

Piney Branch Sewer Interceptor Upgrade - Phase 1 Waldorf, MD



PROJECT OVERVIEW AND CHALLENGES

Bradshaw Construction completed five tunnels, totaling 1600', by microtunneling below lakes, swamps, and roadways. The tunnels were for Charles County's Piney Branch Sewer Interceptor Phase 1. 60" jacked steel casing was used to install 42" PVC carrier pipe for a gravity sewer. Subsurface conditions included silt, clay, and sand. Bradshaw Construction also installed five steel sheeted jacking shafts ranging from 18 to 23' deep. Access through lengthy haul roads on limited right of way due to the wetlands was the major challenge to installing the microtunnels.



PROJECT INFORMATION - 505

OWNER:

Charles County Maryland
200 Baltimore Street
La Plata, MD 20646
301.645.0689

ENGINEER:

KCI Technologies
936 Ridgebrook Road
Sparks, MD 21152
John Kovacs, 410.316.7800

CONTRACTOR:

American Infrastructure

COMPLETION DATE:

8/31/2011

GEOLOGY:

Silt, Clay, Sand

EXCAVATION METHOD:

Herrenknecht MTBM 60" Ø

MINING DIMENSIONS:

1,600' x 60" Ø

FINAL LINING:

42" PVC

FOR MORE INFORMATION:

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Refer to Project 505