

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

New Expansion Repair Relocation Relocation of Repair Area
Owner or Legal Representative Information:
Name: Four Corners of Charlotte LLC
Mailing address: 1612 Seattle Slew Court City: Waxhaw State: NC Zip: 28173
Phone: 704-713-2602
Authorized Onsite Wastewater Evaluator Information:
Name: Larry Thompson, LSS Certification #: 10016E
Mailing address: PO Box 541 City: Midland State: NC Zip: 28107
Phone: 704-301-4881 Email: larry@thompsonenv.com
Site Location Information: Mintow Circle Lincolnton, NC 28002
Site address: Mintew Circle, Lincolnton, NC 28092
Tax parcel identification number or subdivision lot, block number of property: PID: 75043
Lot 31 - Lincoln Greens County: Lincoln
System Informations
System Information: Wastewater System Type: Type IIb - Gravity Flow Accepted
Daily Design Flow: 360
Saprolite System:Yes XNo Subsurface Operator Required:Yes XNo
Water Supply Type: X Private Well Public Water Supply Spring Other:
Facility Type:
X Residential 3 # Bedrooms 6 Maximum # of Occupants
Business Type of Business and Basis for Flow:
Public Assembly Type of Public Assembly and Basis for Flow:
Required Attachments:
 X Plat or Site Plan X Evaluation of Soil and Site Features by Licensed Soil Scientist
401 1 2004
Attest: On this the 16th day of March, 2024 by signature below I hereby attest that the information required to be included with this NOI to Construct is accurate and complete to the best of my knowledge. Furthermore, I hereby attest that I
have adhered to the laws and rules governing onsite wastewater systems in the state of North Carolina.
This NOI shall expire on 16th day of March, 2029.
Signature of Authorized Onsite Wastewater Evaluator:
Signature of Owner or Legal Representative: ramon gonzalez (Mar 16, 2024 15/48 EDT)
Disclosure: The owner may apply for a building permit for the project upon submitting a complete NOI to Construct and the fee
required (if any) to the local health department. An onsite wastewater system authorized by an authorized onsite wastewater evaluator shall be transferable to a new owner with the consent of the authorized onsite wastewater evaluator.
Local Health Department Receipt Acknowledgement:
Signature of Local Health Department Representative:



Lincoln County Environmental Health

115 W. Main Street Lincolnton, NC 28092 HONE: 704-736-8426

PHONE: 704-736-8426 FAX: 704-736-8427



DOCUMENTATION TO AUTHORIZE AN OWNER'S LEGAL REPRESENTATIVE

Applications for permits require the "signature of the owner or owner's legal representative" (15A NCAC 18A .1937). If the owner does not sign the application himself or herself, they can submit any one of the following documents to designate their legal representative:

- 1. Power of Attorney
- 2. Real Estate Contract
- 3. Estate executor
- 4. Bankruptcy trustee
- 5. Court ordered guardianship

In the absence of the above documentation, the property owner may provide the local health department with documentation that designates a legal representative. A property owner may:

- 1. Complete this form to document his or her legal representative, or
- 2. Provide his or her own form that contains the information in this form.

If there are multiple property owners, then all property owners must sign the form that designates a legal representative.

By signing a form that designates a legal representative for purposes of 15A NCAC 18A .1937, the property owner authorizes that representative to act on their behalf in matters pertaining to the application and permitting process, including signing or receiving any application, document or permit. The owner retains full responsibility to meet all permit conditions specified by the local health department.

Four Corners of Charlo	tte LLC, ar	n the legal owner(s) of th	e property located	
at Lot 31 - Lincoln Greens	s, Mintew Circle, Linco	olnton, NC 28092	, identified as	
PIN (Parcel Identification Nun	nber)75043	lo	cated in Lincoln Cou	inty, North
Carolina.				
I do hereby authorize (print le	gal representative/comp	pany name) Larry Tho	mpson, LSS	
Thompson Environmenta	Consulting, to act as	an agent on my behalf in	applying for/signin	g/obtaining ar
of the documents described b	elow.			
- Application for I	mprovement Permit (IP)	/ Authorization to Const	ruct (AC)	
	ermit (IP) / Authorization		ace (1.10)	
	oil-site evaluation (new,			
		vater well/well abandonr	nent	
		vater well/ well abandon	licit	
Application for the second for	Compliance Inspection			
I agree to abide by all decisio	ns and/or conditions bet	ween the legal represent	ative acting on my b	oehalf and the
Lincoln County Department of	f Public Health, Environr	mental Health Division.		
amon gonzalez	Mar 6, 2024	Gela Thompson (Mar 6, 2024 18:10 EST)	Mar 6, 2024	
Signature of Owner(s)	Date	Signature of	Witness	Date





CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY) 9/20/2023

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

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Hig	ginbotham Insurance Agency, Inc.				PHONE 0407707000 FAX 047 000 0004									
	W. 13th Street				PHONE (A/C, No, Ext): 9187797880 FAX (A/C, No): 817-882-9284 E-MAIL ADDRESS: dlvjr@higginbotham.net									
For	t Worth TX 76102				ADDRE	ss: dlvjr@hig	ginbotham.ne	et						
						INS	SURER(S) AFFOR	DING COVERAGE			NAIC#			
				License#: 2081754	INSURE	RA: Mid-Con	tinent Casual	ty Company			23418			
INSU				THOMENV-01	INSURE	Rв: Hartford	Underwriters	Insurance Cor	npany		30104			
	empson Environmental Consulting, Box 541	Inc.			INSURE	R C :								
	land NC 28107-0541				INSURER D :									
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ΕX	CLUSIONS AND CONDITIONS OF SUCH	POLI	CIES.	LIMITS SHOWN MAY HAVE			PAID CLAIMS.				-,			
INSR LTR	TYPE OF INSURANCE	ADDL	SUBR	POLICY NUMBER		POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)		LIMIT	s				
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	V 02.10 1122							PREMISES (Ea or	,	\$ Exclu				
	Professional							MED EXP (Any or						
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	X POLICY PRO- JECT LOC							PRODUCTS - CO	MP/OP AGG					
	OTHER:							OOMBINED OING	LELIMIE	\$				
	AUTOMOBILE LIABILITY							COMBINED SING (Ea accident)	LE LIMIT	\$				
	ANY AUTO							BODILY INJURY	(Per person)	\$				
	OWNED SCHEDULED AUTOS				BODILY INJURY (Per accident)					\$				
	HIRED NON-OWNED AUTOS ONLY							PROPERTY DAM (Per accident)	AGE	\$				
	AUTOS ONLT							(i ei accident)		\$				
	UMBRELLA LIAB OCCUR							EACH OCCURRE	NCE	\$				
	EXCESS LIAB CLAIMS-MADE				AGGREGATE				IVOL	\$				
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١٠١	AND EMPLOYERS' LIABILITY Y / N			30VVLCINVVO173		10/17/2023	10/17/2024		<u> </u>					
	ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED?	N/A			E.L. EACH ACCIDENT					\$ 1,000				
	(Mandatory in NH) If yes, describe under							E.L. DISEASE - E.	A EMPLOYEE	\$ 1,000	,000			
	DESCRIPTION OF OPERATIONS below							E.L. DISEASE - P	OLICY LIMIT	\$1,000	,000			
DESC	RIPTION OF OPERATIONS / LOCATIONS / VEHIC	LES (A	CORD	101, Additional Remarks Schedu	le, may be	e attached if more	e space is require	ed)						
CERTIFICATE HOLDER						ELLATION								
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Residential Subsurface Wastewater Treatment and Disposal System AOWE Permit

for

Lot 31 – Lincoln Greens Mintew Circle Lincolnton, NC 28092

Tax Parcel Number: 75043 March 16, 2024

Prepared for:

Four Corners of Charlotte LLC 1612 Seattle Slew Court Waxhaw, NC 28173 704-713-2602

Prepared by:

Larry Thompson, REHS, LSS
Thompson Environmental Consulting, Inc.
PO Box 541
Midland, NC 28107-0541
Phone: 704, 201, 4881

Phone: 704-301-4881 Fax: 206-350-8895

larry @thompsonenv.com



Details

Four Corners of Charlotte LLC has contracted with Thompson Environmental Consulting, Inc. (TEC) to prepare an AOWE septic permit package for a 3-bedroom single-family residence to be constructed on Lot 31 – Lincoln Greens, Mintew Circle, Lincolnton, North Carolina (Lincoln County Parcel Number: 75043).

