

## 30th Avenue North Storm Water Improvements St. Petersburg, FL



### PROJECT OVERVIEW AND CHALLENGES

Bradshaw Construction installed 147 linear feet of 72 inch reinforced concrete pipe for a storm water system needing improvements. This was accomplished by direct jacking in a single pass under a CSX Transportation Railroad at a depth of 10 feet below the existing grade. Bradshaw worked closely with the CSX Railroad to install dewatering within the right of way, allowing for this type of cost-savings tunnel method in lieu of microtunneling. The successful completion of this project is a testimony to the reputation for all parties involved.



### PROJECT INFORMATION - 489

**OWNER:**

City of St. Petersburg  
Engineering & Capital Improvements  
Department  
P.O. Box 2842  
St. Petersburg, FL 33731  
727.893.7295

**ENGINEER:**

URS Corporation Southern  
Russell Pratt, PE  
russ\_pratt@urs.com  
813.286.1711

**CONTRACTOR:**

Woodruff & Sons, Inc.

**COMPLETION DATE:**

10/23/2010

**GEOLOGY:**

Sand and Sand with Silt

**EXCAVATION METHOD:**

Akkerman Excavator Shield &  
Wheeled TBM

**MINING DIMENSIONS:**

147' x 89" Ø

**FINAL LINING:**

72" Reinforced Concrete Pipe

**FOR MORE INFORMATION:**

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Refer to Project 489