Mitchell Environmental, P.A.

SEPTIC SYSTEM DESIGN

for

MAGNOLIA ACRES SUBDIVISION- LOT 53

Fuquay-Varina, Harnett County, North Carolina

Submitted to:

Harnett County Health Department 307 Cornelius Harnett Blvd. Lillington, NC 27546

Prepared for:

HHHunt Homes 1 Fenton Main Street Suite 280 Cary, North Carolina 27511

Prepared by:

Adam Aycock, El

DATE: June 5, 2025 PROJECT NO.: 1823

1501 Lakestone Village Lane, Suite 205 Fuquay-Varina, North Carolina 27526 919-669-0329



Harnett County GIS

PID: 050633 0112 75 PIN: 0633-04-7696.000 Account Number: 1500061907 **Owner: HHHUNT LOT ACQUISTIONS LLC** Mailing Address: 11237 NUCKOLS RD GLEN ALLEN, VA 23059-5502 Physical Address: MAGNOLIA ACRES LN FUQUAY-VARINA, NC 27526 ac Description: LOT#53 MAGNOLIA ACRES S/D MAP#2023-591 Surveyed/Deeded Acreage: 0.81 Calculated Acreage: 0.81 Deed Date: Deed Book/Page: 4223 - 0821 Plat(Survey) Book/Page: 2023 - 591 Last Sale: 2024 - 2 Sale Price: \$3349500 Qualified Code: A Vacant or Improved: V Transfer of Split: ⊺ Actual Year Built: Heated Area : SqFt Building Count : 0

Building Value: \$0 Parcel Outbuilding Value: \$0 Parcel Land Value: 27410 Market Value: \$27410 Deferred Value: \$0 Total Assessed Value: \$27410 Zoning: RA-30 - 0.81 acres (100.0%) Zoning Jurisdiction: Harnett County Wetlands: No FEMA Flood: Minimal Flood Risk Within 1mi of Agriculture District: Yes Elementary School: Northwest Harnett Elementary Middle School: Harnett Central Middle High School: Harnett Central High Fire Department: Northwest Harnett EMS Department: Medic 14 Law Enforcement: Harnett County Sheriff Voter Precinct: Northwest Harnett County Commissioner : Duncan Edward Jaggers School Board Member: John Hairr



PRESSURE MANIFOLD DESIGN

Name: <u>HH</u>	<u>Hunt Homes</u>			P.I.N. #:	0633-04-7696		D #:	N/A	
Address: Mag	nolia Acres L	ane		Subdiv:	Magnolia Acres		Lot#:	<u>53</u>	
# of BDR:	<u>4</u>	Daily Flow:	<u>480</u>	gal/day	L.T.A.R.:	<u>0.300</u>	gal/day/sq.ft		
Septic Tank:	<u>1000</u>	gals (min.)	Pump Tank:	<u>1000</u>	gals (min.)	Sq. Foot:	<u>1200</u>	Stone Depth:	<u>N/A</u> (EZ Flow)
Number of Taps:		<u>5</u>	Length of	Trenches	<u>80</u>	ft(See Tap	Chart for Det	ails)	
Depth of Trenche	s:	<u>see Harnett C</u>	ounty permit	м	anifold Length:	<u>48</u>	in		
Manifold Diamete	er:	4 in sch 80pvc	(minimum)	Tap Conf	iguration: 6 in s	pacing	<u>1</u>	side(s) of mar	nifold
Supply Line: leng	th:	<u>205</u>	ft		Diameter:	<u>2</u>	in sch 40pvc		
Friction Loss + Fi	itting Loss:		<u>4.86</u>	ft(supply	line length + 70'	for fitting	s in pump tanl	<)	
Design Head:		<u>2.0</u>	ft	Elevation	Head:	<u>9.19</u>	ft		
Vent Hole Size:		<u>3/16</u>	in	Orifice Co	pefficient of Disc	charge:	0.60		
Orifice Coefficien	t of Contract	tion:	0.62	Orifice Co	pefficient of Velo	ocity:	<u>0.97</u>		
Maximum Head S	upplied by S	elected Pump	s) at Total De	esign Flow	vrate:		<u>26</u>	ft	
Orifice / Vent Hole	e Flowrate:		<u>2.11</u>	gpm	Head Loss at C	Orifice / Ve	nt Hole:	<u>1.65</u>	ft
Total Head:	<u>17.70</u>	ft		Р	ump to Deliver:	<u>29.51</u>	gals/min at	<u>17.70</u>	ft head
Dosing Volume:		<u>171.60</u>	gals.						
Drawdown:	171.60	gals divided b	у	<u>18</u>	gals/in =	<u>9.53</u>	inches		
•··				-					

 SJE Rhombus Installer Friendly Series simplex control panel, or equivalent, required

 A septic tank filter,
 or equal is required.

