



TOWN OF MEDWAY
COMMONWEALTH OF MASSACHUSETTS
DEPARTMENT OF PUBLIC WORKS

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September 10, 2026

To: Planning and Economic Development Board

RE: Application for Site Plan Review for Exempt Uses

Dear Planning and Economic Development Board,

Please find the following documents for Exempt Use Site Plan Application for the Medway Middle School Green Stormwater Infrastructure Project.

- Application for Exempt Use Site Plan
- Two full size copies of the Site Plan
- One ledger size copy of the Site Plan
- Certified Abutters List
- Project Narrative
- Stormwater Report including Drainage Calculations, and Long-Term O&M Plan
- Relevant Applications and Permits
 - MS4 Connection and Discharge Permit
 - Groundwater Protection Permit Application
 - Stormwater Management and Land Disturbance Permit Application
- Proof of Ownership

Thank you for your consideration of this application and for your continued support of environmental initiatives in the Town of Medway.

Sincerely,

Stephanie Carlisle

Stephanie Carlisle
Sustainability Coordinator

Medway Middle School Green Stormwater Infrastructure

PROJECT NARRATIVE

Current and Proposed Uses

Currently, the Medway Middle School's stormwater infrastructure consists of roof drains, perimeter drains, catch basins, and piping, which provide minimal treatment and storage capacity. Stormwater drains toward the edge of the property and into the Town's Municipal Separate Storm Sewer System (MS4).

The proposed project incorporates low-impact, nature-based stormwater control structures, which will provide stormwater treatment where none currently exists. These measures will capture and treat stormwater from both the school site and a portion of Holliston Street. The improvements will enhance water quality through sediment and nutrient removal, particularly phosphorus, and are anticipated to reduce the Town's phosphorus load by approximately 17.7 pounds per year.

Site Improvements

The project scope includes the construction of three rain gardens and two subsurface infiltration systems. Together, these features will reduce Medway's phosphorus load and enhance water quality, promote groundwater recharge, and improve drainage patterns onsite and downstream.

One rain garden will capture and treat runoff from the parking lot adjacent to Kelley Street, while the other two will treat runoff from the paved and gravel parking areas on the southeast side of the property. Roof and perimeter drain runoff will be treated by the subsurface infiltration system located in the grass area in front of the school. Notably, stormwater from a portion of Holliston Street will be diverted to the subsurface infiltrator for treatment as well.

The project includes paving the existing gravel parking lot and formalizing approximately 57 parking spaces. Paving the existing lot will improve stormwater flow patterns and reduce sedimentation associated with the current gravel surface. The project will also improve the transition at the exit gate on the northeast side of the parking lot. All work will occur within the existing Middle School property. No changes to existing traffic patterns are proposed as part of the project. The project does not increase impervious area. The existing compacted gravel area functions as an impervious surface; therefore, paving this surface does not change the overall impervious cover at the site.

In addition to improving stormwater management, the proposed rain gardens offer a valuable educational opportunity for students and the public to observe and learn about nature-based stormwater management practices.

Tree Removal and Mitigation

The scope of the project includes the removal of five trees. Four trees are under the 15" diameter requirement for replacement, however, one tree, a 30" diameter pine tree in the front bus loop area needs to be removed in order to maximize the stormwater infiltration and avoid underground utilities. The project proposes to replace the tree with a minimum of six 2.5" caliper trees.

Construction Schedule

Construction is planned for school summer vacation to minimize disruptions to academics and operations. Work will begin after school closes (June 2027) and conclude before the start of the next academic year (August/September 2027).

Local/ Federal Permits

Local – Groundwater Protection Permit (status: pending)

Local – Land Disturbance Permit (status: pending)

Local – MS4 Connection and Discharge Permit (status: complete)

Federal – Environmental Impact Document (status: completed and approved by the U.S. Environmental Protection Agency)

The proposed project will be funded through a Congressional Earmark Grant administered by the US Environmental Protection Agency (EPA) and a contribution from the Town which was approved during the Fall 2024 Town Meeting.