

## 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