STORMWATER ACTION CENTER FACT SHEET

Name of Project:
Renaissance Park

Location:
Chatanooga, Tennessee

County:
Hamilton County

Watershed:
Lower Tennessee River Watershed

Website:
www.landscapeperformance.org/case-study-briefs/renaissance-park

RENAISSANCE PARK – CHATANOOGA, TENNESSEE

OVERVIEW:
Completed in 2006, this riverfront project transformed a blighted post-industrial site known to be leaching contaminants into surface and groundwater resources into a celebrated public park that has been a catalyst for reinvestment in Chattanooga's growing Northshore neighborhood.

BENEFITS:
- **Removed 34,000 cu yd of contaminated soil from the 100-year floodplain and sealed it safely within the park's iconic landforms. This includes 12,000 cu yd of soil commingled with enamel frit, which was leaching contaminants into groundwater.**
- **Increased floodplain storage by 9.32 acre feet (15,047 cu yd) through excavation of contaminated soil and creation of a constructed wetland.**
- **Reduces irrigation water demand by 74% or 1.6 million gallons per year compared to a baseline case with 79% turf.**
- **Improved habitat value of the North Market Branch stream from "marginal" to "suboptimal". USEPA Rapid Bioassessment habitat scores rose from 60 in 2002 to 122 in 2014.**

FUNDING SOURCES:
- **The city has committed $2 million for six neighborhood greenways along local creeks, with matching funds from the Lyndhurst Foundation and federal TEA-21 funds.**

- Habitat Restoration
- Bio-Filtration/Green Infrastructure

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