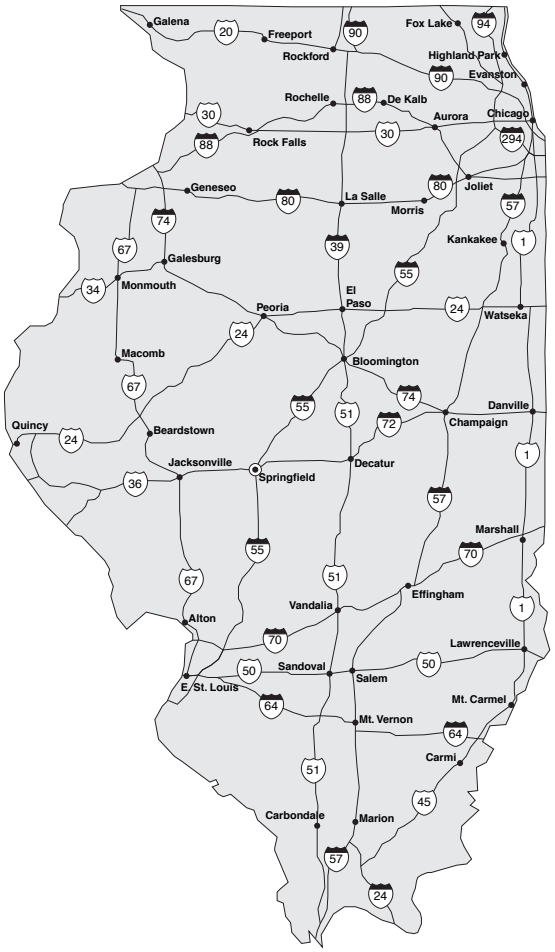
Infiltrator™
Water Technologies
Part of ADS

Illinois

Design and Installation Manual for Quick4 Chambers and EZflow in Illinois



The purpose of this product information sheet is to provide specific design and installation information pertinent for the use of Infiltrator Quick4 chambers and EZflow in Illinois. Infiltrator products must be used in conjunction with the standards described in the Illinois State Department of Public Health. This document provides a brief description of chamber and bundle sizing and specifications.

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

Infiltrator Products in Illinois

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Illinois

INTRODUCTION

Quick4 EQ36 Chambers

The Quick4 Equalizer 36 chamber can be installed in a 24-inch-wide or 30-inch-wide trench. There are a variety of system inletting options to choose from, with and without a distribution box.

Quick4 Equalizer 36 Nominal Chamber Dimensions

Size:	22”W x 48”L x 12”H
Chamber Rating:	4 sf/lf
Invert Elevation:	6”

QUICK4 EQUALIZER 36



Quick4 Plus EQ36LP Chambers

The Quick4 Plus Equalizer 36 Low Profile (LP) chamber can be installed in a 24-inch-wide trench. This chamber is 4-inches shorter than other Equalizer 36 models allowing for shallower installation where a shallow groundwater table, impervious conditions, or other restrictions limit vertical separation distance.

Quick4 Plus Equalizer 36 LP Nominal Chamber Dimensions

Size:	22”W x 48”L x 8”H
Chamber Rating:	4 sf/lf
Invert Elevation:	3.3” and 9”

QUICK4 PLUS EQUALIZER 36 LOW PROFILE



Quick4 Plus Standard LP Chambers

The Quick4 Plus Equalizer 36 Low Profile (LP) chamber can be installed into a 36-inch-wide trench. This chamber is 4-inches shorter than other Equalizer 36 models allowing for shallower installation where a shallow groundwater table, impervious conditions, or other restrictions limit vertical separation distance.

Quick4 Plus Standard LP Nominal Chamber Dimensions

Size:	34”W x 48”L x 8”H
Chamber Rating:	5 sf/lf
Invert Elevation:	3.3”, 9.6”

QUICK4 PLUS STANDARD LOW PROFILE



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.

EZflow 1202H GEO Dimensions

Sizing:	12”W x 10”L x 12”H
Rating:	4 sf/lf
Nominal Inlet Invert Height:	6”

EZflow 1203H GEO Dimensions

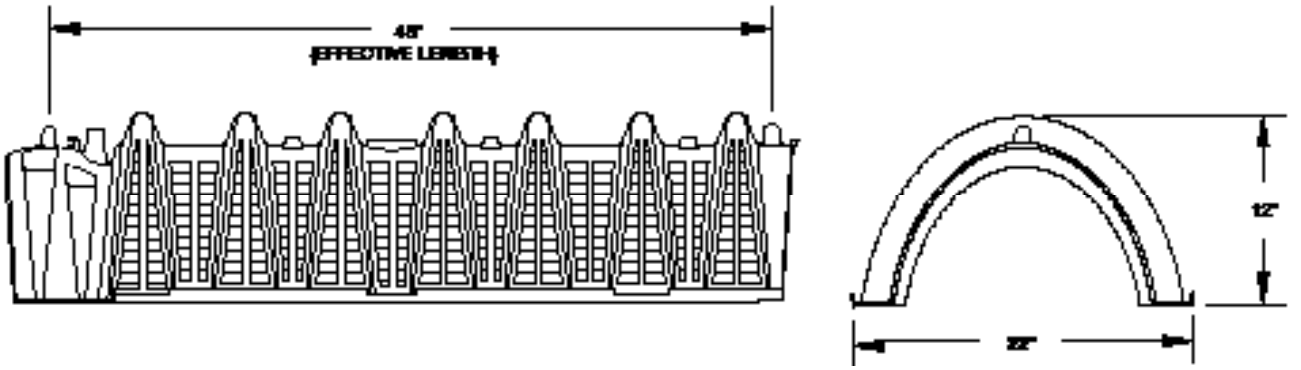
Sizing:	12”W x 10”L x 12”H
Rating:	5 sf/lf
Nominal Inlet Invert Height:	6”

EZFLOW GEOSYNTHETIC AGGREGATE BUNDLES



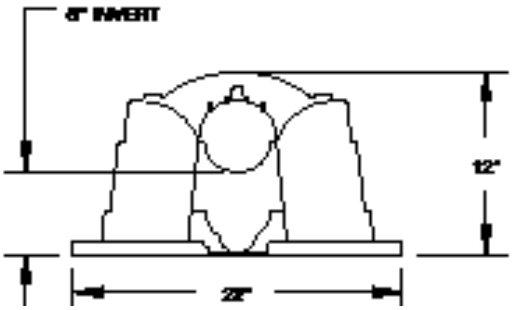
Quick4 Equalizer 36 Chamber

SIDE AND END VIEWS (not to scale)

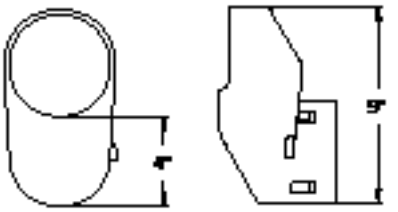


Quick4 Equalizer 36 Multiport Endcap

END VIEW (not to scale)

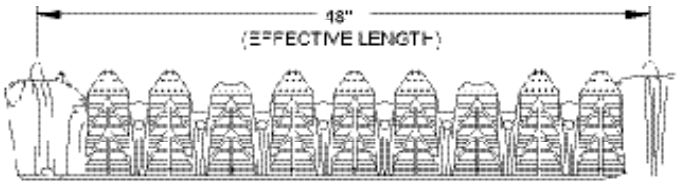


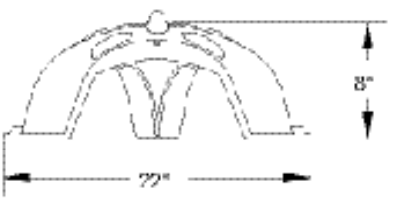
Inlet Adapter (not to scale)



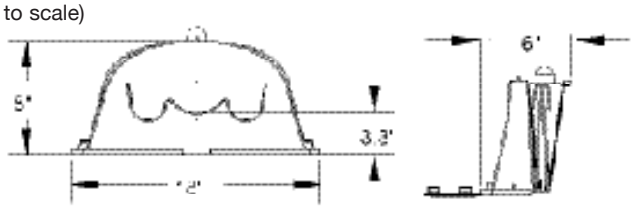
Quick4 Plus Equalizer 36 Low Profile (LP) Chambers

SIDE AND END VIEWS
(not to scale)





LOW PROFILE ENDCAP
(not to scale)

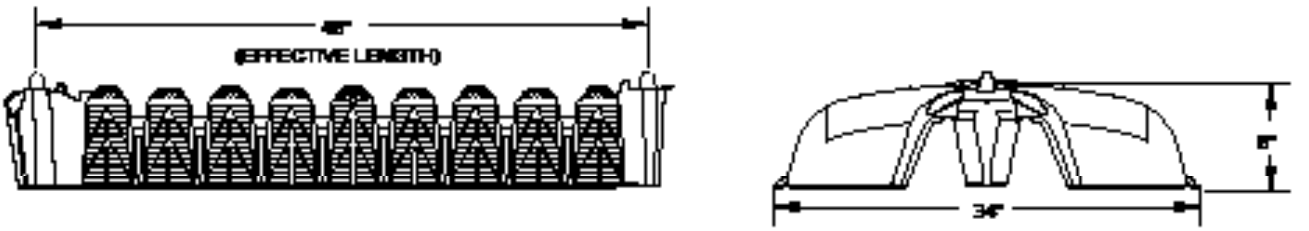


SIDE VIEW

PRODUCTS – CHAMBERS

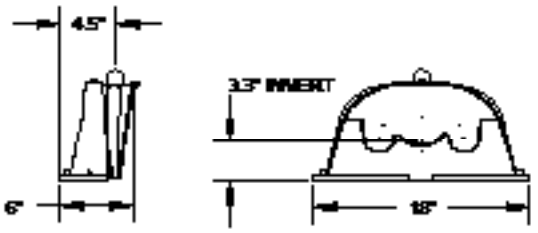
Quick4 Plus Standard LP Chamber

SIDE AND END VIEWS (not to scale)



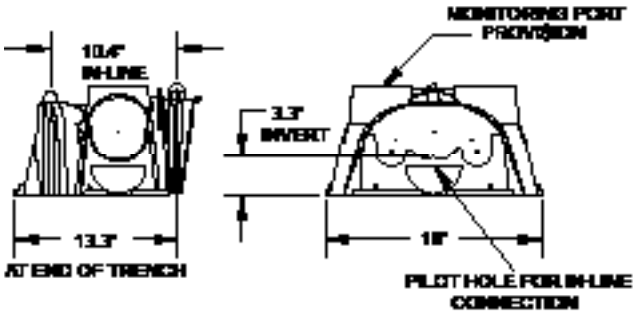
Quick4 Plus 8 Endcap

SIDE AND END VIEWS (not to scale)

