

**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**

**September 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**

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The following provides a summary and status update for two Stormwater Remediation Projects for July 1, 2020 to September 30, 2020. The New York City Department of Environmental Protection (DEP) commenced the construction phase at both sites in early 2019.

Work at the Drewville Road site is complete; this project has met the September 30, 2020 construction deadline as required by the 2017 Filtration Avoidance Determination (FAD).

During the reporting period, the contractor worked at the Maple Avenue site to install site swales, headwalls, discharge head, the diversion portion of the project, and the hydrodynamic separator. The detention piping is on-site and the contractor is preparing for installation. The contractor will install the filters and complete backfilling, grading, and planting following pipe installation. The current contractor schedule shows project completion in October 2020, one month after the September 30, 2020 FAD construction deadline, in part due to COVID-19 related delays. Figures 1 and 2 show portions of the Maple Avenue site in September 2020.

### 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.



Figure 1: Partial view of inlet swale along Maple Avenue  
Showing headwall and diversion manhole



Figure 2: View of the site looking from Maple Avenue toward  
the Cross River Reservoir showing precast structures  
and detention piping.