

# Manatee Memorial Hospital

Bradenton, FL



## Project Summary

- Client  
Universal Health Systems
- Location  
206 Second Street East  
Bradenton, FL
- Project Size  
3 Levels , 566 Spaces  
190,275 Square Feet
- Building Systems  
Vibrofloatation Foundation  
Pretopped Precast Double Tees
- Building Features  
Tight Site Conditions  
Existing Utilities Relocation  
Three Stormwater Vaults  
Adjacency to Existing Hospital

## Project Highlights

Needing to increase parking to accommodate future expanded healthcare services, Universal Health Systems looked to R.R. Simmons to come up with an attractive yet affordable solution to solve their parking needs. This project posed some challenges as it was discovered that the site had some existing deficient stormwater management issues that needed to be resolved before this project could move forward. The entire area beneath the new parking structure was utilized to take care of the stormwater problem by providing three very large stormwater vaults.

The site was congested and construction limits for the garage allowed only 18 ft clearance on three sides and a 60' x 210' staging area on the 4th side. Because the project is bordered by the Manatee River on two sides, special consideration was given to the storm water run off.

The three 48' x 250' storm water retention vaults, constructed within the footprint of the garage, have a capacity of approximately 900,000 gallons of water. The vaults are covered with specially designed pre-topped precast concrete double tees that span the 48' width. Due to their size and location, the vaults had to be constructed in conjunction with the erection of the precast concrete garage structure.