

Westtown Tire Parking Lot Green Retrofit Project

Applicant: West Creek Conservancy and Fares Family Realty LLC

Project Location: 3620 Pearl Road, Cleveland, Ohio 44109 | Ward 14

Watershed: Cuyahoga River West | Subwatershed: Walworth Run



Summary

- The project will implement landscaped stormwater tree vaults around Westtown Tire Bros to capture and treat runoff before it reaches Big Creek. These vaults will use native trees to enhance infiltration, reduce overflow to NEORSD regulator WR-34, and support sustainable urban greenery.
- The project includes closing the north driveway along Pearl Road to allow for a continuous stormwater tree vault, reducing pedestrian and vehicle conflicts. Additionally, a second drive apron on Riverside Avenue will be removed, replacing 752 square feet of impervious surface with permeable green infrastructure.
- The project will remove poor soils, replace them with sandy-loam soil for optimal tree growth, and install 72 linear feet of roadside curbing with stormwater inlets. These improvements will enhance the visual appeal and ecological function of the Brooklyn Centre Historic District gateway.
- The project area spans 20,303 square feet, with 16,037 square feet of impervious surface being managed. Stormwater control measures covering 1,707 square feet will reduce annual runoff by 193,115 gallons per year, all of which will be offloaded from the combined sewer system.

Green Infrastructure (GI) Type: 2025 Design and Construction Project Award

GI Technology: Stormwater Tree Vaults and offloading

Drainage Area: 0.38 acres

GI Feature Area 0.04 acres

Stormwater Capture: 193,115 gal/yr.

Total Project Cost: \$236,732

Grant Awarded: \$235,232