

Arkansas Department of Health

Environmental Health Protection

MAY 0 8 2024

Receipt Number 24732214

Individual Onalta V	Vtoto-	Suntam D	omoit A	nnlinati	ion		_		For Oakadala for	04			. 1
Individual Onsite V	vastewater	System Po	emit A	ppiicau	ion				Fee Schedule for	Structu	res		4
Permit Type	7	New Insta	llation			- 1	Structures 1500 sq ft or less \$30.00 Structures more than 1500 sq ft and up to 2000 sq ft \$45.00						
		Alteration	/ Repair	r		1			than 2000 sq ft and uj			\$ 90.00	
	_					- 1			than 3000 sq ft and u			\$120.00	
DR Environmental ID	#			_		1			than 4000 sq ft	3 10 400	0 34 11	\$150.00	
A D H 1 4	1 1	4 5	6 8	3		1		and Re	·			\$ 30.00	= =
		500	iones v			7 2 4 3 1			A WARRIE AND THE PART OF THE P	o de l'acceptore	O Manager (A)		
Part 1 Application 7 STD = Standard Septi		atment Type				[7] STD = S	tanc	lard Ab	Disposal Metho sorption Field [CK ONE) = Low Pressure	Distributio	n
☐ ISF = Intermittent San ☐ PMF = Proprietary Me ☐ OTH = Other (Describ	d Filter C	RSF = Re-cir RGF = Re-cir HLD = Holdin	culating S culating G	and Filter		SUR = S CPF = C OTH = C	urfa app	ice Disc ing Fill	charge [[[☐ HLD ☐ SRL ☐ DRP	= Holding Tank = Serial Distribu = Drip Irrigation	rtion	***
 Owner's/Applicant' Daniel Garver 	s Name								2. Phone Numbe (501) 672-609				
3. Mailing Address									4. County				
37 Summerwoo	d Cove, Be	nton, AR 72	2019		Far moral and		4 4	las allas	Saline				
5. Address of Propos Next to 500 Gle					ie, at	tach detaile	a a	irection	ns or map)				
6. Subdivision Name		, Alexande		7. Appr	oval	Date	Т	8. Da	te Recorded		9. Lot Numb	per	
Glennwood Esta				198		7707-		-	989		6		
10. Lot Dimensions				11. Tota	al Are	ea (Acres)	7		Bedrooms # Peop	ole	13. Daily Flo	ow (GPD)	(4
643' x 425' x 71				9.30				3			370		
14. Brief Legal Descri Sectio 10, Town	ption of Prop	erty (Attach a	a separat	te sheet	of pa	aper, if nece	essa	ary)					
15. Water Supply (Sp				Saille		16. GPS (Coo	rdinate	es				
Water Users LL		, , dono 1.				34.6521	9,-9	92.490	003 34	.6522	7,-92.49000		
17. Loading Rates	(gpd/ft²)	18. Syster	n Specifi	cations						T		9	
Primary Area	0.75	a. Size of S	Septic Ta	ink	1000	0	gal	f.	Trench Depth	18		inches	
Secondary Area	0.75	b. Size of I	Dose Tar	nk	n/a		gal	g.	Trench Spacing	10		feet	
Percolation Test	(min/in)	c. Absorpti	on Area		494		ft²	h.	Trench Media (Lis				h Width
Primary Area Avg	n/a	d. Number	of Field		3			_	EZ Flow 1201,	EQ-2	4 Cham.	18	in
Secondary Area	n/a	e. Length	of Field L	ines	90		ft		Rock & Pipe			24	in
utilize the design	changed af proval for op d and install re are except ized agent m ation hat item 12, t	ter approval peration does ed according tions or devia ust revalidate the number o	of this not cor to the A ations no e a perm	permit, nstitute a Arkansas oted in th it more to ms (num	or if a guar s Deporture con han of this	re information arantee that partment of ments. A cone (1) year of persons for permit applications.	t the He Perok	e systemath, Fermit for prior comme ion, is	em will function processes and Regulation is to construction is to construction is to construction is to construction is to construction.	operly. ons Por valid for constru	The approvertaining to Or one (1) year ction. of the structud the permit a	ral states ral states ral states ral states ral states rate wi	that the stewater date of
Owner/Applicant Sig	nature	Opt. A							Date		09/2024		
20. I certify that I had Arkansas Depar	ave conducte trnent of Hea	d the above alth Rules and	tests and d Regula	that the	abo rtaini	ve listed infi ing to Onsit	om e W	nation i	is in accordance wi ater Systems.	th the	atest requirer	nents of t	ne
RE	A. S.			Designa	ited F	Representat	tive		Title		Soil Certified	☑ Yes	□ No
	nated Represe	ntative Signatu	ire				٠.	140100	Title	_	01-821-383	7	
Kyle A. Gastor		rint Name					04	/19/20	Date Date			e Number	
Health Rules and	Ith Authority and specifica d Regulations	tions in the s	To Onsite	on has be e Wastev	een rewater	eviewed and Systems.	d fo	13°	meet the requirem T FOR CONSTRUC	nents o	f the Arkansa is hereby issi	3/2	nent of

