



# Green Infrastructure & Stormwater Management CASE STUDY

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## Artist Studio & Residence

**Location:** Syracuse, NY

**Client:** Near Westside Initiative

**Design Firm(s):** Natural Systems Engineering, PLLC

**Landscape architect/Project contact:** Kyle E. Thomas

**Email:** [kthomas@naturalsystemsengineering.com](mailto:kthomas@naturalsystemsengineering.com)

## Project Specifications

**Project Description:** As part of a rehabilitation project, a pervious (porous) concrete driveway and a rain garden were incorporated to manage runoff from the driveway and building, respectively.

### Project Type:

Mixed use

A retrofit of an existing property

**Design features:** rain garden and pervious (porous) concrete.

**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.

## Cost & Jobs Analysis

**Estimated Cost of Stormwater Project:** \$10,000-\$50,000 (Public funding: Federal, local)

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

**Cost impact of conserving green/open space for stormwater management over traditional site design/site development approaches (grey infrastructure)?** Did not influence costs.

**Number of jobs created:** 2

**Job hours devoted to project:**

Planning and Design: 20

Construction: 10

Annual Maintenance: 4

**Performance Measures**

**Stormwater reduction performance analysis:**

Designed to manage events up to the 1-year recurrence, 24-hour storm.

**Additional Information**

**Links to images:** [www.NaturalSystemsEngineering.com](http://www.NaturalSystemsEngineering.com) or look up "Natural Systems Engineering" on Facebook.

