Project Profile: MICROTUNNELING

BRADSHAW CONSTRUCTION CORPORATION
TUNNELING SPECIALISTS

Sewerage System Improvements Division C, Phase 1 & Suction Lines
Portsmouth, VA



PROJECT OVERVIEW AND CHALLENGES

Bradshaw Construction microtunneled 110 linear feet of 43 inch steel casing under a CSX railroad track in Portsmouth, VA. The subsurface conditions consisted of loose, poorly graded & silty sand (SP-SM), below the groundwater table. Settlement points were monitored along the railroad, with all readings measuring less than 1/8 of an inch. Mining was conducted on a 24/7 basis per the requirements of CSX. The HDPE carrier pipe was installed by the General Contractor, Tidewater Utility Construction.





PROJECT INFORMATION - 548

OWNER:
Hampton Roads Sanitation District
Gary Hart
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ENGINEER:
URS
Daniel Rickmond
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CONTRACTOR:
Tidewater Utility Construction

COMPLETION DATE:
5/28/2015

GEOLOGY:
Sand

EXCAVATION METHOD:
Herrenknecht AVN-800 MTBM

MINING DIMENSIONS:
110' x 43" Ø

FINAL LINING:
30" High Density Polyethlene Pipe

FOR MORE INFORMATION:
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Refer to Project 548