

Hays Mine Water Treatment Plant – Earth Retaining Structure

Client: Pennsylvania American Water Company, Pittsburgh District

Year: 2017 Cost: \$500,000



Gwin, Dobson & Foreman designed an earth retaining structure to stabilize a Pittsburgh street next to an existing water treatment plant and large diameter pipelines of the Pennsylvania American Water Company. A unique design provided for a steel H-pile wall and precast concrete lagging panels to replace a failing retaining wall on Madeline Street in the City of Pittsburgh.

The existing retaining wall was used for temporary support during construction which provided for the safe installation of the new wall. This design also allowed for the 42" water transmission main, 48" raw water main and 18" sludge line to remain in service throughout construction.