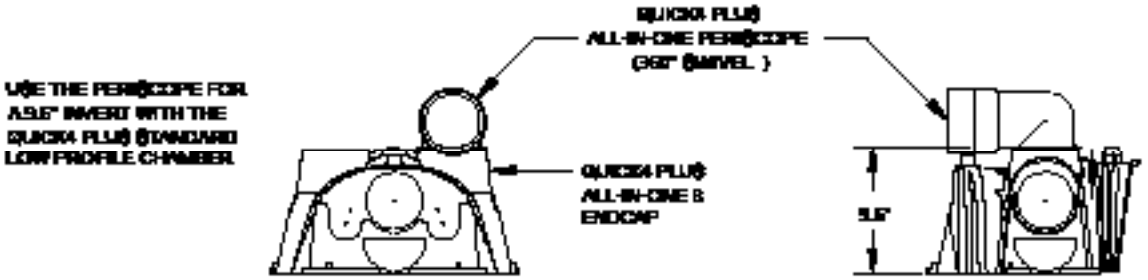


Quick4 Plus All-in-One 8 Endcap

SIDE AND END VIEWS (not to scale)

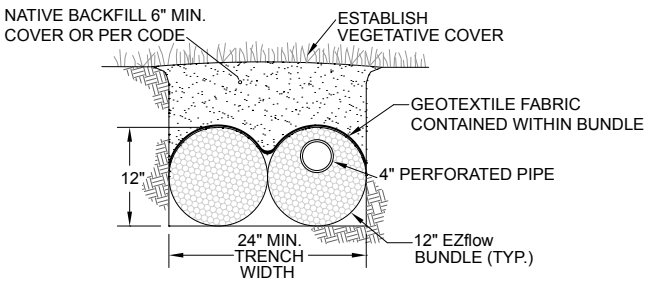


Quick4 Plus All-in-One 8 Periscopep

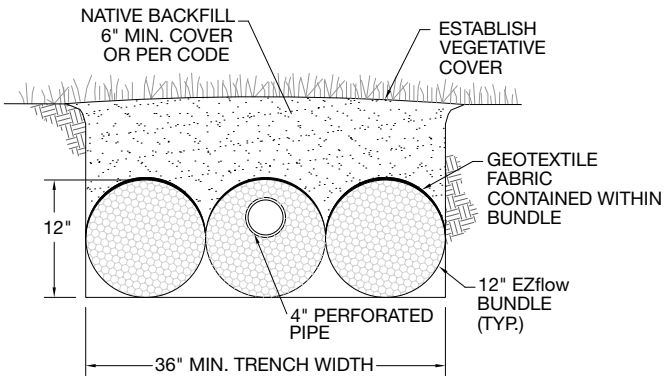


PRODUCTS – EZFLOW

EZflow 1202H-GEO



EZflow 1203H-GEO



SYSTEM SIZING – QUICK4 EQUALIZER 36 AND QUICK4 EQUALIZER 36 LP

Table 1: Soil Suitability for Onsite Sewage Design using Infiltrator Quick4 Plus Equalizer 36 Chambers

Design Group	Soil Group (Most Limiting Layer)	Minimum Separation to Limiting Layer	Permeability Range	Size of System		
				RESIDENTIAL Req. Absorption (ft^2/bedroom)	Quick4 EQ 36 Quick4 EQ 36 LP Chambers/ Bedroom	INST/COMM Allowable Application Rate (GPD/ft^2)*
I	1A	N/A	Very Rapid	N/A	N/A	N/A
II	2A; 2B; 2K	3 feet	Rapid	200	12.5	1.00
III	3B; 3K	3 feet	High, Moderately Rapid	220	13.8	0.91
IV	3A; 3C; 3L; 4B; 4K	3 feet	Low, Moderately Rapid	240	15.0	0.84
V	4A; 4C; 4D; 4L; 4M; 5B; 5D	3 feet	Very High, Moderate	265	16.6	0.75
VI	5C; 5E; 5K; 6F	3 feet	High, Moderate	290	18.1	0.69
VII	5A; 5H; 6D	2 feet	Moderate	325	20.3	0.62
VIII	4N; 5I; 5L; 6A; 6E; 6G; 6K	2 feet	Low, Moderate	385	24.1	0.52
IX	5J; 5M; 6C; 6H; 6L; 7A; 7D; 7F	2 feet	High, Moderatley Slow	445	27.8	0.45
X	6I; 7E; 7G; 8A	2 feet	Low, Moderatley Slow	500	31.3	0.40
XI	5N; 6J; 6M; 7I; 7K	2 feet	Slow	740	46.3	0.27
XII	7J; 7L; 8I	2 feet	Very Slow	1000	62.5	0.20
XII	6N; 7M; 7N; 8J; 8N	2 feet	N/A	N/A	N/A	0.00
XIII	9	SUBSURFACE DISPOSAL NOT RECOMMENDED				

Notes:

1. Multiply number of bedrooms by the required number chambers/bedroom. Round up total to whole number of chambers required.
   Example: A 3 bedroom system in design group VIII requires 73 Quick4 EQ36 chambers (3 bedrooms x 24.1 chambers/bedroom = 73 chambers).
2. Quick4 EQ36 Chamber Rating is 4.0 sf/lf or 16.0 sf/chamber. Chambers measure 4.0' each when connected.

* For institutional/commercial systems - divide system size (area in square feet) by 16.0 square feet per chamber for Quick4 Equalizer 36.

SYSTEM SIZING – QUICK4 STANDARD AND QUICK4 STANDARD LP

Table 2: Soil Suitability for Onsite Sewage Design using Infiltrator Quick4 Standard and Quick4 Standard LP Chambers

Design Group	Soil Group (Most Limiting Layer)	Minimum Separation to Limiting Layer	Permeability Range	Size of System		
				RESIDENTIAL Req. Absorption (ft^2/bedroom)	Quick4 Standard Quick4 Plus Standard LP Chambers/ Bedroom	INST/COMM Allowable Application Rate (GPD/ft^2)*
I	1A	N/A	Very Rapid	N/A	N/A	N/A
II	2A; 2B; 2K	3 feet	Rapid	200	10.0	1.00
III	3B; 3K	3 feet	High, Moderately Rapid	220	11.0	0.91
IV	3A; 3C; 3L; 4B; 4K	3 feet	Low, Moderately Rapid	240	12.0	0.84
V	4A; 4C; 4D; 4L; 4M; 5B; 5D	3 feet	Very High, Moderate	265	13.5	0.75
VI	5C; 5E; 5K; 6F	3 feet	High, Moderate	290	14.5	0.69
VII	5A; 5H; 6D	2 feet	Moderate	325	16.3	0.62
VIII	4N; 5I; 5L; 6A; 6E; 6G; 6K	2 feet	Low, Moderate	385	19.3	0.52
IX	5J; 5M; 6C; 6H; 6L; 7A; 7D; 7F	2 feet	High, Moderatley Slow	445	22.3	0.45
X	6I; 7E; 7G; 8A	2 feet	Low, Moderatley Slow	500	25.0	0.40
XI	5N; 6J; 6M; 7I; 7K	2 feet	Slow	740	37.0	0.27
XII	7J; 7L; 8I	2 feet	Very Slow	1,000	50.0	0.20
XII	6N; 7M; 7N; 8J; 8N	2 feet	N/A	N/A	N/A	0.00
XIII	9	SUBSURFACE DISPOSAL NOT RECOMMENDED				

Notes:
1. Multiply number of bedrooms by the required number chambers/bedroom. Round up total to whole number of chambers required.
Example: A 3 bedroom system in design group VIII requires 57 Quick4 Standard and Quick4 Plus Standard LP chambers (3 bedrooms x 19.3 chambers/bedroom = 58 chambers).
Quick4 Standard and Quick4 Plus Standard LP chambers are approved at 5.0 sq/ft
* For institutional/commercial systems - divide system size (area in square feet) by 20.0 square feet per chamber for Quick4 Standard and Quick4 Plus Standard LP chamber.

SYSTEM SIZING – EZFLOW

Table 3: Soil Suitability for Onsite Sewage Design using Infiltrator EZflow 1202H-GEO

Design Group	Soil Group (Most Limiting Layer)	Minimum Separation to Limiting Layer	Permeability Range	Size of System		
				RESIDENTIAL Req. Absorption (ft^2/bedroom)	EZflow 1202H-GEO Feet Per BDRM	INST/COMM Allowable Application Rate (GPD/ft^2)*
I	1A	N/A	Very Rapid	N/A	N/A	N/A
II	2A; 2B; 2K	3 feet	Rapid	200	50.0	1.00
III	3B; 3K	3 feet	High, Moderately Rapid	220	55.0	0.91
IV	3A; 3C; 3L; 4B; 4K	3 feet	Low, Moderately Rapid	240	60.0	0.84
V	4A; 4C; 4D; 4L; 4M; 5B; 5D	3 feet	Very High, Moderate	265	67.0	0.75
VI	5C; 5E; 5K; 6F	3 feet	High, Moderate	290	73.0	0.69
VII	5A; 5H; 6D	2 feet	Moderate	325	82.0	0.62
VIII	4N; 5I; 5L; 6A; 6E; 6G; 6K	2 feet	Low, Moderate	385	97.0	0.52
IX	5J; 5M; 6C; 6H; 6L; 7A; 7D; 7F	2 feet	High, Moderatley Slow	445	112.0	0.45
X	6I; 7E; 7G; 8A	2 feet	Low, Moderatley Slow	500	125.0	0.40
XI	5N; 6J; 6M; 7I; 7K	2 feet	Slow	740	185.0	0.27
XII	7J; 7L; 8I	2 feet	Very Slow	1,000	250.0	0.20
XII	6N; 7M; 7N; 8J; 8N	2 feet	N/A	N/A	N/A	0.00
XIII	9	SUBSURFACE DISPOSAL NOT RECOMMENDED				

Notes:

1. Multiply number of bedrooms by the required number EZflow/bedroom. Round up total to whole number of bundles required.
Example: A 3 bedroom system in design group VIII requires 291 linear feet of Ezflow 1202H-GEO (3 bedrooms x 97 linear feet/bedroom = 291 linear feet).
2. EZflow 1202H-GEO Rating is 4.0 sf/lf or 40.0 sf per 10-ft bundle.
* For institutional/commercial systems - divide system size (area in square feet) by 40.0 per bundle of 1202H-GEO.
3. Please note the 1201P-GEO is approved for use and sized at 3.0 sf/lf or 30 sq/ft per 10-ft bundle.

