Project Profile: MICROTUNNELING

BRADSHAW CONSTRUCTION CORPORATION
TUNNELING SPECIALISTS

Cow Branch Sewer Replacement
Woodbridge, VA



PROJECT OVERVIEW AND CHALLENGES

The Cow Branch Sewer project in Woodbridge, VA, consisted of the installation of approximately 8,000' of new gravity sewer main in the 8" to 36" diameter size range. 944' of 36" sewer main was to be installed via microtunneling under a wetland area that empties into the Potomac River. This project represented the Prince William County Authority's (PWCSA) first microtunneling project. In lieu of 36" pipe, Bradshaw direct jacked 41" of HOBAS pipe through the extremely soft silt below the water table.





PROJECT INFORMATION - 500

OWNER:
Prince William County Service Authority
Ron Tatariw, Project Engineer
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ENGINEER:
Michael Baker Jr. Inc.
Michael Baker Jr.
757.463.8770

CONTRACTOR:
R.L. Rider and Company

COMPLETION DATE:
12/20/2010

GEOLOGY:
Organic Clay

EXCAVATION METHOD:
Herrenknecht AVN-800 MTBM

MINING DIMENSIONS:
944' x 43" Ø

FINAL LINING:
41" Fiber Reinforced Pipe

FOR MORE INFORMATION:
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Refer to Project 500