

INFRASTRUCTURE UPDATE

Phase 2 Green Infrastructure Project: East High School

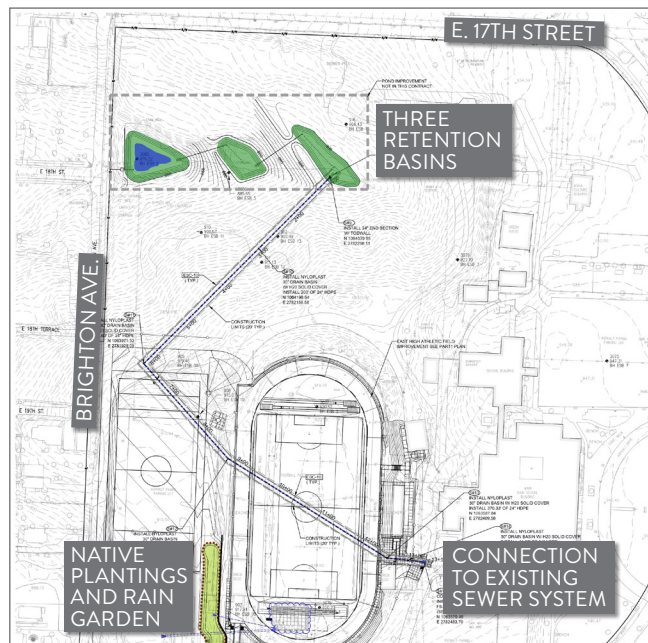
Construction Completed: September 2020
Total Contract amount: \$1,100,000

KC Water completed a green infrastructure project at East High School. This project used natural solutions consisting of green infrastructure elements, including three retention basins that will collect, treat, and infiltrate stormwater runoff. Now complete, the project will help protect our community's environment by capturing stormwater before it enters the combined sewer system, reducing the volume of sewer overflows into local waterways.

Project Area

This project is located on the East High School campus. The boundaries are:

- North: E. 17th Street
- South: E. 20th Street
- East: Van Brunt Boulevard
- West: Brighton Avenue



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WHAT WORK WAS DONE?

For this project, KC Water constructed:

- Three retention basins designed to hold additional water during rainfall events
- Hydraulic control structures and piping to connect the basins
- An outlet connection to the existing combined sewer system
- Native plantings in and around the basins and existing rain garden

WHO DID THE WORK?

KC Water was assisted by its program manager, Burns & McDonnell; its design professional, Vireo; and its construction contractor, Pyramid Excavation & Construction, Inc.

WHAT'S THE "CONSENT DECREE"?

In 2010, the City of Kansas City, Missouri entered into a federal Consent Decree with the United States Environmental Protection Agency to reduce the volume of overflows from the City's sewer system. KC Water's Smart Sewer program is a 30-year effort to address this challenge. The East High School Green Infrastructure Project was one of more than 100 projects being implemented by the Smart Sewer program.