 Possible pumps:
 Hydromatic:
 Goulds:
 Myers:

 Zoeller:
 152
 Other:

TAP CHART

Bench Mark	12.48	is = 100.00	set at	Corne	r nearest bottom Ye	llow line	Design Head:	2.0	
Pump tank elev.		11.5	100.98	Pump elev.	95.98		Manifold elev.	105.17	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
5	Blue	8.31	104.17	80	1/2in SCH 80	5.48	96.00	240	0.4000
6	White	9.26	103.22	80	1/2in SCH 80	5.48	96.00	240	0.4000
7	Pink	10.14	102.34	80	1/2in SCH 80	5.48	96.00	240	0.4000
8	Yellow	11.24	101.24	80	1/2in SCH 80	5.48	96.00	240	0.4000
9	nf	12.36	100.12	80	1/2in SCH 80	5.48	96.00	240	0.4000
		total	feet =	400	gal/min =	27.4		LTAR =	0.3000
% of Pipe Vol.		66		Des. Flow	480.00			(Itar + 5%)	0.3150
Dose Volume		171.60		Pump Run=	17.52			(Itar W/ Innov.)	0.4000
Dose Pump Time	•	6.26		Tank Gal/IN	18			(Itar + 5%)	0.4200
Drawdown in Inc	hes	9.53		Elev. Head	9.19				
Supply Line Leng Comments:	yth	205							

PRESSURE MANIFOLD DESIGN

Name: <u>H⊦</u>	Hunt Homes			P.I.N. #:	0633-04-7696		D #:	N/A	
Address: Ma	ignolia Acres I	ane		Subdiv:	Magnolia Acres		Lot#:	<u>53</u>	
# of BDR:	<u>4</u>	Daily Flow:	<u>480</u>	gal/day	L.T.A.R.:	<u>0.275</u>	gal/day/sq.ft		
Septic Tank:	<u>1000</u>	gals (min.)	Pump Tank:	<u>1000</u>	gals (min.)	Sq. Foot:	<u>876</u>	Stone Depth:	<u>N/A</u> (Horizontal
Number of Taps	:	<u>4</u>	Length of	Trenches	: <u>73</u>	ft(See Tap	o Chart for Det	ails)	Panel Block
Depth of Trench	es:	<u>see Harnett (</u>	County permit	M	lanifold Length:	<u>42</u>	in		<u>DIOCK)</u>
Manifold Diamet	er:	4 in sch 80pvc	(minimum)	Tap Conf	iguration: 6 in s	pacing	<u>1</u>	side(s) of mar	nifold
Supply Line: len	gth:	<u>130</u>	ft		Diameter:	<u>2</u>	in sch 40pvc		
Friction Loss + I	Fitting Loss:		<u>2.34</u>	ft(supply	line length + 70	for fitting	s in pump tanl	()	
Design Head:		<u>2.0</u>	ft	Elevation	Head:	<u>12.48</u>	ft		
Vent Hole Size:		<u>3/16</u>	in	Orifice C	oefficient of Disc	charge:	<u>0.60</u>		
Orifice Coefficie	nt of Contrac	tion:	0.62	Orifice C	oefficient of Velo	ocity:	<u>0.97</u>		
Maximum Head	Supplied by S	Selected Pump	(s) at Total De	esign Flow	vrate:		<u>28</u>	ft	
Orifice / Vent Ho	le Flowrate:		<u>2.19</u>	gpm	Head Loss at C	Orifice / Ve	nt Hole:	<u>1.78</u>	ft
Total Head:	<u>18.59</u>	ft		P	ump to Deliver:	<u>24.11</u>	gals/min at	<u>18.59</u>	ft head
Dosing Volume:		<u>275.21</u>	gals.						
Drawdown:	275.21	_gals divided b	у	<u>18</u>	gals/in =	<u>15.29</u>	inches		
S.IF Rhombus Ir	staller Friend	llv Series simr	lex control n	anel or eq	uivalent require	he			

