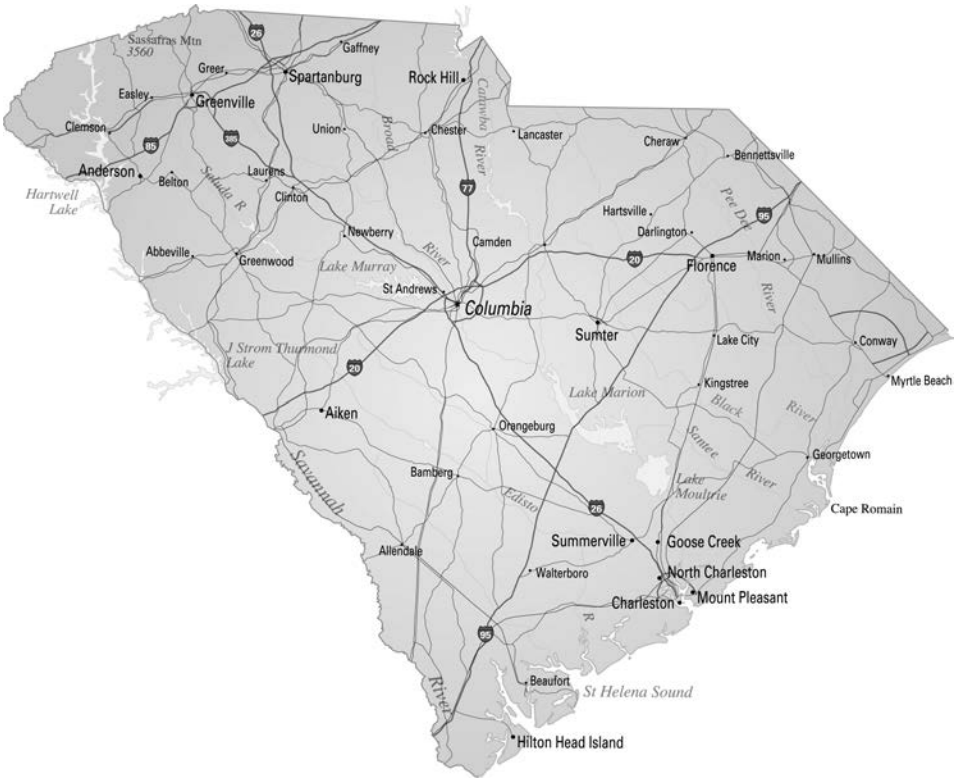
INFILTRATOR
water technologies

South Carolina

Design and Installation Manual for Infiltrator Chamber and EZflow Systems in South Carolina



The purpose of this product design manual is to provide specific design and installation information pertinent for the use of Infiltrator chamber and EZflow systems in South Carolina.

For more detailed design information, please contact Infiltrator Water Technologies at 1-800-221-4436

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South Carolina

INTRODUCTION

Infiltrator's chamber and EZflow gravelless systems are approved for use as passive soil-based on-site disposal systems and can be substituted for conventional pipe and gravel. Both chambers and EZflow can be used in the construction of small on-site wastewater systems generating less than 1,500 gallons per day, large on-site wastewater system generating equal to or greater than 1,500 gallons per day, and community, cluster, and commercial wastewater systems. Effective June 1, 2015, the South Carolina General Assembly amended certain requirements for installing gravelless systems established under House Bill 3939 in 2003. System sizing information provided herein is based on the 2015 General Assembly updates, with all trench system sizing published by Infiltrator prior to June 1, 2015 being superseded. With the exception of the sizing described in this document, chamber and EZflow system construction shall conform to requirements set forth in South Carolina R.61-56, Onsite Wastewater Systems.

Quick4 and Quick5 Chambers

Quick4 and Quick5 chambers have been approved for use as a conventional pipe and gravel substitute for a variety of aggregate depths. Quick4 Standard, Quick 5 Standard, Quick4 Plus Standard and Quick4 Plus Standard Low Profile (LP) chambers fit into a 36-inch-wide trench. The Quick4 Plus Standard LP chamber is 4 inches shorter than the other standard chamber models, allowing for shallower installation. The MultiPort and Quick4 Plus lines of endcaps are available with these chamber models, providing increased flexibility in system configurations. All chambers can be installed in a trench system wider than 3 feet. Contact Infiltrator for specific information on various system-inletting options. See Tables 1 - 9 for system sizing. See pages 12-13 for sizing of trenches greater than 3 feet wide.

Quick4 Standard Nominal Chamber Dimensions

Size:	34"W x 48"L x 12"H
Storage Capacity:	43 gal
Invert Elevation:	8"

QUICK4 STANDARD



Quick5 Standard Nominal Chamber Dimensions

Size:	34"W x 65"L x 12"H
Storage Capacity:	57 gal
Invert Elevation:	8"

QUICK5 STANDARD



Quick4 Plus Standard Nominal Chamber Specifications

Size:	34"W x 48"L x 12"H
Storage Capacity:	47 gal
Invert Elevation:	5.3", 8"

QUICK4 PLUS STANDARD



Quick4 Plus Standard Low Profile (LP) Nominal Chamber Specifications

Size:	34"W x 48"L x 8"H
Storage Capacity:	32 gal
Invert Elevation:	3.3", 9.6"

QUICK4 PLUS STANDARD LOW PROFILE (LP)



INTRODUCTION



EZflow Leachfield System

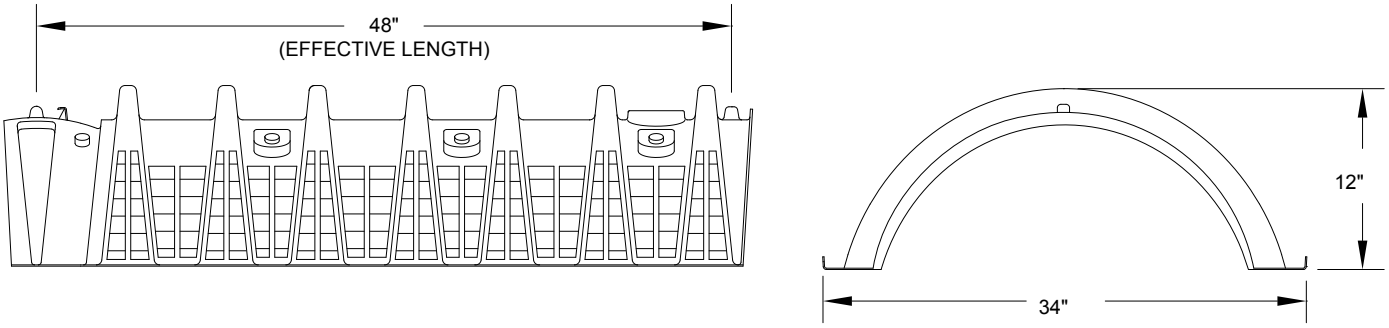
EZflow has been approved for use as a conventional pipe and gravel substitute for a variety of aggregate depths. This product comes in easy-to-contour 5- and 10-foot lengths and in diameters of 7, 9, 10 and 12 inches. See Tables 10-12 for typical system sizing. See pages 12-13 for sizing of trenches greater than 3 feet wide.

Infiltrator Tanks					
Tank	 **IM-540**	 **IM-1060**	 **CM-1060**	 **IM-1250**	 **IM-1530**
Applications	Suitable for use as a pump tank, trash-tank, rainwater (non-potable) tank, or as the second compartment of an in-series septic tank.	Suitable for use as a pump tank, septic tank or rainwater tank, shallow, multiple, and serial tank configurations.	Suitable for use as a pump tank, septic tank or rainwater tank, shallow, multiple, and serial tank configurations.	Suitable for use as a pump tank, septic tank or rainwater tank, shallow, multiple, and serial tank configurations.	Suitable for use as a pump tank, septic tank or rainwater tank, shallow, multiple, and serial tank configurations.
Working Capacity	475 gal (1,799 L)	1,094 gal (4,141 L)	1,111 gal (4,207 L)	1,278 gal (4,839 L)	1,537 gal (5,818 L)
Total Capacity	552 gal (2,089 L)	1,287 gal (4,872 L)	1,309 gal (4,956 L)	1,480 gal (5,602 L)	1,787 gal (6,765 L)

PRODUCTS

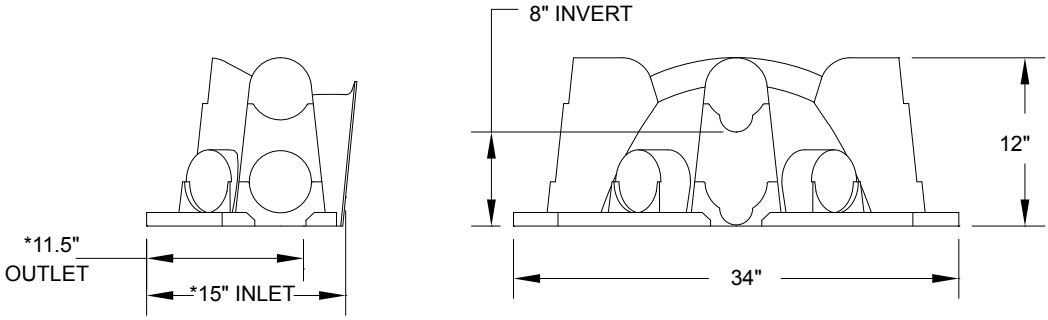
Quick4 Standard Chamber

SIDE AND END VIEWS (not to scale)



Quick4 Standard MultiPort Endcap

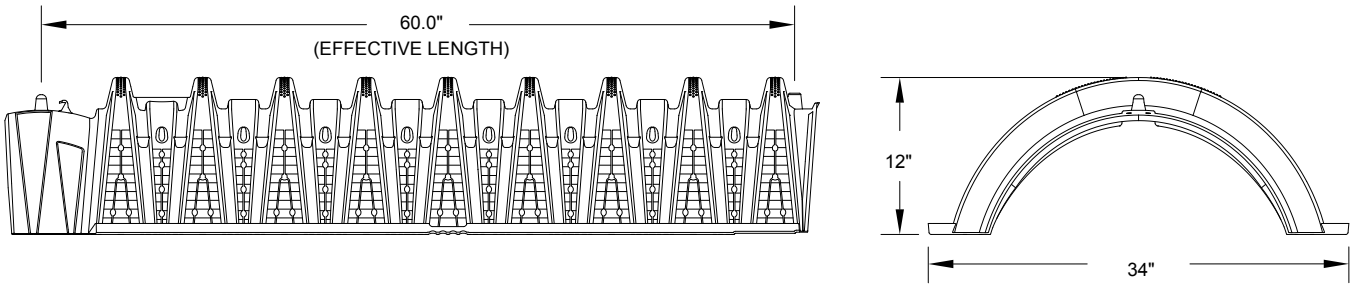
SIDE AND END VIEWS (not to scale)



Effective Length When Connected

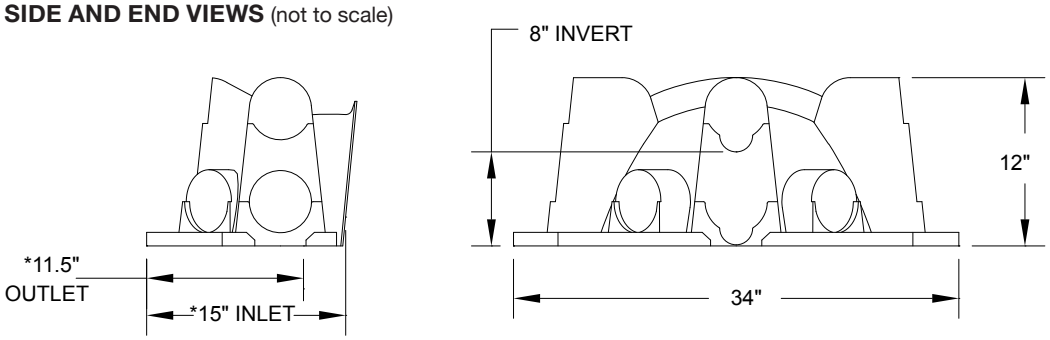
Quick5 Standard Chamber

SIDE AND END VIEWS (not to scale)