SYSTEM SIZING – EZFLOW

Table 4: Soil Suitability for Onsite Sewage Design using Infiltrator EZflow 1203H-GEO

Design Group	Soil Group (Most Limiting Layer)	Minimum Separation to Limiting Layer	Permeability Range	Size of System		
				RESIDENTIAL Req. Absorption (ft^2/bedroom)	EZflow 1203H-GEO Feet Per BDRM	INST/COMM Allowable Application Rate (GPD/ft^2)*
I	1A	N/A	Very Rapid	N/A	N/A	N/A
II	2A; 2B; 2K	3 feet	Rapid	200	40.0	1.00
III	3B; 3K	3 feet	High, Moderately Rapid	220	44.0	0.91
IV	3A; 3C; 3L; 4B; 4K	3 feet	Low, Moderately Rapid	240	48.0	0.84
V	4A; 4C; 4D; 4L; 4M; 5B; 5D	3 feet	Very High, Moderate	265	53.0	0.75
VI	5C; 5E; 5K; 6F	3 feet	High, Moderate	290	58.0	0.69
VII	5A; 5H; 6D	2 feet	Moderate	325	65.0	0.62
VIII	4N; 5I; 5L; 6A; 6E; 6G; 6K	2 feet	Low, Moderate	385	77.0	0.52
IX	5J; 5M; 6C; 6H; 6L; 7A; 7D; 7F	2 feet	High, Moderatley Slow	445	89.0	0.45
X	6I; 7E; 7G; 8A	2 feet	Low, Moderatley Slow	500	100.0	0.40
XI	5N; 6J; 6M; 7I; 7K	2 feet	Slow	740	148.0	0.27
XII	7J; 7L; 8I	2 feet	Very Slow	1000	200.0	0.20
XII	6N; 7M; 7N; 8J; 8N	2 feet	N/A	N/A	N/A	N/A
XIII	9	SUBSURFACE DISPOSAL NOT RECOMMENDED				

Notes:

1. To determine the number of bundles required divide the absorption area in (sq.ft) by approved product rating of 5.0 (sq.ft) to determine number of bundles. If less than a whole number round up. Bundles are sold in packs of 3.

Example: A 3 bedroom system in design group VIII requires 291 linear feet of Ezflow 1203H-GEO (3 bedrooms x 77 linear feet/bedroom = 231 linear feet).

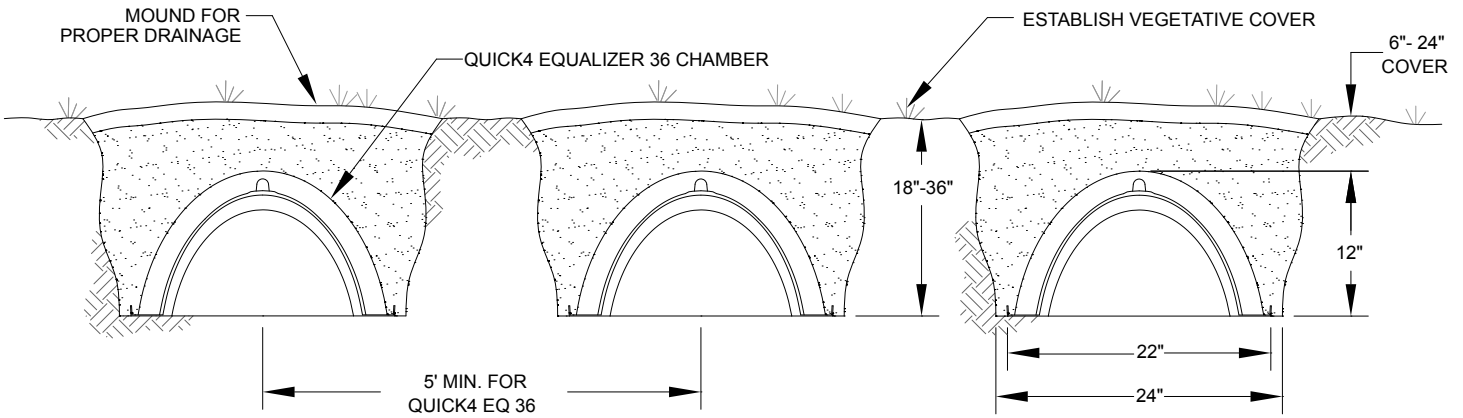
2. EZflow 1203H-GEO Rating is 5.0 sf/lf or 50.0 sf per 10-ft bundle.

* For institutional/commercial systems - divide system size (area in square feet) by 50.0 per bundle of 1203H-GEO.

3. Please note the 1201P-GEO is approved for use and sized at 3.0 sf/lf or 30 sq/ft per 10-ft bundle.

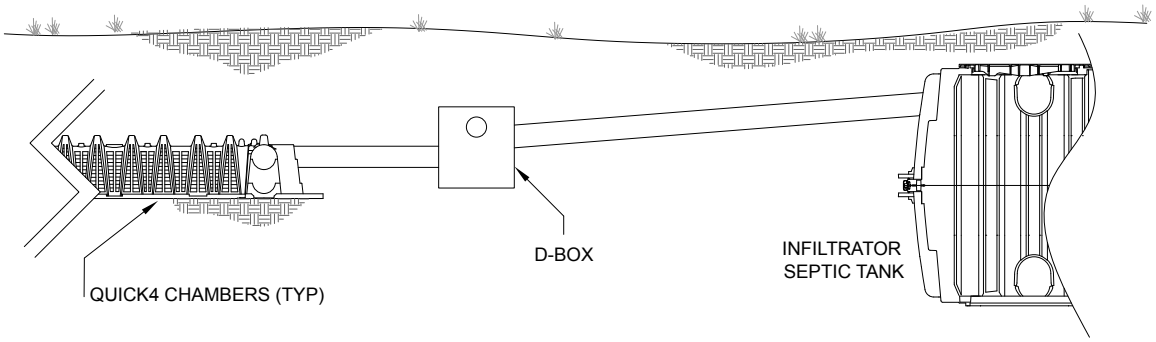
Quick4 Equalizer 36 Trench Configurations

TYPICAL CROSS SECTION (not to scale)



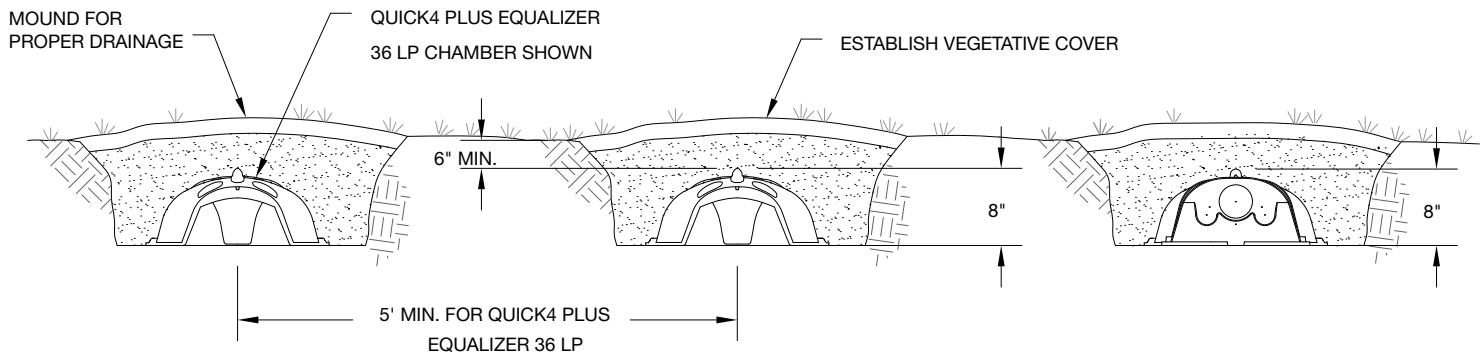
Note: The Quick4 EQ36 chamber is 22” wide and can be installed in a 24” trench.

TYPICAL SIDE VIEW (not to scale)



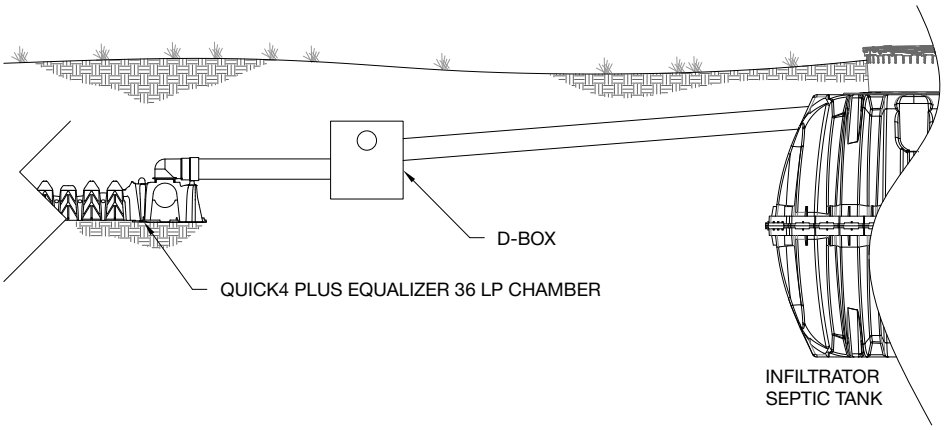
Quick4 Plus Equalizer 36 LP and Quick4 Plus Standard LP Trench Configurations

TYPICAL CROSS SECTION (not to scale)



Note:
1. The Quick4 EQ36LP chamber is 22” wide and can be installed in a 24” trench.
2. The Quick4+STDLP chamber is 34” wide and can be installed in a 36” trench.

TYPICAL SIDE VIEW (not to scale)

