

R. H. Moore & Associates

Soil Stabilization & Erosion Control



CASE STUDY

LEGENDS FIELD YANKEE STADIUM

LOCATION:	TAMPA, FLORIDA
PRODUCT:	4" GW20V GEOWEB
QUANTITY:	50,000 SQ. FT.
INSTALLATION DATE:	2007
ENGINEER:	CHARLOTTE ENGINEERING
CONTRACTOR:	BIOMASS TECH
OWNER:	NEW YORK YANKEES
APPLICATION:	SHORELINE PROTECTION



Tampa's Legends Field, the spring training facility of the New York Yankees, was experiencing severe erosion at the stormwater detention ponds throughout the facility. The ponds are not only used for stormwater containment, but are also designated as native wildlife ponds sponsored by Busch Gardens. Decorative fountains add to the aesthetics of the facility. The ponds began to experience a type of slope erosion that many Florida lakes and ponds are subjected to where the constant daily wave chop generated from wind eats away at the sandy soils from which they are constructed. Erosion of these slopes can be accelerated when drought conditions lower water levels below the vegetation that helps to stabilize soil.

As part of an expansion project for the stadium, R. H. Moore & Associates, Inc. was contacted by Charlotte Engineering to recommend an aesthetically appealing way to stabilize the slopes and control the erosion, while still providing access to the water.

The four-inch thick GW20V perforated Geoweb cellular confinement system manufactured by Presto Products was chosen to provide the erosion protection. One of the most unique and beneficial features of the Geoweb system is the ability to use various infill materials to meet a variety of erosion control requirements, while satisfying the aesthetic concerns of the surrounding environment. For this project, a red colored rock was chosen to fill Geoweb cells from the bottom of the system up to one foot above the mean high waterline. The red colored rock was selected as a close match to the color used for the warning tracks of the fields. Above the high waterline, the cells were filled with existing onsite soil and then sodded. Since Geoweb can be installed easily without the need for large construction equipment, the ponds were reconstructed and finished in time for the 2008 spring training season.