Quick5 Standard MultiPort Endcap

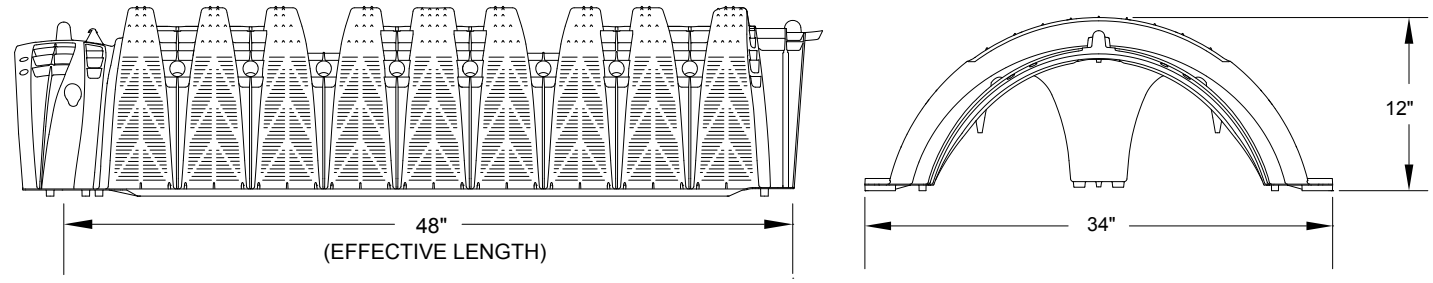
SIDE AND END VIEWS (not to scale)



Effective Length When Connected

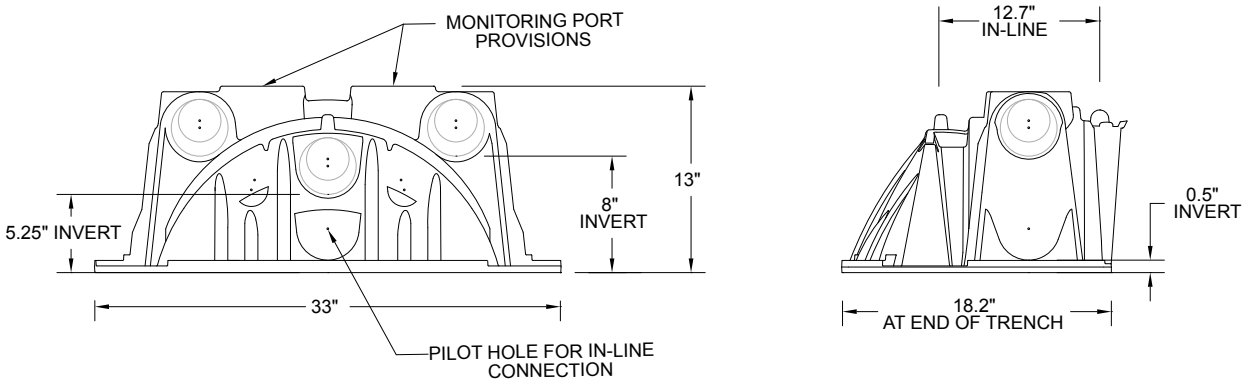
Quick4 Plus Standard Chamber

SIDE AND END VIEWS (not to scale)



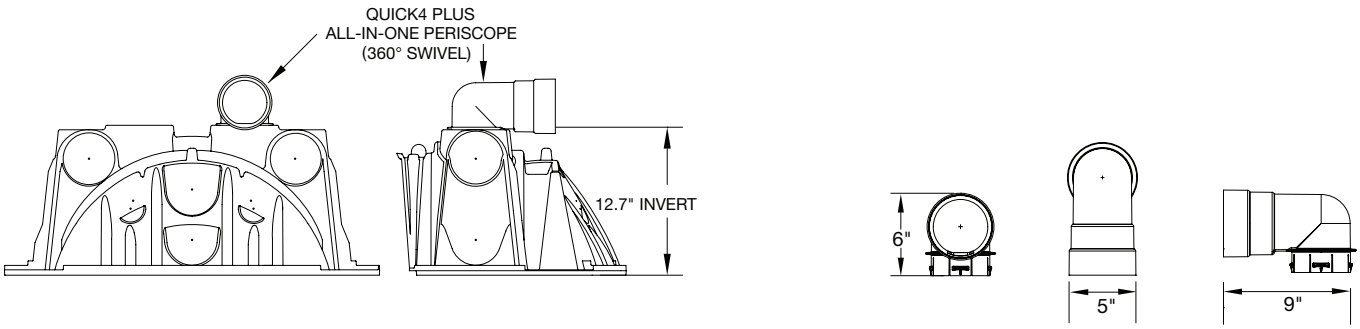
Quick4 Plus All-in-One12 Endcap

SIDE AND END VIEWS (not to scale)



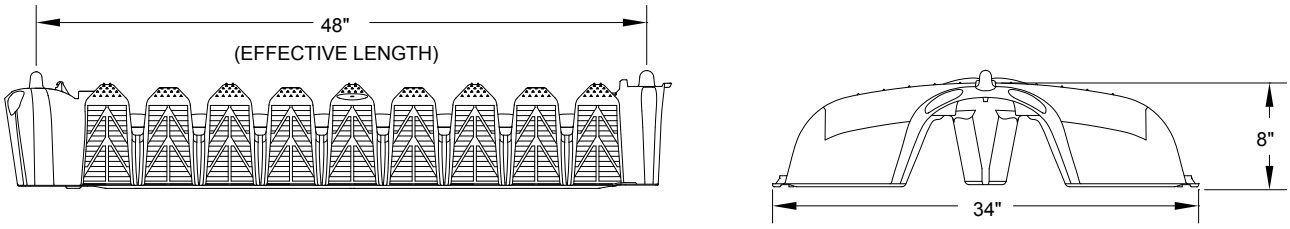
Quick4 Plus All-In-One Periscope

FRONT AND SIDE VIEWS (not to scale)



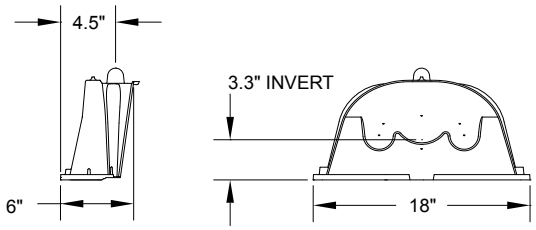
Quick4 Plus Standard LP Chamber

SIDE AND END VIEWS (not to scale)



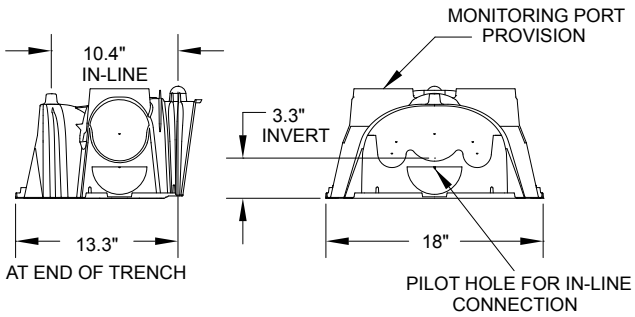
Quick4 Plus 8 Endcap

SIDE AND END VIEWS (not to scale)



Quick4 Plus All-in-One 8 Endcap

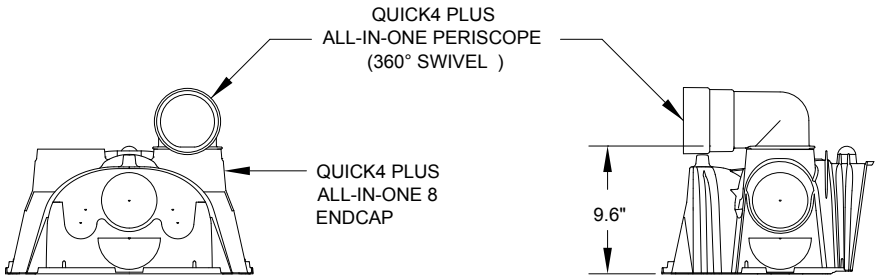
SIDE AND END VIEWS (not to scale)



Quick4 Plus All-in-One 8 Periscopep

SIDE AND END VIEWS (not to scale)

USE THE PERISCOPE FOR A 9.6" INVERT WITH THE QUICK4 PLUS STANDARD LOW PROFILE CHAMBER



PRODUCTS

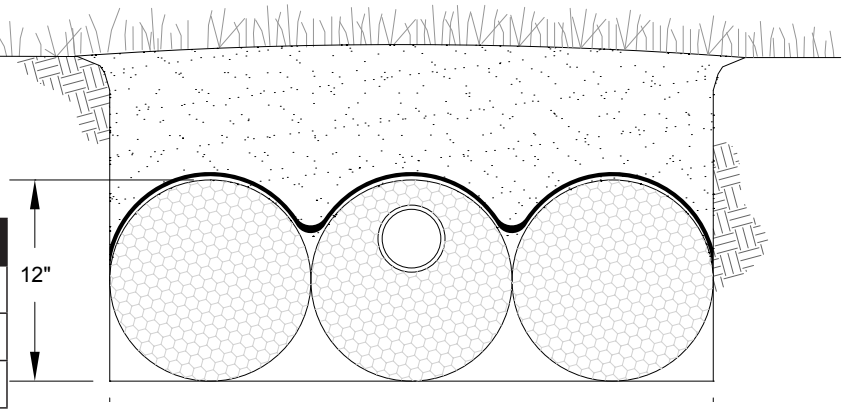
EZflow by Infiltrator

EZflow is an environmentally friendly replacement for conventional pipe and gravel septic drainfields using an engineered geosynthetic aggregate modular design. The EZflow system is designed to improve infiltrative performance by eliminating the fines and reducing compaction and embedment associated with crushed stone. Pre-assembled units include a 4-inch perforated pipe surrounded by aggregate and held in place with a durable high-strength netting and integral geotextile covering.

EZflow 1203H/1203H-GEO – 14" Gravel Replacement

EXAMPLE: 900 sq ft. required
900 sf ÷ 4.0 sf per ft = 225 lf required

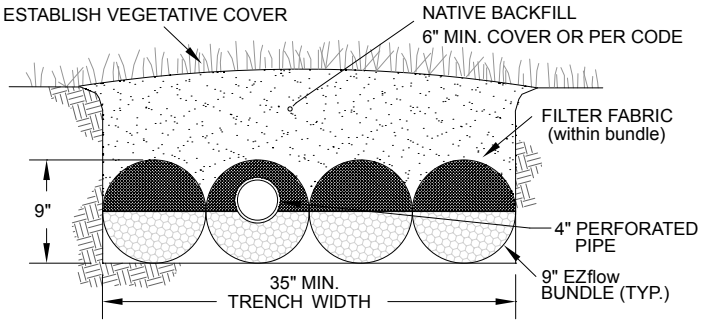
EZflow 1203H/1203H-GEO Specifications	
Approved Sizing	4.0 sf/lf
Percent Trench Length Reduction	25%
Nominal Inlet Invert Height	6.0 in.



EZflow 0904H/0904H-GEO – Shallow 9" Gravel Replacement

EXAMPLE: 900 sq ft. required
900 sf ÷ 3.08 sf per ft = 293 lf required

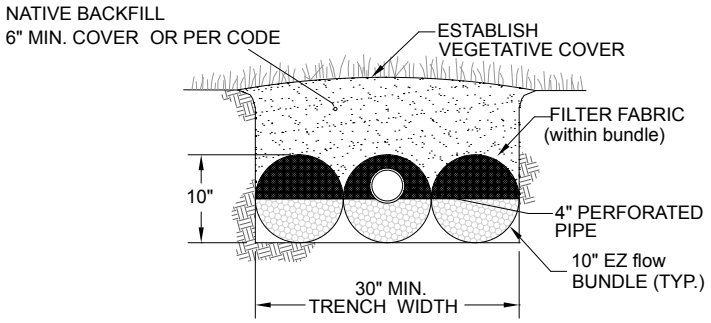
EZflow 0904H/0904H-GEO Specifications	
Approved Sizing	3.08 sf/lf
Percent Trench Length Reduction	25%
Nominal Inlet Invert Height	2.5 in.



