

Operations & Maintenance Plan: 186 Echo Cove Road, Hamilton, MA

System Owner:

Daniel Kowalski
186 Echo Cove Road
Hamilton, MA 01810

Stone Infiltration Trench

This Operations & Maintenance Plan has been prepared to comply with the provisions set forth in the Massachusetts Department of Environmental Protection (DEP) Stormwater Management Standards.

Structural Best Management Practices (BMPs) require periodic maintenance to ensure proper function and efficiency in pollutant removal from stormwater discharges that would otherwise reach wetland resource areas untreated. Maintenance schedules found below are recommended in Department of Environmental Protection's Massachusetts Stormwater Handbook and as recommended in the manufacturer's specifications.

The stormwater management system owner and the party responsible for maintenance of the stormwater management system shall be the property owner and their designated employees.

- Inspect and clean every six months and after every major storm event of 0.5 inches in a 24-hour period.
- Remove accumulated sediment, trash, debris, leaves and grass clippings.
- Remove tree seedlings before they become firmly established.
- Inspect the trench 24 hours or several days after a rain event to look for ponded water. If there is ponded water at the surface of the trench, it is likely that the trench surface is clogged.
- To address surface clogging, remove and replace the first layer of stone aggregate and filter fabric. If the water is ponded inside the trench, it may indicate that the bottom of the trench has failed.
- To rehabilitate a failed trench, all accumulated sediment must be stripped from the bottom, the bottom of the trench must be scarified and tilled to induce infiltration, and all of the stone aggregate and filter fabric or media must be removed and replaced.

