



Green Innovation Grant Program (GIGP) No. 276

CWSRF Project No. C9-6638-05-70

Town of Amherst

Project Name: Engineering Department Water Garden and Pavement Reduction

DEC Region: 9 County: Erie

Type of Financing: American Recovery and Reinvestment Act (ARRA) Green Innovation Grant Program

Estimated Total Project Cost: \$143,698.00

Recommended GIGP Award Amount: \$129,328.00

Local Share: \$14,370.00

Other Funding Sources: \$0.00

Project Category: Clean Water SRF. Green Wet Weather Infrastructure.

Project Description:

This project involves reduction of 20% of the impervious surface on-site and construction of rain gardens to manage existing parking lot facilities.

Project Summary:

Located near an impaired stream segment of Ellicott Creek in the Niagara River and Great Lakes Watersheds, the project will treat approximately 4,800 cubic feet of stormwater runoff from the 2.4 acre site per storm. Drainage studies of the Ellicott Creek Basin with the Army Corps of Engineers are ongoing. This project will be a demonstration of the effectiveness of green infrastructure as an appropriate stormwater management technique. The project is located within a Municipal Separate Storm Sewer System (MS4) community covered by an MS4 State Pollution Discharge Elimination System (SPDES) permit in the sewershed of a wastewater treatment plant impacted by Combined Sewer Overflows (CSOs).

This project is categorically eligible for GIGP financing per the United States Environmental Protection Agency's (EPA's) "Guidance for Award of Recovery Act Funding to State Revolving Funds " dated March 2, 2009:

1. Green Wet Weather Infrastructure. Categorically eligible projects "manage and treat stormwater and [...] maintain and restore natural hydrology by infiltrating, evapotranspiring, and capturing and using stormwater' and include "the preservation and restoration of natural landscape features, such as forests, floodplains and wetlands, coupled with policies such as infill and redevelopment that reduce overall imperviousness in a watershed. On the local scale green infrastructure consists of site and neighborhood specific practices such as bioretention, trees, green roofs, porous pavements, and cisterns." Examples in the guidance (pp. 44-45) include

2. Green Wet Weather Infrastructure. This project decrease in pervious surface area and construction of rain gardens in accordance with the following examples:

V.b. "Implementation of water harvesting and reuse programs or projects, where consistent with state and local laws and policies."

V.c. "Implementation of wet weather management systems for parking areas which include: the incremental cost of porous pavement, bioretention, trees, green roofs, and other practices that mimic natural hydrology and reduce effective imperviousness..."

V.f. "Comprehensive retrofit systems designed to keep wet weather out of all types of sewer systems using green infrastructure technologies and approaches."

Funding Summary:

The Town of Amherst will supply the 10% local match.

SEQR Findings:

The Corporation has determined that the proposed action will finance a project which constitutes the "...replacement, rehabilitation, or reconstruction of a structure or facility, in kind" which is a "Type II" action under SEQR, pursuant to 6 NYCRR 617.5(c)(2).

Construction Schedule:

<u>Description</u>	<u>Construction Start</u>	<u>Construction Completion</u>
Town of Amherst Engineering Department Water Garden and Pavement Reduction	March 15, 2010	July 1, 2010