Based upon a soil and site evaluation performed by TEC, it was determined that a sufficient amount of "Provisionally Suitable" Group IV Soil is available for the initial installation and repair of a **Gravity-Flow Accepted System** for a 360 gallon-per-day residence at a 0.3 GPD/sq/ft long-term acceptance rate (LTAR). The property will be served by a private well.

This proposal is being submitted pursuant to and meets the requirements of G.S. 130A-336.2. (AOWE Permitting).

Location

From Lincolnton, take N. Grove Street to Reepsville Road. Stay straight on Reepsville Road, turn left onto Mintew Circle and keep left. Lot is located on the left at the Mintew Circle split.

References

Laws and Rules for Sewage Treatment and Disposal Systems, 15A NCAC 18E, Department of Environment and Natural Resources, Division of Environmental Health, On-Site Wastewater Section, January 1, 2024.

Accepted Wastewater System No. AWWS-2005-02-R6; North Carolina Department of Environment and Natural Resources, Division of Environmental Health, On-Site Wastewater Section, August 21, 2015.

Primary Investigator's Credentials

NC Registered Sanitarian No. 1208

NC Licensed Soil Scientist No. 1287

NC Authorized Onsite Wastewater Evaluator No. 10016E

SC Certified Professional Soil Classifier No. 111

NC Subsurface Septic System Operator No. 22199

NC Grade IV Wastewater System Installer No. 1762

NC Certified Wastewater System Inspector No. 17621

Plans and Specifications

A. Septic Tank

1. The septic tank shall be State approved, watertight, structurally sound, and 1,500 gallons in capacity (minimum).

- 2. The septic tank will be fitted with an approved effluent filter and riser for easy access and periodic maintenance.
- 3. It is the responsibility of the septic contractor to thoroughly inspect the septic tank prior to accepting delivery to assure that the tank has had time to properly cure and is free of cracks or other structural deficiencies.

B. Pipe, Fittings and Supply Line

- 1. All discharge piping, connectors, and supply lines should be made of SCH 40 PVC and fitted with pressure-rated couplings.
- 2. All joints must be properly "welded" utilizing the appropriate PVC cement for each application.

C. Distribution Method

- 1. Individual drainlines shall be evenly fed via a distribution box.
- 2. Distribution box shall be water tested for equal flow at the time of the final inspection.

D. Drainfield Installation

- 1. The drainfield has been previously laid out on-site utilizing metal stemmed flags. The property owner/builder should mark this area and isolate it as much as possible from construction traffic
- 2. Under <u>no</u> circumstances shall any construction take place within the drainfield area while the soil is in a wet condition.
- 3. The specified system is an accepted wastewater system, specifically the Infiltrator Quick 4 chamber system.
- 4. The drainfield addition consists of three (3) 3-foot wide by 100-foot long drainlines. Total drainline length for the complete system is 300 linear feet.
- 5. The maximum trench depth for this system shall be **25 inches**.
- 6. The laterals are to be installed on contour with the land, keeping the individual trench bottoms level from beginning to end.
- 7. The trenches should be left open for the final inspection by the system designer.

E. Final Landscaping

- 1. The final soil cover over the drainfield shall be a minimum of 6 inches deep.
- 2. The drainfield shall be shaped to shed rainwater and be free from low spots.
- 3. The drainfield area should be planted with grass as soon as possible to prevent erosion. The soil should be properly tilled, limed (if necessary) and fertilized prior to planting. After applying grass seed, the area should be heavily mulched with straw or other suitable material.

