Index

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



REVISED BY:

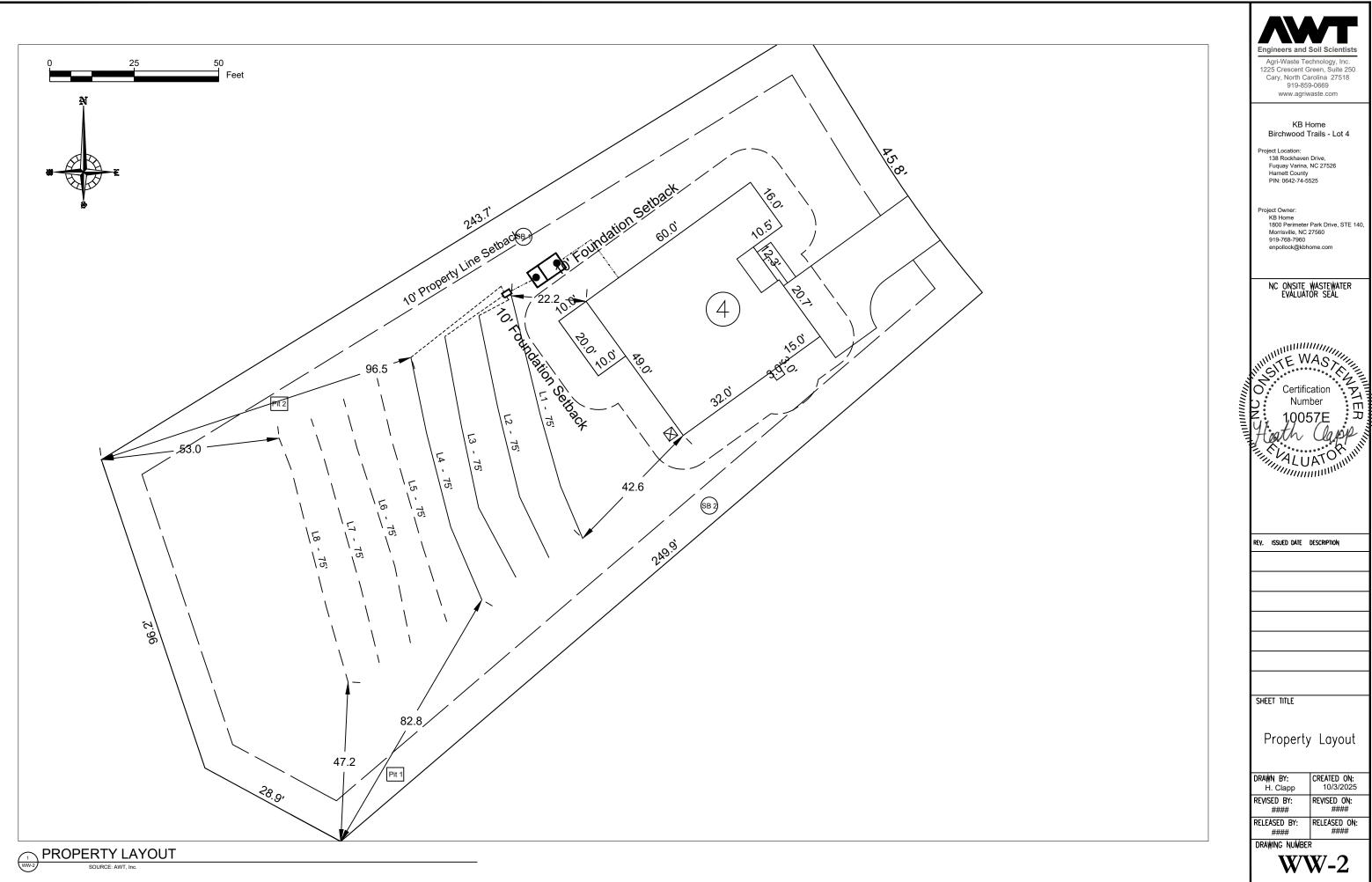
RELEASED BY: RE #### DRAWING NUMBER

REVISED ON:

RELEASED ON:

WW-1





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.
- 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.

