Project Profile: TBM TUNNELING

Elizabethtown Transmission Reinforcements - Phase II
South Bound Brook, NJ



PROJECT OVERVIEW AND CHALLENGES

The Elizabethtown project highlights Bradshaw's ability to quickly adapt to major problems in an efficient, expedient manner. A special head was fabricated specifically for this project, based upon the unique conditions indicated by the boring logs. However, the head proved ineffective. Our fabrication department modified the head, and anticipated production rates returned to the expected amount. Utilizing a 101" diameter Lovat TBM, the 1,245' run was completed on schedule.





PROJECT INFORMATION - 418

OWNER:
Elizabethtown Water Co.
(now NJ American Water)
Mike Wolan
908.431.3225

ENGINEER:
Hatch, Mott, & MacDonald
310.610.9594

CONTRACTOR:
Spiniello Construction Co.

COMPLETION DATE:
1/1/1970

GEOLOGY:
Shale

EXCAVATION METHOD:
Lovat TBM, 101" Ø

MINING DIMENSIONS:
1,245' x 101" Ø

FINAL LINING:
One Pass Steel Pipe, 72" Ø

FOR MORE INFORMATION:
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Refer to Project 418