Maintenance

F. In General

- 1. The homeowner must maintain the drainfield area through periodic mowing. The drainfield must not be allowed to become overgrown.
- 2. The septic tank should be pumped every 4 years or when the solids within the septic tank reach an elevation equivalent to 25 percent of the tank's volume. In some situations, the tanks may need to be pumped more frequently. If using a garbage disposal, it is recommended that the homeowner has the septic and pump tanks cleaned out annually.
- 3. When cleaning the effluent filter, the filter should be removed, and the accumulated debris will be washed back into the septic tank not onto the lawn.
- 4. Any damp areas, leakages, or malfunctions in the drainfield area should be addressed immediately.
- 5. Divert gutter downspouts and surface water runoff away from the septic and pump tanks.

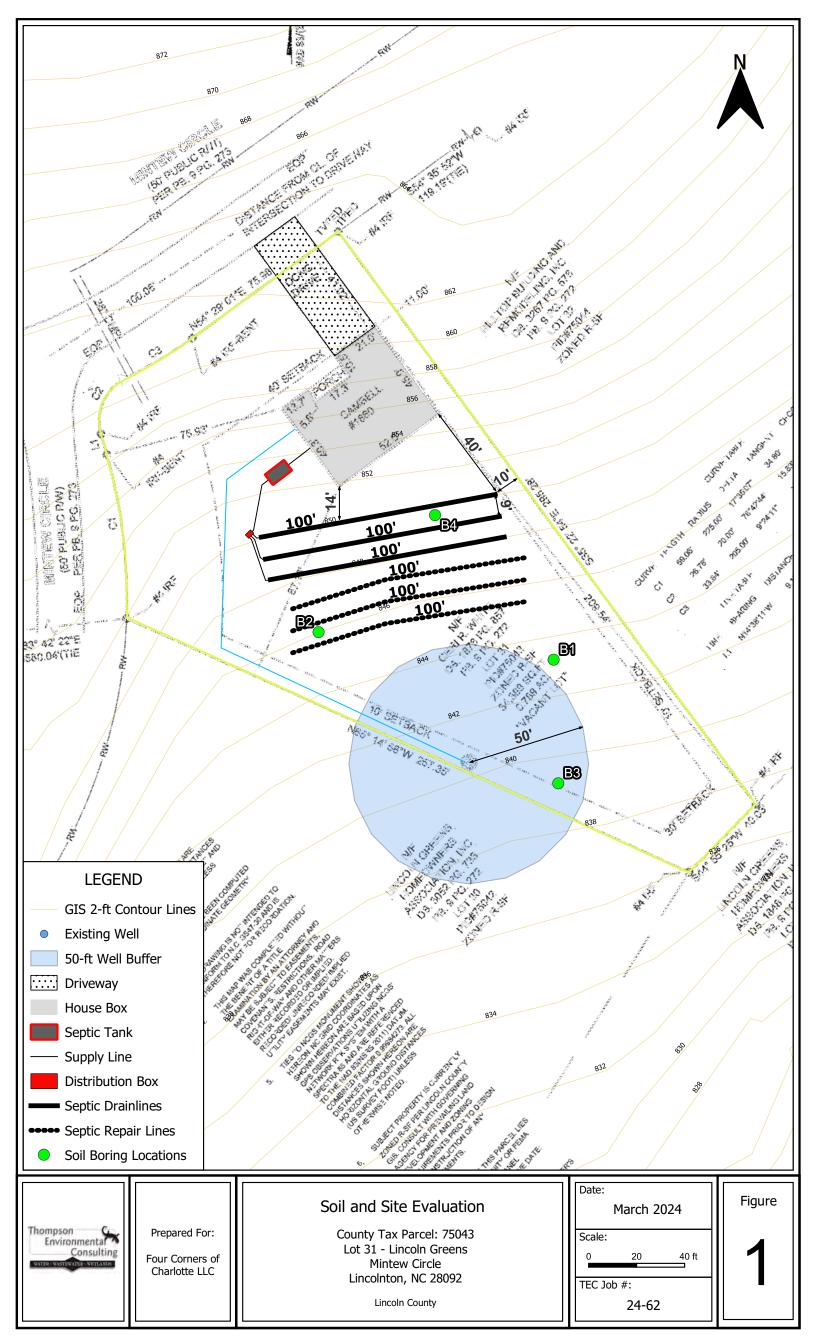
Design Specifics

Daily Design Flow:	360 GPD – 3 bedroom house
Septic Tank Size:	1,000 Gallons
Effluent Loading Rate:	0.3 GPD per sq. ft.
Drainfield Type:	Accepted (25% Reduction)
Distribution Method:	Distribution Box
Number of New Drainlines	(3) 3-ft Wide x 100-ft Long
Total Drainline Length:	300 Linear Feet
Maximum Trench Depth:	25 Inches
Required Soil Cover:	6 Inches
Repair Option	
Effluent Loading Rate:	0.3 GPD per sq. ft.
Drainfield Type:	Accepted (25% Reduction)
Required Drainline Length:	300 Linear Feet
Available Drainline Length:	300 Linear Feet