Individual Onsite Wastewater System Permit Application

Receipt Number		

Cor	atir	1116	Pa	rf	

a. Bedrock	b. BSV	VT	c. MSWT	d. LSWT	e. Adj. MSWT	f. Adj. LSWT	g. H.C./Depth	h. Loading Rate (gpd/ft²)
44"	21"		32"	Not Obsv	29"	n/a	Mod/44"	0.75 (10' Centers)
23. Soil Crite	ria (Seco	ndary	Area)	Indicate the de	pth to items a-f, if o	bserved in the soi	(designate inches)	
a. Bedrock	b. BSV	VT	c. MSWT	d. LSWT	e. Adj. MSWT	f. Adj. LSWT	g. H.C./Depth	h. Loading Rate (gpd/ft²)
46"	22"		32"	Not Obsv	29"	n/a	Mod/46"	0.75 (10' Centers)
24. Seasona	al Water 7	able (SWT) Classes	Detail			-	
Prima	ry Area			List Redoximorphic Features and/or Clay Content Restrictions				ns
Brief		in	Depletions	Depletions noted on 20% or less of ped surface or interior. Depletion chroma >= chroma 3.				>= chroma 3.
Moderate		in	Depletions	Depletions noted on less than 50% of ped surface or interior. Depletion <= chroma 2.				roma 2.
Long		in	Not Observ	Not Observed				
Second	lary Area			List Redoximorphic Features and/or Clay Content Restrictions				ns
Brief		in	Depletions noted on 20% or less of ped surface or interior. Depletion chroma >= chroma 3.					
Moderate		in		Depletions noted on less than 50% of ped surface or interior. Depletion <= chroma 2.				
Long		in	Not Observed					
Comments		One appi	Call before i	nstallation. Insta lidation fee may	all in dry condition be required. Per	ns. If system is no mit may become	ot installed within void, if a disposa	a year of the date I site has been altered.

Part 2 Installation Inspection

Septic tank manufacturer	Pump information	
Septic tank material	Trench media and width	
Dose tank manufacturer	Depth of interceptor drain	
Dose tank material	Depth of settled fill	
Name of Installer		License Number
Indellation Investigation		
Installation Inspected by Environmental Health Specialist (check one or installer signs System Installation Verification below)	□ Designated Representative	
Signature	EHS / License Number	Date
System Installation Verification I have installed this system as designed and in compliance with all Rule	es and Regulations Pertaining to Onsite W	

Part 3 Permit for Operation			
The information contained in Part 1 ar	nd 2 of this form has been reviewed and foun	d to meet the requirements of the	Arkansas Department of
Health. THE PERMIT FOR OPERATI	ON of this system is hereby issued.		The state of the s
	,		
Environmental Health Specialist			
	Signature	EHS Number	Date
Comments	3.031411-0003	A CONTRACTOR OF THE PROPERTY O	
Site Revalidation conducted by	 Environmental Health Specialist 	Designated Repr	esentative
(check one)		5 5	
Signature		EHS / License Number	Date

