

## Liberty Heights Handmine Baltimore, MD



### PROJECT OVERVIEW AND CHALLENGES

Bradshaw installed 16 linear feet of a 48 inch woodbox tunnel in rock under Hilton Street. The tunnel accommodated a new sewer line in a residential area of the City of Baltimore. Tunneling was preferred over open cut by both the owner and the general contractor due to the disturbance associated with open cut rock excavation.



### PROJECT INFORMATION - 539

**OWNER:**

City of Baltimore  
410-396-3835

**ENGINEER:**

N/A

**CONTRACTOR:**

Monumental Paving & Excavating

**COMPLETION DATE:**

5/15/2014

**GEOLOGY:**

Rock

**EXCAVATION METHOD:**

Hand Mine

**MINING DIMENSIONS:**

16' x 48" x 48"

**FINAL LINING:**

18" Ductile Iron Pipe

**FOR MORE INFORMATION:**

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Refer to Project 539