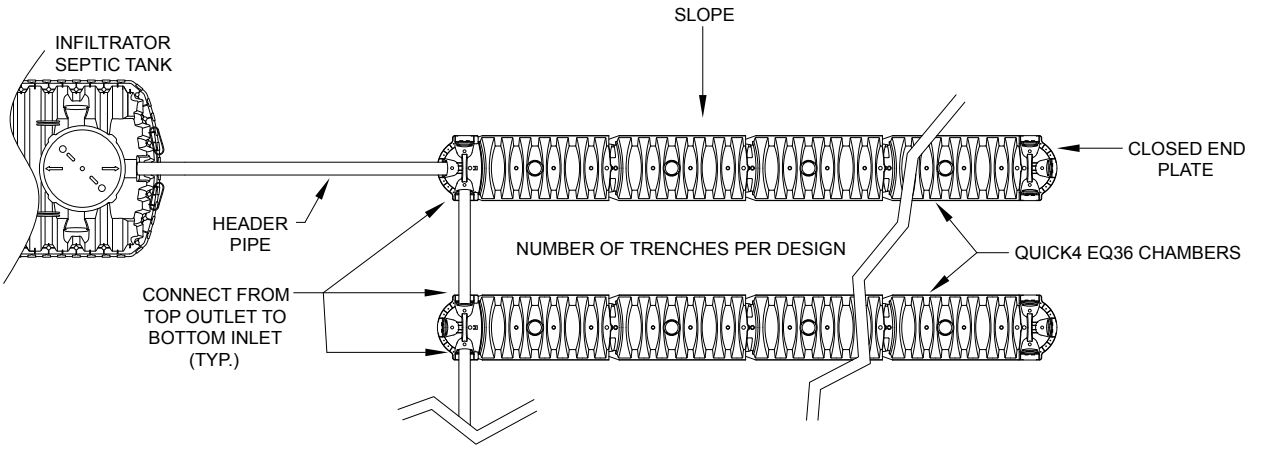


CHAMBER CONFIGURATIONS – SERIAL DISTRIBUTION

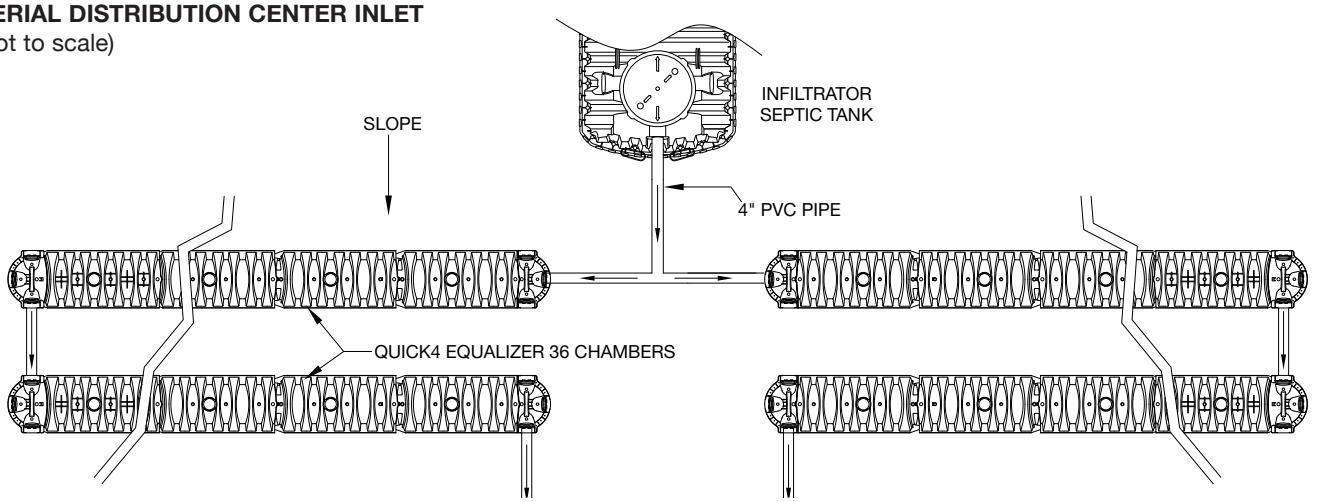
Quick4 Equalizer 36

Chambers using gravity-fed serial distribution methods may be laid out with the same-end inlet, center inlet or alternate-end inlet. The figures below illustrate some of these typical design options.

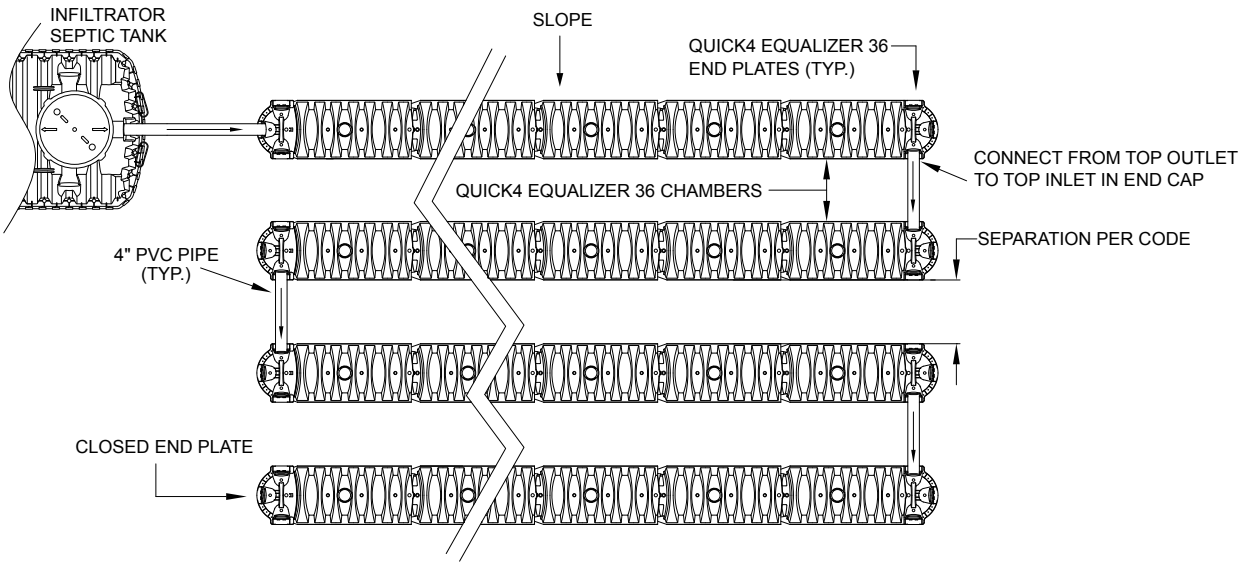
SERIAL DISTRIBUTION SAME-END INLET (not to scale)



SERIAL DISTRIBUTION CENTER INLET
(not to scale)



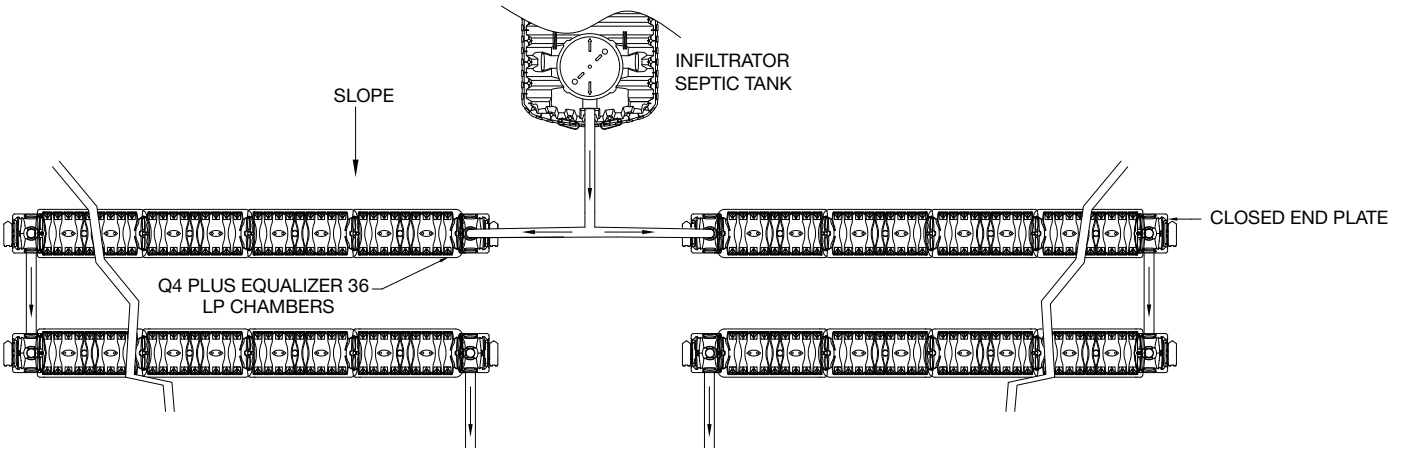
SERIAL DISTRIBUTION ALTERNATE-END INLET (not to scale)



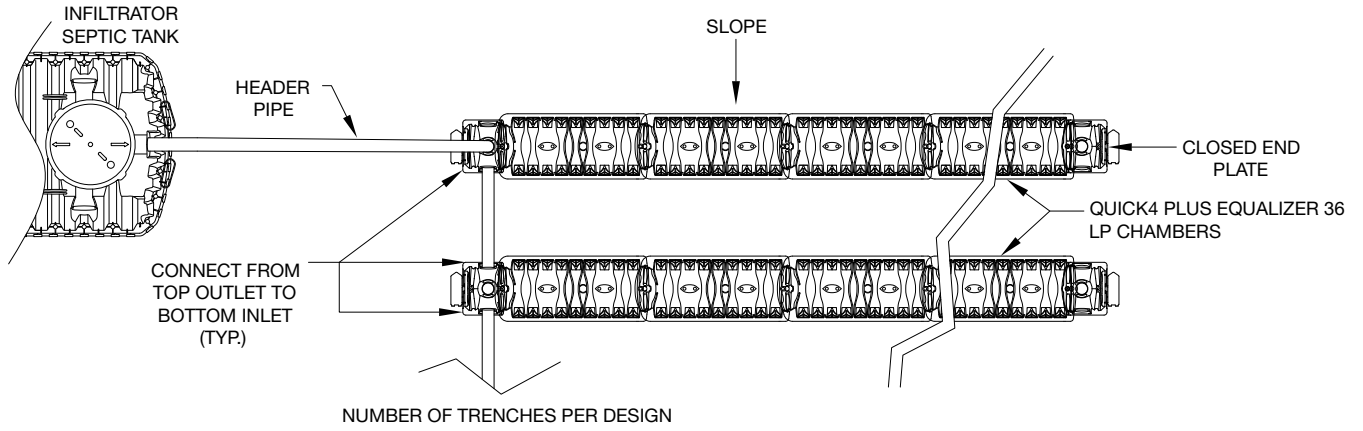
Quick4 Plus Equalizer 36 LP & Quick4 Plus Standard LP Serial Distribution Approved System Designs

Chambers using gravity-fed serial distribution methods may be laid out with the same-end inlet, center inlet or alternate-end inlet. The figures below illustrate some of these typical design options.

