Operation & Maintenance Plan
127 Bedford Street
Burlington, MA

Infiltration Trenches

Description:

Infiltration Trenches are shallow excavations filled with stone. They can be designed to capture sheet flow or piped inflow. The stone provides underground storage for stormwater runoff. The stored runoff gradually exfiltrates through the bottom and/or sides of the trench into the subsoil and eventually into the water table.

Inspection:

Inspect the infiltration trench after the first several rainfall events, after major storms and on regularly scheduled dates every 6 months. Do NOT apply herbicides to the lawn or throw grass clippings or yard debris into the infiltration trenches. Remove sediment, trash, debris, leaves and tree seedlings from the trench.

Maintenance:

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 its likely the trench is clogged. To address surface clogging remove and replace the first layer of stone aggregate and filter fabric. If 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.