

## Table Rock Reservoir Intake Tunnel Cleveland, SC



### PROJECT OVERVIEW AND CHALLENGES

The Table Rock Intake project was a technically complex water-intake project, which required pinpoint accuracy. The project involved the installation of a raw water intake tunnel below the Cleveland, SC, dam and its associated reservoir. The project involved a marine retrieval of the MTBM via a miniscule shaft - 11' in diameter to be exact. Tunneling under a dam is inherently a highly sensitive and risky undertaking. That being said, the project was completed flawlessly, with no lost time due to injuries and without any negative environmental impacts. The client was so impressed with our work, that it led to the awarding of both the 2005 Carolina's ACG Pinnacle Award for "Best Utility Project" and the National ACG Marvin M. Black Excellence in Partnering Award.



### PROJECT INFORMATION - 421

#### OWNER:

Greenville Water System  
Michael Sharpless  
864.241.6007  
msharpless@greenvillewater.com

#### ENGINEER:

CDM  
Stephen Whiteside  
919.325.3556  
whitesidesl@cdm.com

#### CONTRACTOR:

Crowder Construction Company

#### COMPLETION DATE:

10/31/2004

#### GEOLOGY:

Rock

#### EXCAVATION METHOD:

Herrenknecht MTBM 60" Ø

#### MINING DIMENSIONS:

480' x 60" Ø

#### FINAL LINING:

DIP Pipe, Jacked, 42" Ø

#### FOR MORE INFORMATION:

Eric Eisold, Vice President  
410.970.8300  
eeisold@bradshawcc.com  
Refer to Project 421