* Optional System Utilization Verification Form



Arkansas Department of Health Environmental Health Protection

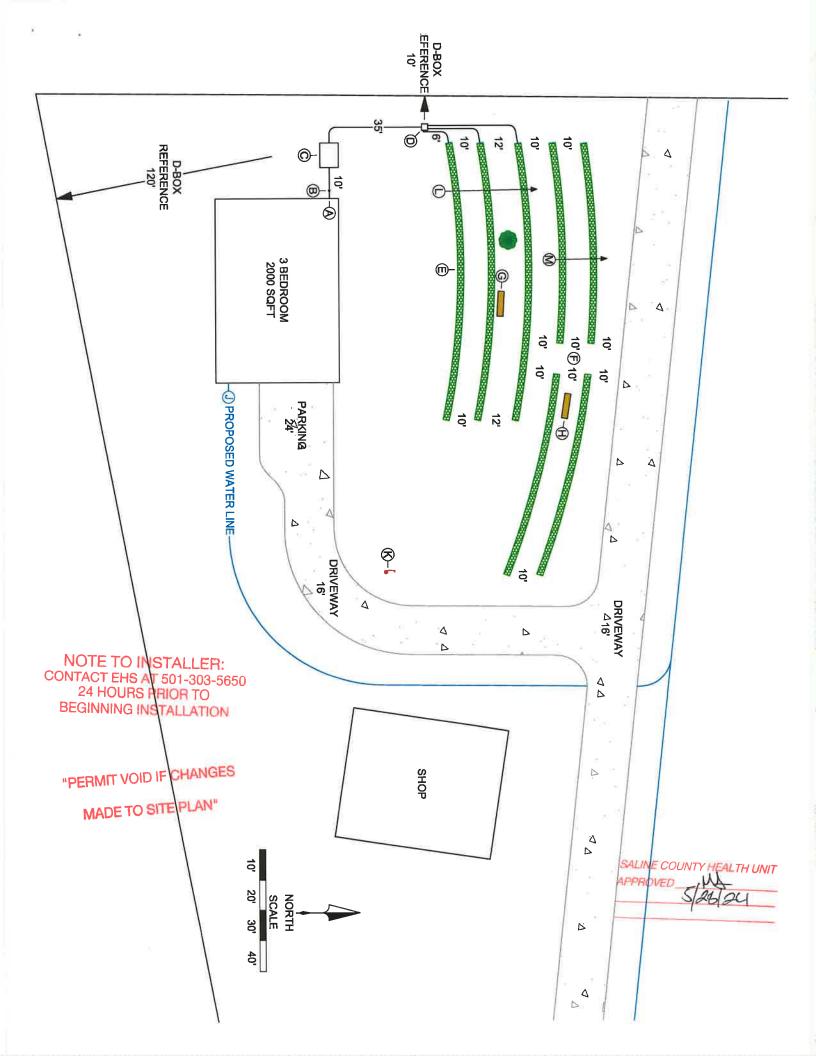
Receipt Number		

Individual Onsite Waster	water System Permit Application	Fee Schedule for Structures	4			
Permit Type	New Installation Alteration / Repair	Structures 1500 sq ft or less \$ 30.00 Structures more than 1500 sq ft and up to 2000 sq ft \$ 45.00 Structures more than 2000 sq ft and up to 3000 sq ft				
DR Environmental ID #	. 1 4 5 6 8	\$ 90.00 Structures more than 3000 sq ft and up to 4000 sq ft \$120.00 Structures more than 4000 sq ft \$150.00 Alteration and Repair				
Homeowner \$ 30.00						
☐ Builder/Developer						
TO THE PROPERT	Y OWNER					
Onsite Wastewater	System Utilization Verificat	ion				
Property location:	Vext to 500 Glenn His (Address of Proposed	ill Drive, Alexander, AR 72 System, City, State, Zip)	2002			
I hereby attest there are <u>S</u> bedrooms (<u>number of persons for commercial</u>) and the square footage of the structure that will utilize the designed onsite wastewater system in this permit application is accurate. I have reviewed the permit application and understand the layout, installation, maintenance, operation and expense(s) that may be associated with this system.						
As Developer/Builder, I hereby attest that the above information is correct and prior to the sale of the property, I will convey, to the buyer, all information associated with this system. Owner/Applicant Signature						
Date _ Pq APG	709/2024	ingtion if the Owner/Applicant Signature S	instin-			

This document must be submitted with the permit application, if the Owner/Applicant Signature Section (number 19 on the EHP-19) is not signed.

