

CULTEC SUBSURFACE STORMWATER SYSTEM

CULTEC, Inc. is the manufacturer of CULTEC Recharger® Plastic Stormwater Detention/Retention Chambers, CULTEC HVLV™ Header System and CULTEC Stormfilter® Stormwater Filter Chamber. CULTEC has been manufacturing its patented product line since 1986. CULTEC is deemed one of the foremost authorities in plastic stormwater systems product design. The concept of HDPE plastic chambers derived from concrete structure predecessors.

Each of the products listed below are used in conjunction with each other to provide a BMP manner of subsurface stormwater management in accordance to Phase II of the federally mandated Clean Water Act. The Clean Water Act mandates that a certain percentage of stormwater run-off be contained and treated on-site. This means that developers and homeowners need to capture and contain a degree of stormwater run-off that is shed by their impervious structures such as buildings and parking areas. Infiltration has been proven to be the leader in the removal of phosphorous, nitrogen, lead, zinc, suspended solids and organic carbon when compared to wetlands, water quality ponds, filtering systems and water quality swales.

Systems may be installed quickly and easily using a patented overlapping rib connection unique to CULTEC chambers. They require less stone and area than most pipe systems. They allow land to be use for other purposes such as parking. They are lightweight (up to 70 lbs each), yet they can withstand AASHTO H20 (32,000 lbs/axle) designation.

Water enters from a collective device, typically from a catch basin inlet structure, it then passes through our CULTEC Stormfilter® Stormwater Filter Chamber to remove silt, fines and debris. The stormwater is then conveyed from the CULTEC Stormfilter® by our CULTEC HVLV™ Header System and directed into the CULTEC Recharger® Chambers for storage until it can infiltrate back into the ground.

CULTEC Stormfilter® Stormwater Filter Chamber

A plastic chamber consisting of series of pass-thru filter frames to remove debris, silt and fines from stormwater. The Stormfilter® can be entered and serviced through a top access opening brought up to grade. It is a value-engineering option to more cost-prohibitive alternatives. (\$2,500 vs. \$20,000 - \$40,000)

CULTEC HVLV™ (High Volume, Low Velocity) Header System

A combination of plastic chamber-type sections that interlock together and have side portals to make nec-essary tee connections for feed lines into the plastic stormwater chambers. High volumes of stormwater are able to be conveyed in a lower profile than its conventional pipe equivalent. This means less excava-tion, stone, time and labor. The HVLV™ Header utilizes a patented overlapping rib connection for quick installation. Their design presets center to center spacing of CULTEC Recharger® chambers and feed entry elevations. It eliminates costly and labor intensive conventional pipe manifold systems which require multiple tee connections, cutting and critical alignment.

CULTEC Recharger® Plastic Stormwater Chambers

Dome-shaped, fully open bottom corrugated chambers with perforated sidewalls. The chambers allow stormwater to bestored within the dome void until it can infiltrate into the ground. They are able to be used for residential or commercial use. They free up land areas that would be required for open reten-tion/detention ponds and puts the system underground (such as under parking areas). Water is infiltrated into the ground and replenishes the surrounding soil and aquifer on-site rather than storing it above ground (health liability issues such as West Niles breeding grounds for mosquitos, or drowning) or redirecting it to a watercourse and potentially overloading or polluting our natural surroundings and resources. The lightweight plastic chambers replace conventional pipe and stone systems, concrete structures or above ground drainage areas such as ponds or swales.

Contact: Robert DiTullio, Sr. • Cultec, Inc. • P.O. Box 280 • 878 Federal Rd. • Brookfield, CT 06804
203-773-4416, ext. 111 • rditulliosr@cultec.com • www.cultec.com



CULTEC, Inc.—CULTEC SUBSURFACE STORMWATER SYSTEM for Underground Retention/Detention

consisting of:

- CULTEC Stormfilter® Stormwater Filter Chamber
- CULTEC HVLV™ (High Volume, Low Velocity) Header System
- CULTEC Recharger® Plastic Stormwater Chambers



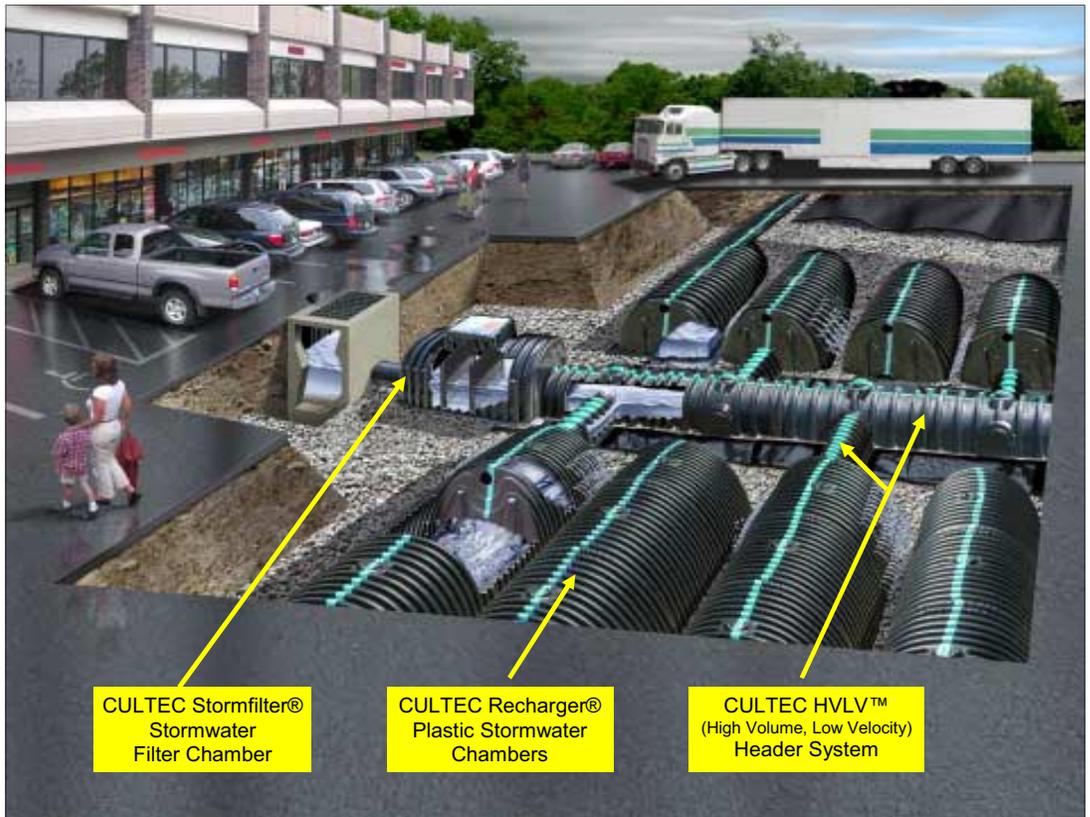
CULTEC Chambers stack for shipping. Able to be stockpiled on the jobsite.



Lightweight.
Shown: Brian, 5 yrs. old



Strong. Able to withstand AASHTO H20 rating (32,000 lbs/axle).



CULTEC Stormfilter® Stormwater Filter Chamber

CULTEC Recharger® Plastic Stormwater Chambers

CULTEC HVLV™ (High Volume, Low Velocity) Header System

CULTEC, Inc. • P.O. Box 280 • 878 Federal Road • Brookfield, CT 06804 USA • 203-775-4416 • www.cultec.com