

## MD RT 301 24" Force Main Waldorf, MD



### PROJECT OVERVIEW AND CHALLENGES

Bradshaw Construction Corp. completed the installation of 355 linear feet of 43 inch steel casing and 24 inch ductile iron pipe under Smallwood Road as part of Charles County's US 301 Force Main Project. A 30 foot by 16 foot steel sheeted shaft was constructed for the launch at 15 vertical feet deep. The casing was jacked behind a microtunnel boring machine in silty sand and clay.



### PROJECT INFORMATION - 554

**OWNER:**

St. Charles Companies  
Matthew Martin  
301-843-8600

**ENGINEER:**

Arro  
Richard Parks  
301-791-1100

**CONTRACTOR:**

Facchina Construction Company,  
Inc.

**COMPLETION DATE:**

1/11/2016

**GEOLOGY:**

Silty Sand, Loose Sand, Clayey  
Sand

**EXCAVATION METHOD:**

Herrenknecht AVN-800 MTBM

**MINING DIMENSIONS:**

355' x 43"Ø

**FINAL LINING:**

24" Ductile Iron Pipe

**FOR MORE INFORMATION:**

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410-970-8300  
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Refer to Project 554