

Appalachian State Steam Tunnel Boone, NC



PROJECT OVERVIEW AND CHALLENGES

Bradshaw Construction Corporation successfully installed 220' of 84" RCP to act as a steam tunnel for the Appalachian State University. This was achieved by utilizing a 101.5" Lovat TBM capable of mining through hard rock conditions. The pipe was jacked directly behind the TBM. Soil conditions consisted of hard biotite gneiss rock.



PROJECT INFORMATION - 479

OWNER:

Appalachian State University
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ENGINEER:

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CONTRACTOR:

Crowder Construction Company

COMPLETION DATE:

10/2/2009

GEOLOGY:

Hard Biotite Gneiss Rock

EXCAVATION METHOD:

Lovat TBM: 101.5" Ø

MINING DIMENSIONS:

220' x 101.5" Ø

FINAL LINING:

RCP, 84" Ø

FOR MORE INFORMATION:

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Refer to Project 479