EHP-19, OPT-A (R 8/13)

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References are found in the Arkansas State Board of Health Rules and Regulations Pertaining to Onsite Wastewater Systems Effective 12/1/2014.

LEGEND TO AutoCAD DRAWING

- A <u>Sewer stub out location.</u> Maximum depth of flow line from existing grade is 24" (*Reference Appendix F*). Show this drawing to your plumber.
- B <u>2-way clean out location.</u> Sewer popper required. Install clean out and sewer popper at or above grade. (*Reference 8.13*) Fall to inlet of septic tank can be no less than 1/8" per foot, and no more than '4" per foot (*Reference 4.1*).
- C <u>Septic tank location.</u> Risers to grade over inlet and outlet, minimum 18" diameter (*Reference 10.7.8*). Effluent filter required Orenco Filter FTS0436-28 (*Reference 10.7.6*). Bed and backfill septic tank with ¾" or smaller gravel (*Reference 10.4*). Septic tank must meet or exceed manufacturer requirements, 5000 psi, aged 28 days minimum (*Reference 10.7.3 10.7.5.1*).
- D <u>Distribution box location.</u> Tuff Tite 7-hole. Pipe seals and dial-a-flow levelers required. Bed and backfill distribution box with ¾" or smaller gravel (*Reference 8.10.4*).
- E Primary disposal site location. Install field lines on contour (Reference 8.10 8.14).
- F Secondary disposal site location.
- G Primary pit location.
- H Secondary pit location.
- Soil pit location, if applicable. Not used due to shallow seasonal water tables or contour issues.
- J <u>Proposed water line.</u> Water line must be installed 10' from any part of wastewater system (Reference 6.2.8).
- K Benchmark location.
- Primary disposal site slope. 16%
- M Secondary disposal site slope. 16%

PIPE SPECIFICAITONS

House stub out to septic tank inlet: 4" Schedule 40 pipe. Septic tank outlet to distribution box: 4" Schedule 40 pipe. Distribution box outlets to field lines: 4" SDR-35 solid pipe.

Trench Media: EZ Flow 1201, EQ-24 Chambers or Rock & Pipe (¼" - 1 ½" washed gravel & 4" SDR-35 perforated pipe)

TANK SPECIFICATION

Whitten 1000 Gallon Septic Tank

EFFLUENT STRENGTH

Biochemical oxygen demand < 300 mg/L Total suspended solids < 300 mg/L Fats, oil, and grease < 25 mg/L (Reference 9.41 and Appendix B, Footnotes)

Any changes or substitutions to the notes and specifications in this permit must be approved by the Designated Representative.



GROUND AND INSTALLED ELEVATIONS (feet & inches)

Component	Ground	Flow Line	Fall	
Stub Out	03-02"	05-02"	24"	
Inlet	03-02"	05-06"	4"	
Outlet	03-02"	05-09"	3"	
D-box	07-00"	07-08"	23"	
				Line Length
Line 1	07-10"	09-04"	18"	90'
Line 2	09-10"	11-04"	18"	90'
Line 3	10-06"	12-00"	18"	90'
Benchmark	08-00"	Base of Power Po	ole near Shop (See Drawing)

