

PROJECT PROFILE

R-Tank Underground Detention

1820 Country Place Parkway

Pearland, TX 77584

95% Void Interior

90% Efficiency

50% Smaller Footprint



Design Team

Architect

Consolidated Architecture

Civil Engineer

Landtech Consultants

Construction Team

General Contractor

Lazbert Contracting

Site Contractor

Horizon Concrete

PROJECT PROFILE

ACF R-Tank Underground Detention
Springhill Suites By Marriott
Pearland, Texas



Owner: Omkar Group Pearland LP
Architect: Consolidated Architecture
Engineer: Landtech Consultants
Contractor: Lazbert
Site Contractor: Horizon Concrete
Detention Volume: 15,500 CF
Completion: November 2007

Project Background

South Houston has a world renowned medical center that VIP's from all over the world visit to seek treatment. This is why the Omkar Group chose a location 10 miles south of the Houston Medical Center in the booming town of Pearland Texas to build a Springhill Suites by Marriott.

The Business Case

When specifying underground detention there are three very important factors to consider: strength, efficiency, flexibility and all-in cost. For SpringHill Suites by Marriott in Pearland, the efficiency of the Raintank system would allow the storage of the required volume in a very small space. R-tank 95% void interior not only stores more water in a smaller footprint than pipe-based and arch chamber detention systems. It also dramatically reduces the amount of backfill required, greatly reducing the "all-in" cost of the system. R-Tank allows over 95% of the excavation to be filled with R-Tank modules. Equally important, the small volume of backfill required is common sand, which offers a huge cost savings over competing systems that require expensive specialized fill. Raintank's strength, due to an internal vertical baffle system, supports H-2O loading with ease. This combination of strength and efficiency typically reduces excavation and backfill costs by over 90% resulting in a 10% - 50% reduction in total all-in cost over competing systems! Call us today to discuss how R-Tanks strength and efficiency will lead to overall cost savings on your project.



www.ecosvs.com
1930 Aldine Western Road
Houston, Texas 77038
832.456.1000

About R-Tank

The R-Tank System is a modular storage system that can be used for detention, rainwater harvesting, or ground water recharge. The R-tank's modular design and compact footprint makes it ideal and cost effective for all types of applications.