Project Profile: HAND TUNNELING

BRADSHAW CONSTRUCTION CORPORATION
TUNNELING SPECIALISTS

Glenmont Rock Handmine
Wheaton, MD



PROJECT OVERVIEW AND CHALLENGES

Our client had concerns about breaking rock with a hoe ram so close to an existing water main. Instead, Bradshaw installed two tunnels hand mined through rock under the existing water main. The first one went so well that a second tunnel was added after the first one was completed. The rock was removed via drilling and splitting with pneumatic breakers, and then a steel sleeve was installed as a casing for the carrier pipe.





PROJECT INFORMATION - 559

OWNER:
Winchester Homes
301-803-4800
info@winchesterhomes.com

ENGINEER:
N/A

CONTRACTOR:
Utilities Unlimited, Inc.

COMPLETION DATE:
4/15/2016

GEOLOGY:
Rock

EXCAVATION METHOD:
Handmine

MINING DIMENSIONS:
7' & 15' x 36" x 36"

FINAL LINING:
52.5" Steel Casing

FOR MORE INFORMATION:
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Refer to Project 559