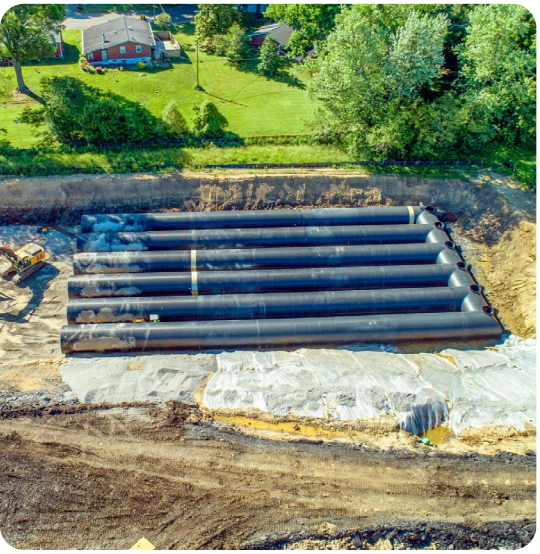
Case Study

New Albany Basin 16 Sanitary Sewer Improvements



Project Overview & Background

The City of New Albany, Indiana had a deteriorating sewer system that posed signifi cant issues to the nearby residential neighbourhoods, waterways, and the environment. During wet weather events, the system became overwhelmed leading to excessive Sanitary Sewer Overflows (SSO) that leaked untreated wastewater down the streets into nearby waterways. In 1992, the City was issued a consent decree by the Environmental Protection Agency (EPA) and the Department of Justice (DOJ).

The City, understanding that it "played a crucial role in promoting public health, managing wastewater, and protecting the environment," (City of New Albany) has constructed underground storage systems to comply with the decree and to "enhance water quality," (City of New Albany). The Basin 16 project is one of many improvements targeted at mitigating this issue, which was in cooperation with St. Mary's Cemetery and the Archdiocese of Indianapolis.

After an extensive review by our partners, Infra Pipes' HDPE Weholite® pipe was selected because Infra Pipes could meet the aggressive project schedule and minimize overall project costs due to ease of installation. Weholite® was also able to provide a long-term sustainable solution with its HDPE material characteristics providing a 100 (one hundred) year design life. The project safeguards and protects the environment, modernizes an aging system, enhances the quality of life for the nearby communities, makes New Albany more economically viable, and complies with the decree. With these continued improvements, the City of New Albany can petition for termination of the consent decree.

System, Partners & Timeline

Owner	Engineer & Consultant	Contractor	Installation Timeline
City of New Albany, Indiana, USA	Clark Dietz Inc.	TSI Construction Inc.	May 2018 - July 2018

STORAGE SYSTEM REQUIREMENTS

- 1,600,000 US Gal/6,056,659L
- 6 Barrels x 450'/137m long each x 120"/3m Weholite® (2,700'/823m)
- 4 Manifold sections - total 80'/24m long each
- 12 x 48"/1219.2mm Risers 7'/2m - 16'5m tall