The Worthington Avenue Stormwater Tree Trench will remove pollutants from stormwater that runs off of Worthington Avenue. Combined sewer overflows will also be reduced, since the tree trench will slow the flow of stormwater and infiltrate some of it into the soil.

What is the Worthington Avenue Stormwater Tree Trench?

A stormwater tree trench slows down stormwater runoff and filters out pollutants. Stormwater runoff will enter the tree trench from Worthington Avenue, where it will percolate down through amended soil, watering the street trees. After percolating through the soil, the water will be stored in a subsurface gravel trench, where it will be allowed to infiltrate into the soil below. Stormwater that does not infiltrate will drain through an underdrain system connected to a storm sewer. During major storm events, if the capacity of the system is exceeded, stormwater runoff can bypass the tree trench entirely and flow past it into existing storm drains on Worthington Avenue.
PROJECT GOALS

Improve water quality through natural filtration of stormwater

Reduce combined sewer overflows

Educate students and the community about stormwater management

Demonstrate and evaluate a stormwater best management practice for possible replication across the watershed

LOCATION

Project Partners

MILL CREEK WATERSHED COUNCIL OF COMMUNITIES

CDM Smith

ALLISON Landscaping & Water Solutions

Project Funder

Ohio Environmental Protection Agency

30 Worthington Ave, Cincinnati, Ohio 45215