

## South County Re-Pump Station Water TM to 19th Ave. CIP 31969 Ruskin, FL



### PROJECT OVERVIEW AND CHALLENGES

As part of Capital Improvement Project for Hillsborough County necessary to accommodate an expanding population, Bradshaw microtunnelled in a single drive 1,055 linear feet of 48" steel casing for 16" DIP carrier pipe under I-75. Bradshaw also installed a 16'x30' launch shaft and a 12'x16' receiving shaft. The depth of the shafts were approx. 25-feet deep and below the water table. Ground conditions were mostly sand. The main challenges for this project were double-shifting the tunneling operations per FDOT specifications, overhead power lines, a very tight schedule, and the length versus diameter of the tunnel making this Bradshaw's longest run for this diameter.



### PROJECT INFORMATION - 580

#### OWNER:

Hillsborough County  
Public Utilities Dept. Water Resource  
Division  
813-272-5977  
HagwoodD@HCFLGov.net

#### ENGINEER:

Black & Veatch Inc.  
Nicholas Wickhardt  
813-281-0032  
eckhardtnw@bv.com

#### CONTRACTOR:

Westra Construction Corporation

#### COMPLETION DATE:

11/20/2018

#### GEOLOGY:

Sand

#### EXCAVATION METHOD:

Herrenknecht AVN-800A MTBM

#### MINING DIMENSIONS:

1055' x 48" Ø

#### FINAL LINING:

16" Ductile Iron Pipe

#### FOR MORE INFORMATION:

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Refer to Project 580