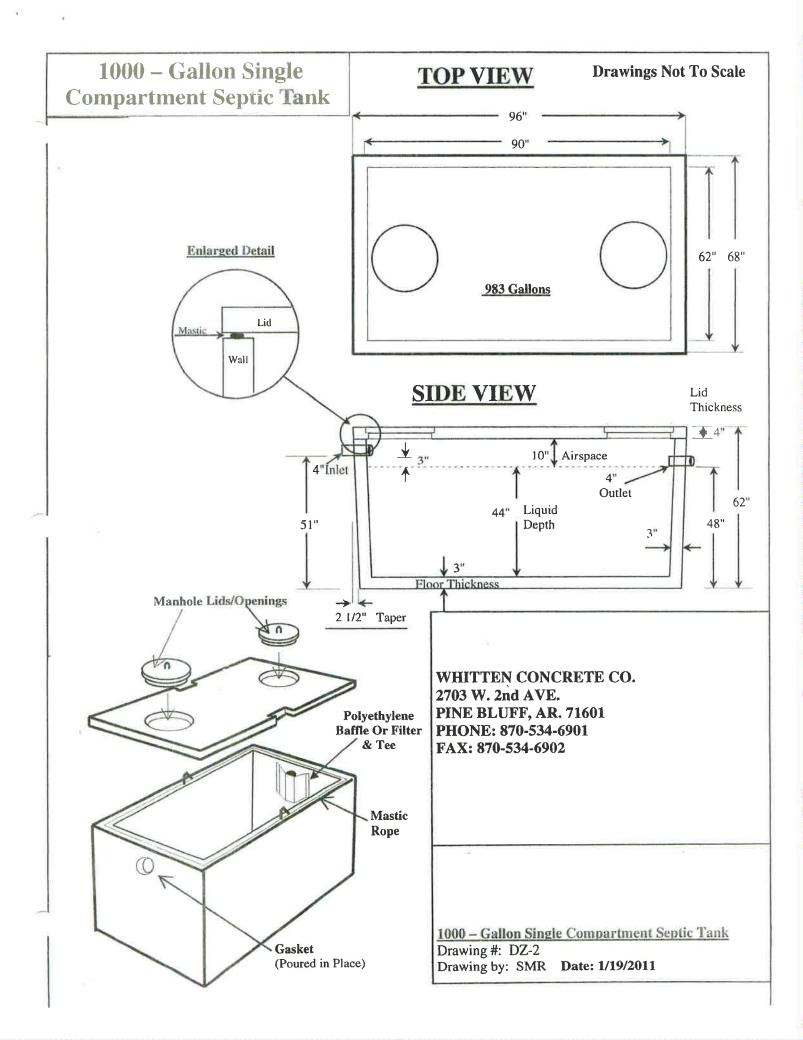
NOTES

One Call before installation. Install during dry conditions. Permit may become void, if a disposal site has been altered.

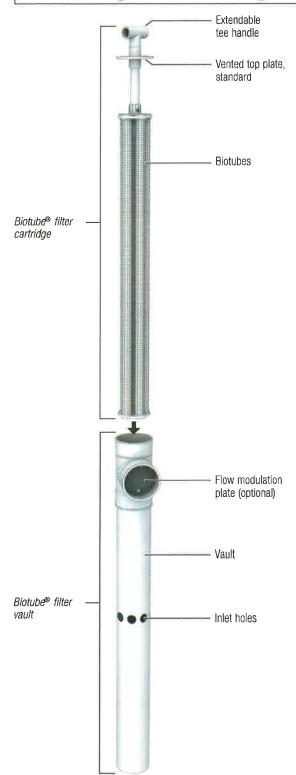
Maximum Storage on Sloping Ground.

Outlet flow line of D-box is at or above the ground elevation of the highest line of the absorption area.

Any changes or substitutions to the notes and specifications in this permit must be approved by the Designated Representative.



4-in. (100-mm) Biotube® Effluent Filters



Applications

Orenco® 4-inch Biotube® Effluent Filters are designed to remove solids from effluent leaving residential septic tanks. They can be used in new and existing tanks at flows of up to 1200 gpd.

General

Orenco 4-inch Biotube Effluent Filters (U.S. Patents No. 4,439,323 and 5,492,635) are used to improve the quality of effluent exiting a septic tank in a residential septic system. Increased effluent quality improves system performance and extends drainfield life.

