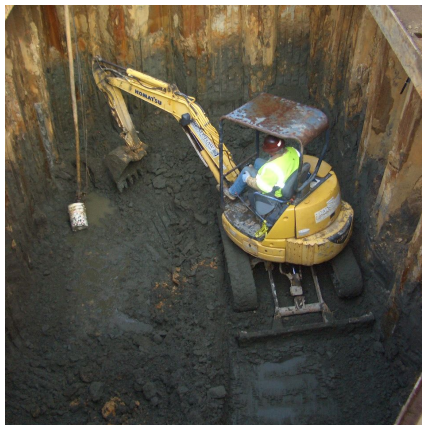


Piney Branch Sewer Interceptor Upgrade - Phase 1 Waldorf, MD



PROJECT OVERVIEW AND CHALLENGES

As part of a 1,600 linear feet microtunnel sewer project, Bradshaw installed all the 5 drive shafts. Subsurface conditions included silt, clay, and sand with the tunnels well below the ground water table. Bradshaw used interlocking steel sheeting to install the water tight shafts ranging in depth from 18 to 23 feet. The primary challenges of this project were the limited access along lengthy haul roads with narrow right of way within wetlands.



PROJECT INFORMATION - 505

OWNER:

Charles County
Aaron Hamm
(301) 645-0509

ENGINEER:

KCI Technologies
John Kovacs
(410) 316-7800

CONTRACTOR:

American Infrastructure

COMPLETION DATE:

8/31/2011

GEOLOGY:

Silt, Clay, Sand

EXCAVATION METHOD:

Vibratory Pile Hammer

MINING DIMENSIONS:

12'-15' x 15-30VF

FINAL LINING:

Steel Sheeting

FOR MORE INFORMATION:

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(410) 970-8300
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Refer to Project 505