

STORMWATER SOLUTIONS

Plastic Stormwater Chambers for Residential Applications

In undeveloped areas, rainwater can be absorbed directly into the ground. When an area is developed, however, buildings and parking areas overcome the natural absorption process where the rain would normally be infiltrated into the soil. These impervious structures offset the typical absorption pattern. As a result, when the rain is not allowed to penetrate it begins to build up, causing ponding or flooding and/or begins to flow to another location. To avoid these issues, a stormwater management system is used.

Often, towns and cities mandate the usage of stormwater management systems in both commercial and residential applications. When it comes to residential areas, a mandate is usually put in place when municipalities are concerned with the flooding of neighborhood properties. In places such as New York City, Chicago or other major metropolitan areas, combined wastewater and sewer infrastructure is common. In these cases, towns frequently aim to take stormwater off-line and infiltrate it directly into the ground or control its rate of discharge into the combined sewer system. Therefore, these cities insist on specific stormwater control measures.



Recharger® 902HD Chambers



Recharger® 330XLHD Chambers

In these areas, it is important to select a stormwater system that will be cost efficient, easy to install, and durable – while still being as effective as possible.

Dome-shaped and fully open bottom, CULTEC's plastic corrugated chambers allow stormwater to be stored within the dome void until it can infiltrate into the ground, freeing up land areas that would be required for open retention/detention ponds by putting stormwater management underground.

CULTEC CONTACTOR® & RECHARGER® STORMWATER SOLUTIONS

Water is infiltrated into the ground and replenishes the surrounding soil and aquifer on-site rather than storing it above ground or redirecting it to a watercourse and potentially overloading or polluting our natural surroundings and resources.



CULTEC's lightweight plastic chambers replace conventional pipe and stone systems, concrete structures or above ground drainage areas such as ponds or swales. These alternate systems can be very costly and time consuming to install. In addition to lower cost, project footprint is decreased with the usage of CULTEC's internal feed connectors. Since there is no header system needed with a CULTEC chamber system, homeowners are able to save money, space and time.

In addition to cost savings, CULTEC chambers offer the fastest lead times in-industry, and their in-house technical design team is available to walk the homeowner through any issues or questions they may have about stormwater in their neighborhood. Residential installations can be confusing to some homeowners, which is why CULTEC's skilled designers are familiar with these types of installations backwards and forwards – having started off as a residential chamber upon its inception.

In fact, CULTEC is the founder of plastic chamber technology and has a rich history of helping solve stormwater management issues over their 30+ years in business. No matter the issue or problem, CULTEC has your solution – and provides it in a cost effective product with low turnaround times – keeping the customer happy.

When you're working on a residential installation, it's important to work with a team who has experience. Contact your CULTEC representative today to discuss your project's needs.



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