

AQUA AMERICA- PENNSYLVANIA
ENGINEER-PROCURE-CONSTRUCT
AQUA NESHAMINY WTP
OAKFORD, PENNSYLVANIA



Project Description

This EPC project was needed to Tie in 20" and 16" water lines approximately 1,600 LF to existing mains and construct a temporary booster pump building. The temporary system operated 4 months while building a new permanent booster station, included was a large electrical upgrade, new generator, reinforcing of existing plant floors to accommodate large loads from electrical gear, new HVAC cooling system, extensive duct bank. There was also extensive sitework and segmental retaining wall to accommodate new diesel generator. Reynolds value engineered retaining wall, installed segmental block wall in lieu of Cast in Place wall to save a month from the schedule. Crews dealt with a 100 year old plant with unknown underground obstructions to install the 1,200 LF of water main. Also value engineered was the ductile piping system to allow use of pipe restraint gaskets and MJ fittings with restraint lugs in lieu of a restrained joint pipe system. Piping was re-routed many times due to underground obstructions, so we were able to accommodate field changes.

At a Glance

Contract Amount:
\$4.6 M

Notice to Proceed:
February 15, 2017

Completion Date:
May 24, 2018

Owner:
Aqua America-Pennsylvania

Engineer:
Mott MacDonald