

PROJECT NAME: TRAILS CHARTER SCHOOL
PROJECT LOCATION: Palm Beach County, Florida

PROJECT DESCRIPTION:

The private charter school is approved for 1,240 students and is situated on 7.5 acres near Hypoluxo Road and Military Trail in unincorporated Palm Beach County. The amenities for this K-8 charter school include an all-purpose field, cover playground, and secured bicycle storage. As part of the site development, a signalized intersection was created, parking lot improvement to an adjacent property, almost on half mile of 12" force main, as well as right turn lane and left turn lane additions.

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 demolition, site preparation, 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 2125 LF of 8" PVC main around the school structure, connecting (tapping sleeve and valve) to the an existing 8" main on South Military Boulevard, as well fire and service laterals and fire hydrant locations. Approximately 1550 lf of 12" DIP force main was also extended north from Hypoluxo Road to the northern property line along the west side of South Military Drive with stub-out for properties adjacent to the right-of-way. The proposed grinder station is designed for 50 gallons per minute (GPM) at a Total Dynamic Dead (TDH) 105 feet and a pressure head of 92 feet at the 12 inch force main. the duplex on-site 10-hp pumps was utilize with a 650 linear feet of 3" SDR 11 HDPE force main in order to discharge the wastewater. Permitting was completed through PBC Water Utilities Department, PBC Health Department, and PBC Fire Marshall, PBC land Development and Engineering division, SFWMD, and LWDD.

PROJECT START DATE: 2013

PROJECT END DATE: 2015

CLIENT NAME: MG3 Developer Group

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