



# Septic System Installation Instructions



# Quick4<sup>®</sup> High Capacity Chambers Quick4<sup>®</sup> Standard Chambers

# Installing the System

prescribed slope. 2. Set the invert height at 11.5 inches from the bottom of the trench for the Quick4 High Capacity Chamber. For the Quick4 Standard Chamber, set the invert height at 8 inches from the

3. Place the inlet end of the first chamber over the back edge of the end cap. 4. Lift and place the en of the next chamber ont the previous chamber b holding it at a 90-degree angle. Line up the chamber end between the connector hook and locking pin at the top of the first chambe Lower to the ground to

bottom of the trench.

connect the chambers. Note: When the chamber end is placed between the connector hook and locking pin at a 90-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 the chamber joint. Broken hooks will not affect

the structure nor void the warranty. 5. Swivel the chamber on the pin to the proper direction for the trench layout.

Note: Quick4 Chambers allow for 10 degrees of swivel in either direction at each joint. 6. Where the system design requires straight runs, use the StraightLock<sup>™</sup> Tabs to 5 ensure straight connections. Swivel the chamber To activate the tabs, pop the tabs up with your thumb and

lock into place. 7. Continue connecting the chambers until the trench is completed. Note: As the chambers are

installed, verify they are level or have the prescribed slope. 8. The last chamber in the trench requires an end cap. Lift the end cap at a 45-degree



louvers.



10. Pack down the fill by walking along the edges of the trench and chambers. This is an important step in assuring structural support. Note: In wet or clay soils, do not walk in the sidewalls. 11. Proceed to the next trench and begin with Step 1.

## Installing Optional Inspection Ports

1. With a hole saw drill the pre-marked area in the top of the chamber to create a 4-inch opening. 2. Set a cut piece of pipe of the appropriate length into the corresponding chamber's inspection port sleeve.

Note: The sleeve will accommodate a 4-inch SCH40 pipe. 3. Use two screws to fasten the pipe to the sleeve around the

inspection port. 4. Attach a threaded cap or cleanout assembly onto the protruding pipe at the appropriate height. 5. A small valve cover box may be used if inspection port is below the desired grade.

### Covering the System

Before backfilling, the system must be inspected by a health officer or other official as required by State and local codes. Create an as-built drawing at this time for future records. 1. Backfill the trench by pushing fill material over the chambers

with a backhoe. Keep a minimum of 12 inches of compacted cover over the chambers before driving over the system. Note: Do not drive over system while backfilling in sand.

Note: For shallow cover applications, you must mound 12 inches of soil over the system before driving over it, and then grade it back to 6 inches upon completion. 2. It is best to mound several inches of soil over the finish

grade to allow for settling. This also ensures that runoff water is diverted away from the system. 3. After the system is covered, the site should be seeded or sodded to prevent erosion.

Note: If the system is for new home construction, it is important to leave marking stakes along the boundary of the system. This will show contractors where the site is located so they will not cross it with equipment or vehicles.

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Attach end cap to chamber.





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# Before You Begin

Quick4 High Capacity Chambers and Quick4 Standard Chambers may only be installed according to State and/or local regulations. If unsure of the installation requirements for a particular site, contact the local health department. Like conventional systems, the soil and site conditions must

be approved prior to installation. Conduct a thorough site evaluation to determine the proper sizing and siting of the system before installation.

### Materials and Equipment Needed Quick4 Chambers Hole Saw\*

MultiPort End Caps	2-inch Drywall Screws*
PVC Pipe and Couplings	Screw Gun*
Backhoe	Small Valve-Cover Box*
Laser, Transit, or Level	4-inch Cap for Inspection
Shovel and Rake	Port*
Tape Measure	
Utility Knife	* 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. Only drive across the trenches when necessary. Never drive down the length of the trenches.
- To avoid additional soil compaction, never drive heavy vehicles over the completed system.

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.

Note: The Quick4 Standard and Quick4 High Capacity chambers have a maximum cover depth of 48" for bed applications and 96" for trenches. Please refer to Infiltrator Cover Policy or call Infiltrator Water Technologies with any questions.

1. Stake out the location of all trenches and lines. Set the 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 3-foot wide trenches with proper centerto-center separation. Verify that the trenches are level or have the prescribed slope. 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 that each trench is level using a level, transit, or laser.

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the end cap at the beginning of the trench. The pipe wi go in several inches before reaching a stop. (Screw optional.)





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REVISIONS

1-3-2022

lot line adjustment SRH

Aay 25, 2022 County Comments SRH

SEPTIC SYSTEM PLAN

PANGAN RESIDENCE AUGUSTE CT MILPITAS, CA 95035 APN 029 35 005

OCTOBER 2, 2018 SCALE AS NOTED

> ONSITE TWO

> > 2 OF 2

### Preparing the End Cap 1. With a utility knife star the tear-out seal at the



appropriate slots below the inlet to prevent trench bott erosion.

Install splash pla 5. Insert the inlet pipe inte