

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

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

**September 2016**

*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 July 1, 2016 – September 30, 2016. Both projects are in the design phase.

Maple Avenue, Town of Bedford, Westchester County

The Maple Avenue site consists of two roadside ditches carrying suspended solids into Cross River Reservoir. In order to prevent the continued 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 also 1) install improvements to the swales consisting of installation of new catch basins with concrete headwalls and 2) 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. From 2011 to 2015, DEP worked to complete design and secure the necessary permits from the Town of Bedford. DEP anticipates that the project will be bid with the Drewville Road project in 2017.

Drewville Road, Town of Carmel, Putnam County

The drainage area of the project site 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.

From 2011 to 2015, DEP worked to satisfy the requirements of the Town of Carmel in their review of the project. The project has now received approval from the Town of Carmel. In October 2015, DEP submitted the Joint Permit Application and the application for stormwater discharges from construction activities under the SPDES General Permit. On July 21, 2016 the Town of Carmel tree cutting permit was renewed for 1 year and the wetland permit was renewed for 2 years. On September 14, 2016 the Town of Carmel Planning Board granted final site plan approval. DEP anticipates that the project will be bid with the Maple Avenue project in 2017.