EZflow 1003H/1003H-GEO – Shallow 9" Gravel Replacement

EXAMPLE: 900 sq ft. required
900 sf ÷ 2.56 sf per ft = 352 lf required

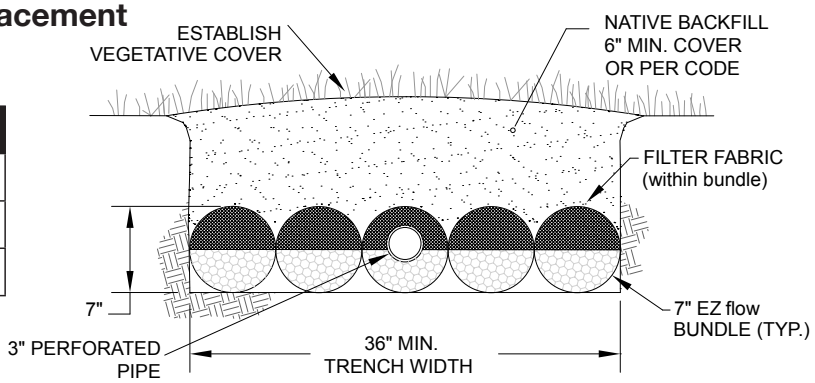
EZflow 1003H/1003H-GEO Specifications	
Approved Sizing	2.56 sf/lf
Percent Trench Length Reduction	10%
Nominal Inlet Invert Height	3.0 in.



EZflow 0705H/0705H-GEO – Shallow and Ultra Shallow 6" Gravel Replacement

EXAMPLE: 900 sq ft. required
900 sf ÷ 2.67 sf per ft = 338 lf required

EZflow 0705H/0705H-GEO Specifications	
Approved Sizing	2.67 sf/lf
Percent Trench Length Reduction	25%
Nominal Inlet Invert Height	2.0 in.



SYSTEM SIZING – Quick4 Standard and Quick4 Plus Standard Chambers

Table 1: Quick4 Standard and Quick4 Plus Standard Sizing for 36”W x 14”H Gravel

Loading Rate	Absorption Area per Bedroom	Gravel Trench = 36"W x 14"H (3.00 SF/FT)			Quick4 Standard and Quick4 Plus Standard = 34”W x 12”H x 48”L (4.00 SF/FT = 25% reduction)					
		2 Bedrooms	3 Bedrooms	4 Bedrooms	2 Bedrooms		3 Bedrooms		4 Bedrooms	
GPD/SF	SF/BR	LF	LF	LF	LF	Units	LF	Units	LF	Units
1.0	120	100	120	160	100	25	100	25	120	30
0.9	133	100	133	178	100	25	100	25	136	34
0.8	150	100	150	200	100	25	116	29	152	38
0.7	171	114	171	229	100	25	132	33	172	43
0.6	200	133	200	267	100	25	152	38	200	50
0.5	240	160	240	320	120	30	180	45	240	60
0.4	300	200	300	400	152	38	228	57	300	75
0.3	400	267	400	533	200	50	300	75	400	100
0.2	600	400	600	800	300	75	452	113	600	150
0.1	1,200	800	1,200	1,600	600	150	900	225	1,200	300

Table 2: Quick4 Standard and Quick4 Plus Standard Sizing for 36”W x 9”H Gravel

Loading Rate	Absorption Area per Bedroom	Gravel Trench = 36”W x 9”H (2.31 SF/FT)			Quick4 Standard and Quick4 Plus Standard = 34”W x 12”H x 48”L (3.08 SF/FT = 25% reduction)					
		2 Bedrooms	3 Bedrooms	4 Bedrooms	2 Bedrooms		3 Bedrooms		4 Bedrooms	
GPD/SF	SF/BR	LF	LF	LF	LF	Units	LF	Units	LF	Units
1.0	120	104	156	208	100	25	120	30	156	39
0.9	133	116	173	231	100	25	132	33	176	44
0.8	150	130	195	260	100	25	148	37	196	49
0.7	171	149	223	297	112	28	168	42	224	56
0.6	200	173	260	347	132	33	196	49	260	65
0.5	240	208	312	416	156	39	236	59	312	78
0.4	300	260	390	520	196	49	296	74	392	98
0.3	400	347	520	693	260	65	392	98	520	130
0.2	600	520	780	1,040	392	98	588	147	780	195
0.1	1,200	1,040	1,560	2,080	780	195	1,172	293	1,560	390

Table 3: Quick4 Standard and Quick4 Plus Standard Sizing for 36”W x 6”H Gravel

Loading Rate	Absorption Area per Bedroom	Gravel Trench = 36"W x 6"H (2.00 SF/FT)			Quick4 Standard and Quick4 Plus Standard = 34”W x 12”H x 48”L (2.67 SF/FT = 25% reduction)					
		2 Bedrooms	3 Bedrooms	4 Bedrooms	2 Bedrooms		3 Bedrooms		4 Bedrooms	
GPD/SF	SF/BR	LF	LF	LF	LF	Units	LF	Units	LF	Units
1.0	120	120	180	240	100	25	136	34	180	45
0.9	133	133	200	267	100	25	152	38	200	50
0.8	150	150	225	300	116	29	172	43	228	57
0.7	171	171	257	343	132	33	196	49	260	65
0.6	200	200	300	400	152	38	228	57	300	75
0.5	240	240	360	480	180	45	272	68	360	90
0.4	300	300	450	600	228	57	340	85	452	113
0.3	400	400	600	800	300	75	452	113	600	150
0.2	600	600	900	1,200	452	113	676	169	900	225
0.1	1,200	1,200	1,800	2,400	900	225	1,352	338	1,800	450

Notes

1. Per South Carolina law, the minimum required square footage for any drainfield system sized according to these tables is 300 square feet, measured as the area bounded by the trench width and length, for soils in all classifications.
2. To calculate additional bedrooms, multiply the number of bedrooms by the applicable absorption area per bedroom, divide by the chamber equivalency rating shown above, and divide by the chamber length. Example: 5 bedrooms x 200 sf/bedroom / 4.0 sf/ft equivalency rating / 4 ft/Quick4 Standard chamber = 62.5 chambers, rounded up to 63 chambers.

SYSTEM SIZING – Quick4 Plus Standard LP Chamber

Table 4: Quick4 Plus Standard LP Sizing for 36"W x 14"H Gravel

Loading Rate	Absorption Area per Bedroom	Gravel Trench = 36"W x 14"H (3.00 SF/FT)			Quick4 Plus Standard LP = 34"W x 8"H x 48"L (3.53 SF/FT = 15% reduction)					
		2 Bedrooms	3 Bedrooms	4 Bedrooms	2 Bedrooms		3 Bedrooms		4 Bedrooms	
GPD/SF	SF/BR	LF	LF	LF	LF	Units	LF	Units	LF	Units
1.0	120	100	120	160	100	25	100	25	136	34
0.9	133	100	133	178	100	25	116	29	152	38
0.8	150	100	150	200	100	25	128	32	172	43
0.7	171	114	171	229	100	25	148	37	196	49
0.6	200	133	200	267	116	29	172	43	228	57
0.5	240	160	240	320	136	34	204	51	272	68
0.4	300	200	300	400	172	43	256	64	340	85
0.3	400	267	400	533	228	57	340	85	456	114
0.2	600	400	600	800	340	85	512	128	680	170
0.1	1,200	800	1,200	1,600	680	170	1,020	255	1,360	340

Table 5: Quick4 Plus Standard LP Sizing for 36"W x 9"H Gravel

Loading Rate	Absorption Area per Bedroom	Gravel Trench = 36"W x 9"H (2.31 SF/FT)			Quick4 Plus Standard LP = 34"W x 8"H x 48"L (3.08 SF/FT = 25% reduction)					
		2 Bedrooms	3 Bedrooms	4 Bedrooms	2 Bedrooms		3 Bedrooms		4 Bedrooms	
GPD/SF	SF/BR	LF	LF	LF	LF	Units	LF	Units	LF	Units
1.0	120	104	156	208	100	25	120	30	156	39
0.9	133	116	173	231	100	25	132	33	176	44
0.8	150	130	195	260	100	25	148	37	196	49
0.7	171	149	223	297	112	28	168	42	224	56
0.6	200	173	260	347	132	33	196	49	260	65
0.5	240	208	312	416	156	39	236	59	312	78
0.4	300	260	390	520	196	49	296	74	392	98
0.3	400	347	520	693	260	65	392	98	520	130
0.2	600	520	780	1,040	392	98	588	147	780	195
0.1	1,200	1,040	1,560	2,080	780	195	1,172	293	1,560	390

Table 6: Quick4 Plus Standard LP Sizing for 36"W x 6"H Gravel

Loading Rate	Absorption Area per Bedroom	Gravel Trench = 36"W x 6"H (2.00 SF/FT)			Quick4 Plus Standard LP = 34"W x 8"H x 48"L (2.67 SF/FT = 25% reduction)					
		2 Bedrooms	3 Bedrooms	4 Bedrooms	2 Bedrooms		3 Bedrooms		4 Bedrooms	
GPD/SF	SF/BR	LF	LF	LF	LF	Units	LF	Units	LF	Units
1.0	120	120	180	240	100	25	136	34	180	45
0.9	133	133	200	267	100	25	152	38	200	50
0.8	150	150	225	300	116	29	172	43	228	57
0.7	171	171	257	343	132	33	196	49	260	65
0.6	200	200	300	400	152	38	228	57	300	75
0.5	240	240	360	480	180	45	272	68	360	90
0.4	300	300	450	600	228	57	340	85	452	113
0.3	400	400	600	800	300	75	452	113	600	150
0.2	600	600	900	1,200	452	113	676	169	900	225
0.1	1,200	1,200	1,800	2,400	900	225	1,352	338	1,800	450

Notes

1. Per South Carolina law, the minimum required square footage for any drainfield system sized according to these tables is 300 square feet, measured as the area bounded by the trench width and length, for soils in all classifications.
2. To calculate additional bedrooms, multiply the number of bedrooms by the applicable absorption area per bedroom, divide by the chamber equivalency rating shown above, and divide by the chamber length. Example: 5 bedrooms x 200 sf/bedroom / 3.53 sf/ft equivalency rating / 4 ft/Quick4 Standard LP chamber = 70.8 chambers, rounded up to 71 chambers.

SYSTEM SIZING – Quick5 Standard Chambers

Table 7: Quick5 Standard Sizing for 36”W x 14”H Gravel

Loading Rate	Absorption Area per Bedroom	Gravel Trench = 36"W x 14"H (3.00 SF/FT)			Quick5 Standard = 34”W x 12”H x 60”L (4.00 SF/FT = 25% reduction)					
		2 Bedrooms	3 Bedrooms	4 Bedrooms	2 Bedrooms		3 Bedrooms		4 Bedrooms	
GPD/SF	SF/BR	LF	LF	LF	LF	Units	LF	Units	LF	Units
1.0	120	100	120	160	100	20	100	20	120	24
0.9	133	100	133	178	100	20	100	20	135	27
0.8	150	100	150	200	100	20	115	23	150	30
0.7	171	114	171	229	100	20	130	26	175	35
0.6	200	133	200	267	100	20	150	30	200	40
0.5	240	160	240	0	120	24	180	36	240	48
0.4	300	200	300	400	150	30	225	45	300	60
0.3	400	267	400	533	200	40	300	60	400	80
0.2	600	400	600	800	300	60	450	90	600	120
0.1	1,200	800	1200	1,600	600	120	900	180	1,200	240

Table 8: Quick5 Standard Sizing for 36”W x 9”H Gravel

Loading Rate	Absorption Area per Bedroom	Gravel Trench = 36”W x 9”H (2.31 SF/FT)			Quick5 Standard = 34”W x 12”H x 60”L (3.08 SF/FT = 25% reduction)					
		2 Bedrooms	3 Bedrooms	4 Bedrooms	2 Bedrooms		3 Bedrooms		4 Bedrooms	
GPD/SF	SF/BR	LF	LF	LF	LF	Units	LF	Units	LF	Units
1.0	120	104	156	208	100	20	120	24	160	32
0.9	133	115	173	231	100	20	130	26	175	35
0.8	150	130	195	260	100	20	150	30	195	39
0.7	171	148	223	297	115	23	170	34	225	45
0.6	200	173	260	346	130	26	195	39	260	52
0.5	240	208	312	416	160	32	235	47	315	63
0.4	300	260	390	519	195	39	295	59	390	78
0.3	400	346	519	693	260	52	390	78	520	104
0.2	600	519	779	1,039	390	78	585	117	780	156
0.1	1,200	1,039	1,558	2,078	780	156	1,170	234	1,560	312

Table 9: Quick5 Standard Sizing for 36”W x 6”H Gravel

Loading Rate	Absorption Area per Bedroom	Gravel Trench = 36"W x 6"H (2.00 SF/FT)			Quick5 Standard = 34”W x 12”H x 60”L (2.67 SF/FT = 25% reduction)					
		2 Bedrooms	3 Bedrooms	4 Bedrooms	2 Bedrooms		3 Bedrooms		4 Bedrooms	
GPD/SF	SF/BR	LF	LF	LF	LF	Units	LF	Units	LF	Units
1.0	120	120	180	240	100	20	135	27	180	36
0.9	133	133	200	267	100	20	150	30	200	40
0.8	150	150	225	300	115	23	170	34	225	45
0.7	171	171	257	343	130	26	195	39	260	52
0.6	200	200	300	400	150	30	225	45	300	60
0.5	240	240	360	480	180	36	270	54	360	72
0.4	300	300	450	600	225	45	340	68	450	90
0.3	400	400	600	800	300	60	450	90	600	120
0.2	600	600	900	1,200	450	90	675	135	900	180
0.1	1,200	1,200	1,800	2,400	900	180	1,350	270	1,800	360

Notes

1. Per South Carolina law, the minimum required square footage for any drainfield system sized according to these tables is 300 square feet, measured as the area bounded by the trench width and length, for soils in all classifications.
2. To calculate additional bedrooms, multiply the number of bedrooms by the applicable absorption area per bedroom, divide by the chamber equivalency rating shown above, and divide by the chamber length. Example: 5 bedrooms x 200 sf/bedroom / 4.0 sf/ft equivalency rating / 5 ft/Quick5 Standard chamber = 50 chambers.

