Project Spotlight
MasterRoc® Products
Underground Construction

Location
Cleveland, Ohio

Owner
Northeast Ohio Regional Sewer District

Design Engineer
McMillen Jacobs Wade Trim JV

Contractor
McNally Kiewit JV

Tunnel Size
1.9 miles (3 km) long,
18 feet (5.5 m) diameter

TBM (tunnel boring machine)
Hard Rock TBM
manufactured by Herrenknecht

Geology (Ground Condition)
Chagrin Shale formation

Product Applications
Annulus Grout:
MasterSet® R 100,
MasterRoc® AGA 41S;
Tail sealant:
MasterRoc® TSG 6,
MasterRoc® TSG 7;
Soil Conditioning:
MasterRoc® ABR 7;
Shotcrete: MasterRoc® SA 160

Doan Valley Storage Tunnel

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