SJE Rhombus Installer Friendly Series simplex control panel, or equivalent, requiredA septic tank filter,or equal is required.Possible pumps:Hydromatic:Goulds:Myers:Zoeller:140Other:

TAP CHART

Bench Mark	12.48	is = 100.00	set at	Corne	r nearest bottom Ye	llow line	Design Head:	2.0	
Pump tank elev.		11.5	100.98	Pump elev.	95.98		Manifold elev.	108.46	
line	color	rod read	Elevation	length	hole size	flow/tap	gal/day	trench area	LINE LTAR
1	nf	5.02	107.46	73	1/2in SCH 80	5.48	120.00	219	0.5479
2	White	5.40	107.08	73	1/2in SCH 80	5.48	120.00	219	0.5479
3	Pink	5.72	106.76	73	1/2in SCH 80	5.48	120.00	219	0.5479
4	Orange	6.48	106.00	73	1/2in SCH 80	5.48	120.00	219	0.5479
		total	feet =	292	gal/min =	21.9		LTAR =	0.2750
% of Pipe Vol.		145		Des. Flow	480.00			(Itar + 5%)	0.2888
Dose Volume		275.21		Pump Run=	21.90			(Itar W/ HPB)	0.5500
Dose Pump Time	•	12.56		Tank Gal/IN	18			(Itar + 5%)	0.5775
Drawdown in Inc	hes	15.29		Elev. Head	12.48				

 Supply Line Length
 130

 Comments:
 All Lines require 17 panels, totaling 68 panels for the system.





PL-68 Filter and Tee

PL-68 is much more than just an effluent filter. The housing can also be used as an inlet baffle (tee) or an outlet baffle. The housing is designed to accept Polylok's snap in gas deflector to deflect gas bubbles away from the tee and to keep the solids in the tank.

Features:

- Offers 68 linear feet of 1/16" filter slots, which significantly extends time between cleaning.
- Accepts 3/4" PVC handle.
- Locks in any 360° position when used with PL-68 Tee.
- PL-68 Housing can be used as an inlet or outlet tee.
- Gasket prevents bypass.

PL-68 Installation:

Ideal for residential waste flows up to 800 gallons per day (GPD). Easily installs in any new or existing 4" outlet tee.

- 1. Locate the outlet of the septic tank.
- 2. Remove the tank cover and pump tank if necessary.
- 3. Glue the filter housing to the outlet pipe, or use a Polylok Extend & Lok if not enough pipe exists.
- 4. Insert the PL-68 filter into tee.
- 5. Replace and secure the septic tank cover.

PL-68 Maintenance:

The PL-68 Effluent Filter will operate efficiently for several years under normal conditions before requiring cleaning. It is recommended that the filter be cleaned every time the tank is pumped, or at least every three years.

- 1. Do not use plumbing when filter is removed.
- 2. Pull PL-68 out of the tee.
- 3. Hose off filter over the septic tank. Make sure all solids fall back into septic tank.
- 4. Insert filter back into tee/housing.

Related Products:

PL-68 Filter Concrete Baffle Extend & Lok™



Extend & Lok[™] Easily installs into existing tanks.





INSTALLER FRIENDLY SERIES[®] - IFS Single Phase Simplex (Demand/TD)

Single phase, simplex demand dose or timed dose, float controlled system for pump control and system monitoring.

The IFS simplex control panel is designed to control one 120, 208, 240 VAC single phase pump in water and sewage installations.

The IFS control panel features an easy-to-use touch pad with display on the inner door for programming and system monitoring.

The panel configuration can be easily converted in the field to either a timed dose or demand dose.

