

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 703.335.8926 rtatariw@pwcsa.org

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:

Doug Piper, Project Manager 410.970.8300 dpiper@bradshawcc.com Refer to Project 500