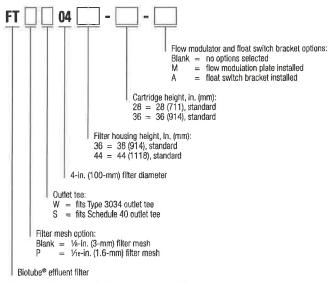
The Biotube cartridge fits tightly in the vault and is removable for maintenance. The tee handle can be extended for easy removal of the cartridge.

Standard Models

FTS0444-36, FTS0444-36M, FTW0436-28, FTW0436-28M FTW0444-36, FTW0444-36M

Product Code Diagram

FT 04 36 28

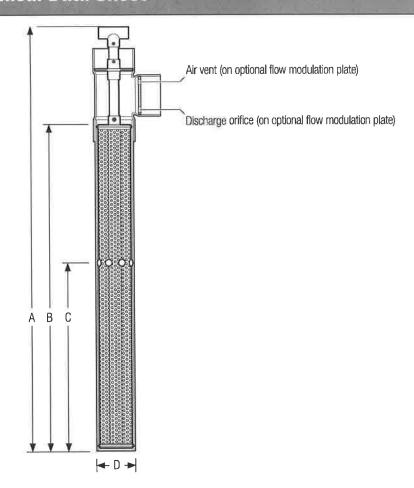


Materials of Construction

Vault	PVC		
Biotube® cartridge	Polypropylene and polyethylene		
Handle components	PVC, polyethylene, stainless steel		



Technical Data Sheet



Specifications

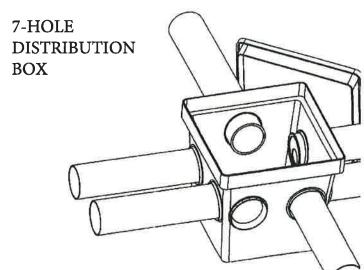
	ETCOAAA OC ETNIOAAA OC	ETC0426 20 ETW0426 20
Model	FTS0444-36, FTW0444-36	FTS0436-28, FTW0436-28
A - Vault height, in. (mm)	44,00 (1118)	36.00 (914)
B - Cartridge height, in. (mm)	36.00 (915)	28.00 (710)
C - Inlet hole height,* in. (mm)	21.25 (540)	19.25 (489)
D - Nominal diameter, in. (mm)	4.00 (100)	4.00 (100)
Number of inlet holes	8	8
Inlet hole diameter, in. (mm)	1.13 (29)	1.13 (29)
Discharge orifice diameter, in. (mm)	4.00 (100)	4.00 (100)
Discharge coupling diameter, in. (mm)	4.00 (100)	4.00 (100)
Filter surface area,† ft² (m²)	5.1 (0.50)	3.9 (0.40)
Flow area,** ft ² (m ²)	1.5 (0.15)	1.2 (0.12)
Flow Modulation Plate (Optional)		
Number of discharge orifices	2	
Discharge orifice diameter, in. (mm)	0.50 (12.7)	
Number of air vents	1	
Air vent diameter, in. (mm)	0.50 (13)	

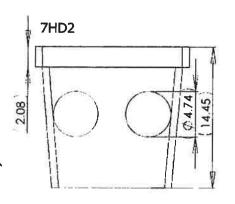
^{*} Inlet hole height can vary depending on the configuration of the tank. Optimum hole height is 70% of the minimum liquid level.

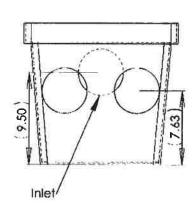
[†] Filter area is defined as the total surface area of all individual Biotubes® within the filter cartridge.

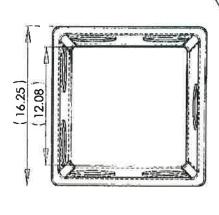
^{**} Flow area is defined as the total open area (or area of the mesh openings) of all the individual Biotubes within the filter cartridge.



