



Pool Protection

VIZCAYA MUSEUM AND GARDENS, MIAMI, FL

EverGreene has worked on the Vizcaya Museum pool several times, most recently when we stabilized the shell wall. We performed an emergency stabilization on a small section of the ceiling after it fell into the pool after a hurricane. We mobilized a trained technician and assistant conservator to work in preparing the poolside face of the wall to provide some stability and minimize the potential for further loss during concrete placement within the existing openings in the wall.

We removed the ferrous bar in the west opening using means that minimize vibration, and after the application of a mold release, we applied a silicone rubber mold facing to the areas to be filled up to approximately 3 feet above the pool deck. Next, we backed the mold with a reinforced plaster and wood form to both hold the rubber against the shells and provide a brace to resist the concrete placed in the wall holes. The wood was then bolted to the existing threaded hole mounts in the wall. The form was inset to allow the application of plaster over the concrete as needed to match the historic wall finish. We provided access ports as needed to allow the installation of the concrete fill to be placed in the wall and observed the placement of the concrete (by others) to ensure that the shell work is not damaged during this work. Finally, after placement of the concrete, we removed the facing and mold materials, cleaned the surface, and reinstalled any shells that were loosened by the work in that immediate area.

MORE INFORMATION:

<https://evergreene.com/projects/pool-protection/>

SERVICES PERFORMED

Conservation Treatments
Disaster & Emergency Response

PROJECT DETAILS

Client

Vizcaya Museum and Gardens

