

## College Drive Waterline Phase II Suffolk, VA



### PROJECT OVERVIEW AND CHALLENGES

Bradshaw Construction microtunnelled a single 370 linear feet drive of 30 inch steel casing under I-664 in Suffolk, VA. The subsurface conditions consisted of loose clayey & silty sands (SC & SM) below the groundwater table. Settlement was less than an 1/8 of an inch. Bradshaw installed a 16 inch restrained joint ductile iron pipe for a water main inside the jacked casing. Since this was a single drive, the greatest challenge was the 24x7 tunneling schedule required by the Owner to minimize potential impact to highway operations and the public.



### PROJECT INFORMATION - 547

**OWNER:**

City of Suffolk  
Adam James  
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**ENGINEER:**

Dewberry Engineers, Inc.  
Scott Funk  
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**CONTRACTOR:**

Branscome, Inc

**COMPLETION DATE:**

4/24/2015

**GEOLOGY:**

Loose Clayey, Silty Sands

**EXCAVATION METHOD:**

Herrenknecht AVN-600 MTBM

**MINING DIMENSIONS:**

370' x 30" Ø

**FINAL LINING:**

16" Ductile Iron Pipe

**FOR MORE INFORMATION:**

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Refer to Project 547