KC GREEN INFRASTRUCTURE

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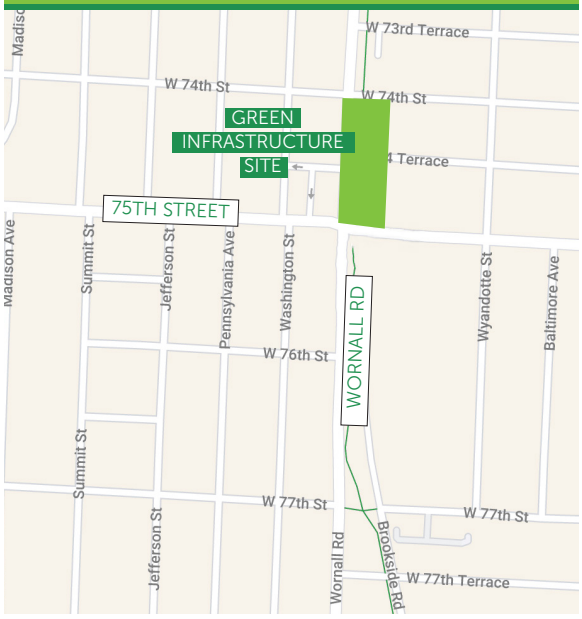
75TH & WORNALL ROADWAY IMPROVEMENTS

The 75th & Wornall Roadway Improvements project incorporated green infrastructure to help our community manage stormwater the way nature intended by capturing and utilizing rainwater where it falls. This site is can store about 820,000 gallons of stormwater from a 8.4-acre watershed in the Town Fork Creek Basin. It also replenishes groundwater and sustains trees to reinforce our urban tree canopy while working with gray infrastructure to increase the capacity of our underground pipes.

Project Snapshot

- **Details:** This project features stormwater tree planters along the roadway and parking lot to collect, filter, absorb, and reuse stormwater runoff. Underground detention is also included under the parking lot to help store excess stormwater runoff from the roadway improvements.
- **Investment:** This project includes approximately $10.7M in roadway, storm drainage, traffic signal/signage, lighting, streetscape, and water main improvements with an additional $3.3M in green infrastructure through a partnership between Kansas City Public Works and KC Water. Public Works is currently constructing the improvements, and is anticipated to be completed in winter of 2025.

Project Area



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WHAT DOES THIS SITE DO?

GREEN INFRASTRUCTURE decreases the amount of water getting into our pipes, improves water quality, and reduces flooding, pollution, and trash in our creeks, streams, and rivers. The 75th & Wornall Green Infrastructure Project includes:

- **Stormwater Tree Planters**
  Storage chambers are filled with soil and rock to help capture, store and absorb excess stormwater from the street and parking lot.
- **Underground Detention**
  There is more than meets the eye with this installation. The storm sewer system collects runoff from the street, which then connects to a series of arch-shaped storage chambers under the parking lot.

Stormwater Tree Planters

Underground Detention

Site Overview