



# Green Infrastructure & Stormwater Management CASE STUDY

---

## Tree House Books

**Location:** Philadelphia, PA

**Client:** Junior League of Philadelphia

**Design Firm(s):** Brenton Landscape Architecture

**Landscape architect/Project contact:** Charles Brenton, ASLA

**Email:** [charles@brentonla.com](mailto:charles@brentonla.com)

**ASLA Chapter:** Pennsylvania/Delaware



Photo: Brenton Landscape Architecture

## Project Specifications

**Project Description:** Installation of rain barrels to harvest rainwater for irrigation purposes.

**Project Type:**

Institutional/education

A retrofit of an existing property

**Design features:** Rain barrels.

**This project was designed to meet the following specific requirements or mandates:**

Developer/client preference

**Impervious area managed:** less than 5,000 sq/ft

**Amount of existing green space/open space conserved or preserved for managing stormwater on site:** less than 5,000 sq/ft

**The regulatory environment and regulator was** supportive of the project.

**Did the client request that other factors be considered, such as energy savings, usable green space, or property value enhancements?** Fun and educational opportunity for school children to paint the rain barrels and use them to water their garden.

## Cost & Jobs Analysis

**Estimated Cost of Stormwater Project:** <\$10,000 (Public funding: None)

**Was a green vs. grey cost analysis performed?** No

**Number of jobs created:** None

**Job hours devoted to project:**

Planning and Design: 8

Construction: 8

Annual Maintenance: 0

## Performance Measures

**Stormwater reduction performance analysis:**

Diversion of 300 sq/ft of roof runoff from a combined sewer system

**Community & economic benefits that have resulted from the project:** Fun and education for school children

### **Additional Information**

Links to images: <http://www.brentonla.com/Current.html>