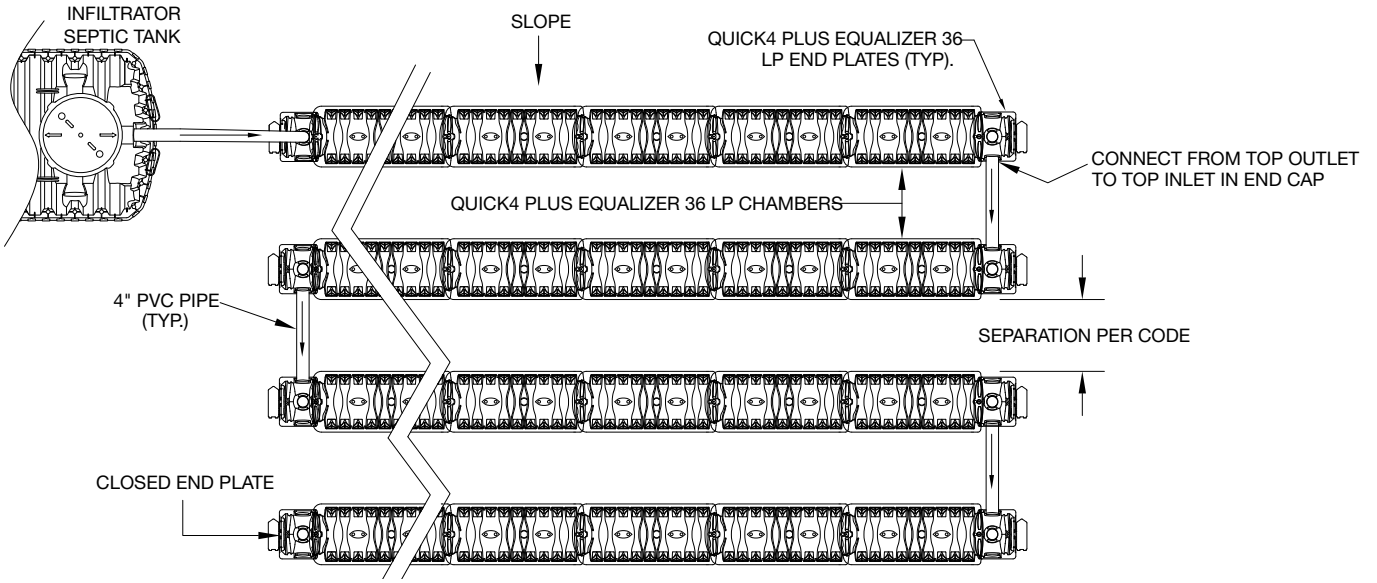
SERIAL DISTRIBUTION SAME-END INLET (not to scale)



SERIAL DISTRIBUTION CENTER INLET (not to scale)



SERIAL DISTRIBUTION ALTERNATE-END INLET (not to scale)

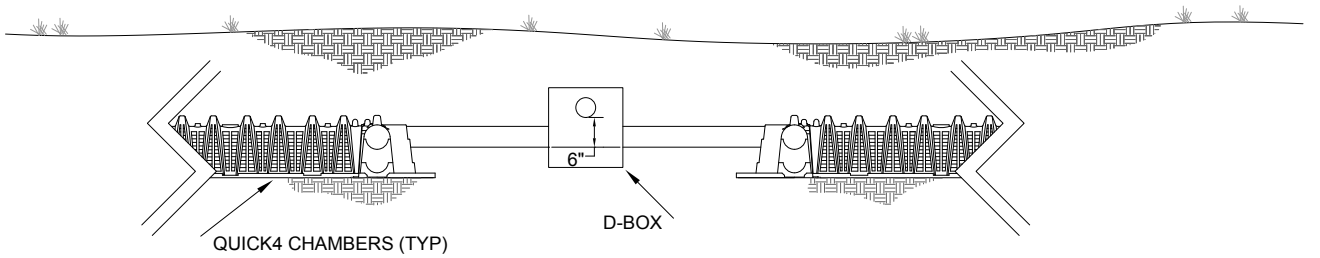


CHAMBER CONFIGURATIONS – SERIAL DISTRIBUTION

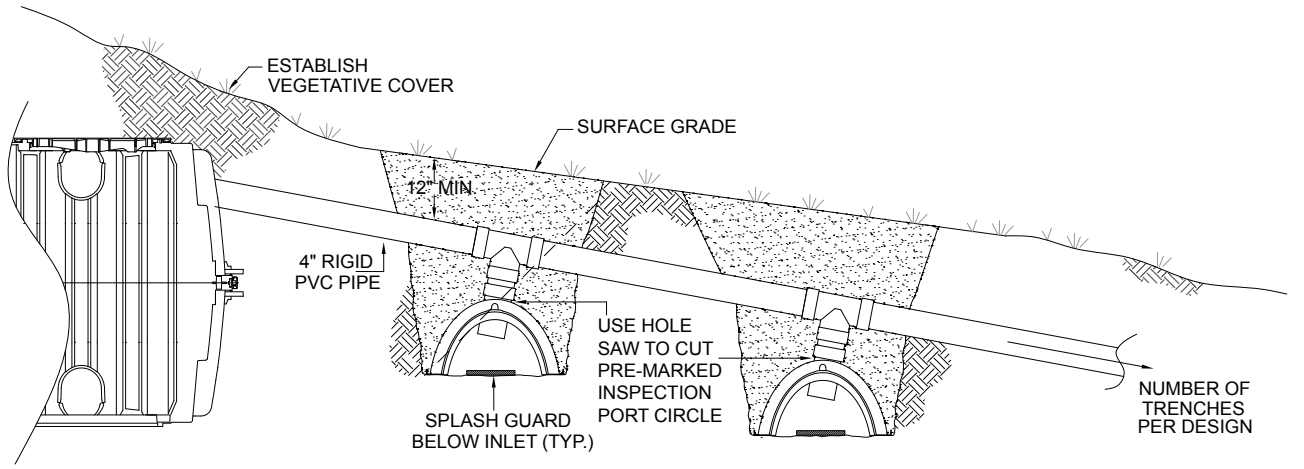
Quick4 Equalizer 36

Using the Same-End and Center Inlet Serial Drop Box Method, create a 4.25-inch diameter hole in the end cap at a 3.25-inch invert. Place drop box so header pipe is level.

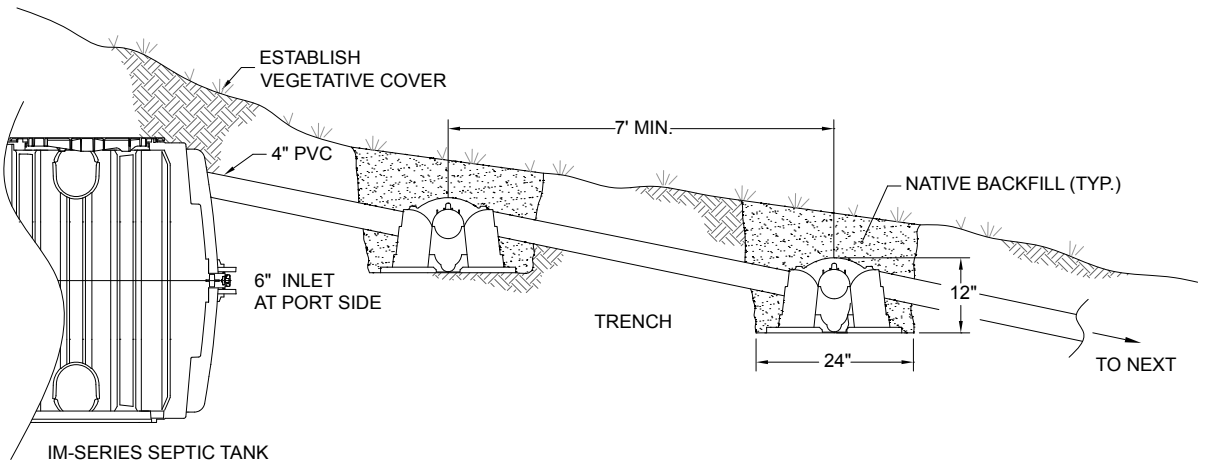
SAME-END AND CENTER INLET SERIAL DROP BOX (not to scale)



INSPECTION PORT INLET CROSS SECTION (not to scale)



SAME-END SERIAL DISTRIBUTION LOW INLET / HIGH OVERFLOW CROSS SECTION (not to scale)

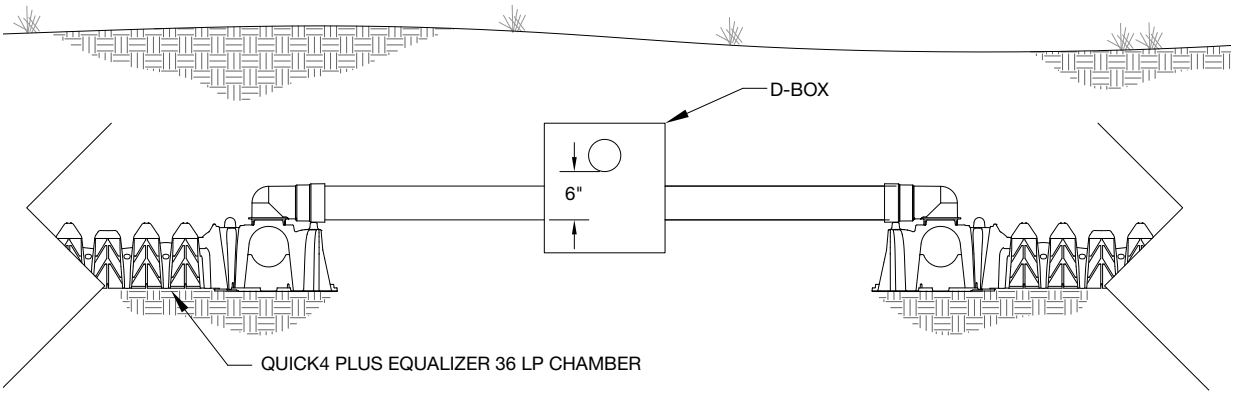


CHAMBER CONFIGURATIONS – SERIAL DISTRIBUTION

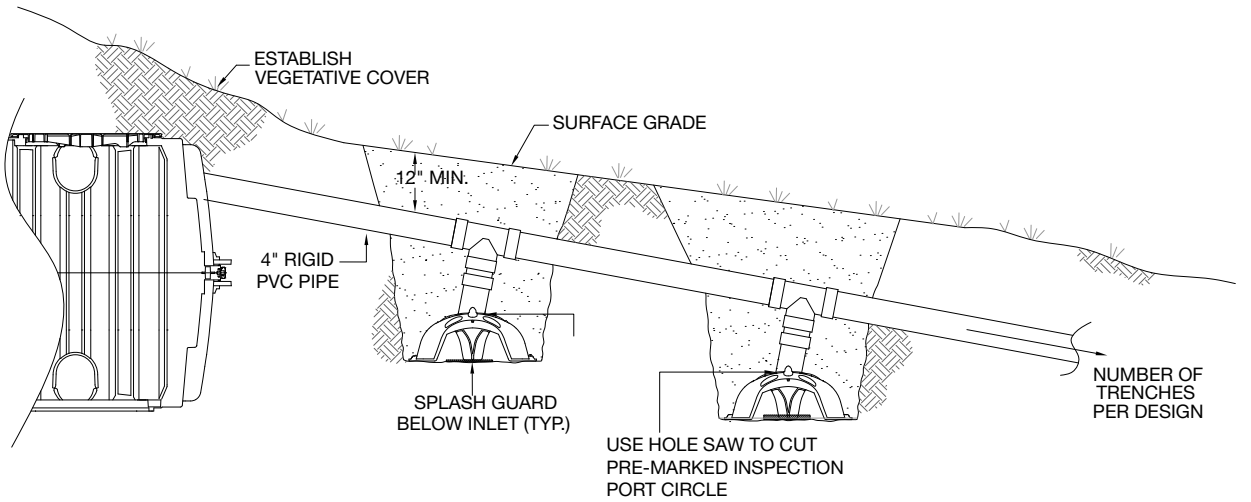
Quick4 Plus Equalizer 36 LP & Quick4 Plus Standard LP Serial Distribution

Using the Same-End and Center Inlet Serial Drop Box Method, create a 4.25-inch diameter hole in the end cap at a 3.25-inch invert. Place drop box so header pipe is level.

