

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

**Report on Stormwater Remediation Projects for the
East of Hudson (EOH) Nonpoint Source Pollution Control Program**

March 2020

*Prepared in accordance with Section 4.9 of the NYSDOH
2017 Filtration Avoidance Determination*



Prepared by: DEP, Bureau of Water Supply

Report on Stormwater Remediation Projects for the East of Hudson Nonpoint Source Pollution Control Program

The following provides a summary and status update for two Stormwater Remediation Projects for January 1, 2020 to March 31, 2020. The New York City Department of Environmental Protection (DEP) commenced the construction phase at both sites in early 2019.

Construction work at both sites was set to resume in the second quarter 2020. On March 20, 2020 New York Governor Cuomo issued a 100% workforce reduction order in response to the COVID-19 pandemic. The order mandates that all non-essential employees stay home. As a result, work on this project is halted until further notice.

Currently work at the Drewville Road site is functionally complete. A small number of punch list items remain related to guide rails, fencing, leak testing, and some additional plantings. At Maple Avenue, shop drawings for piping have been approved. The shop drawings for the hydrodynamic separator and stormwater filter area still under review by the design engineer. It is anticipated that review of shop drawings would continue despite the workforce reduction order.

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 rooftops, 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 settle.