

North Central Hillsborough Inter-tie - Phase 2 Tampa, FL



PROJECT OVERVIEW AND CHALLENGES

Bradshaw Construction was subcontracted to Rockdale Pipeline, Inc. to tunnel under the Hillsborough River and install an 84 inch diameter water main in the tunnel. The tunnel was installed by direct jacking a 98 inch diameter steel casing behind a 101 inch diameter Lovat tunnel boring machine. The tunnel was completed successfully through difficult ground conditions including layers of hard and abrasive chert and high groundwater pressures.



PROJECT INFORMATION - 377

OWNER:

Tampa Bay Water Authority
2575 Enterprise Road
Clearwater, FL 33763
(727) 796-2355

ENGINEER:

Greeley & Hansen
Dave Hodge
(813) 873-3666

CONTRACTOR:

Rockdale Pipeline, Inc.

COMPLETION DATE:

2/4/2004

GEOLOGY:

Limestone, Clay & Chert

EXCAVATION METHOD:

Lovat TBM

MINING DIMENSIONS:

300' x 101" Ø

FINAL LINING:

Steel Casing Jacked 98" Ø

FOR MORE INFORMATION:

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Refer to Project 377