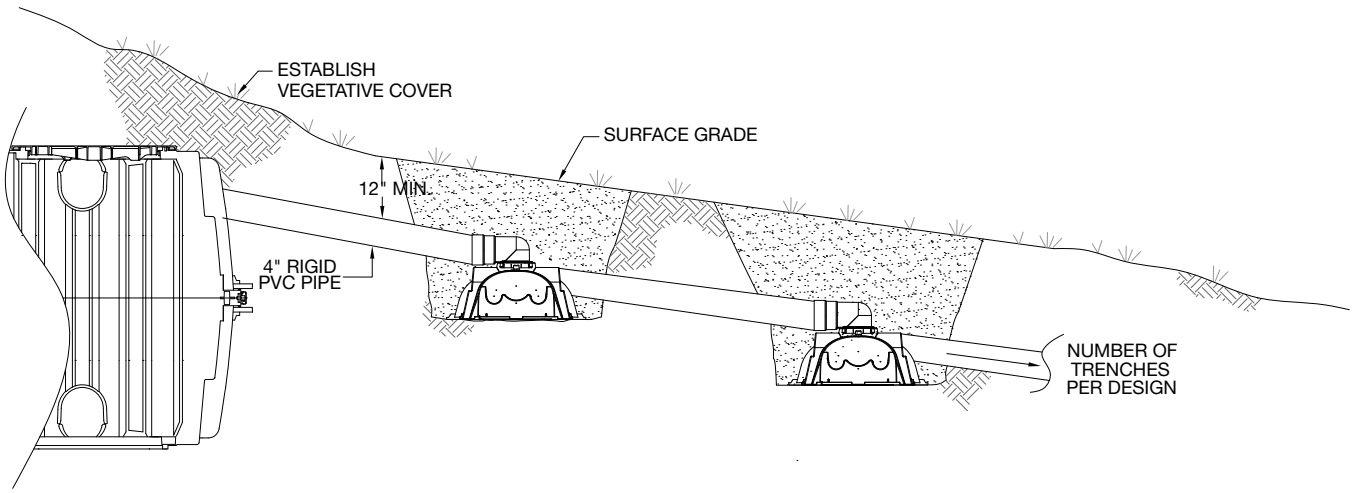
SAME-END AND CENTER INLET SERIAL DROP BOX (not to scale)



INSPECTION PORT INLET CROSS SECTION (not to scale)



SAME-END SERIAL DISTRIBUTION LOW INLET / HIGH OVERFLOW CROSS SECTION (not to scale)

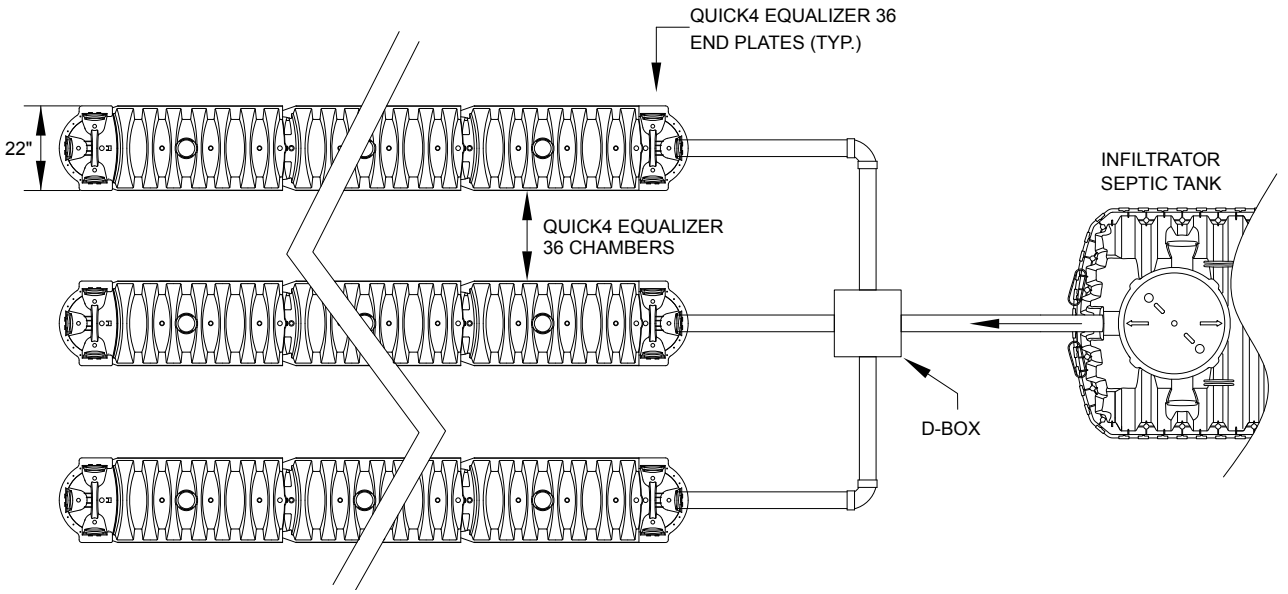


CHAMBER CONFIGURATIONS – EQUAL DISTRIBUTION

Quick4 Equalizer 36

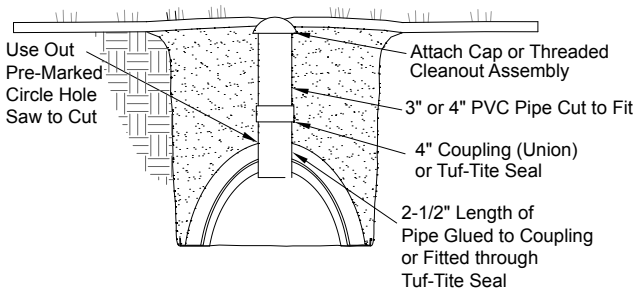
The Quick4 Equalizer 36 Chamber Systems may also be designed using equal distribution methods. These require a distribution box or must be pressure dosed.

EQUAL DISTRIBUTION METHOD (not to scale)

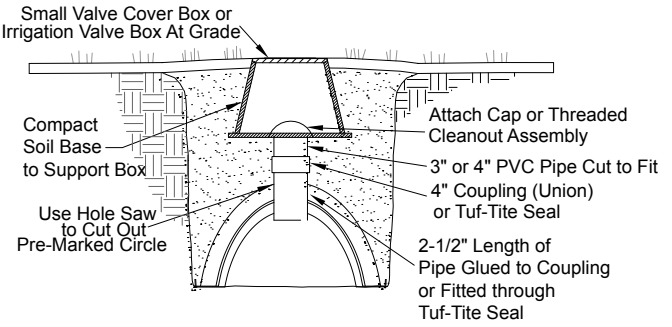


Inspection Port Detail

OPTION A: RISER TO GRADE (not to scale)



OPTION B: INSTALLATION WITH VALVE BOX (not to scale)



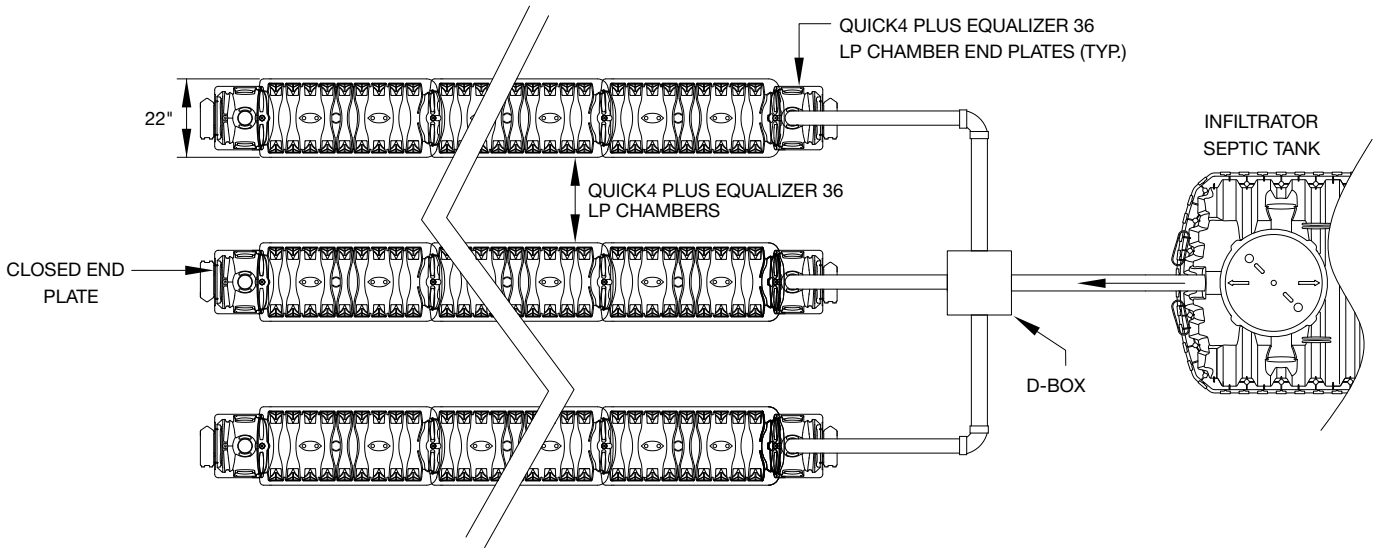
Note: All Infiltrator chamber models may be designed for this application.

CHAMBER CONFIGURATIONS – EQUAL DISTRIBUTION

Quick4 Plus Equalizer 36 LP & Quick4 Plus Standard LP Equal Distribution

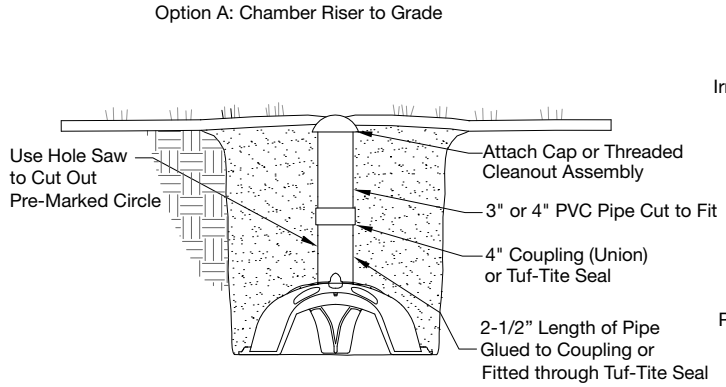
The Quick4 Equalizer 36 Chamber Systems may also be designed using equal distribution methods. These require a distribution box or must be pressure dosed.