SYSTEM SIZING – EZflow

Table 10: EZflow 1203H Sizing for 36”W x 14”H Gravel

Loading Rate	Absorption Area per Bedroom	Gravel Trench = 36”W x 14”H (3.00 SF/FT)			EZflow 1203H 36”W x 12”H (4.00 SF/FT = 25% reduction)		
		2 Bedrooms	3 Bedrooms	4 Bedrooms	2 Bedrooms	3 Bedrooms	4 Bedrooms
GPD/SF	SF/BR	LF	LF	LF	LF	LF	LF
1.0	120	100	120	160	100	100	120
0.9	133	100	133	178	100	100	133
0.8	150	100	150	200	100	113	150
0.7	171	114	171	229	100	129	171
0.6	200	133	200	267	100	150	200
0.5	240	160	240	320	120	180	240
0.4	300	200	300	400	150	225	300
0.3	400	267	400	533	200	300	400
0.2	600	400	600	800	300	450	600
0.1	1,200	800	1,200	1,600	600	900	1,200

Table 11: EZflow 0904H and 1003H Sizing for 36”W x 9”H Gravel

Loading Rate	Absorption Area per Bedroom	Gravel Trench = 36”W x 9”H (2.31 SF/FT)			EZflow 0904H 36”W x 9”H (3.08 SF/FT = 25% reduction)			EZflow 1003H 30”W x 10”H (2.56 SF/FT = 10% reduction)		
		2 Bedrooms	3 Bedrooms	4 Bedrooms	2 Bedrooms	3 Bedrooms	4 Bedrooms	2 Bedrooms	3 Bedrooms	4 Bedrooms
GPD/SF	SF/BR	LF	LF	LF	LF	Units	LF	Units	LF	Units
1.0	120	104	156	208	100	117	156	120	140	187
0.9	133	116	173	231	100	130	173	120	156	208
0.8	150	130	195	260	100	146	195	120	176	234
0.7	171	149	223	297	111	167	223	134	201	267
0.6	200	173	260	347	130	195	260	156	234	312
0.5	240	208	312	416	156	234	312	187	281	374
0.4	300	260	390	520	195	293	390	234	351	468
0.3	400	347	520	693	260	390	520	312	468	624
0.2	600	520	780	1,040	390	585	780	468	702	936
0.1	1,200	1,040	1,560	2,080	780	1,170	1,560	936	1,404	1,872

Table 12: EZflow 0705H Sizing for 36”W x 6”H Gravel

Loading Rate	Absorption Area per Bedroom	Gravel Trench = 36”W x 6”H (2.00 SF/FT)			EZflow 0705H 35”W x 7”H (2.67 SF/FT = 25% reduction)		
		2 Bedrooms	3 Bedrooms	4 Bedrooms	2 Bedrooms	3 Bedrooms	4 Bedrooms
GPD/SF	SF/BR	LF	LF	LF	LF	LF	LF
1.0	120	120	180	240	100	135	180
0.9	133	133	200	267	100	150	200
0.8	150	150	225	300	113	169	225
0.7	171	171	257	343	129	193	257
0.6	200	200	300	400	150	225	300
0.5	240	240	360	480	180	270	360
0.4	300	300	450	600	225	338	450
0.3	400	400	600	800	300	450	600
0.2	600	600	900	1,200	450	675	900
0.1	1,200	1,200	1,800	2,400	900	1,350	1,800

Notes

1. Per South Carolina law, the minimum required square footage for any drainfield system sized according to these tables is 300 square feet, measued as the area bounded by the trench width and length, for soils in all classifications.
2. To calculate additional bedrooms, multiply the number of bedrooms by the applicable absorption area per bedroom and divide by the applicable equivalency rating shown above. Example: 5 bedrooms x 200 sf/bedroom / 4.0 sf/ft EZflow 1203H equivalency rating = 250 feet of EZflow 1203H.
3. EZflow bundles may be cut to achieve a specific trench length.

Large Community, Cluster, and Commercial Wastewater Systems

Chambers and EZflow are authorized for use in large on-site wastewater systems generating equal to or greater than 1,500 gallons per day, as well as community, cluster, and commercial wastewater systems at equivalent sizing. Table 13 provides equivalency factors for chamber and EZflow models that can be used for the design of large, community, cluster, and commercial wastewater systems. With the exception of the equivalency sizing provided in Table 13, large, community, cluster, and commercial systems incorporating chamber and EZflow shall conform to requirements set forth in South Carolina R.61-56, Onsite Wastewater Systems.

Table 13: Quick4 Chamber and EZflow Equivalency Factors

Infiltrator Product	Pipe and Gravel Aggregate Depth (in)	Sizing Equivalency Factor (sf/lf)
Quick4 Standard, Quick5 Standard or Quick4 Plus Standard	14	4.00
Quick4 Standard, Quick5 Standard or Quick4 Plus Standard	9	3.08
Quick4 Standard, Quick5 Standard or Quick4 Plus Standard	6	2.67
Quick4 Plus Standard LP	14	3.53
Quick4 Plus Standard LP	9	3.08
Quick4 Plus Standard LP	6	2.67
EZflow 1203H/1203H-GEO	14	4.00
EZflow 0904H/0904H-GEO	9	3.08
EZflow 1003H/1003H-GEO	9	2.56
EZflow 0705H/0705H-GEO	6	2.67

Quick4 chamber and EZflow system designs shall be determined using the following calculation method:

1. Determine the required pipe and gravel trench bottom area in square feet.
2. Determine the Infiltrator gravelless product to be used and the associated equivalency factor from Table 13.
3. Divide the required pipe and gravel trench bottom area by the gravelless product equivalency factor to calculate the required gravelless trench length.
4. Determine the number of trenches and individual trench length based on site-specific conditions.
5. Verify that the area bounded by the trench width and length is 300 square feet or greater, as required by South Carolina law.

Example gravelless system design for a required pipe and gravel bottom area of 10,000 sf with a 14-inch aggregate depth:

- Required bottom area of pipe and gravel trench = 10,000 sf
- Required pipe and gravel trench aggregate depth = 14 in
- Assume that either the Quick4 Standard, Quick5 Standard, or EZflow 1203H-GEO products will be used
- Use an equivalency factor = 4.00 sf/lf
- Required gravelless trench length = 10,000 sf / 4.00 sf/lf = 2,500 lf of trench
- Engineer to determine the number and length of individual trenches based upon site conditions

Chamber and EZflow Sizing for Trenches Greater than 3 Feet Wide

Appendix H of South Carolina R.61-56, Onsite Wastewater Systems allows for the installation of conventional pipe and gravel trenches up to 10 feet wide. Tables 1 through 12 provide sizing for the installation of Quick4 chambers and EZflow in 3-foot-wide trenches. For applications where the trench width exceeds 3 feet, a gravelless system design shall be determined using the following calculation method:

1. Determine the required pipe and gravel trench bottom area in square feet.
2. Multiply the required pipe and gravel trench bottom area in square feet by 0.75, which corresponds to the required gravelless trench bottom area.
3. Divide the required gravelless trench bottom area by the required width of pipe and gravel trench to calculate the required gravelless trench length.
4. Verify that the area bounded by the trench width and length is 300 square feet or greater, as required by South Carolina law.

Example trench design exceeding 3 feet wide for a required pipe and gravel bottom area of 1,000 sf with a 14-inch aggregate depth:

- Required bottom area of gravelless trench = 1,000 sf x (1 – 0.25) = 750 sf
- Required pipe and gravel trench width = 9 ft
- Required gravelless trench length = 750 sf gravelless bottom area required / 9 ft wide = 83.3 ft (minimum)
- Example products that could be used include:
  - o Three rows of 21 Quick4 Standard or Quick4 Plus Standard chambers; or
  - o Three rows of 17 Quick5 Standard chambers
  - o Three rows of 8 EZflow 1203H-GEO 10-foot bundles and 1 EZflow 1203H-GEO 5-foot bundle.

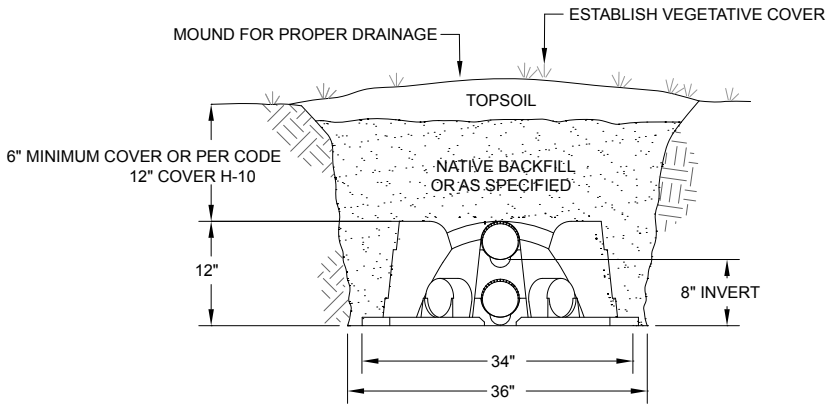
Double-Stacked EZflow for Replacing 28-Inch Deep Pipe and Gravel

Where a pipe and gravel design calls for an aggregate depth of 28 inches, double-stacked EZflow 1203H-GEO may be used as a substitute effluent dispersal media. Two layers of EZflow 1203H-GEO are installed within the trench on a foot-for-foot basis with the 28-inch-deep pipe and gravel trench. A double-stacked EZflow system design shall be determined using the following calculation method:

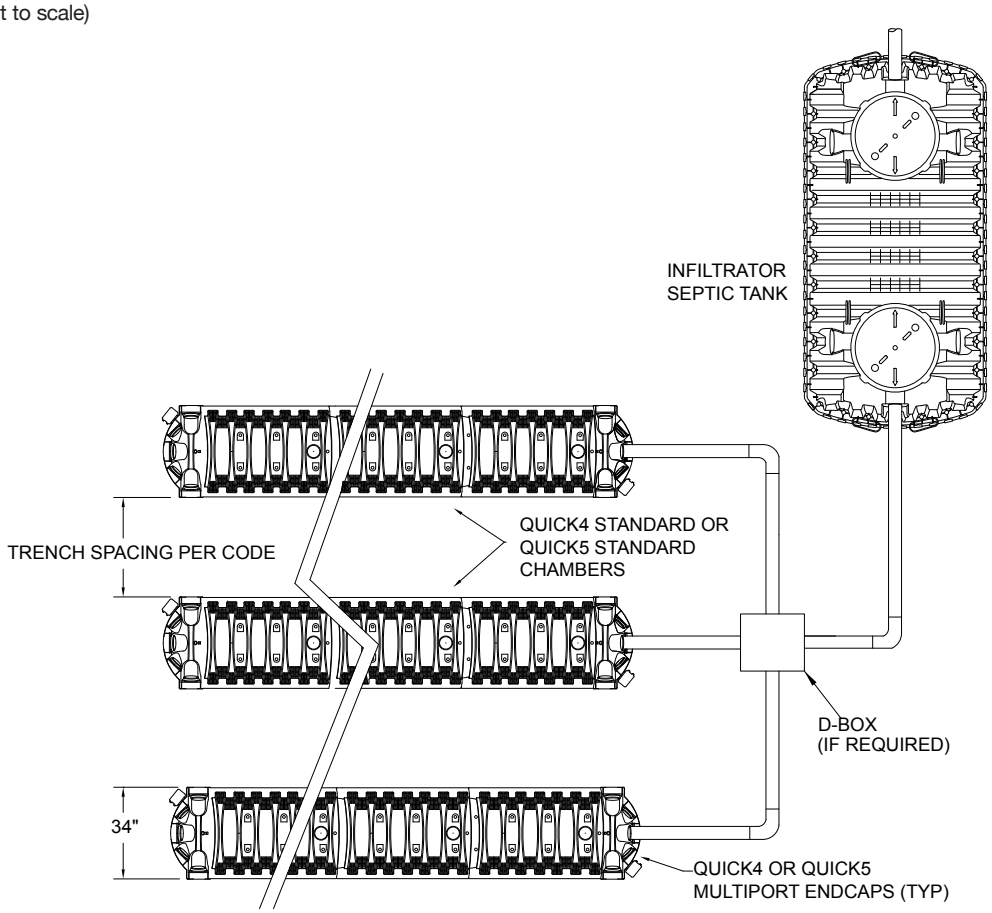
1. Verify that the aggregate depth is 28 inches.
2. Determine the required pipe and gravel trench length in feet.
3. Install the same length of double-stacked EZflow 1203H-GEO as is required for the 28-inch-deep pipe and gravel trench. Thus, for 250 feet of 28-inch deep pipe and gravel trench, 250 feet of double-stacked EZflow 1203H-GEO would be installed.

Quick4 Standard or Quick5 Standard Trench Configurations

TYPICAL QUICK4 STANDARD OR QUICK5 STANDARD
CROSS SECTION (not to scale)

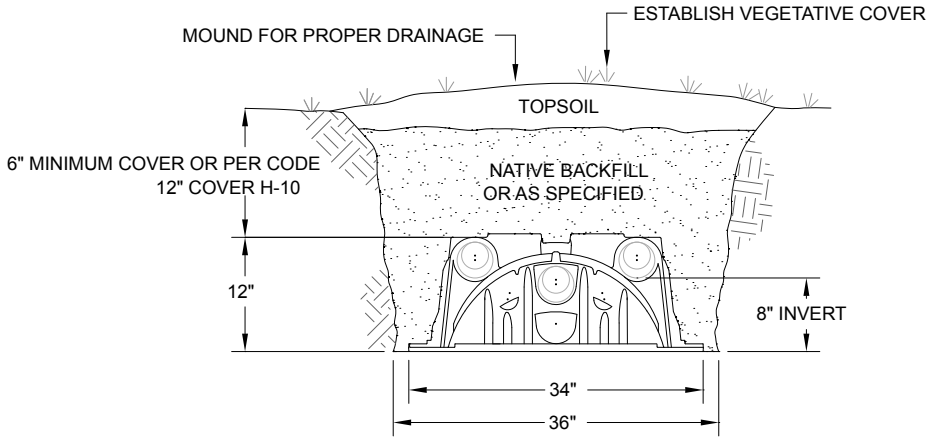


TYPICAL QUICK4 STANDARD OR QUICK5 STANDARD
PLAN VIEW (not to scale)

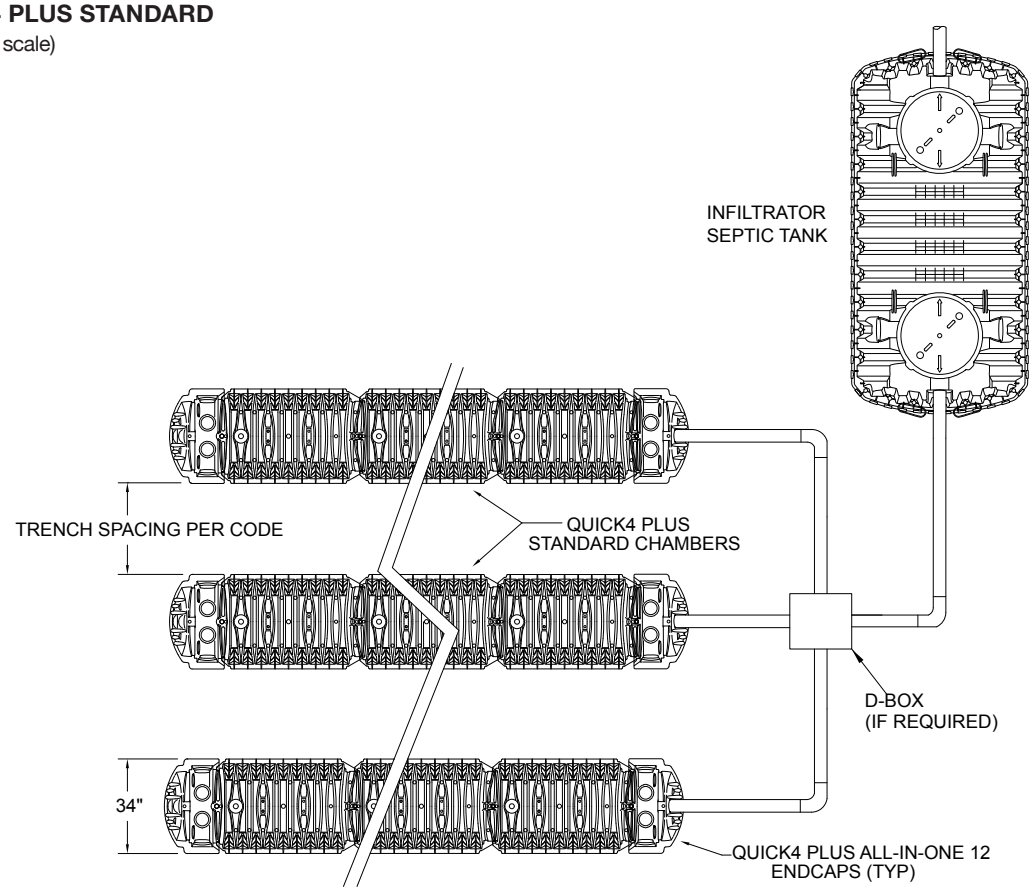


CHAMBER CONFIGURATIONS

Quick4 Plus Standard Trench Configurations

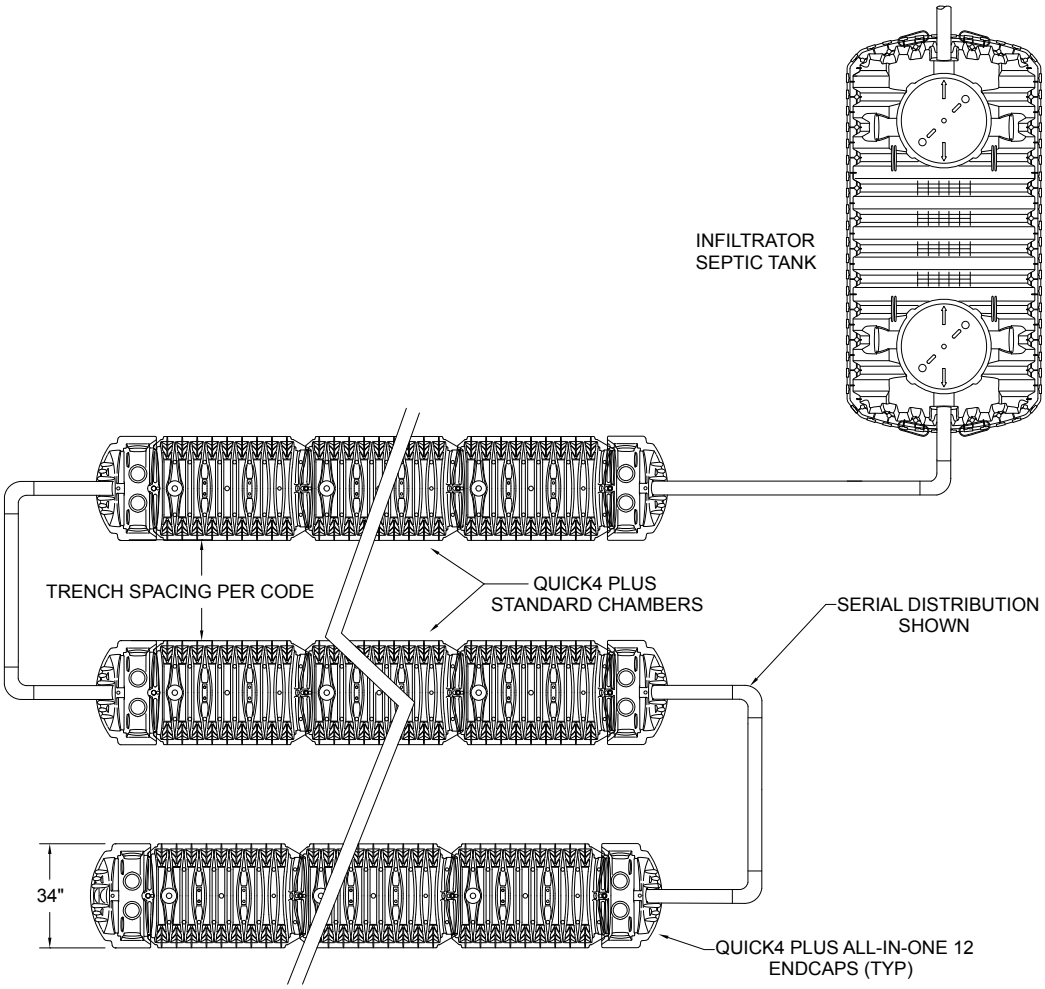


TYPICAL QUICK4 PLUS STANDARD
PLAN VIEW (not to scale)



Quick4 Plus Standard Trench Configuration – Serial Distribution

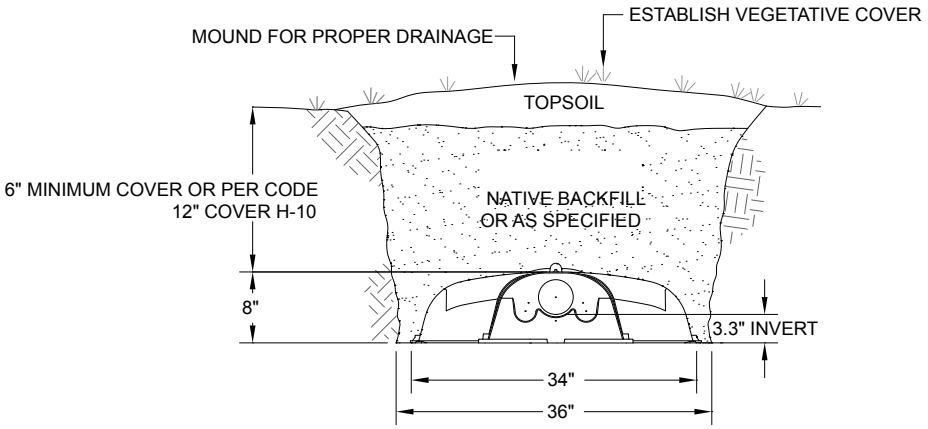
TYPICAL QUICK4 PLUS STANDARD
PLAN VIEW (not to scale)



