

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