

PROJECT NAME: EVERGLADES PREPARATORY ACADEMY
PROJECT LOCATION: 2251 East Mowry Drive, Homestead, Florida 33033
PROJECT DESCRIPTION:

This project is a Charter School constructed in two phases. Phase I consisted of a two-story building encompassing approximately 52,500 square feet for students in grades six to eleven. The school opened in August 2012 for grades six to ten and will add grade eleven for the school year 2013-2014. Phase II accommodated an additional 884 students in grades six to eleven.

THOMPSON & ASSOCIATES ROLE:

T&A was the engineer-of-record for the project and completed a due diligence report, preliminary design, final design, permitting, bidding assistance, and construction inspection services. Prepared the final design packages including paving; grading; drainage collection systems; water distribution system; wastewater collection system and lift station; signage; pavement marking; and erosion and sediment control plans. Potable water distribution consisted of a looped system with 1050 LF of 8" DIP and 1750 LF of 12" DIP main around the main structure, with two points of connection (tapping sleeve and valve) to the south to an existing 12" DIP on Mowry Boulevard, as well as fire and service laterals, fire hydrant locations, and stub-outs for future use. The sanitary sewer collection system was designed to City of Homestead minimum standard including two manholes and 400 LF on 8" PVC line and associated laterals. The proposed grinder station is designed for 30 gallons per minute (GPM) at a Total Dynamic Head (TDH) 2 feet and discharging to an existing manhole. The triplex on-site 1-hp pumps was utilized with a 475 linear feet of 2" SDR 11 HDPE force main in order to discharge the wastewater. Permitting was completed through City of Homestead, MDC WASD, MDC Fire Department, MDC Permitting, Environment and Regulatory Affairs Department, FDEP, and MDC Health Department.

PROJECT START DATE: 2011
PROJECT END DATE: Phase I 2012 and Phase II 2013
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