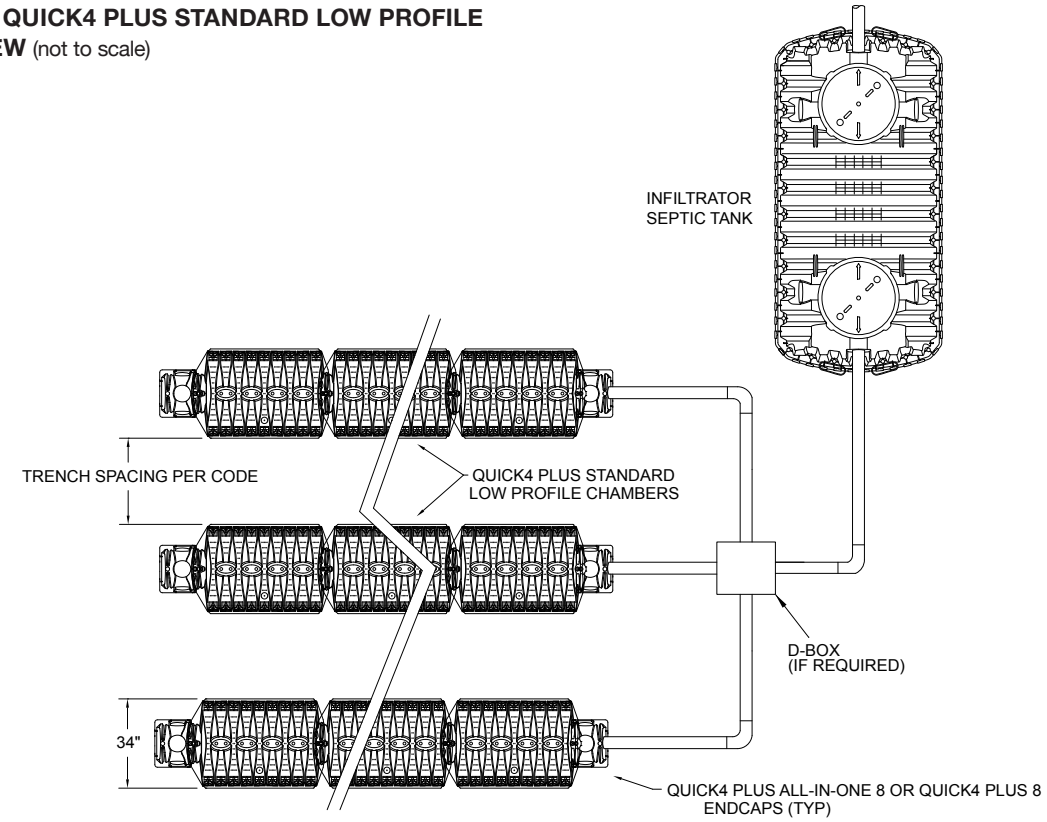
CHAMBER CONFIGURATIONS

Quick4 Plus Standard Low Profile Trench Configurations

TYPICAL QUICK4 PLUS STANDARD LOW PROFILE
CROSS SECTION (not to scale)

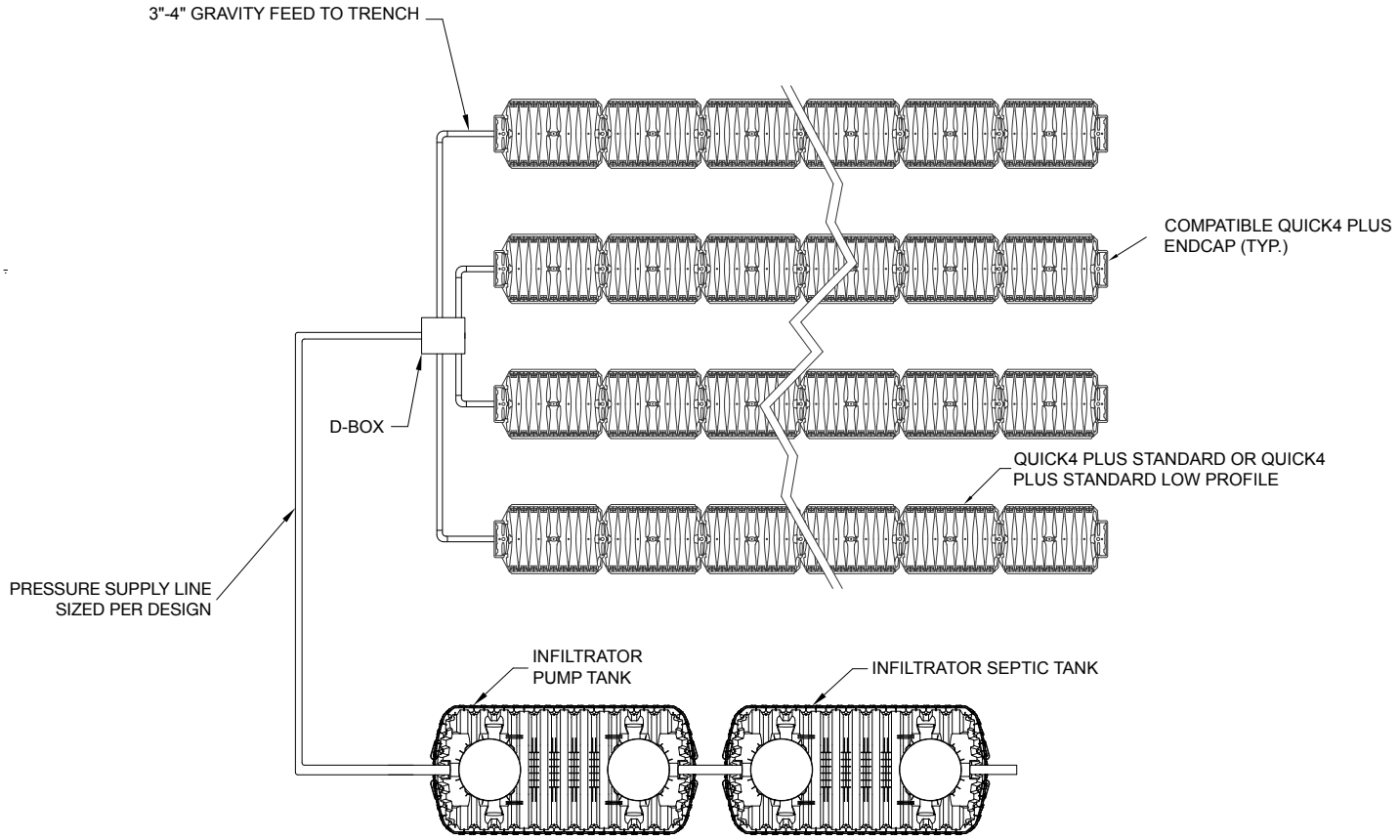


TYPICAL QUICK4 PLUS STANDARD LOW PROFILE
PLAN VIEW (not to scale)



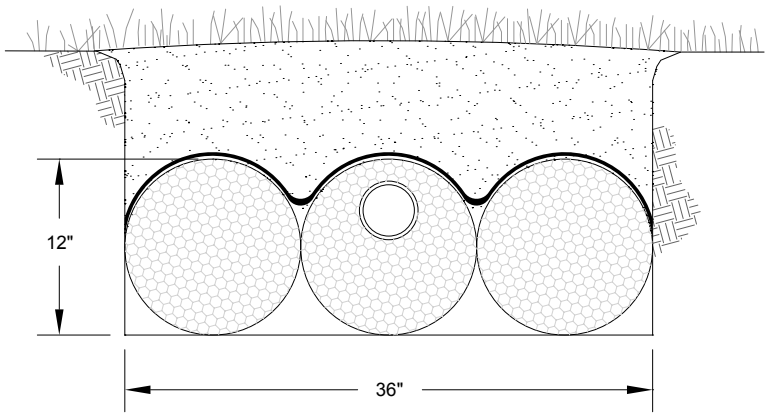
Pump Configuration – Pumping to D-Box to Gravity

PLAN VIEW (not to scale)



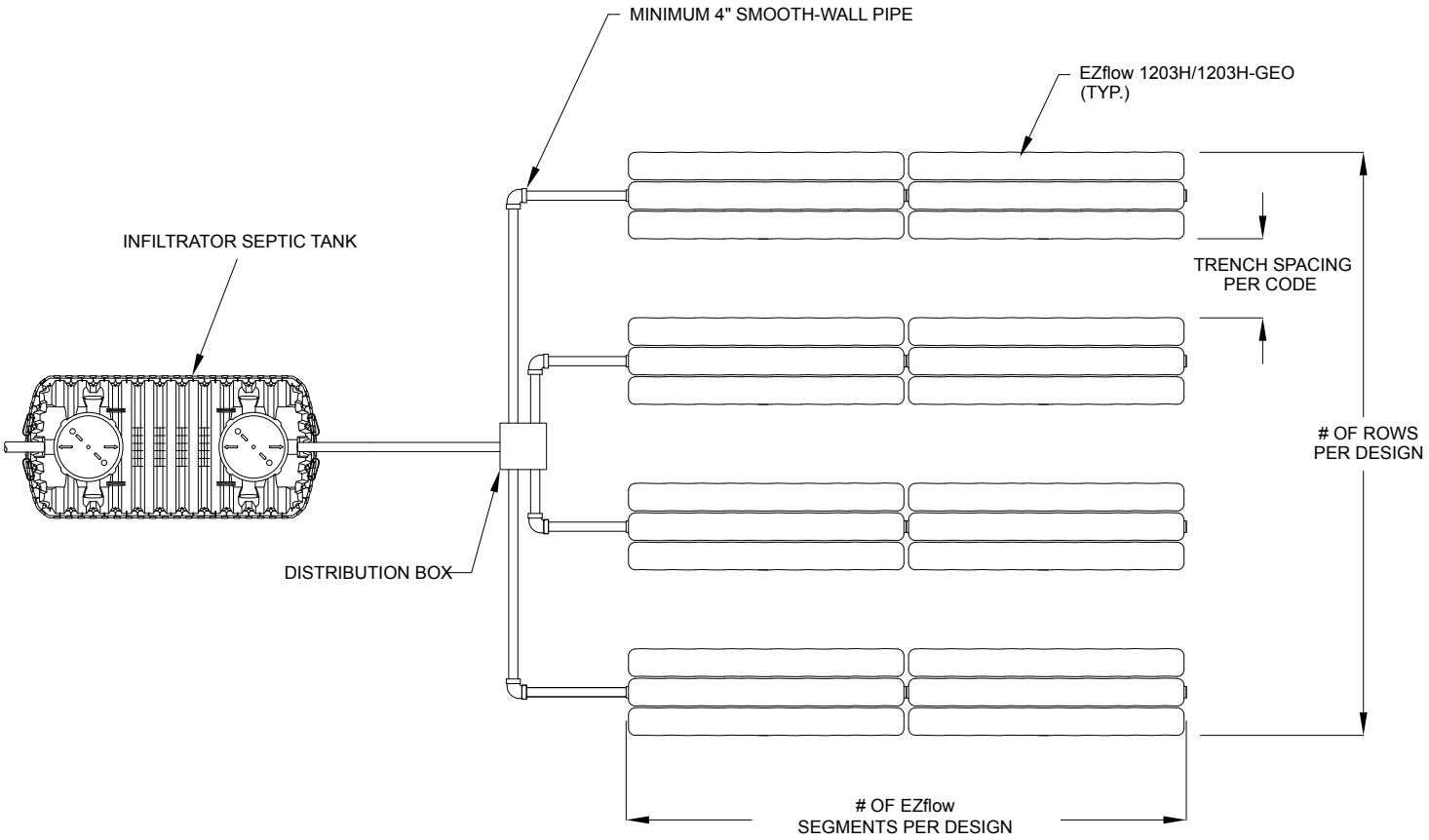
EZflow 1203H/1203H-GEO Trench Configuration

CROSS-SECTION (not to scale)