TOUCH PAD FEATURES

- **A.** Float Indicators illuminate when floats are activated. Alarm will activate if a float operates out of sequence.
- **B.** HOA (Hand-Off-Automatic) Buttons control pump mode with indication. Hand mode defaults to Automatic when stop level or redundant off level is reached.
- C. Pump Run Indicator illuminates when pump is called to run.
- D. LED Display shows system information including: mode, pump elapsed time (hh:mm), events (cycles), alarm counter, float error count, timed dose override counter (timed dose only), and ON/OFF times (timed dose only).
- E. NEXT Push Button toggles display.
- F. UP and SET Push Buttons set pump ON/OFF times (timed dose only).

PANEL COMPONENTS

- Enclosure base measures 10 X 8 X 4 inches (25.4 X 20.32 X 10.16 cm). NEMA 4X (ultraviolet stabilized thermoplastic with removable mounting feet for outdoor or indoor use). Note: Options, voltage, and amp range selected may change enclosure size and component layout.
- 2. Red Alarm Beacon provides 360° visual check of alarm condition.
- 3. Exterior Alarm Test/Normal/Silence Switch allows horn and light to be tested and horn to be silenced in an alarm condition. Alarm automatically resets once alarm condition is cleared.
- **4.** Alarm Horn provides audio warning of alarm condition (83 to 85 decibel rating).
- 5. Circuit Breaker (optional) provides pump disconnect and branch circuit protection.
- 6. **Power Relay** controls pump by switching electrical lines. Definate purpose contactor used when pump full load amps are above 15.
- 7. Float Connection Terminal Block
- 8. Incoming Control/Alarm Power & Pump Terminal Block
- 9. Control Power Indicator/Fuse indicator light illuminates if control power is present in panel. Alarm will activate if control fuse is blown.
- **10. Alarm Power Indicator/Fuse** indicator light illuminates if alarm power is present in panel.

11. Ground Lug

NOTE: Schematic/Wiring Diagram and Pump Specification Label are located inside the panel on enclosure cover



Model Shown IFS11W114X8AC (Inner door view)



Model Shown IFS11W114X8AC (Inside view)

Reg. Cdn Pat. & TM Off FEATURES

- Entire control system (panel and switches) is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Standard package includes: Demand Dose - three 20' SJE MilliAmpMaster[™] control switches Timed Dose - two 20' SJE MilliAmpMaster[™] control switches
- Complete with step-by-step installation instructions



Three-year limited warranty LISTED



PO Box 1708, Detroit Lakes, MN 56502 1-888-DIAL-SJE • 1-218-847-1317 1-218-847-4617 Fax email: sje@sjerhombus.com www.sjerhombus.com

IFS 2 1 W Note Note 4 H 8AC , 1	0E, 10F 15A
MODEL IFS MODEL TYPE (includes option 8AC standard)	
X 2 = SPLX DEMAND DOSE (includes option 8AC standard) ALARMPACKAGE	
ENCLOSURE RATING W = NEMA4X STARTING DEVICE 1 = 120/208/240 VAC	
9 = 120 VAC PUMP FULL LOAD AMPS 0 = 0-7 FLA 1 = 7-15 FLA 2 = 15-20 FLA	
PUMP DISCONNECTS 0 = no pump disconnect 4 = circuit breaker 120 VAC (must select starting device option 9) 120/208/240 VAC (must select starting device option 1)	
SWITCH APPLICATIONS H = floats (Timed dose = low level and alarm / Demand dose = stop, start, and alarm) (select 17 option) X = no float timed dose demand Dose Note: Pump down applications only.	
OPTIONS Listed below	

<u>Note:</u> Starting device, pump full load amps, cord length, and float type to be selected by installer and their electrician upon selection of pump.

If additional features are required, call the factory for a quote on an Engineered Custom control panel.

