Project Profile: TBM TUNNELING

College of William & Mary Historic Campus Utility Improvements, Ph 1, Water Distribution Lines

Williamsburg, VA



PROJECT OVERVIEW AND CHALLENGES

The project for the College of William and Mary involved the construction of twin 600' by 60" diameter runs. 48" ID RCP was jacked behind a 60" diameter Akkerman TBM. Ground conditions encountered on the job included clay with some wet sand layers. The tunnels were used for steam and chilled water lines.





PROJECT INFORMATION - 499

OWNER:
College of William & Mary
Historic Campus
757.221.2270

ENGINEER:
RMF Engineering Inc.
John Williamson
410.576.0505

CONTRACTOR:
Mid Atlantic Infrastructure

COMPLETION DATE:
9/20/2010

GEOLOGY:
Clay, Wet Clay

EXCAVATION METHOD:
Akkerman WM 48C w/ Wheel TBM

MINING DIMENSIONS:
600' & 600' x 60"Ø

FINAL LINING:
48" Reinforced Concrete Pipe

FOR MORE INFORMATION:
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Refer to Project 499