

# CASE STUDY

## 46th Street Veteran's Clinic Tampa, Florida

<b>Storage Required:</b>	30,000 CF
<b>Storage Provided:</b>	51,692 CF
<b>Area:</b>	25,400 SF
<b>Models:</b>	Recharger® V8
<b>Number of Units:</b>	+450
<b>Tons of Stone:</b>	3,200 Required
<b>Installed:</b>	December 2008
<b>Project Engineer:</b>	Otero Engineering, Inc. Tampa, FL
<b>Contractor:</b>	Schaer Development of Central Florida Land O' Lakes, FL



The James A. Haley Veterans' (VA) Hospital in Tampa, Fla., is one of the largest and busiest VA facilities in the U.S. To help ease the patient traffic, several VA clinics are being developed in the vicinity of the Hospital to serve as its outpatient services satellites. Among them is medical center on 46th Street.

When it came to designing stormwater systems for the clinic, owner and developer Knut Horneland was faced with a challenge of space constraints. Drainage ponds, commonly used in Tampa, take up valuable space. Horneland opted for underground stormwater systems, which he had successfully used before. He selected CULTEC Recharger® models due to their cost-effectiveness.

"As we have so little space available for development in Tampa, we need to use land creatively and efficiently," said Horneland. "CULTEC underground systems freed up areas that otherwise would have been occupied by stormwater ponds. CULTEC products also proved to be very cost-efficient and allowed the projects to achieve substantial cost-savings."

According to Horneland, the CULTEC system on 46th Street allowed him to save about 15 percent off the installation costs, compared to the costs of precast and corrugated pipe systems.

Situated on a two-acre plot, the medical center on 46th Street includes an 11,560 sq. ft. Audiology Center and another 13,840 sq. ft. facility. To address the clinic's storage needs of 30,000 cu. ft., CULTEC designed a retention system using the

*(continued on back)*

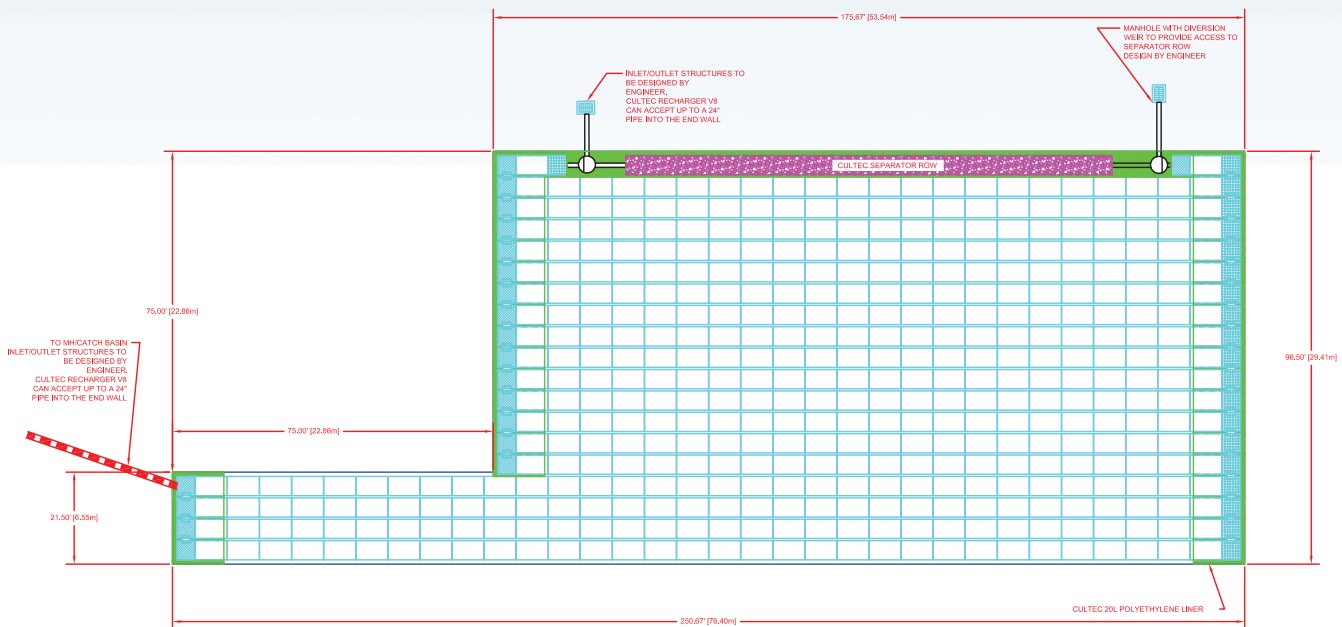


# 46th Street Medical Center

Tampa, Florida *(continued)*

Recharger V8 chamber, providing in excess of 50,000 cu. ft. of storage. More than 450 Recharger V8 units were installed in a half-acre, single-tier bed and backfilled with 3,200 tons of stone.

CULTEC's Recharger products are high-profile, high-capacity plastic chambers designed for underground stormwater detention and retention. They are specifically designed for use in traffic applications, meet the strictest industry requirements, including IAPMO R&T certification, and are backed by a 10-year warranty. For more information about CULTEC and its products, visit [www.cultec.com](http://www.cultec.com).



**CULTEC RECHARGER V8 HD  
STORMWATER MANAGEMENT SYSTEM**

STORAGE REQUIRED: 51,290 cu. ft.  
STORAGE PROVIDED: 51,692 cu. ft.  
(Cultec bed must be placed on an ADDITIONAL  
5" of speckled stone to achieve storage)

**CULTEC, Inc.**

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