Project Profile: MICROTUNNELING

BRADSHAW CONSTRUCTION CORPORATION
TUNNELING SPECIALISTS

Smith WWTF Force Main Phase B
Mobile, AL

PROJECT OVERVIEW AND CHALLENGES

Bradshaw Construction installed 240 linear feet of 60 inch Permalok steel casing by microtunneling. The welded steel casing was installed on a 24/7 schedule in soft ground below the water table underneath a CSX railway. A 42 inch ductile iron carrier pipe was installed through the tunnel. Recovery of the MTBM within flowing ground adjacent to a truck route created additional complications that were overcome.

PROJECT INFORMATION - 526

OWNER:
City of Mobile
Board of Water & Sewer
Commissioners
(251) 342-5742

ENGINEER:
Volkert & Associates, Inc.
Bryan Peacock
(251) 342-1070

CONTRACTOR:
Hughes Plumbing & Utility
Contractors, Inc.

COMPLETION DATE:
2/27/2013

GEOLOGY:
Silty Sand

EXCAVATION METHOD:
Herrenknecht AVN-1200 MTBM

MINING DIMENSIONS:
240' x 60" Ø

FINAL LINING:
42" Ductile Iron Pipe

FOR MORE INFORMATION:
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Refer to Project 526