

# Pittsburgh Water and Sewer Authority (PWSA) 2020 Large Diameter Sewer Rehabilitation Project



*PWSA is proactively addressing its aging infrastructure through its Large Diameter Sewer Rehabilitation (LDSR) program. GPD was selected for their flagship 2020 LDSR project, which included over 1500 ft of 48", 60", and 101" brick sewers. GPD's evaluation of available trenchless rehabilitation technologies resulted in the selection of a spray-applied Geopolymer Lining System, which had not been used in the Pittsburgh region. This approach provided a structurally independent, corrosion-resistant new "pipe within a pipe," utilized a small construction footprint, was done with an internal sewage bypass, and did not require excavated entrance or exit pits.*

*Beneath the Surface: A revitalized sewer ready to serve for generations*



*Before rehabilitation*

*In service, post-rehabilitation*