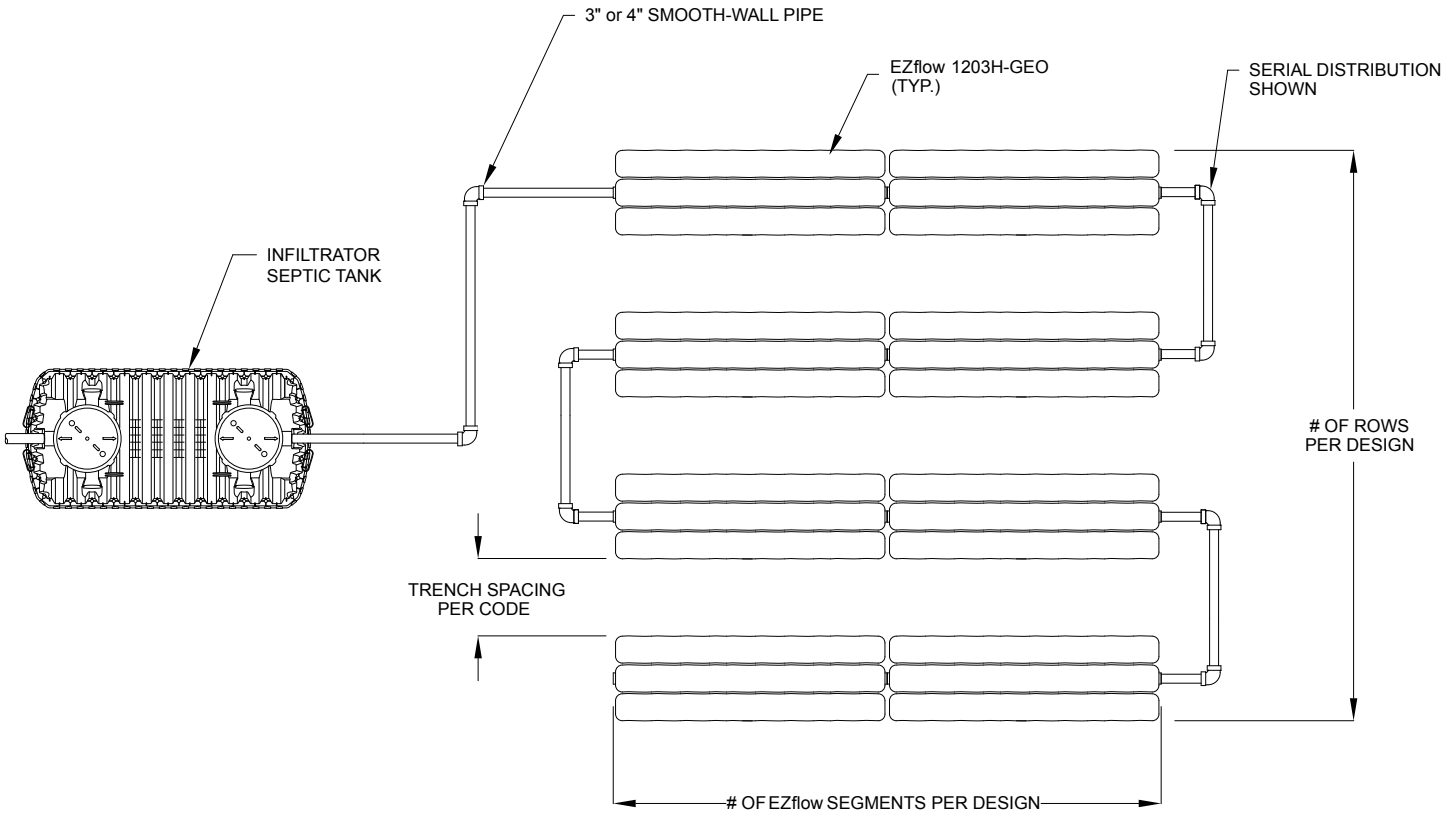
EZflow 1203H/1203H-GEO Trench Configuration

PLAN VIEW (not to scale)



EZflow 1203H/1203H-GEO Trench Configuration – Serial Distribution

PLAN VIEW (not to scale)



Quick4 Plus Chamber Systems

Before You Begin

These installation instructions are for Quick4 Plus chambers in South Carolina. These chambers may only be installed according to state and/or local regulations. If unsure of the installation requirements for a site, contact the health department. Similar to conventional systems, the soil and site conditions must be approved prior to installation. Conduct a thorough site evaluation to determine the proper size and location of the system before installation.

Materials and Equipment Needed

- ☐ Quick4 Plus Standard Chambers
- ☐ Quick4 Plus All-in-One 12 Endcaps
- ☐ Quick4 Plus LP Chambers
- ☐ Quick4 Plus 8 Endcaps
- ☐ Quick4 Plus All-in-One 8 Endcaps
- ☐ 1 1/4-inch Drywall Screws*
- ☐ Drill
- ☐ Hole Saw
- ☐ Screw Gun*
- ☐ Small Valve-cover Box*
- ☐ 4" Cap for Inspection Port
- ☐ Utility Knife
- ☐ Laser, Transit or Level
- ☐ Tape Measure
- ☐ Shovel and Rake

*Optional.

These guidelines for construction machinery must be followed during installation.

- ☐ Avoid direct contact with chambers when using construction equipment. Chambers require a 12-inch minimum of compacted cover to support a wheel load rating of 16,000 lbs/axle or equivalent to an H-10 AASHTO load rating.
- ☐ When installing in sandy soil conditions, wheeled construction equipment is prohibited over top of system. Tracked equipment can be used over top of system with a minimum of 6" of soil cover.
- ☐ Avoid stones larger than 3 inches in diameter in backfill. Remove stones this size or larger that are in contact with chambers.

Excavating and Preparing the Site

NOTE: As is the case with conventional systems, do not install the systems in wet conditions or in overly moist soils, as this causes machinery to smear the soil.

1. Stake out location of all trenches and lines. Set elevations of the tank, pipe, and trench bottom.

2. Install sedimentation and erosion control measures. Temporary drainage swales/berms may be installed to protect the site during rainfall events.

3. Excavate and level 36" wide trenches with proper center-to-center separation. Verify that trenches are level or have the prescribed slope. Chamber trenches shall be constructed as level as possible in all directions. Trenches shall follow the contour of the ground surface elevation.

NOTE: Over-excavate the trench width in areas where you are planning to contour.

4. Rake the bottom and sides if smearing has occurred while excavating. Remove any large stones and other debris. Do not use the bucket teeth to rake the trench bottom.

NOTE: Raking to eliminate smearing is not necessary in sandy soils. In fine textured soils (silts and clays), avoid walking in the trench to prevent compaction and loss of soil structure.

5. Verify levelness for each trench using a level, transit or laser.

Preparing the EndCap

NOTE: Quick4 Plus endcap systems are available for use with the Quick4 Plus chambers on either end of the trench, depending upon the installer's preference and configuration requirements.

1. The Quick4 Plus All-in-One 12 Endcap is compatible with the Quick4 Plus Standard chamber. The Quick4 Plus All-in-One 8 Endcap and Quick4 Plus 8 Endcap are compatible with the Quick4 Plus LP chambers.

NOTE: Endcap photos shown throughout this document are for demonstrative purposes only. The endcap being used may differ and is dependent upon the chamber being used and system design.

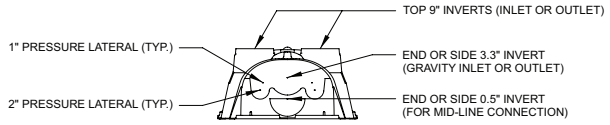
2. With a hole saw drill an opening appropriate for pipe diameter being used (typically 3-4 inches) on front or side of endcap using center point marking as a guide.

NOTE: When drilling inlet pipe use top three ports for distribution.

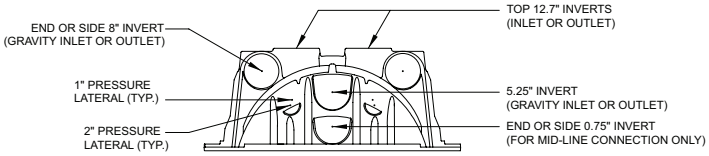


2. Drill endcap.

QUICK4 PLUS ALL-IN-ONE 8 ENDCAP DRILL LOCATIONS:



QUICK4 PLUS ALL-IN-ONE 12 ENDCAP DRILL LOCATIONS:



3. Snap off the molded splash plate located on the bottom front of the endcap.

4. Install splash plate into the appropriate slots below inlet to prevent trench bottom erosion.

Installing the System

1. Check the header pipe to be sure it is level or has the prescribed slope.

2. Set the invert height as specified in the design from the bottom of the inlet.

3. Place the first chamber in the trench.

4. Place the back edge of the endcap over the inlet end of the first chamber. Be sure to line up the locking pins on the top of both the chamber and endcap.



4. Place endcap inlet end.

5. Insert the inlet pipe 2.5 inches into the opening on the endcap.

6. Lift and place the end of the next chamber onto the previous chamber by holding it at a 45-degree angle. Line up the chamber end between the connector hook and locking pin at the top of the first chamber. Lower the chamber to the ground to connect the chambers.

NOTE: When the chamber end is placed between the connector hook and locking pin at a 45-degree angle, the pin will be visible from the back side of the chamber.

NOTE: The connector hook serves as a guide to ensure proper connection and does not add structural integrity to chamber joint. Broken hooks will not affect the structure or void the warranty.

7. Swivel the chamber on the pin to achieve the proper direction for trench layout.

NOTE: The chamber allows up to 10-degree swivel in either direction at each joint.

8. Continue connecting chambers until the trench is completed.

NOTE: As chambers are installed, verify levelness.

9. The last chamber in the trench requires an endcap. Lift the endcap at a 45-degree angle and align the connector hook on the top of the chamber with the raised slot on the top of the endcap. Lower the endcap to the ground and into place.

NOTE: Place a few shovels of soil around the endcap to secure it during backfill.



5. Insert inlet pipe.



6. Connect chambers.



7. Swivel chambers.



9. Place endcap outlet end.

10. To ensure structural stability, fill the sidewall area by pulling soil from the sides of the trench with a shovel. Start at the joints where the chambers connect. Continue backfilling the entire sidewall area, making sure the fill covers the louvers.

11. Pack down fill by walking along the edges of trench and chambers.

NOTE: In clay soils, do not walk in the sidewalls.

12. Proceed to the next trench and begin with Step 1.

Installing Quick4 Plus All-in-One 8 and Quick4 Plus All-in-One 12 Endcaps as a Mid-line Connection

1. With a hole saw, drill an opening on the provided drill point, appropriate for the pipe diameter being used on the side or on top (9.0" invert) of endcap.

NOTE: Piping configurations are determined by the preference of the installer or designer.

2. With a hole saw, drill an opening on the end of the Quick4 Plus All-in-One 8 Endcap to create an invert at 0.5 inches. This will allow effluent to fill both sides of the chamber line.

3. Snap off the molded splash plate located on the bottom front of the endcap.

4. Install splash plate into the appropriate slots below the inlet to prevent trench bottom erosion.

5. Place the back edge of the endcap over the inlet end of the first chamber. Be sure to line up the locking pins on the top of both chamber and endcap.

6. Insert connection pipe 2.5 inches into opening on endcap.



1. Drill endcap on top.



2. Drill endcap on end.

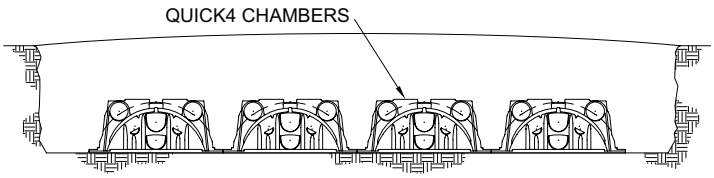


6. Insert connection pipe into endcap opening.

Trench Systems Greater Than Three Feet Wide Excavating and Preparing the Site

1. Excavate the desired depth of the bottom of the system. Chamber trenches shall be constructed as level as possible in all directions.

2. Install chambers so that the feet of each chamber are touching. (See below.)



Installing the Chambers

1. Check the levelness of the excavation area to make sure the depth is correct.

2. Check your header pipe to make sure that you have the proper fall coming from the distribution device.

3. Prepare the endcap as described on page 18.

4. Place the inlet end of the first chamber over the back edge of the endcap.

5. Lift and place the end of the next chamber onto the previous one at a 90-degree angle. Line up the chamber end between the connector hook and locking pin at the top of the first chamber. Lower it to the ground to connect the chambers.
6. Continue interlocking the chambers until bed is complete.

Covering the System

1. Apply the desired backfill material along the sides of the chambers to the top-of-the louver height and walk the soil in. Continue backfilling the soil to the top of chambers.

NOTE: When backfilling a wide excavation or using fill material, use a dozer, small box blade or a tracked skid-steer machine.

