

## Potomac Interceptor Sewer System Improvements Arlington , VA



### PROJECT OVERVIEW AND CHALLENGES

Bradshaw Construction has completed three tunnels by microtunneling, totaling 1,183 linear feet, below highways and the Arlington National Cemetery for Arlington County's Potomac Interceptor. 60-inches of steel casing was installed by microtunnel through soft ground to place 42-inch FRP carrier pipe for a gravity sewer on one tunnel. 48-inch RCP was direct jacked through rock and mixed face conditions to complete the other two tunnels. The rock was stronger than anticipated, but the tunnels were installed while maintaining respect for the visitors of the National Cemetery and the US Marine Corps Memorial.



### PROJECT INFORMATION - 485

**OWNER:**

Dept. of Environmental Services  
Arlington County, VA  
Jerry Kuo  
703.228.3664

**ENGINEER:**

CDM  
Daniel Gilroy  
703.247.8730

**CONTRACTOR:**

Flippo Construction

**COMPLETION DATE:**

5/31/2012

**GEOLOGY:**

Rock, Sand, Clay

**EXCAVATION METHOD:**

Herrenknecht AVN-1200 MTBM

**MINING DIMENSIONS:**

238' x 59", 417' x 59", 538' x 59" Ø

**FINAL LINING:**

48" Reinforced Concrete Pipe  
48" Fiber Reinforced Pipe

**FOR MORE INFORMATION:**

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Refer to Project 485