

**PROJECT NAME:** FRANKLIN ACADEMY LIFT STATION UPGRADE

**PROJECT LOCATION:** City of Cooper City, Florida

**PROJECT DESCRIPTION:**

A private K through 8 school located on 9.25 acre campus in Cooper City. The 81,000 square foot state-of-the-art facility includes specialty rooms for music, art, computer labs, large multipurpose room as well as science labs and locker rooms.

**THOMPSON & ASSOCIATES ROLE:**

Thompson & Associates was retained to evaluate the existing lift station servicing this site and provide calculations, plans and specifications to upgrade the existing lift station for the increase flow. Calculations were completed to include sewage flow from the proposed school, as well as a single family residence, multifamily residences, and a church. Coordination with the City of Cooper City Utilities Department focused on the force main connection alternatives in order to accommodate the proposed sewage flow. The design included a duplex with 15.5 HP submersible pumps at 100 gallons per minute (GPM) and a Total Dynamic Head (TDH) 150 feet. Permitting was completed through Cooper City, and Broward County.

**PROJECT START DATE:** 2013

**PROJECT END DATE:** 2014

**CLIENT NAME:** Ross Engineering, Inc.

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