Project Profile: MICROTUNNELING

BRADSHAW CONSTRUCTION CORPORATION
TUNNELING SPECIALISTS

Sweeney Water Treatment Plant Expansion
Wilmington, NC

PROJECT OVERVIEW AND CHALLENGES

Bradshaw was contracted to install 200 linear feet of 42 inch steel casing by slurry microtunneling for the Sweeney Wastewater Treatment Plant near by Cape Fear River to house a 30 inch ductile iron pipeline. Bradshaw encountered several debris obstructions ranging from cast iron to wood.

PROJECT INFORMATION - 484

OWNER:
City of Wilmington
Purchasing
Dave Walker
919-463-6772

ENGINEER:
Black & Veatch, Inc.
Ryan Bouchard
704-548-8461
rbouchardrp@bv.com

CONTRACTOR:
Archer Western Construction

COMPLETION DATE:
11/10/2009

GEOLOGY:
Clayey Sand, Silty Sand, Debris (iron, rebar, wood, etc)

EXCAVATION METHOD:
Herrenknecht AVN-800 MTBM

MINING DIMENSIONS:
200' x 42"Ø

FINAL LINING:
30" Ductile Iron Pipe

FOR MORE INFORMATION:
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Refer to Project 484