Project Profile: TBM TUNNELING

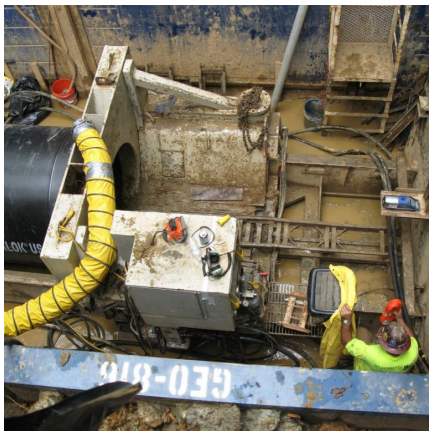
BRADSHAW CONSTRUCTION CORPORATION
TUNNELING SPECIALISTS

Manchester Creek Outfall, Phase II
Rockhill, SC



PROJECT OVERVIEW AND CHALLENGES

Bradshaw jacked two 60 inch diameter steel casings 15 feet below Dave Lyle Blvd. and Anderson Road using a conventional tunnel boring machine (TBM) in Rock Hill, SC. The 265 and 140 linear foot drives were part of a sanitary sewer outfall project. One 30-foot reach had to be hand mined through an unanticipated rock formation. Bradshaw finished the tunnels by installing 42 inch Ductile Iron Pipe and grouting it in place.





PROJECT INFORMATION - 530

OWNER:
City of Rock Hill
Utilities Department, Engineering Division
Scott Turner
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ENGINEER:
Wiedeman & Singleton
Troy Began
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CONTRACTOR:
Garawaco, Inc.

COMPLETION DATE:
9/28/2013

GEOLOGY:
Residual soils, PWR, & rock

EXCAVATION METHOD:
Akkerman WM-480

MINING DIMENSIONS:
265' x 60" & 140' x 60" Ø

FINAL LINING:
42" Ductile Iron Pipe

FOR MORE INFORMATION:
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Refer to Project 530