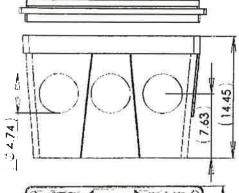


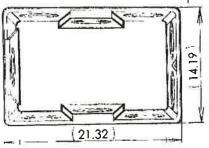




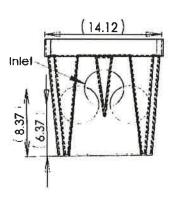


9HD2





Materials: Injection molded high density polyethylene plastic







The Quick4® Equalizer 24 Chamber



The Quick4® Equalizer 24 Chamber fits in a 18 wide trench and is ideal for curved or straight systems. It features the patent-pending Contour Swivel Connection which permits turns up to 15°, right or left. The MultiPort endcap allows multiple piping options and eliminates pipe fittings. The chamber four-foot length provides optimal installation flexibility.

Chamber Benefits:

- Advanced contouring connections swivel up to 15°, right or left
- Reinforced ribs provide increased structural capability and durability
- Compact nesting provides more trench length in an equivalent stack height
- · Four-foot chambers are easy to handle and install
- The Quick4 Equalizer 24 Chamber supports wheel loads of 16,000 lbs/axle with only 120 of cover
- Certified by the International Association of Plumbing and Mechanical Officials (IAPMO)



MultiPort Endcap Benefits:

- · Tear-out seals on inlet ports provide a tight fit to the pipe
- Six molded-in inlets/outlets allow for maximum piping flexibility
- Fits on either end of the Quick4 Equalizer 24 Chamber

APPROVED in _____



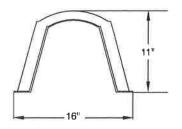
Quick4® Series

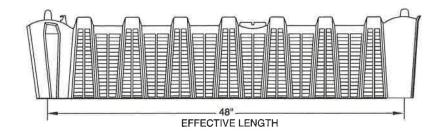
Because installations are faster with Quick4 chambers, you save on heavy equipment operation and labor.



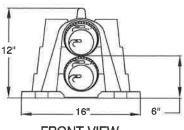
Quick4 Equalizer 24 Chamber

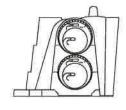


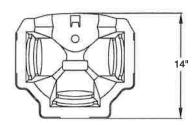




MultiPort EndCap





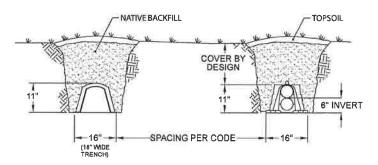


FRONT VIEW

SIDE VIEW

TOP VIEW

Typical Trench View



Quick4® Equalizer 24 Chamber Specifications					
Size	16DW x 53DL x 11DH (406 mm x 1346 mm x 279 mm)				
Effective Length	48" (1219 mm)				
Louver Height	9.10" (231 mm)				
Storage Capacity	21 gal (79 L)				
Invert Height	6" (152 mm)				



4 Business Park Road P.O. Box 768 Old Saybrook, CT 06475 860-577-7000 · Fax 860-577-7001 1-800-221-4436 www.infilitratorwater.com

INFILTRATOR WATER TECHNOLOGIES STANDARD LIMITED WARRANTY

(a) The structural integrity of each chamber, endcap and other accessory manufactured by Infiltrator ("Units"), when installed and operated in a leachfield of an onsite septic system in accordance with Infiltrator'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 Infiltrator 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 Infiltrator 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, labor and materials, overhead costs, or other losses or expenses incurred by 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; 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 materials into the system containing the Units; failure of the Units or the septic system due to improper siting or improper sizing, 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.

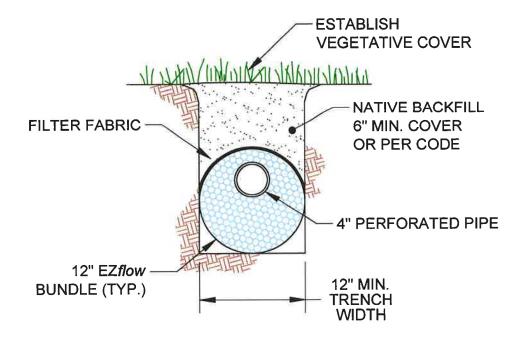
(d) No representative of Infiltrator has the authority to change or extend this Limited Warranty. No warranty applies to any party other than the original Holder.

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 Infiltratorts 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.

