

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

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

**March 2017**

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



Prepared by: DEP, Bureau of Water Supply



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The following provides a summary and status update of the two Stormwater Remediation Projects for January 1, 2017 – March 31, 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. DEP will install improvements to the swales consisting of installation of new catch basins with concrete headwalls, and widen and line a portion of the swales with rip-rap. 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. 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.

DEP has been working to satisfy the requirements of the Town of Carmel in their review of the project. The Town engineering inspection fee of \$47,150 was delivered to the Town in March 2017. The Town Tree Cutting Permit was obtained and extended by the Town Environmental Conservation Board until August 20, 2017. Due to restrictions from State Permits, tree cutting activities are to be completed between November 1<sup>st</sup> and March 31<sup>st</sup>. Therefore, an initial tree cutting phase was completed in March 2017 within the State restrictions. The initial tree cutting activities consisted of the cutting of trees located in the proposed staging area and maintenance road without the use heavy machinery. The scope of work will be completed by a selected Contractor once the Drewville Road Project Contract is awarded. The project will be bid with the Maple Avenue project.