



*Delivering sustainable infrastructure solutions
for tomorrow's communities*

► **PUMPING FACILITIES**

Project:

Storm Water Pump Station

Location:

Key West, FL

Profile:

Stormwater flooding was a critical issue at two densely populated areas located at the end of US 1 in Key West. To alleviate the problem, Lanzo Construction installed six catch basins, two large poured-in-place stormwater pump structures (including pumps and controls), and two Vortex filtration structure systems. The water collected by the catch basin is injected into two new gravity wells located next to the pump stations. To carry the water, 493 lineal feet of 18" to 36" PVC drainage lines and four 24" diameter drainage wells were installed.

The location alone presented some interesting challenges in terms of landscape and materials handling. Because the project was located at the very end of the main Key West highway, all the necessary materials needed to be shipped to the site. In addition, cap rock formations required Lanzo Construction to bring in heavy equipment and excavate the area prior to beginning the project.

