

STEEL SHEET PILE COFFERDAM AND TRESTLE



Stemmers Run Sheet Pile Cofferdam and Trestle

When the US EPA required the State of Maryland to improve sewage treatment in Baltimore County, just east of the City of Baltimore, the project engineer designed a 54" diameter sewer force main to connect the Stemmers Run Relief Wastewater Pump Station to the Back River Wastewater Treatment Facility. In order to minimize wetland disturbance and maximize access for construction equipment, the contractor engaged Peirce Engineering, Inc. to design a combined cofferdam and work trestle. The resulting support structure was a steel sheet pile cofferdam, approximately 1700 ft long by 17 ft wide, internally braced, and capped with transverse timber deck mats to serve as the access and work trestle for the trench excavation, pipe bent construction and trench backfill across the back river.

OWNER:
Baltimore County Department of Public Works

PROJECT ENGINEER:
Rummel, Klepper, and Kahl, LLP

COFFERDAM/TRESTLE ENGINEER:
Peirce Engineering, Inc.

GENERAL CONTRACTOR:
American Infrastructure of Maryland



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