	 CODE DESCRIPTION 1J Duo alarm inputs 3A Alarm flasher 3B Manual reset alarm 4A Redundant off (select option 4D if floats are required) Demand Dose Timed Dose 4D Redundant off float 6A Auxiliary alarm contacts, form C 8AC Display board includes: ETM counter, events (cycles) counter, alarm counter, and override counter (timed dose only). (Included as standard.) 10E Lockable latch - NEMA 4X 10F Lightning arrestor (must select pump circuit breaker, control and alarm power combined) 10K Anti-condensation heater 11C NEMA 1 remote alarm panel 	CODE 11D X 15A 16A 16B 16C 16D 17C 17D 17G 17H 17J 18A	DESCRIPTION NEMA 4X remote alarm panel (<i>must select option 6A</i>) Control / Alarm circuit breaker 10' cord in lieu of 20' (<i>per float</i>) 15' cord in lieu of 20' (<i>per float</i>) 30' cord in lieu of 20' (<i>per float</i>) 30' cord in lieu of 20' (<i>per float</i>) 40' cord in lieu of 20' (<i>per float</i>) Sensor Float [®] / internally weighted ▲ (<i>per float</i>) Sensor Float [®] / internally weighted ▲ (<i>per float</i>) MilliAmpMaster [™] / pipe clamp ● (<i>per float</i>) MilliAmpMaster [™] / externally weighted ● (<i>per float</i>) Sensor Float [®] / pipe clamp ● (<i>per float</i>) Timer override option with float (timed dose only)
SAI	(must select option 6A) MODEL IFS 1 1 W 9 1 Model Type Alarm Package Enclosure Rating Starting Device Pump Full Load Amps Pump Disconnects Switch Application Options: Display, Lockable Latch, SJE MilliAmpMaster [™] /pipe clamp	4 H	8AC 10E17G

Trusted. Tested. Tough.™

Productinformation presented here reflects conditions at time of publication. Consult factory regarding discrepancies or inconsistencies.



SECTION: 2.15.080 FM2784 1017 Supersedes 0315

TECHNICAL DATA SHEET **DOSE-MATE SERIES** Models 151, 152, 153 Effluent Pumps

PRODUCT SPECIFICATIONS

	Horse Power	1/3 (151), 4/10 (152), 1/2 (153)
	Voltage	115 or 230
Ĕ	Phase	1 Ph
2	Hertz	60 Hz
<u>o</u>	RPM	3450
Σ	Туре	Permanent split capacitor
	Insulation	Class B
	Amps	3.0 - 10.5
	Operation	Automatic or nonautomatic
	Discharge Size	1-1/2" NPT
	Solids Handling	1/2" (12 mm), 3/4" (19 mm) spherical solids
•	Cord Length	20' (6 m)
Ξ	Cord Type	UL listed power cord
D	Max. Head	44' (13.4 m)
-	Max. Flow Rate	77 GPM (291 LPM)
	Max. Operating Temp.	130 °F (54 °C)
	Cooling	Oil filled
	Motor Protection	Auto reset thermal overload
	Сар	Cast iron
	Motor Housing	Cast iron
	Pump Housing	Cast iron
S	Base	Plastic or cast iron
AL	Upper Bearing	Sleeve bearing
R	Lower Bearing	Ball bearing
Ш	Mechanical Seals	Carbon and ceramic
ΙΡ.	Impeller Type	Non-clogging vortex
2	Impeller	Engineered thermoplastic
	Hardware	Stainless steel
	Motor Shaft	AISI 1215 steel
	Gasket	Neoprene

NOTE: The sizing of effluent systems normally requires variable level float(s) controls and properly sized basins to achieve required pumping cycles or dosing timers with nonautomatic pumps.

NOTE: See model comparison chart for specific details.

SSPM/A









MODEL 151

MODELS 152 & 153



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TOTAL DYNAMIC HEAD FLOW PER MINUTE

MO	DEL	1	51	15	52	15	53
Feet	Meters	Gal.	Liters	Gal.	Liters	Gal.	Liters
5	1.5	50	189	69	261	77	291
10	3.0	45	170	61	231	70	265
15	4.6	38	144	53	201	61	231
20	6.1	29	110	44	167	52	197
25	7.6	16	61	34	129	42	159
30	9.1			23	87	33	125
35	10.7					22	85
40	12.2					11	42
Shut-of	f Head:	30 ft. (9.1m)	38 ft. (1	1.6m)	44 ft. (1	3.4m)



