

Focus of This Issue: Storm, Wastewater & Septic Systems

Hamden Community Wastewater Management Program and Stormwater System Improvements Project

The Town of Hamden is constructing the Hamlet of Hamden Community Wastewater Management Program (CWMP) to eliminate inadequate individual on-site septic systems that are currently failing or may fail in the future and the Stormwater Retrofit Program to address water quality issues in the New York City Watershed. The Hamlet is identified as #10 among 22 ranked in the priority list of communities lacking adequate wastewater treatment, which was included in the 1997 NYC Watershed MOA. The purpose of the project is to improve and protect the water quality of the West Branch of the Delaware River and the New York City Water Supply. The CWMP consists of a collection system with a combination of gravity sewers, grinder

pumps, and a community septic system with open sand filters that discharge to shallow cut-and-fill absorption beds (subsurface discharge).



Flow splitter



Metering manhole and pump station

The community septic system will consist of a metering manhole, a flow splitter, two 26,000 gallon septic tanks in parallel (each 15 wide by 54' long), a 26,000 gallon sand filter, dosing pump station and valve vault, three 52' x 50' sand filters, housed in a 9,400 s.f. building, a recirculation flow splitter, and 15 constructed ab-

sorption beds each 155' x 20', accounting for 150% of the required area to treat the design flow, plus a reserve area for five additional absorption beds set aside should an absorption bed in service need to be replaced in the future.

(continued on page 2)

Hamden Community Wastewater Management Program and Stormwater System Improvements Project *(continued from page 1)*



Absorption bed, valve vaults, and pump station



Septic tank & sand filter dosing valve vault, before covers placed

Tom Soule, of contractor T C Briggs Contracting & Supply, Prattsville, NY, said that they use precast whenever possible in their work, as it is faster, easier, less complicated, and more economical. However, for the two large septic tanks, they were faced with some severe site water problems, and thus decided it was necessary to dewater and contain the work in smaller segments, hence the c.i.p. According to Kevin Balachick, Binghamton Precast & Supply, Binghamton, NY, they precast 16 slabs, 11' x 14' x 1', to cover the septic tanks and sand filter dosing vaults. They also supplied a 72" dia. grinder pump manhole and another for the pump station, 48" dia. manholes, a 6' x 8' valve vault, and sand filters and flow splitters up to 6' x 12'.

In conjunction with the Hamlet of Hamden CWMP, the Town of Hamden is constructing the Stormwater Retrofit Program to collect and treat stormwater from an impervious road surface (NYS Route 10) with the goal of removing 50% of Total Suspended Solids and

20% Total Phosphorus. The stormwater project consists of infrastructure to collect drainage and connect the header pipe to the existing NYSDOT system, yard drains and catch basins to collect adjoining runoff; it also includes a Vortech Model 11000 Modified system to treat runoff from NYS Route 10 before it reaches the West Branch of the Delaware River. The new stormwater system was designed to capture and treat a drainage area of 39 acres. Along with the goal of water quality, this project will help in reducing the flooding issues along NYSR 10.

The project is sponsored by the Town of Hamden (Wayne Marshfield, Supervisor) and funded by the Catskill Watershed Corporation, Alan Rosa, Executive Director. This article and photos were contributed by Doug VanDeusen, Frank Novak, and Judy Pangman of Lamont Engineers, P.C., Cobleskill, NY, who was the project's designer. The Vortech unit was supplied by Hanson Pipe and Products, Pottstown, PA.



Checking for level the hard way



Bypass manholes being connected to the Vortech unit

New CWC Rules for Business Septic Repair Program

MARGARETVILLE, NY, Dec. 2, 2008 - The Catskill Watershed Corporation (CWC) Board of Directors on December 2 approved rules for a new program that will repair or replace failed septic systems for small businesses in the Catskill-Delaware Watershed. The CWC will reimburse eligible small business owners 75% of the cost of septic repairs up to a maximum of \$40,000. To be eligible, failing commercial septsics must be 100 feet from a watercourse, 500 feet from a reservoir of the New York City Water System, or within a specified priority zone (the so-called "60-day travel time" area).

The new Small Business Septic Repair Program is expected to be operational in the spring of 2009. It was outlined in the 2007 Filtration Avoidance Determination issued

by the US Environmental Protection Agency to New York City to allow it to continue to avoid filtering its vast Catskill-Delaware water supply. Four-million dollars has been committed to the Small Business Septic Program. The program will add a new dimension to the existing CWC Septic Replacement and Rehabilitation Program, which over the past 11 years has paid for repairs to more than 2,800 systems for one- and two-family homes and home-based businesses.

For more information, contact Leo LaBuda at the CWC, 845-586-1400. For more information on CWC programs to assist residents and businesses in the New York City Watershed, call 845-586-1400, or go to www.cwconline.org. (Photos and article from CWC website)



CWC Septic Program Eligibility Extended for Homeowners

MARGARETVILLE, NY, Sept. 18, 2008 - A change in eligibility requirements for the Catskill Watershed Corporation's Septic Rehabilitation and Replacement Program means that nearly 900 additional homeowners may be eligible to participate. Letters have been mailed to people whose properties are within 200 feet of a watercourse in the latest extension of the program eligibility distance. The voluntary program has widened progressively, from 50 to 100 to 150 feet, and now to 200 feet from a watercourse. Properties within 500 feet of a reservoir stem are also targeted.

Homeowners in the New York City Watershed in Delaware, Greene, Schoharie, Sullivan or Ulster Counties whose properties fall within the eligibility distance may sign up to have their system pumped out and inspected. A call to the CWC to arrange an initial visit with technical staffers is the first step.

Participation is entirely voluntary. Those who sign up agree to have their system examined. If the system appears to have failed, or is likely to fail, the CWC will reimburse full-time residents 100 percent of the cost of replacement. Part-time or non-resident property owners will be reimbursed 60 percent of eligible repair or replacement costs.

In addition, homeowners who can prove their septic systems were repaired or replaced between July 2, 1999 and December 31, 2007, regardless of whether those sys-

tems are located in the current priority area, may be eligible for reimbursement for those repairs. Homeowners who meet income requirements may qualify for hardship assistance from the CWC, whether or not their property lies within an eligible area.

The CWC's Septic Maintenance Program also provides assistance to Watershed homeowners who received construction approval from the NYC DEP since November 1, 1995. If those systems are at least three years old, they may arrange for a pump-out and inspection of the system and apply for 50% reimbursement from the CWC. The existing septic remediation program for single-family residences or home/business combinations has addressed 2,693 systems since 1997.

For more information on these and other programs designed to assist homeowners and businesses in the New York City Watershed, please call the CWC, or go to www.cwconline.org

WELCOME to **Louis Mangia**, President of Iron Horse Transport Inc., Smittstown, NY, a new PCANY Associate Member. Iron Horse Transport is a Local 282 Teamsters affiliate, serving the New York Metropolitan area with a full compliment of tractors and flatbed trailers, step deck trailers, stretch trailers and double drops.

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PCANY ANNUAL MEETING

... will be held January 28, 2009 at the AGC Conference Room, 10 Airline Drive, 2nd fl, Albany 12205, at 1:00 p.m. All members are welcome to attend. (PCANY Board of Directors will also meet at 10:00 a.m.)

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