Project Profile: HAND TUNNELING



OWSP Quarry Intake

Winchester, VA



PROJECT OVERVIEW AND CHALLENGES

Water supply project in abandoned quarry. 312' of 10' horseshoe tunnel in limestone rock for underground intake. Drill & blast exacavtion using rock bolt supports suplemented as needed with welded wire fabric and shotcrete. Final lining was 4" of synthetic fiber reinforced shotcrete.





PROJECT INFORMATION - 619

OWNER:

Frederick Water
Construction Supervisor
Charlie Miller
571-223-9904
charlie.miller@frederickwater.com

ENGINEER:

Schnabel Engineering Stephen Miller 703-779-0773 stmiller@schnabel-eng.com

CONTRACTOR:

Orders Construction

COMPLETION DATE:

12/15/2021

GEOLOGY:

Limestone

EXCAVATION METHOD:

Drill & blast

MINING DIMENSIONS:

10' x 10' horseshoe

FINAL LINING:

Synthetic fiber shotcrete

FOR MORE INFORMATION:

Todd Brown 410-970-8300 tbrown@bradshawcc.com Refer to Project 619