



Green Infrastructure & Stormwater Management CASE STUDY

West Peterborough TIF District Improvements

Location: Peterborough, NH

Client: Town of Peterborough

Design Firm(s): Louis Berger Group (engineers), Ironwood design group (landscape architects)

Landscape architect/Project contact: Jeffrey R. Hyland, ASLA

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ASLA Chapter: Boston

Project Specifications

Project Description: The primary goal of the project was to support the communities desire to restore West Peterborough's historic village character. Project components: traffic calming measures (including several tabled crosswalks), sidewalk and roadway rehabilitation, utility improvements, LED lighting, bioretention stormwater treatment, recycled materials.

Project Type:

Transportation corridor/streetscape

Part of a redevelopment project

Design features: Rain garden, bioswale, porous pavers, and curb cuts.

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

State statute, Federal

Impervious area managed: 5,000 sq/ft to 1 acre

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? Yes, energy saving, carbon footprint, maintenance, spur private investment

Cost & Jobs Analysis

Estimated Cost of Stormwater Project: \$100,000-\$500,000 (Public funding: 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)? Slightly increased.

Number of jobs created: Not available

Job hours devoted to project:

Planning and Design: 500

Construction: Not available

Annual Maintenance: Not available

Performance Measures

Stormwater reduction performance analysis:

20% of stormwater diverted to alternative treatment apurtenances