

Green Innovation Grant Program

Project Title: Village of Greenport Water Quality Improvements

Grant Recipient: Village of Greenport

Location: Suffolk County, NY

Green Infrastructure Practice: Bioretention, Porous Pavement

EFC Grant Amount: \$287,801

Total Project Amount: \$319,778

GIGP ROUND 4



CONSTRUCTION COMPLETION 04/2016

Project Description:

Two waterfront parks on the eastern end of Long Island will be retrofit with bioretention systems and porous pavement to capture roadway runoff that currently flows untreated into Greenport Harbor, an inlet on the Peconic River. Greenport is a coastal village located on Long Island's North Shore and is economically dependent on water-based recreation and tourism. Projects that help reduce the pollution loads entering the water system are a priority for the region.

Strategically placed small-scale projects such as these help set a precedent for the use of

green practices in a region with few examples of green stormwater infrastructure. The project also provided some valuable lessons for future green infrastructure projects in similar coastal settings. Bioretention systems require a minimum three-foot separation from groundwater, and these waterfront parks were found to have a high seasonal water table. Additional site investigation was required to identify specific areas within the site with conditions conducive to these infiltrating practices.



Green infrastructure will capture roadway runoff at two waterfront parks in the Village of Greenport, NY, helping to keep pollutants out of area waterbodies. Pre-construction conditions are shown for Fifth Street Park (aerial view, right) and Manor Place Park (street view, top right). Map shows the Village of Greenport in its context on Long Island's North Fork.