U.S. Patents: 4,759,661; 5.017,041; 5,156.488; 5.336.017; 5.401,116; 5.401,459; 5.511,903; 5.716,163; 5,588,778; 5,839,844 Canadian Patents: 1,329,959; 2,004,564 Other patents pending. Infiltrator, Equalizer, Quick4, and SideWinder are registered trademarks of Infiltrator Water Technologies. Infiltrator is a registered trademark in France. Infiltrator Water Technologies is a registered trademark in Mexico. Contour, MicroLeaching, PotyTuff, ChamberSpacer, MultiPort, PosiLock, QuickPut, OuickPtay, SnapLock and StraightLock are trademarks of Infiltrator Water Technologies. PolyLok is a trademark of PolyLok, Inc. TUF-TITE is a registered trademark of TUF-TITE, INC, Ultra-Rib is a trademark of IPEX Inc.

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EZflow 1201P - GEO



NOTE: PRODUCT CONFIGURATION AND INSTALLATION DEPTH MUST COMPLY WITH APPLICABLE REGULATORY REQUIREMENTS.

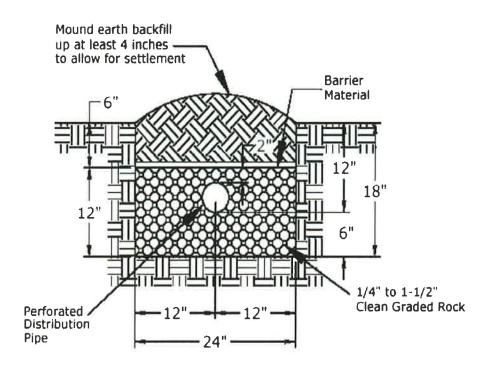


INFILTRATOR SYSTEMS INC. 4 Business Park Rd. Old Saybrook, CT 06475 (800) 221-4436

EZflow 1201P - GEO

Drawn by: EMB			Dele:	08/07/2013
Scala: NOT TO SCALE	Checked by:	DFH	Sheet	1 of 1

fig. 9
Lateral Line Trench Detail



18" Trench Depth

bing maps

Α	Saline County Health Department		
В	500 Glenn Hill Dr, Alexander, AR 72002-8583, United States		

21 min , 11.8 miles Light traffic Via I-30 E, Springhill Rd · Unpaved roads

0.6 mi

2.1 mi

	Saline	e Cou	nty Health Department	
	↑	1.	Head west on AR-35 / Edison Ave toward S Cox St	2.2 mi
	5	2.	Take the ramp for AR-5 / Interstate 30 S and head toward Little Rock	0.4 mi
-	30	3.	Take the ramp on the left and follow signs for US-67 North / I-30 East / US-70 East	3.2 mi
	1	4	At Exit 121, head right on the ramp for Interstate 30 S toward Alcoa	-1.3 mi

 \rightarrow 1.0 mi Turn right onto Hilltop Rd 7. 4 Turn left onto Lombard Rd 0.7 mi 8. Turn right onto Glenn Hill Dr 0.4 mi \rightarrow 9. • Unpaved Road

Arrive at Glenn Hill Dr

4.

6.

 \rightarrow

4

Rd

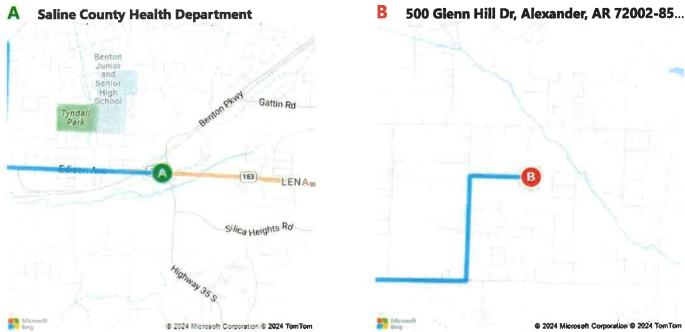
10. The last intersection before your destination is Hooks Cove

Turn right onto Springhill Road Crossover

B 500 Glenn Hill Dr, Alexander, AR 72002-8583, United States

Turn left onto Springhill Rd





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