EQUAL DISTRIBUTION METHOD (not to scale)

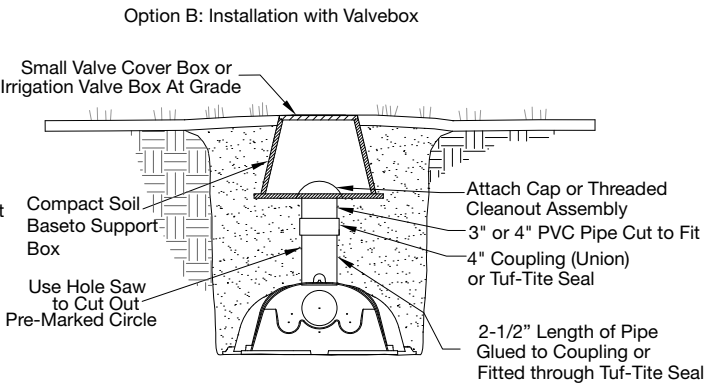


Inspection Port Detail

OPTION A: RISER TO GRADE (not to scale)



OPTION B: INSTALLATION WITH VALVE BOX (not to scale)

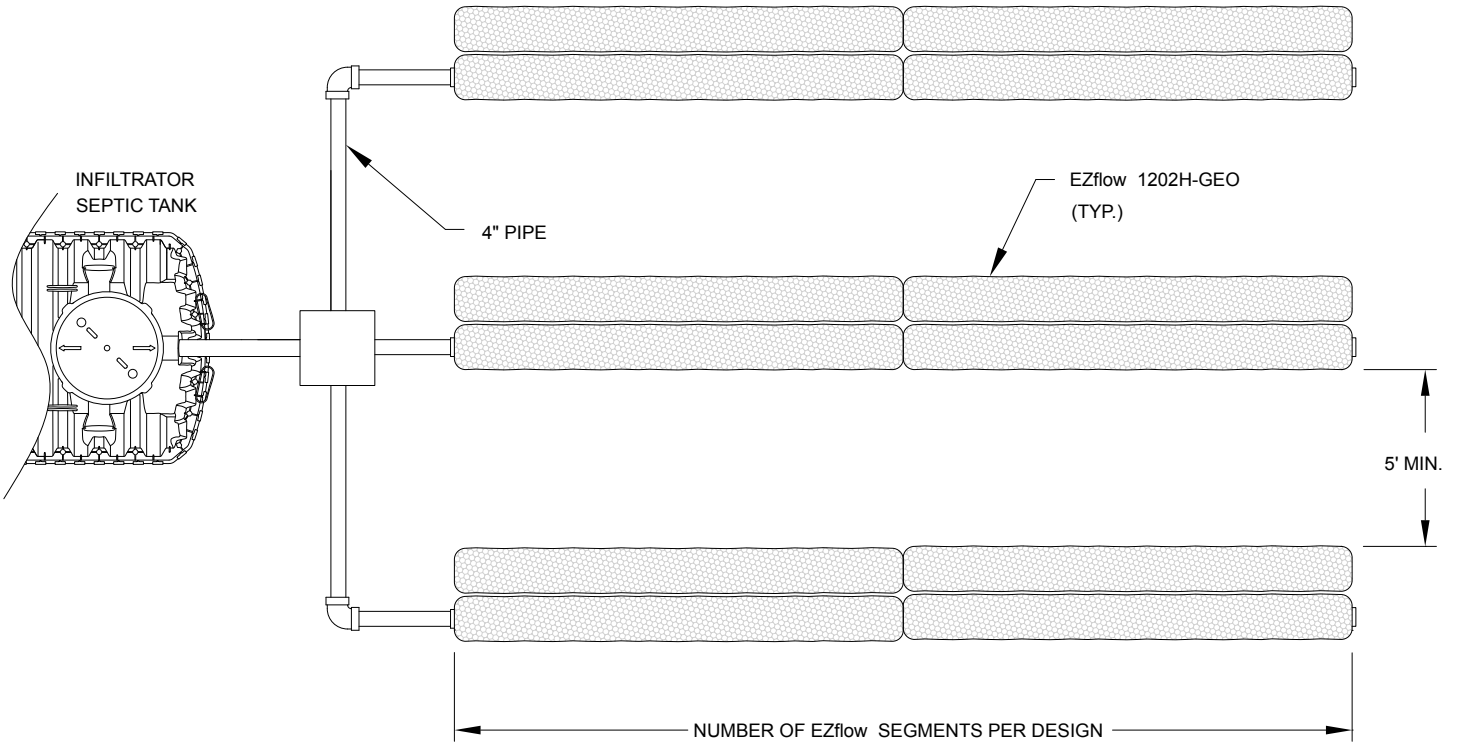


Note: All Infiltrator chamber models may be designed for this application.

EZFLOW CONFIGURATIONS – EQUAL DISTRIBUTION

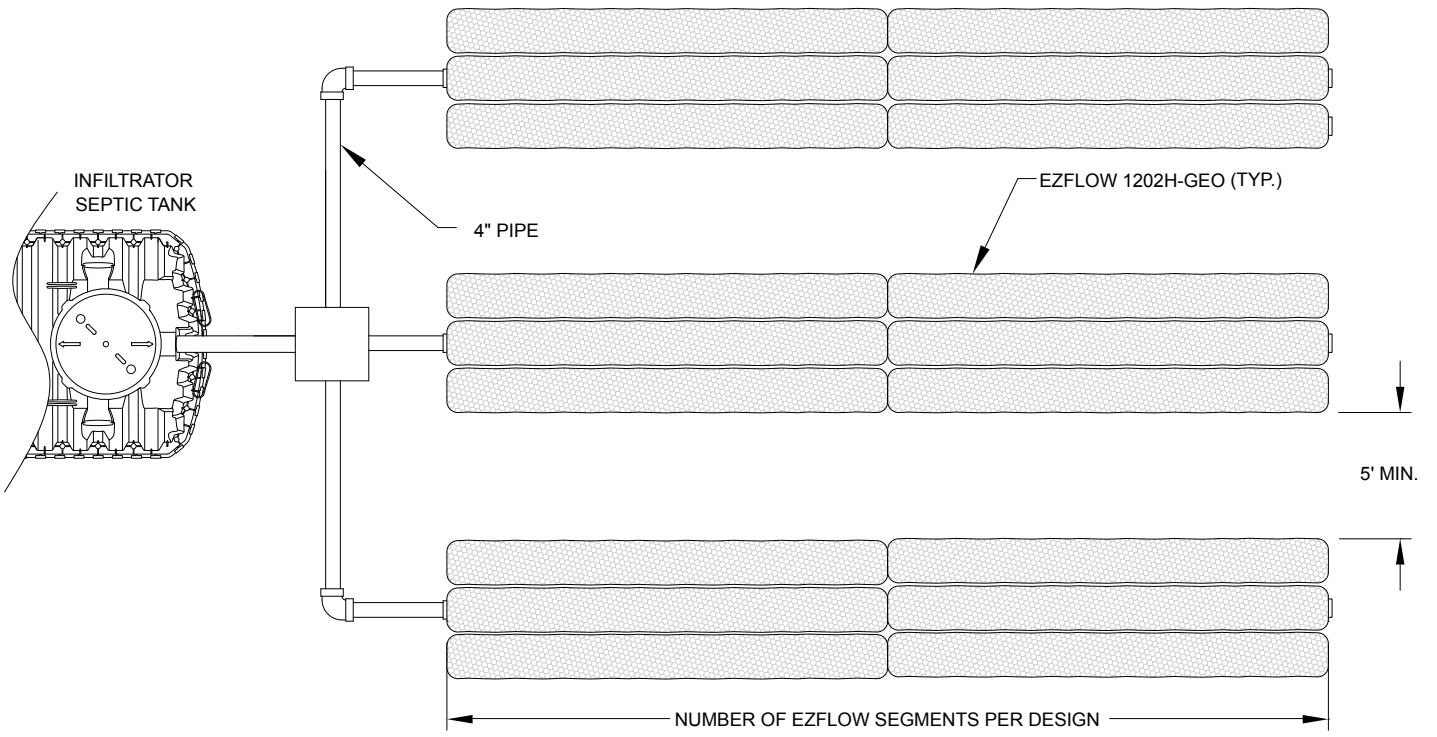
EZflow 1202H-GEO

Equal Distribution (not to scale)



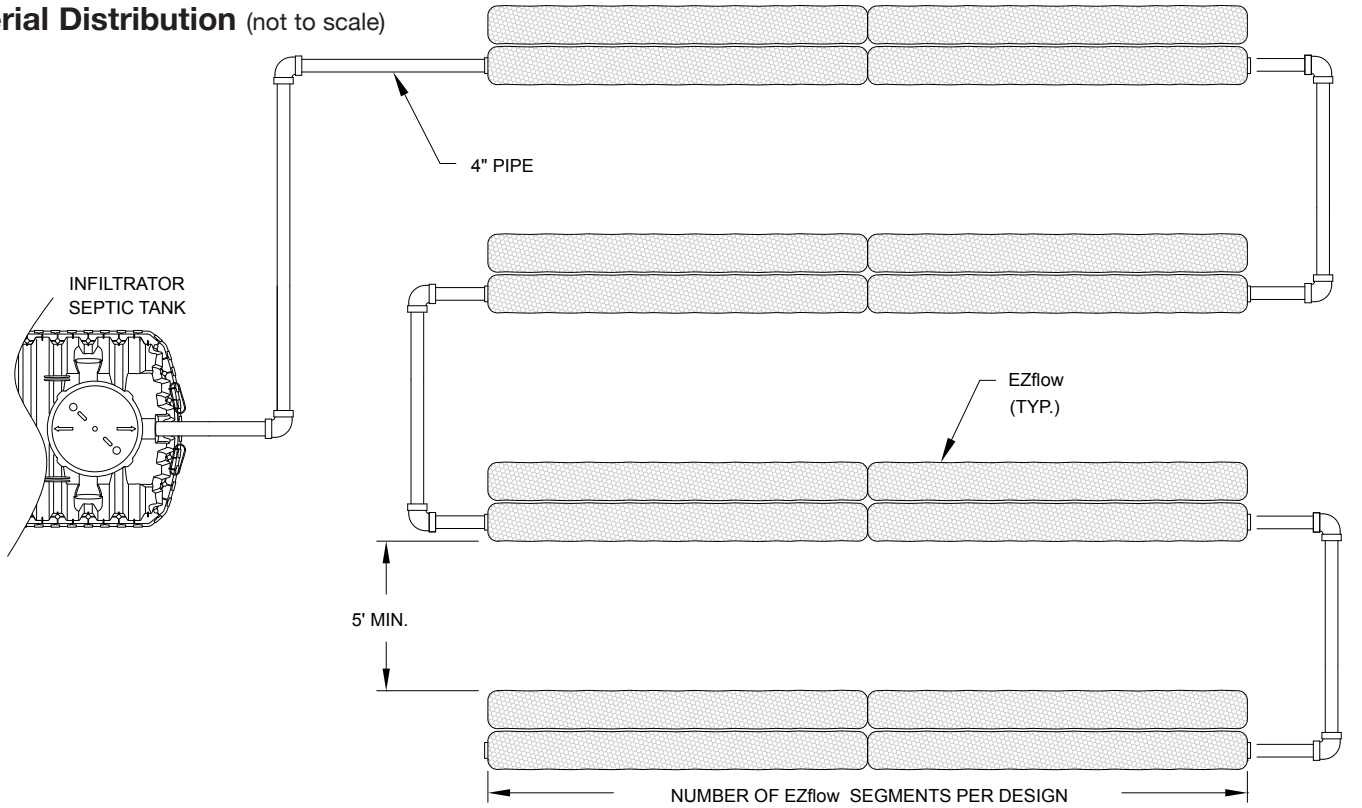
EZflow 1203H-GEO

Equal Distribution (not to scale)



