

Project: Amtrak Culvert Replacements

Location: Glen Dale, MD

Project Details:

After well points were unable to properly dewater a perched water table, the auger bore method of pipe installation resulted in sinkhole development and a shutdown to Amtrak's NE corridor rail lines. The face of the bore was secured, and a horizontal stabilization program was implemented by Aaron Enterprises, Inc. to improve the soils. With the soils improved, the work crew used hand tunnel methods and the jacking system of the bore machine to install the steel casing. The product pipe was installed through the 72" casing and the annular space filled with cellular grout.

Final Product: 135 LF of 48" RCP in a 72" Diameter Steel Casing Pipe

Geology: Running/flowing sand, silt, and clay

Project Profile

Soil Stabilization

Completion Date

February 2021

Installation Methods:

Auger Boring
Pipe Jacking & Tunneling
Soil Stabilization
Grouting

Markets Served:

Storm Water
Transportation
Heavy Civil Construction
Railway



Owner:

Amtrak, Inc.

Engineer:

AMT and Associates, Inc.

Contractor:

JJID, Inc.

For More Information:

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Reference Job # 1910926A