



*Delivering sustainable infrastructure solutions
for tomorrow's communities*

► WATER & WASTEWATER TREATMENT

Project:

Sequencing Batch Reactor Wastewater Treatment Plant

Location:

Marathon, FL

Profile:

This 0.250 MGD Sequencing Batch Reactor (SBR) wastewater treatment plant was constructed in the Florida Keys – specifically, Marathon, FL, and designed to work in conjunction with the vacuum collection system the city had recently installed for the island.

Lanzo Construction is no stranger to the intricacies of working with the communities in the Keys. Heavy construction must be carefully and critically planned around nature, water and residential living. This particular project required a steady flow of materials and subcontractor services in an area where privacy, quiet and pristine beauty are valued. The ground conditions in the Florida Keys required special equipment to address the challenging cap rock formations.

The scope of work for this plant construction included:

- All site work including auger-cast pilings, foundations, concrete slabs, tank construction, and sidewalks and paving.
- The installation of vacuum station equipment that included process piping for the SBR treatment plant equipment, automatic screening equipment, the oxidizing air scrubber, chemical storage and pumping systems, a nutrient analyzer system, the influent flow meter, on-line process monitoring equipment, electrical work, re-use equipment and all control panels.
- The construction of a new control building to house the standby diesel generator, laboratory and office equipment, plant maintenance and equipment.