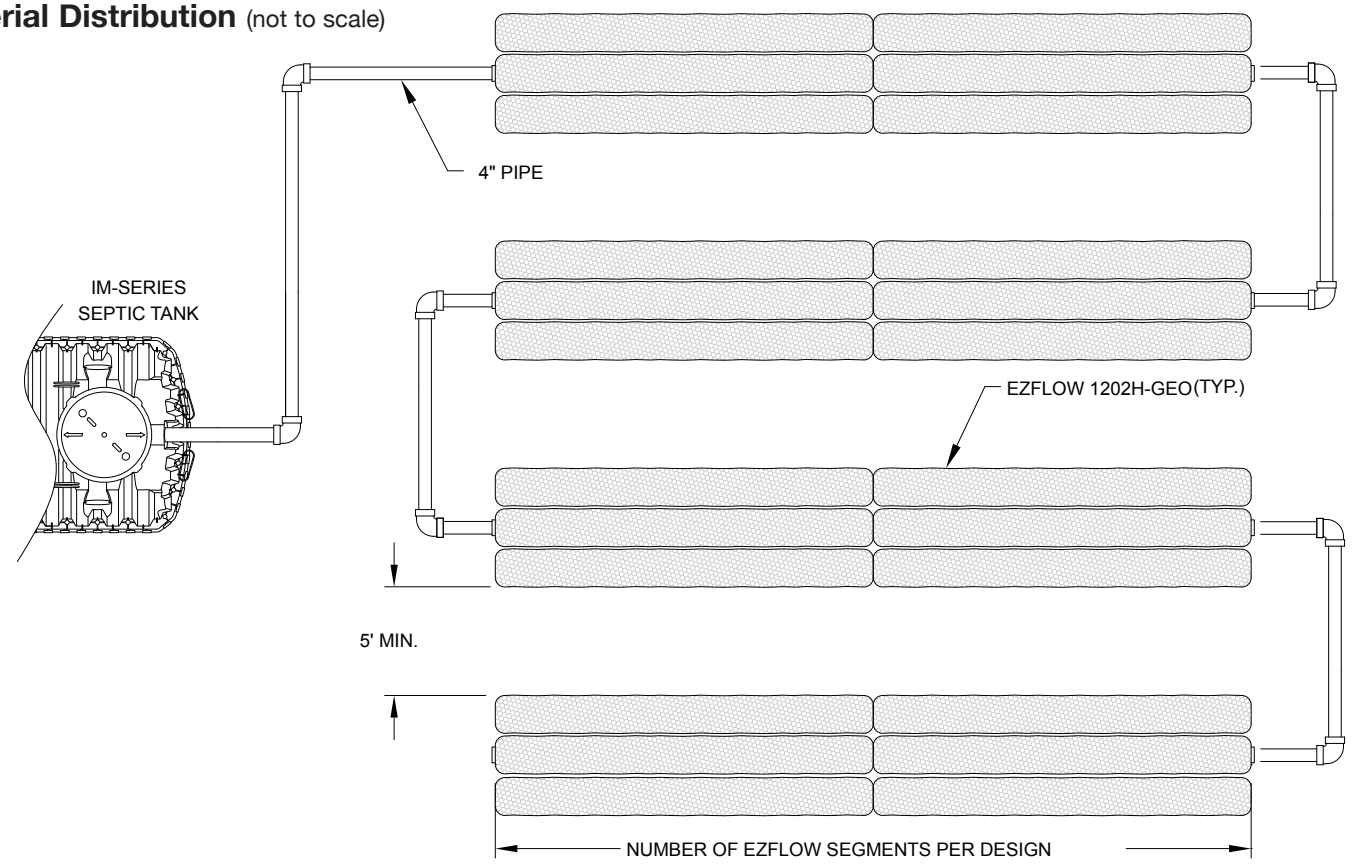
EZflow 1202H-GEO

Serial Distribution (not to scale)



EZflow 1203H-GEO

Serial Distribution (not to scale)



INSTALLATION INSTRUCTIONS – CHAMBERS

These installation instructions are for Quick4 Plus Standard LP and Quick4 Plus Equalizer 36 LP chambers. These chambers may only be installed according to state and/or local regulations. If unsure of the installation requirements for a site, contact Infiltrator Water Technologies. The soil and site conditions must be approved for installation. Be sure that a thorough site evaluation is conducted to determine the proper size and location of the system before proceeding with the installation.

NOTE: Please contact Infiltrator Water Technologies for other chamber specific installation instructions.

Before You Begin

Materials and Equipment Needed

- ☐ Quick4 Plus Standard Low Profile (LP) chambers
- ☐ Quick4 Plus Equalizer 36 Low Profile (LP) chambers
- ☐ Quick4 Plus 8 Endcaps
- ☐ Quick4 Plus All-in-One 8 Endcaps
- ☐ PVC pipe and couplings
- ☐ Backhoe
- ☐ Laser, transit or level
- ☐ Tape measure
- ☐ Shovel and rake
- ☐ Utility knife
- ☐ 1 1/4-inch drywall screws*
- ☐ Drill
- ☐ Hole saw
- ☐ Screw gun*
- ☐ Small valve-cover box*
- ☐ 4-inch cap for Inspection port

* 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 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 gravel and pipe systems, do not install 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 tank, pipe, and trench bottom.

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

3. Excavate and level trenches with proper width and center-to-center separation. Verify that trenches are level or have the prescribed slope.

Note: Over excavate in areas where you are planning to contour.

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

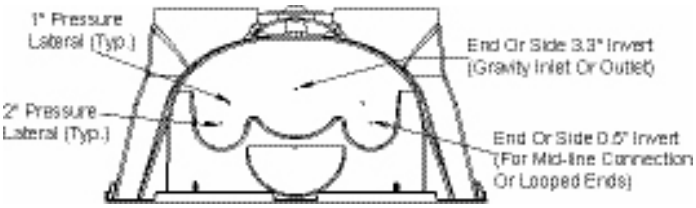
Preparing the Endcap

Note: Quick4 Plus 8 and Quick4 Plus All-in-One 8 Endcaps are avaliable for use with the Quick4 Plus Standard LP and Equalizer 36 LP chambers on either end of the trench, depending upon the installer's preference and configuration requirements.



1. Drill endcap.

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



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

3. Install splash plate into the appropriate slots below the 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.

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



4. Place endcap inlet end.

5. Insert the inlet pipe 2.5 inches into the opening on the front of the endcap. Insert fully to the internal pipe stop.

INSTALLATION INSTRUCTIONS – EZFLOW

Illinois Department of Health granted approval per the Private Sewage Disposal Licensing Act and Code, for use of Infiltrator Water Technologies EZflow brand 1202H-GEO and 1203H-GEO.

The EZflow 1202H-GEO is approved at the specified sizing:

1202H-GEO	4 SF/FT
1203H-GEO	5 SF/LF

Any site where EZflow products are installed must meet the same site, soil, soil evaluation, repair area, construction, and all other requirements imposed for a standard gravel drainfield.

MATERIALS & EQUIPMENT NEEDED

- EZflow Bundles
- EZflow Internal Pipe Couplers
- Pipe for Header and Inlet
- Backhoe
- Laser, Transit or Level
- Shovel & Rake

INSTALLATION INSTRUCTIONS

The instructions for EZflow products are given below. This product must be installed in accordance with the appropriate state regulations and codes.

In cases where linear footage required is not in multiples of 10, the installer may (a) reduce the product to needed length and refasten netting to the pipe or, (b) use an additional 5 or 10 feet of product to exceed the required trench length.

1. After the local health department has issued a permit, stake or mark the location of the trenches and lines. Then, set the tank, invert pipe, headerline/distribution box, and trench elevations. Care should be taken to maintain the required vertical separation of at least 24-inches to the seasonal groundwater table.

2. To prevent smearing or compaction of soil, drainfields are not to be installed in soils with textures finer than sand, loamy sand or sandy loam, or where the soil moisture content is above the point at which the soil changes from semi-solid to plastic. If smearing or glazing of trench sidewalls and bottom has occurred in clay soils, it is recommended that these soil surfaces be raked or scarified.

3. The center to center spacing shall be 6'.

4. Remove the plastic stretch wrap from the EZflow bundles prior to placing them in the trench(es). Remove any stretch wrap in the trench or bed before the system is covered.

5. Place the EZflow bundle(s) in the approved configuration. The bundle containing pipe is joined end to end with an internal pipe coupler. The aggregate-only bundle should be butted against the other aggregate-only bundles and do not require any type of connection.

6. The top of each GEO cylinder contains a pre-manufactured filter fabric between the netting and aggregate. The installer shall ensure that the fabric is on top and is in contact with the fabric contained in the adjacent cylinder before backfilling. The span of fabric at each sidewall shall not exceed 180 degree reach (i.e. 9 o'clock to 3 o'clock).

7. Verify that trenches are level or have the prescribed slope.

8. EZflow EPS bundles are flexible and can fit in curved trenches, as needed, to avoid trees or other obstacles.

9. Soil material excavated from trenches, if suitable per code, should be used in backfilling and should be left mounded over the trenches until initial settling has taken place. Soil within 6" of the EPS bundles shall be loosely placed and not compacted.

INSPECTION

Before covering the system, it shall be inspected by the department. The area of the disposal field shall not be used for vehicular traffic, parking, or underground utilities (i.e. water lines). Dozers, trucks, and other heavy vehicles shall not be allowed to run over the septic tank, drainfield or other parts of the system.

WARRANTY: CHAMBERS

INFILTRATOR WATER TECHNOLOGIES, LLC ("INFILTRATOR")
Infiltrator Water Technologies, LLC STANDARD LIMITED Drainfield WARRANTY

(a) The structural integrity of each chamber, endcap, EZflow expanded polystyrene and/or 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 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: EZFLOW

INFILTRATOR WATER TECHNOLOGIES EZFLOW 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.
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Water Technologies
Part of ADS

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