

Elimination of CSO Outfall at 32nd and Thompson

Infrastructure Project

Schuylkill Watershed



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Status: Monitoring

Partners:

Philadelphia Water Department

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Structure R19, at 32nd and Thompson, was a storm relief chamber located on a trunk sewer chamber that flowed to structure R12, at Pennsylvania and Fairmount Ave. Due to flat conduit slopes and resulting low flow velocities, the trunk experienced sediment and grit accumulation across 75 to 90% of its cross-section. This sewer was difficult to clean and historical records indicated structural deficiencies within the sewer. Therefore, it was reconstructed at a steeper grade. Modeling results indicate that the reconstructed sewer will have sufficient capacity to eliminate all overflows from this site. Grit accumulation is being monitored at this location and cleaning is scheduled as needed. R19 was subsequently bulkheaded and removed from service. This project was completed in October 2003.



Benefits:

- This project eliminated one of the City's combined sewer overflow sites
- Results in a 0.5 million gallon reduction of overflow volume on an average annual basis



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