At-Grade and Fill Systems

Before You Begin

Materials and Equipment Needed

- ☐ Quick4 Plus Standard Chambers
- ☐ Quick4 Plus All-in-One 12 Endcaps
- ☐ Quick4 Plus Low Profile (LP) Chambers
- ☐ Quick4 Plus 8 Endcaps
- ☐ Quick4 Plus All-in-One 8 Endcaps
- ☐ PVC Pipe and Couplings
- ☐ Backhoe
- ☐ Drill
- ☐ Screw Gun*
- ☐ 4-inch Cap for Inspection Port
- ☐ Laser, Transit or Level
- ☐ Shovel and Rake
- ☐ 1 1/4-inch Drywall Screws*
- ☐ Hole Saw
- ☐ Small Valve-cover Box*
- ☐ Utility Knife
- ☐ Tape Measure

*Optional

These guidelines for construction machinery must be followed during installation:

- ☐ Avoid direct contact with chambers when using construction equipment. Chambers require a 12-inch minimum of compacted cover to support a wheel load rating of 16,000 lbs/axle or equivalent to an AASHTO H-10 load rating.
- ☐ When installing in sandy soil conditions, wheeled construction equipment is prohibited over top of Quick4 Plus Standard LP systems. Wheeled or tracked equipment can be used over top of systems with a minimum of 6” of stabilized soil cover.
- ☐ Avoid stones larger than 3 inches in diameter in backfill. Remove stones this size or larger that are in contact with chambers.

Fill Systems

Excavating and Preparing the Site

1. Excavate below the desired depth of the bottom of the chamber, per the rules and permit.
NOTE: Always stabilize sandy, loamy soils.
2. Use a coarse-grained sand to create desired trench bottom elevation.
3. Stabilize soil before installing chambers.

Installing the System

1. Check the header pipe to be sure it is level or has the prescribed slope.

2. Set the invert height as specified in the design from the bottom of the inlet.

3. Place the first chamber in the trench.

4. Place the back edge of the endcap over the inlet end of the first chamber. Be sure to line up the locking pins on the top of both chamber and endcap.

Optional: Fasten the endcap to the chamber with a screw at the top of the endcap.

5. Insert the inlet pipe 2.5 inches into the opening on the endcap.

6. Lift and place the end of the next chamber onto the previous chamber by holding it at a 45-degree angle. Line up the chamber end between the connector hook and locking pin at the top of the first chamber. Lower the chamber to the ground to connect chambers.

NOTE: When the chamber end is placed between the connector hook and locking pin at a 45-degree angle, the pin will be visible from the back side of the chamber.

NOTE: The connector hook serves as a guide to ensure proper connection and does not add structural integrity to chamber joint. Broken hooks will not affect structure or void warranty.

7. Swivel the chamber on the pin to achieve the proper direction for trench layout.

NOTE: The chamber allows up to 10-degree swivel in either direction at each joint.

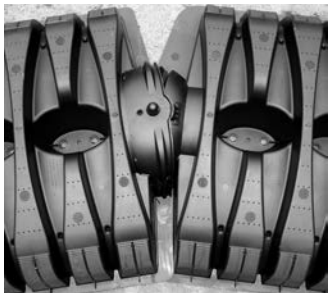
8. Continue connecting chambers until the trench is completed.

NOTE: As the chambers are installed, verify that they are level or have the prescribed slope.


4. Place endcap inlet end.


5. Insert inlet pipe.


6. Connect chambers.


7. Swivel chambers.


9. Place endcap outlet end.

9. The last chamber in the trench requires an endcap. Lift the endcap at a 45-degree angle and align the connector hook on the top of the chamber with the raised slot on the top of the endcap. Lower the endcap to the ground and into place.

NOTE: Place a few shovels of soil around the endcap to secure it during backfill.

10. To ensure structural stability, fill the sidewall area by pulling soil from the sides of the trench with a shovel. Start at the joints where the chambers connect. Continue backfilling the entire sidewall area, making sure the fill covers the louvers.

11. Pack down fill by walking along the edges of trench and chambers.

NOTE: In wet or clay soils, do not walk in the sidewalls.

Covering the System

1. Apply the desired backfill material along the sides of the chambers and walk the soil in. Continue backfilling the soil to the top of chambers.

NOTE: When backfilling a wide excavation or soil substitution system use a dozer, small box blade or a tracked vehicle.

NOTE: For at-grade or capped systems, Infiltrator Water Technologies requires a minimum of six inches of approved capping material.

NOTE: For fill systems, Infiltrator Water Technologies recommends but does not require the fill to be in place and allowed adequate time to settle before installation.

INSTALLATION INSTRUCTIONS – EZFLOW

EZflow bundles are 7, 9, 10 or 12 inches in diameter by 5 or 10 feet long. The polyethylene net bundles may contain perforated pipe surrounded by EPS aggregate or may be agregate only. One pipe-containing bundle is required in each trench.

In cases where linear footage required is not in multiples of 5 or 10, the installer must use an additional 5 or 10 feet of product to meet the minimum required trench length.

All sites shall meet the applicable site, soil, and construction criteria per the regultaions.

1. Excavate and level trenches. Verify that each trench is sloped per applicable state codes using a level, transit or laser.
2. EZflow bundles are flexible and can fit in curved trenches as may be necessary to install on contour.
3. If smearing or glazing of the trench sidewalls and bottom has occurred, these soil surfaces must be raked or scarified.
4. The plastic shipping wrap shall be removed before the bundles are placed in the trench. Remove all plastic shipping wrap in trench.
5. Place first bundle in the trench in the selected EZflow configuration. The top of each GEO bundle contains a pre-manufactured filter fabric between the netting and aggregate. The fabric is inserted to prevent soil intrusion. The installer shall make sure that the fabric is on top and is in contact with the fabric contained in the adjacent bundle before backfilling.
6. The top or center-most bundles containing pipe are joined end to end with approved internal pipe couplings.
7. Connect and place additional bundles with pipe in trenches until the required linear footage has been achieved.
8. Effluent lines from the distribution box shall be connected to the top or center-most pipe bundle in each trench with approved internal pipe connectors.
9. Obtain any required health department inspections prior to covering trenches.
10. If not using a GEO product, all bundles shall be covered with untreated building fabric or paper, or other suitable material.
11. Backfill should be native soil. Soil within 6” of the bundles shall be loosely placed and not compacted.
12. The trench top shall be compacted to the maximum degree possible with a backhoe bucket. The trench top shall be shaped or mounded to ensure surface water runoff. Minimum cover over the bundles shall conform to state codes.
13. Sod or seed drainfield area, as may be required, to control erosion. Roof and surface drainage should be diverted away from the trench area.

Repeat steps 1 through 13 for each required trench.

The top of configurations with the suffix “GEO” contain a filter fabric pre-manufactured in between the netting and aggregate. The fabric is inserted to prevent soil intrusion. The installer shall make sure that the fabric is on top and is in contact with the fabric contained in the adjacent bundle before backfilling. If not utilizing a GEO product, installer should use untreated building paper. Other barrier material may be used as approved by the health department and the manufacturer.

Obtain any required inspections by the health department before covering system. After the system has been completely covered, only drive across the trenches when necessary. Never drive along the trench lines. To avoid additional soil compaction, prevent any heavy equipment from driving across or along the trench lines. Sod or seed the drainfield area to control erosion, as may be required by permit or regulatory policy.

INFILTRATOR WATER TECHNOLOGIES, LLC ("INFILTRATOR")

Infiltrator Water Technologies, LLC STANDARD LIMITED Drainfield WARRANTY

(a) The structural integrity of each chamber, endcap and other accessory manufactured by Infiltrator (collectively referred to as "Units"), when installed and operated in a leachfield of an onsite septic system in accordance with Infiltrator's installation instructions, is warranted to the original purchaser ("Holder") against defective materials and workmanship for one year from the date upon which a Septic Operation Permit is issued for the septic system containing the Units; provided, however, that if a septic permit is not required for the septic system by applicable law, the one (1) year warranty period will begin upon the date that installation of the septic system commences. In order 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 those Units determined by Infiltrator to be defective and 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 (chamber, endcap or other accessory) 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 this Limited Warranty in any manner whatsoever, or to 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.

WARRANTY – TANKS

INFILTRATOR WATER TECHNOLOGIES, LLC ("INFILTRATOR")

INFILTRATOR® SEPTIC TANK LIMITED WARRANTY FIVE (5) YEAR MATERIALS AND WORKMANSHIP LIMITED WARRANTY

(a) This limited warranty is extended to the end user of an Infiltrator Tank. A Tank manufactured by Infiltrator, when installed and operated in accordance with Infiltrator's installation instructions and local regulation by a licensed installer, is warranted to you: (i) against defective materials and workmanship for five (5) years after installation. Infiltrator will, at its option, (i) repair the defective product or (ii) replace the defective materials. Infiltrator's liability specifically excludes the cost of removal and/or installation of the Tank.

(b) In order to exercise its warranty rights, you must notify Infiltrator in writing at its corporate headquarters in Old Saybrook, Connecticut within fifteen (15) days of the alleged defect.

(c) YOUR EXCLUSIVE REMEDY WITH RESPECT TO ANY AND ALL LOSSES OR DAMAGES RESULTING FROM ANY CAUSE WHATSOEVER SHALL BE SPECIFIED IN SUBPARAGRAPH (a) ABOVE. INFILTRATOR SHALL IN NO EVENT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES OF ANY KIND, HOWEVER OCCASIONED, WHETHER BY NEGLIGENCE OR OTHERWISE. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THIS LIMITA- TION OR EXCLUSION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE.

(d) THIS LIMITED WARRANTY IS THE EXCLUSIVE WARRANTY GIVEN BY INFILTRATOR AND SUPERSEDES ANY PRIOR, CONTRARY, ADDITIONAL, OR SUBSEQUENT REPRESENTATIONS, WHETHER ORAL OR WRITTEN. INFILTRATOR DISCLAIMS AND EXCLUDES TO THE GREATEST EXTENT ALLOWED BY LAW ALL OTHER WARRANTIES, WHETHER EXPRESS OR IMPLIED, OR STATUTORY, INCLUDING ANY WARRANTY OF MERCHANTABILITY, FINESSE FOR A PARTICULAR PURPOSE AND ANY IMPLIED WARRANTIES OTHERWISE ARISING FROM COURSE OF DEALING, COURSE OF PERFORMANCE, OR USAGE OF TRADE. NO PERSON (INCLUDING ANY EMPLOYEE, AGENT, DEALER, OR REPRESENTATIVE) IS AUTHORIZED TO MAKE ANY REPRESENTATION OR WARRANTY CONCERNING THIS PRODUCT, EXCEPT TO REFER YOU TO THIS LIMITED WARRANTY. EXCEPT AS EXPRESSLY SET FORTH HEREIN, THIS WARRANTY IS NOT A WARRANTY OF FUTURE PERFORMANCE, BUT ONLY A WARRANTY TO REPAIR OR REPLACE.

(e) YOU MAY ASSIGN THIS LIMITED WARRANTY TO A SUBSEQUENT PURCHASER OF YOUR HOME.

(f) NO REPRESENTATIVE OF INFILTRATOR HAS THE AUTHORITY TO CHANGE THIS LIMITED WARRANTY IN ANY MANNER WHATSOEVER, OR TO EXTEND THIS LIMITED WARRANTY.

(g) NO WARRANTY OF ANY KIND IS MADE WITH REGARD TO ANY PRODUCT, COMPONENTS, DEVICES, MEDIA OR TREATMENT UNITS WHICH ARE MANUFACTURED BY OTHERS AND ARE INSTALLED IN AN INFILTRATOR TANK. USE OF THESE PRODUCTS ARE AT YOUR OWN RISK.

(h) THE INFILTRATOR TANK IS DESIGNED TO BE BURIED UNDERGROUND. NO WARRANTY OF ANY KIND IS MADE IF YOUR TANK IS NOT BURIED UNDERGROUND AS SPECIFIED IN THE PRODUCT'S INSTALLATION INSTRUCTIONS.

CONDITIONS AND EXCLUSIONS

There are certain conditions or applications over which Infiltrator has no control. Defects or problems as a result of such conditions or applications are not the responsibility of Infiltrator and are NOT covered under this warranty. They include failure to install the Tank in accordance with instructions or applicable regulatory requirements or guidance, altering the Tank contrary to the installation instructions and disposing of chemicals or other materials contrary to normal tank usage.

The above represents the Standard Limited Warranty offered by Infiltrator. A limited number of states and counties have different warranty requirements. Any purchaser of a Tank 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 a Tank.

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