

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

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

September 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 June 30, 2017 – September 30, 2017. Both projects have completed the design phase and will be bid together during the contracting phase.

The final design specification package for the two projects was submitted for Agency and Law approval on August 18, 2017. The project team held a permit audit for the projects on September 20, 2017. Therefore, once the final design specification package is approved, DEP will prepare and send the project to bid. The bid is expected to be offered in the first half of 2018.

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.

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. The project is under the same contract as the Maple Ave project, therefore it will be bid with the Maple Avenue project.