Installation Notes:

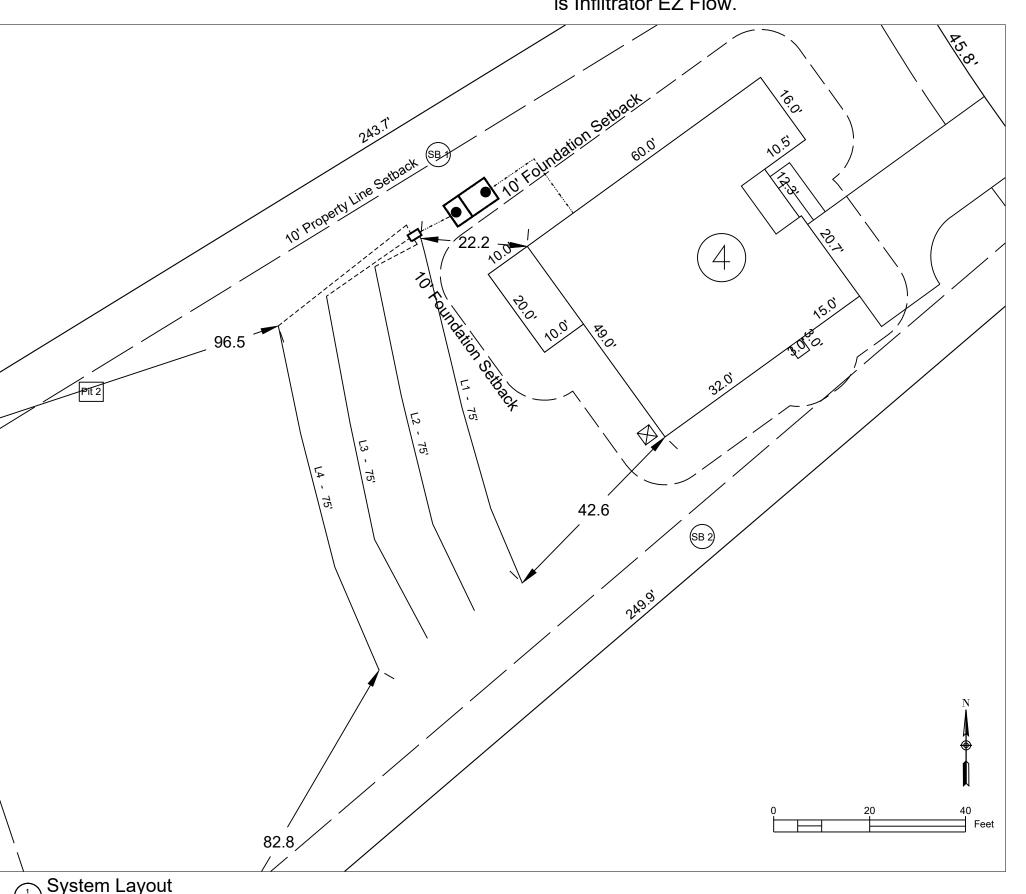
Contractor to adjust tank placements as necessary to maintain:

- 1. 10' downslope NO foundation drain
- 2. Min. 12" cover over Septic Tank (Not to exceed 36")

SOURCE: Agri-Waste Technology, Inc.

- 3. Min. 18" cover over pipes
- 4. Min. 2% grade on gravity pipe from house to Septic Tank

Note: Primary distribution is parallel w/ D-box. Primary is Infiltrator EZ Flow.





