



## RIVIERA BEACH MARINA VILLAGE

BELGARD'S PERMEABLE PAVER SYSTEM PROVIDES A WINNING COMBINATION OF FUNCTION & UPSCALE AESTHETICS



### PROJECT TITLE:

Riviera Beach Marina Village

### SQUARE FOOTAGE OF HARDSCAPE PROJECT:

130,000 Holland and Eco-Holland Stone pavers

### LOCATION:

Riviera Beach, Florida

### MANUFACTURER:

Oldcastle Coastal

### PROJECT DESIGNERS:

Calvin, Giordano & Associates  
Engineers, EDSA Landscape  
Architects

### About Belgard® Commercial Hardscapes

Belgard Commercial is part of the Oldcastle Architectural Group, the largest concrete products manufacturer in North America. With over 180 locations and a company culture characterized by a commitment to customer satisfaction, Oldcastle adheres to a level of service and consistency that no other supplier can match. Our combination of local market presence and national capabilities allows us to meet and exceed the demanding needs of an ever-changing industry.

Construction of the Riviera Beach Marina Village was a partnership between the City Redevelopment Association (CRA) and the City of Riviera Beach, Florida. This waterfront redevelopment began with the demolition of both an existing 200-boat storage facility and a community recreation hall and an adjoining restaurant. The demolished facilities were replaced with a new 40,000-square-foot event center featuring several banquet halls and a two-story restaurant and café. A new outdoor amphitheater was constructed with an interactive water feature and three additional parcels are available for future building.

### The Issue

The challenge facing the landscape architecture firm was in designing the patterns, shapes and colors of the permeable pavers in order to provide the CRA the aesthetics they were looking for to compliment the new building's Key West architecture style.

### The Solution

The engineering firm of Calvin Giordano was tasked with developing a design that would meet South Florida Water Management Districts permitting requirements covering

current and future water quality and quantity standards. The firm understood that upcoming development on this site would create the need for additional parking and more impervious surfaces. Belgard® Commercial Hardscapes was able to work with the engineer and design a permeable system to achieve the desired results required for permitting from the District. The system was comprised of 18" washed #4 limerock, 5" of #57 limerock, 2" of #89 and the wearing course was a 3-1/8" Eco-Holland paver manufactured by Coastal, an Oldcastle Company.





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### The Results

The installation by Precise Paving took place over several months. The 18'-wide lower promenade along the marina bulkhead was installed by hand and consisted of 25,000 square feet of 4"x 8"x 3-1/8" Holland Stone interlocking concrete pavers. The upper promenade was installed as a permeable system using 75,000 square feet of 4"x 8"x 3-1/8" Eco-Holland Stone permeable pavers that was also installed by hand due to the number of planter boxes and patterns involved, which would have made machine installation difficult. The 30,000-square-foot perimeter road that encircles the new building was also installed as a permeable system and used the same paver as the upper promenade. This area was mechanically installed by Precise Paving allowing the contractor to meet his deadlines and open the new facility on time. The entire project was successful due to a coordinated effort between the design team, general contractor, CRA, paver manufacturer, site contractor and installation contractor.

