

New Kermit J. Lewin Stock Island Reverse Osmosis Facility

The Florida Keys Aqueduct is in the final construction stage of a new reverse osmosis (RO) treatment facility, which replaces the existing Stock Island RO plant. The new facility includes a process building designed to meet hurricane wind and storm surge requirements. This structure contains the primary components of a 4.0-mgd capacity RO system, a clean in place membrane system, chemical feed storage and feed systems, an attached permeate water clearwell with degasifiers, and a transfer pumping system to deliver the potable water produced to the distribution system. The facility also includes a RO system control room, breakroom, restrooms, a water quality testing laboratory, and maintenance rooms. Site improvements including yard piping, paving, grading, and drainage are provided for, and are integrated into the other site improvements. The facility will utilize 4 existing production wells for source water, and the existing injection well for byproduct water disposal. All improvements shall be constructed in accordance with the Drawings and Specifications. Construction is expected to be completed in April 2025.