Agri-Waste Technology, Inc. 1225 Crescent Green, Suite 25 Cary, North Carolina 27518 919-859-0669 www.agriwaste.com

> KB Home Birchwood Trails - Lot 4

Project Location: 138 Rockhaven Drive, Fuquay Varina, NC 27526 Harnett County PIN: 0642-74-5525

Project Owner: KB Home 1800 Perimeter Park Drive, STE 140 Morrisville, NC 27560 919-768-7960

NC ONSITE WASTEWATER EVALUATOR SEAL

Certification Number 10057E

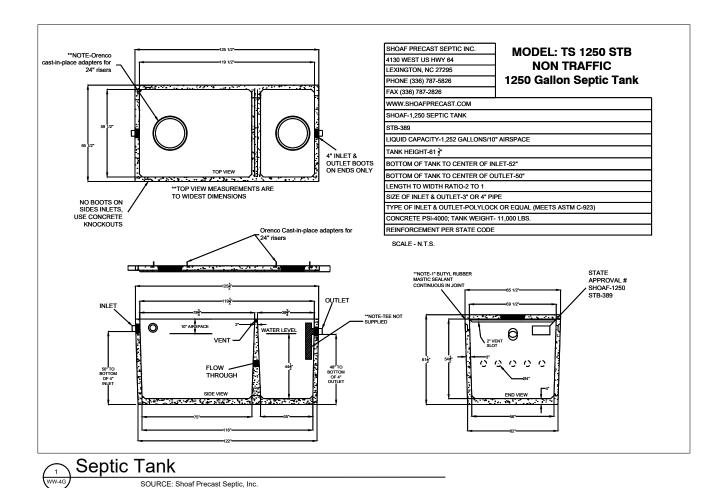
EV, ISSUED DATE DESCRIPTION

SHEET TITLE

Primary Layout

DRAWING NUMBER

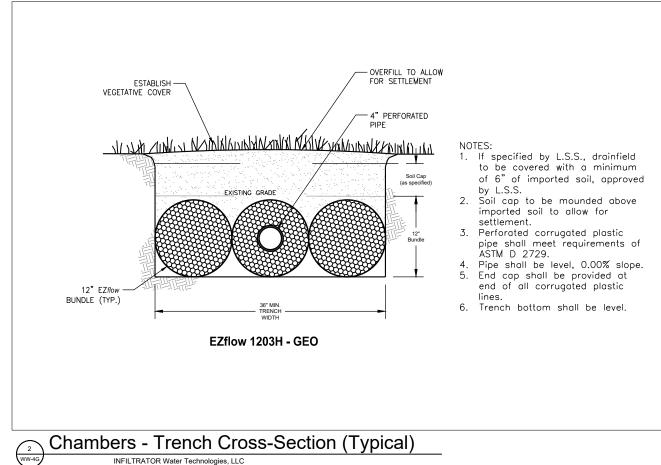
WW-3G



⊼ OUTLETS

SECTION VIEW

PLAN VIEW





- 1. Installation to follow all NC DHHS and Harnett County applicable rules and regulations.
- 2. Harnett County Health Department 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. Tanks to be set on 6" minimum gravel base. Use #5 or #57 stone for base.

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

1225 Crescent Green, Suite 250 919-859-0669 www.agriwaste.com **KB Home** Birchwood Trails - Lot 4 Project Location: 138 Rockhaven Drive, Fuquay Varina, NC 27526 Harnett County PIN: 0642-74-5525 Project Owner KB Home 1800 Perimeter Park Drive, STE 140 Morrisville, NC 27560 919-768-7960 enpollock@kbhome.com NC ONSITE WASTEWATER EVALUATOR SEAL LE WAS Number ALUAY - IN REV. ISSUED DATE DESCRIPTION SHEET TITLE Detail Sheet DRÁŴN BY: CREATED ON: H. Clapp REVISED BY: REVISED ON: RELEASED BY: RELEASED ON:

DRAWING NUMBER

3	Distribution	Во
WW-4G		

13"

4" INLET



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).

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PRODUCER Hartsfield & Nash Agency, Inc.		CONTACT NAME: Connie Garkalns	
10405 Ligon Mill Rd., Ste H Wake Forest NC 27587		PHONE (A/C, No, Ext): 984-235-4273 FAX (A/C, No): 919-55	6-8758
		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		SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
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 GALLAN
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