Lot 31 – Lincoln Greens

Maximum Trench Depth: 25 Inches

Required Soil Cover: 6 Inches



Thompson Environmental Consulting, Inc. PO Box 541 Midland, NC 28107

	Page of
PROPERTY ID#:	12013
COUNTY	Lincoln

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

P R O F			SOIL MO	RPHOLOGY	ОТНЕ	R PROFIL	E FACTO	ORS		
L E	.0502 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	.0503 STRUCTURE/ TEXTURE	.0503 CONSISTENCE/ MINERALOGY	.0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ	.0509 PROFILE CLASS & LTAR*	.0502(d) SLOPE CORRE CTION
1	.5	0.39	58K/C	FI/S/P/Se-1	104865	3911			0.225	35"
2	15	0.24 24-40r	SBK/SCC SBK/C	FI 10/50 40 M		40+			0.3	37"
3	43	0.8	(SL/SC SBC/SCC	FE/NS/Nº/NEXT	10 ¹ R6/2	15"			0,1	15"
4	15	7.6	SSU/SCL			46			1.3	1/3"

LEGEND

LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERA CONSIS	STRUCTURE	
CC (Concave slope)		S (Sand)		0.6 - 0.8		MOIST	WET	SG (Single grain)
CV (Convex Slope)	I	LS (Loamy sand)	0.8 - 1.2	0.5 -0.7	0.4 -0.6	Lo (Loose)	NS (Non-sticky)	M (Massive)
D (Drainage way)	11	SL (Sandy loam)	0.6 - 0.8	0.4 -0.6	0.3 - 0.4	VFR (Very friable)	SS (Slightly sticky)	GR (Granular)
FP (Flood plain)		L (Loam)		0.2 - 0.4		FR (Friable)	S (Sticky)	SBK (Subangular blocky)
FS (Foot slope)		SiL (Silt Ioam)		0.1 - 0.3		FI (Firm)	VS (Very sticky)	ABK (Angular blocky)
H (Head slope)		SCL (Sandy clay Ioam)		0.05 - 0.15**		VFI (Very firm)	NP (Non-plastic)	PR (Prismatic)
L (Linear Slope)	III	CL (Clay loam)	0.3 - 0.6		0.15 - 0.3	EFI (Extremely firm)	SP (Slightly plastic)	PL (Platy)
N (Nose slope)		SiCL (Silty clay loam)					P (Plastic)	
R (Ridge/summit)		Si (Silt)		None			VP (Very plastic)	
S (Shoulder slope)		SC (Sandy clay)				SEXP (Slightly	expansive)	
T (Terrace)	IV	SiC (Silty clay)	0.1 - 0.4		0.05 - 0.2	EXP (Exp	ansive)	
TS (Toe Slope)		C (Clay)						•
	•	O (Organic)	None					

^{*} Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

DEPTH OF FILL In inches from land surface RESTRICTIVE HORIZON Thickness and depth from land surface

SAPROLITE

S(suitable) or U(unsuitable); Evaluation of saprolite shall be by pits.

Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation SOIL WETNESS

CLASSIFICATION

ATION		S (S	uitab	ole) o Show	r U (prof	Unsu ile lo	itable c atio i	e) ns an	d oth	er sit	e feat	tures	(dim	ensio	ns, r	efere	nce o	r ben	chma	ırk, a	nd N	orth)	١.			
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NCDHHS/DPH/EHS/OSWP Revised January 2024

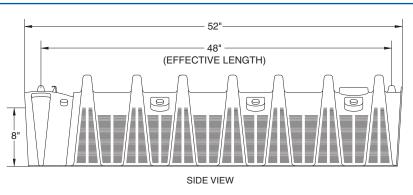
^{**}Sandy clay loam saprolite can only be used with advanced pretreatment in accordance with 15A NCAC 18E .1200.

