



Green Innovation Grant Program (GIGP) No. 165
CWSRF Project No. C3-5354-03-70
Greenwood Lake, Village of
Project Name: Village Hall Complex Stormwater Management Plan

DEC Region: 3 County: Orange

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

Estimated Total Project Cost: \$464,405.00

Recommended GIGP Award Amount: \$417,965.00

Local Share: \$46,440.00

Other Funding Sources: \$0.00

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

Project Description:

Located at the Village Hall Complex, this project involves reducing the impervious surfaces and replacing portions of the main parking lot pavement with stormwater planters and biofilters, pervious pavement, and adding rain gardens and bioswales. The Village is also undertaking septic system repair and installation of solar powered outdoor lighting at this site, which is not eligible for GIGP funding.

The scope of the project is defined by plans titled "Proposed Parking and Stormwater Improvements for Village Hall Complex" dated October 15, 2009, approved by the NYSDEC on October 21, 2009 and made eligible by NYSEFC on December 4, 2009. The NYSDEC determined that SWPP (accepted for the engineering report) was not required for this project.

Project Summary:

This project incorporates the following green infrastructure methods: pervious pavement, rain gardens, biofilters, and bioswales. The integration of multiple green infrastructure methods for stormwater will reduce pervious surfaces, increase infiltration of stormwater, reduce localized flooding and reduce pollutant loading to Greenwood Lake. The overall impervious surface will be reduced by 30%, increasing stormwater infiltration prior to discharge into the lake. The project is located within a Municipal Separate Storm Sewer System (MS4) community covered by an MS4 State Pollution Discharge Elimination System (SPDES) permit. Greenwood Lake is located within a Watershed Improvement Strategy Area, designated by the New York State Department of Environmental Conservation (DEC) due to water quality impacts in this waterbody.

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:

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."

a. Example V.c. of the EPA guidance (pages 44-45) states "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..."

b. In addition to the bioretention features of the project, the entire cost of pervious pavement is eligible per correspondence with EPA that confirms that the entire, rather than incremental, cost of pervious pavement including parking areas is eligible for funding.

Funding Summary:

The applicant will supply the 10% local match for the eligible project costs.

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 Section 617.5(c)(2).

Construction Schedule:

<u>Description</u>	<u>Construction Start</u>	<u>Construction Completion</u>
Greenwood Lake, Village of Village Hall Complex Stormwater Management Plan	March 1, 2010	September 1, 2010