

**PROJECT NAME:** **MILITARY TRAIL ROADWAY IMPROVEMENTS**

**PROJECT LOCATION:** Palm Beach County, Florida

**PROJECT DESCRIPTION:**

As part of a new 1,240 student charter school, a 220' right turn lane, 330' left turn lane, a 320' left turn lane, and a signalized intersection were added to Military Trail. This section of Military Trail is a divided County facility designated as a principal arterial roadway. As part of an off-site force main, ½ mile of Military Trail had to be restored by milling and resurfacing.

**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

**CLIENT CONTACT:** John D. Gavenas, Development Coordinator  
(954) 929-5229  
jgavenas@mg3developer.com

**CLIENT ADDRESS:** 1915 Harrison Street, Hollywood, Florida 33020