**HORIZON DEPTH*

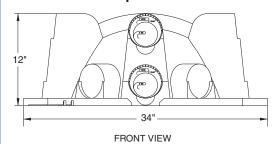
In inches below natural soil surface

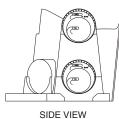


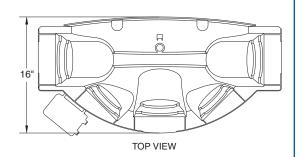
Quick4 Standard Chamber 12" 34" SECTION VIEW



MultiPort End Cap







Quick4 Standard Chamber Nominal Specifications

Size (W x L x H)	34" x 52" x 12"
Effective Length	48"
Invert Height	8"

MultiPort End Cap Nominal Specifications

Size (W x L x H)	34" x 16" x 12"
Invert Height	8" or 1.25"

INFILTRATOR SYSTEMS, INC. STANDARD LIMITED WARRANTY

(a) The structural integrity of each chamber, end plate, wedge and other accessory manufactured by Inflitrator ("Units"), when installed and operated in a leachfield of an onsite septic system in accordance with Inflitrator's instructions, is warranted to the original purchaser ("Holder") against defective materials and workmanship for one year from the date that the septic permit is issued for the septic system containing the Units; provided, however, that if a septic permit is not required by applicable law, the warranty period will begin upon the date that installation of the septic system commences. To exercise its warranty rights, Holder must notify Inflitrator in writing at its Corporate Headquarters in Old Saybrook, Connecticut within fifteen (15) days of the alleged defect. Infiltrator will supply replacement Units for Units determined by Inflitrator to be covered by this Limited Warranty. Infiltrator's liability specifically excludes the cost of removal and/or installation of the Units.

(b) THE LIMITED WARRANTY AND REMEDIES IN SUBPARAGRAPH (a) ARE EXCLUSIVE. THERE ARE NO OTHER WARRANTIES WITH RESPECT TO THE UNITS, INCLUDING NO IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

(c) This Limited Warranty shall be void if any part of the chamber system is manufactured by anyone other than Infiltrator. The Limited Warranty does not extend to incidental, consequential, special or indirect damages. Infiltrator shall not be liable for penalties or liquidated damages, including loss of production and profits, lablas, overhead costs, or other losses or expenses incurred the Holder or any third party. Specifically excluded from Limited Warranty coverage are damage to the Units due to ordinary wear and tear, alteration, accident, misuse, abuse or neglect of the Units being subjected to vehicle traffic or other conditions which are not permitted by the installation instructions; failure to maintain the minimum ground covers set forth in the installation instructions; the placement of improper straterials into the system containing the Units; failure of the Units or the septic system due to improper siting or improper siting, excessive water usage, improper grease disposal, or improper operation; or any other event not caused by Infiltrator. This Limited Warranty shall be void if the Holder fails to comply with all of the terms set forth in this Limited Warranty.

Further, in no event shall Infiltrator be responsible for any loss or damage to the Holder, the Units, or any third party resulting from installation or shipment, or from any product liability claims of Holder or any third party. For this Limited Warranty to apply, the Units must be installed in accordance with all site conditions required by state and local codes; all other applicable laws; and Infiltrator's installation instructions.

(d) No representative of Infiltrator has the authority to change or extend this Limited Warranty. No warranty applies to any party other than the original content of the c

The above represents the Standard Limited Warranty offered by Infiltrator. A limited number of states and counties have different warranty requirements. Any purchaser of Units should contact Infiltrator's Corporate Headquarters in Old Saybrook, Connecticut, prior to such purchase, to obtain a copy of the applicable warranty, and should carefully read that warranty prior to the purchase of Units.



Environmental Onsite Wastewater Solutions[™]

6 Business Park Road • P.O. Box 768 Old Saybrook, CT 06475 860-577-7000 • FAX 860-577-7001

800-221-4436

