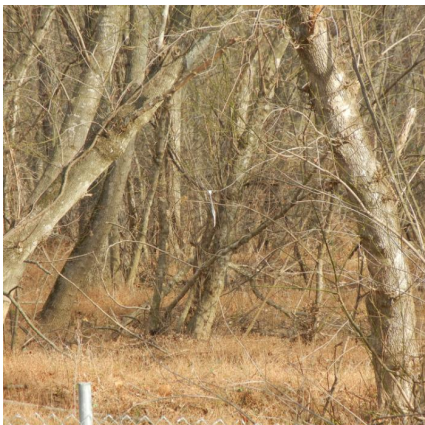


## Cow Branch Sewer Replacement Woodbridge, VA



### 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  
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Refer to Project 500