

PROJECT PROFILE

SPRINGHILL SUITES BY MARRIOTT

Atlantis Raintank Underground Detention

PEARLAND, TX

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. Raintank's 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.

Raintank allows over 95% of the excavation to be filled with Raintank 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-20 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 Raintank's strength and efficiency will lead to overall cost savings on your project.



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

About Raintank

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



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PROJECT PROFILE

Raintank Underground Detention

1820 Country Place Parkway
Pearland, TX 77584

95% Void Interior

90% Efficiency

50% Smaller Footprint

SPRINGHILL SUITES
Marriott

PROJECT TEAM

Design Team

Architect

Consolidated Architecture

Civil Engineer

Landtech Consultants

Construction Team

General Contractor

Lazbert Contracting

Site Contractor

Horizon Concrete



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