

# NW 170th Street

Hialeah, FL



# PROJECT OVERVIEW AND CHALLENGES

Bradshaw Construction installed 524 linear feet of 52.5 inch Permalok steel casing by microtunneling underneath the heavily traveled I-75 highway. We then installed a 36 inch ductile iron carrier pipe within the tunnel as a new water main. Bradshaw assisted the General Contractor with subcontractor supervision at no additional cost, helping to insure quality of the shaft and concrete work. Even with a vast amount of water leaking into the shaft, Bradshaw continued to mine through man made obstructions to the MTBM, while successfully managing line and grade to deliver a product ahead of schedule. Besides trash fill, the ground conditions included sand and limestone below the water table.





## **PROJECT INFORMATION - 513**

#### **OWNER:**

Miami-Dade Water & Sewer Department 3071 S.W. 38th Avenue Miami, FL 33146 305-665-7477

### ENGINEER:

AECOM Technical Services, Inc. 13450 W. Sunrise Blvd #200 Sunrise, FL 33323 James Penkosky 954-745-7200

**CONTRACTOR:** GPE Engineering Contractors

**COMPLETION DATE:** 6/16/2012

GEOLOGY: Limestone with Trace Sand

EXCAVATION METHOD: Herrenknecht AVN-1000 MTBM

MINING DIMENSIONS: 524' x 54" Ø

FINAL LINING: 36" Ductile Iron Pipe

#### FOR MORE INFORMATION:

Eric Eisold, Vice President 410-970-8300 eeisold@bradshawcc.com Refer to Project 513