

**New York City Department of Environmental Protection
Bureau of Water Supply**

**Report on Stormwater Remediation Projects for
East of Hudson NPS Program**

June 2017

*Prepared in accordance with Section 4.9 of the NYSDOH
Revised 2007 Filtration Avoidance Determination*



Prepared by: DEP, Bureau of Water Supply

Report on Stormwater Remediation Projects for East of Hudson NPS Program.

The following provides a summary and status update of the two Stormwater Remediation Projects for March 31, 2017 – June 30, 2017. Both projects are in the design phase.

Maple Avenue, Town of Bedford, Westchester County

The Maple Avenue site consists of two roadside ditches located in the Cross River Reservoir watershed. To prevent the buildup of sediment along the hillside and water's edge, a sediment and gravel collection system was designed to concentrate deposition at a location where it can be easily accessed and periodically cleaned. The deposition control system includes a hydrodynamic device and filter practice. The system is designed to handle the combined flow, with an engineered overflow controlling the flow of clean water over a weir and to the reservoir. DEP completed design and secured the necessary permits from the Town of Bedford. During the reporting period, the Town of Bedford Wetlands, NYSDEC Protection of waters and NYSDEC Stream Disturbance permits were renewed. The project will be bid with the Drewville Road project.

Drewville Road, Town of Carmel, Putnam County

The drainage area for the project includes asphalt paving on Drewville Road and Drew Lane, impervious roof tops, asphalt paved parking lots, and wooded and grassy areas. Runoff from the drainage area is collected in a roadside drainage ditch on Drewville Road and drains to Croton Falls Reservoir. The primary objectives of the project are to repair the drainage ditch to prevent erosion within the ditch, prevent undermining of the rock wall adjacent to the ditch, and reduce the amount of sediment deposition in the woods and along the shoreline of the Croton Falls Reservoir. The stormwater measures consist of a forebay and a micropool which will extend the detention time of the stormwater, allowing solid material to drop out.

An initial tree cutting was completed in March 2017. Although not all tree removal is complete, commencement of work satisfied the Town's requirement that the work commence before the permit was due to expire in August 2017. During the reporting period, the Town of Carmel signed off on the submitted drawings. Additionally, the DEP Tree Task Force is set to remove downed trees and install erosion control measures before June 30, 2017. As such, the Town permit will remain open and therefore, this permit issue will not impact the anticipated timeline. The remaining construction work will be completed by a Contractor once the Drewville Road Project contract is awarded. The project will be bid with the Maple Avenue project.