

Fact Sheet

Stormwater Remediation Project

Quick Facts

Project Owner:

Village of Cazenovia

Location:

Buildings along the north side of Albany Street, on either side of the intersection with Lincklaen Street.

Capture Area:

17,800 square feet

Runoff Reduction:

44,000 gallons per large rain storm

Construction Cost:

\$380,000

Design Engineer:

GHD, Cazenovia NY

Funding Source:

New York State

Construction Time Frame:

June to Fall 2013

When stormwater runoff combines with the wastewater flow in the sanitary sewer system, it increases the volume of water that the wastewater treatment plant must manage. This is particularly challenging when rainfall is heavy and frequent, and flows can exceed the capacity of the plant. To reduce the volume of flow at the wastewater treatment plant, stormwater runoff should be prevented from entering the sanitary sewer system.

Problem Identified:

Stormwater runoff from the roofs of several buildings in the Village is entering the sanitary sewer system through a combined rooftop drain/sewer vent system.

Solution:

Separate the roof drains from the sewer vent system, and re-direct the runoff to underground cisterns. These cisterns are designed to allow the stored runoff to gradually infiltrate back into the ground. Dry hydrants are connected to the cisterns to allow fire department access.

Implementation:

The Village, in part through the efforts of Trustee Peggy Van Arnam, acquired a grant from the State of New York. The Village contracted with GHD to design the project. Village staff from the Public Works Department are assisting with the construction. Plumbing contractors will assist with the rooftop separation of the drains from the vents. Construction began in late June and will be completed by fall.

Benefits:

- ◆ Stormwater runoff from several rooftops in the Village is removed from the sanitary sewer system, reducing the storm runoff volume that the wastewater treatment plant needs to manage.
- ◆ Using the dry hydrants, the fire department can use the stored rainwater to test and maintain their pumps, which will save on water from the Village drinking water supplies.
- ◆ The stored rainwater that is not used by the fire department will gradually seep into the ground and naturally replenish the groundwater.



The Village installs one of the stormwater cisterns underground adjacent to the parking lot in front of Dave's Diner on Albany Street.

For more information:

Village of Cazenovia (315) 655-3041:

-Mayor Kurt Wheeler

-Public Works Administrator Bill Carr

GHD (315) 679-5833

-Project Engineer Tim Carpenter