KC GREEN INFRASTRUCTURE

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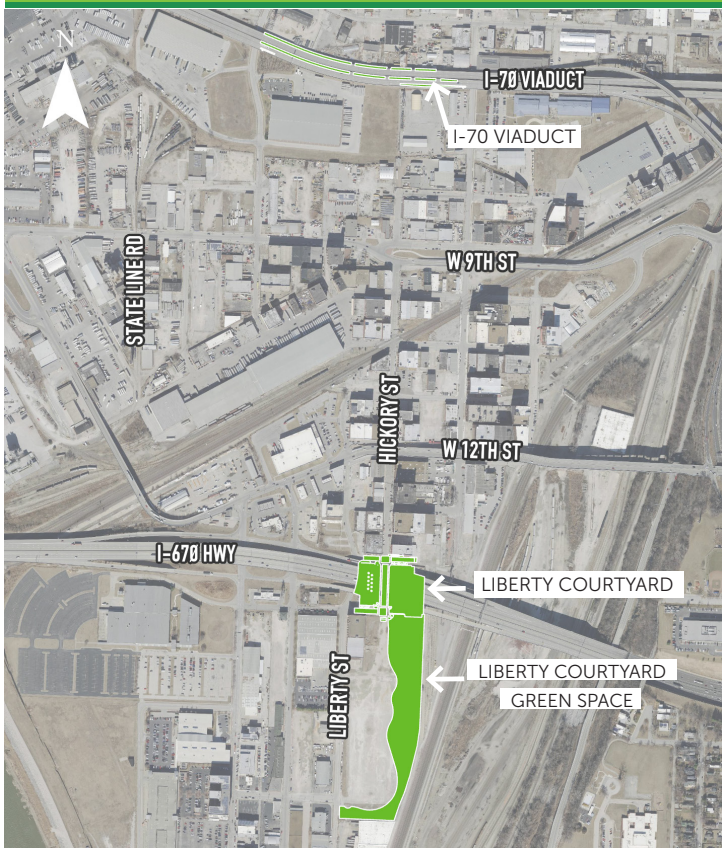
CENTRAL INDUSTRIAL DISTRICT / WEST BOTTOMS

Green infrastructure helps our community manage stormwater the way nature intended by capturing and utilizing rainwater where it falls. This project absorbs and filters stormw ter in the Turkey Creek watershed. It also replenishes groundwater and sustains plants, trees, and natural habitats while working with gray infrastructure to increase the capacity of our underground pipes.

Project Snapshot

- **Details:** This project features bioretention basins, stormwater tree planters, gravel infiltration, permeable pavers, rainwater harvesting cisterns, and a dry-well infiltration system to collect, filter,absorb, and reuse stormwater runoff.
- **Cost:** Construction was completed in 2020 for approximately $8,600,000.

Project Areas



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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 streams, rivers, and lakes. The CID/ West Bottoms Green Infrastructure Project includes:

- **Liberty Courtyard:** Permeable pavers on 13th Terrace capture stormwater runoff by collecting water through the joints between pavers. The water moves through layers of gravel below the pavers and then soaks into the ground. The permeable parking lot also serves as a semi-covered meeting place, flexible parking area, and event space—all while capturing and infiltrating stormwater. This site also features stormwater tree planters and infiltration wells.

- **Liberty Courtyard Green Space:** Stormwater runoff from nearby streets, parking lots, and roofs is collected and flows to this site or infiltr tion in a bioswale and bioretention cell. The bioretention cell is filled with plants that help absorb and store excess stormwater within layers of rock and soil. A buried underdrain pipe drains the excess water, controlling the slow release of water back to the sewer system.

- **I-70 Viaduct:** Gravel infiltration trenches collect and store stormwater runoff. The rock layer partly filters th stormwater and allows it to soak into the ground. Cisterns at this site are used as tanks to temporarily store stormwater.

Liberty Courtyard

Liberty Courtyard Green Space

I-70 Viaduct