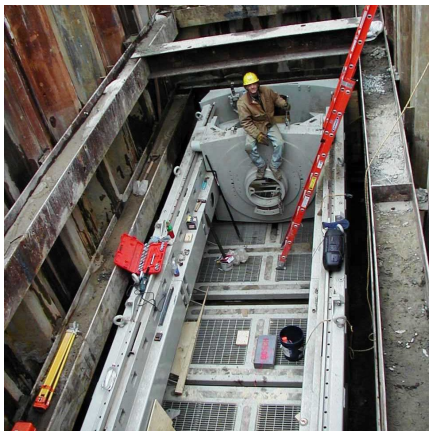
Project Profile: MICROTUNNELING

BRADSHAW CONSTRUCTION CORPORATION
TUNNELING SPECIALISTS

Libbytown Storm Drain Project
Portland, ME

PROJECT OVERVIEW AND CHALLENGES

This project was to install a 24" storm sewer pipe for the City of Portland, Maine. Bradshaw used an Akkerman SL-24 microtunnel boring machine to one pass pipe jack 24" Hobas sewer pipe from shafts constructed by the contractor. The challenge on this project turned out to be the ground conditions which included unexpected cobbles and boulders. These conditions stopped the microtunnel boring machine and forced the installation of a rescue tunnel consisting of nearly 100' of 48" jacked steel casing.



PROJECT INFORMATION - 390

OWNER:
City of Portland

ENGINEER:

CONTRACTOR:
D&C Construction

COMPLETION DATE:
12/31/1969

GEOLOGY:
Glacial Deposits of Silt, Sand, Cobbles, Boulders

EXCAVATION METHOD:
Akkerman SL-24 Slurry Microtunnel

MINING DIMENSIONS:
450' x 24" Ø

FINAL LINING:
24" Hobas Fiberglass Pipe

FOR MORE INFORMATION:
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Refer to Project 390