Madal					МС	DEL CO	MPARISO	ON			
woder	Seal	Mode	Volts	Ph	Amps	HP	Hz	Lbs	Kg	Simplex	Duplex
N151	Single	Non	115	1	6.0	1/3	60	32	15	1	2 or 3
E151	Single	Non	230	1	3.0	1/3	60	32	15	1	2 or 3
BN151	Single	Auto	115	1	6.0	1/3	60	33	15	*	2 or 3
BE151	Single	Auto	230	1	3.0	1/3	60	33	15	*	2 or 3
N152	Single	Non	115	1	8.5	4/10	60	37	17	1	2 or 3
E152	Single	Non	230	1	4.3	4/10	60	37	17	1	2 or 3
BN152	Single	Auto	115	1	8.5	4/10	60	39	18	*	2 or 3
BE152	Single	Non	230	1	4.3	4/10	60	39	18	*	2 or 3
N153	Single	Non	115	1	10.5	1/2	60	37	17		
BN153	Single	Auto	115	1	10.5	1/2	60	39	18	*	2 or 3
E153	Single	Non	230	1	5.3	1/2	60	37	17	1	2 or 3
BE153	Single	Non	230	1	5.3	1/2	60	39	18	*	2 or 3

*BN and BE models include a 20' (6 m) piggyback variable level pump switch. Additional cord lengths are available in 25' (8 m) and 35' (11 m). 50' (15 m) cords are available for 230 V units only.

NOTE: Model 151 has a plastic base. Models 152 & 153 have a cast iron base.

SELECTION GUIDE

- 1. For automatic, use single piggyback variable level float switch or double piggyback variable level float switch. Refer to FM0477.
- 2. See FM1228 for correct model of simplex control panel.
- 3. See FM0712 for correct model of duplex control panel.



All installation of controls, protection devices and wiring should be done by a qualified licensed electrician. All electrical and safety codes should be followed including the most recent National Electrical Code (NEC) and the Occupational Safety and Health Act (OSHA).

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GEOSYNTHETIC AGGREGATE TECHNOLOGY



EZflow by Infiltrator is an environmentally friendly replacement to traditional stone and pipe drainfields using an engineered geosynthetic aggregate modular design. The EZflow system is designed to improve infiltration performance by eliminating the fines associated with crushed stone, and reducing compaction and embedment associated with stone. Preassembled units include a 3" or 4" perforated pipe surrounded by aggregate and held in place with a durable high-strength netting. This product comes in easy-to-contour 5' and 10' lengths and in diameters of 7, 8, 9, 10, 12, 13, or 14 inches.

Lightweight expanded polystyrene construction offers structural integrity and resists compaction. Engineered flow-channels increase void space creating improved water flow and greater storage.





Compared with stone and pipe, benefits include:

- · Always clean and free of fines
- Bundles are quick to install, saving costs on heavy machinery and labor
- Modular construction allows configurations to match trench dimensions for most system shapes and sizes
- Engineered for optimal storage and absorption efficiencies
- Ability to contour along sloped sites and around trees or landscaping
- Lightweight system is perfect for repairs and tight job sites
- · Easily hand-carried into position reducing time and labor
- · 5' or 10' lengths with simple snap, internal couplers
- Easier cleanup at the job site with the elimination of stone
- Manufactured from recycled materials rather than a mined natural resource
- A wide variety of diameters and configurations to meet any installation professional's needs
- Approved in many jurisdictions with an increased efficiency rating, reducing drainfield size
- · Backed by the leader in the onsite wastewater industry



Notes:

- 1. Other systems include 10" and 12" bed systems. Bed size will dictate the number of bundles.
- 2. System dimensions are dependent upon bundle diameter and configuration.
- 3. LLP is for "Low Pressure Pipe" in which a pressurized distribution pipe is field installed within the corrugated pipe.
- 4. Internal pipe and couplings meet the requirements of ASTM F405.
- 5. Bundles are also available without geotextile between the netting and synthetic aggregrate.

INFILTRATOR WATER TECHNOLOGIES STANDARD LIMITED WARRANTY

(a) The structural integrity of each EZflow by Infiltrator expanded polystyrene drainfield system and other accessories manufactured by EZflow 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 EZflow by Infiltrator to be covered by this Limited Warranty. EZflow by 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 EZflow system is manufactured by anyone other than EZflow by 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 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.



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

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, PolyTuff, ChamberSpacer, MultiPort, PosiLock, QuickCut, QuickPlay, 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. © 2015 Infiltrator Water Technologies, LLC. All rights reserved. Printed in U.S.A.

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Contact Infiltrator Water Technologies' Technical Services Department for assistance at 1-800-221-4436















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