

# CASE STUDY

## Alta at Lake Eve

Orlando, Florida

<b>Storage Provided:</b>	169,443 cu. ft.
<b>Area:</b>	71,273 SF
<b>Models:</b>	Recharger® 900HD Recharger® V8HD Recharger® 330XLHD Recharger® 280HD Recharger® 150HD
<b>Number of Units:</b>	1,732
<b>Installed:</b>	Spring/Summer 2012
<b>Project Engineer:</b>	Terra-Max Engineering, Inc. Orlando, Florida
<b>Contractor:</b>	JEL Site Development, Inc. Winter Park, Florida



Located in Orlando, Florida, the Alta at Lake Eve apartment complex is a 264-unit development situated on 9.69-acre site that offers luxury housing and convenient access to all of the area's major entertainment and hospitality centers. The complex is located approximately five miles from Walt Disney World, Sea World and the Orange County Convention Center. It is also in close proximity to both the Orlando International Airport and Lake Nona Medical City.

Prior to the groundbreaking in June 2011, planning for a new stormwater management system began. The site required a significant amount of storage in complex areas and at various depths. To address the varying depths, contractors selected five different models of CULTEC underground stormwater management chambers. Typically, a CULTEC system design uses the largest chamber that meets the site's depth constraint, reducing the amount of land and number of chambers required. In this case, this project called for the company's Recharger® 900HD, Recharger V8HD, Recharger 330XLHD, Recharger 280HD and the Recharger 150HD.

Since CULTEC offers such a large variety of chamber sizes, the client was able to utilize several different CULTEC models to accommodate varied site restraints without needing multiple stormwater products from a series of manufacturers. This prevented any potential delivery, installation or "learning curve" delays.

*(continued on back)*



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## Alta at Lake Eve

Orlando, Florida *(continued)*

“CULTEC offers a large chamber size selection, which helps to fit the system into any footprint on-site in a cost-effective way,” said Momtaz Barq, Principle Engineer, Terra-Max Engineering, Inc. “The system was very easy to work with both in terms of design and actual installation. Plus, CULTEC representatives were accessible throughout the entire process and promptly accommodated even minor design changes.”

Each Recharger chamber features the company’s unique internal manifold design that adds flexibility to the system and decreases the required installation footprint. The internal manifold is achieved via two side portals located on each chamber, which allows manifolding to take place at any point within the system, eliminating the need for costly, time-consuming fabrication of external manifolds.

A total of 1,732 chambers were installed in 169 rows across seven beds. They occupy a total of 71,273 square feet and provide 169,443 cubic feet of combined storage, including stone.



**CULTEC, Inc.**

878 Federal Road • P.O. Box 280 • Brookfield, CT 06804

Phone: 203-775-4416 • Toll Free: 800-4-CULTEC • Fax: 203-775-1462 • Web: [www.cultec.com](http://www.cultec.com)

