Project Profile: MICROTUNNELING

BRADSHAW CONSTRUCTION CORPORATION
TUNNELING SPECIALISTS

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
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ENGINEER:
CDM
Stephen Whiteside
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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:
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Refer to Project 421