
**OPERATION AND MAINTENANCE MANUAL FOR
THE STORMWATER MANAGEMENT SYSTEM**

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OPERATION AND MAINTENANCE MANUAL

Documenting Procedures for the Proper Maintenance of the Stormwater Management System

1. Description of System

As part of a five lot subdivision, the stormwater management system requires regular maintenance for the proper functionality of the stormwater devices. Components of the system work independently, but in series, so that the overall management of stormwater runoff is properly collected, conveyed and controlled.

Stormwater improvements for this development include a paved roadway with curbing, catch basins sump structures and infiltration chambers.

2. Maintenance and Inspection Procedures

Deep Sump Catch Basins

Catch basins should be inspected and cleaned at least four times each year or when the depth of sediment is two feet or more. The sump manholes should be cleaned at least twice annually or when excessive sediment has accumulated. Additionally these structures should be inspected and cleaned, if necessary, immediately after any chemical or Hydrocarbon release of five (5) gallons or more and following a major storm event.

Additional inspections and cleanings should be scheduled based on weather and site conditions. For example, during particularly icy winter conditions that requires sanding of the road or immediately after a windstorm that creates wind-blown debris. Catch basin grates should also be cleared of snow during the winter to reduce the potential of ice on the pavement. The catch basin hoods should be lubricated during each cleaning. More frequent inspection is recommended during severe weather conditions.

Drywells

Drywells are precast concrete structures embedded in stone. Through access covers, the structures should be inspected on an annual basis. Sediment should be cleaned out when chamber is filled 50%.

Upon inspection, look for inhibition of water infiltration. If collected stormwater does not pass, the leaching capability of the device may need to be rehabilitated. Contact a professional engineer or a storm drain professional for an assessment.



Infiltration Chambers

The chambers are manufactured by StormTech, LLC. The manufacturer recommends the system be inspected through the inspection port without the need for a confined space entry. The StormTech® Isolator™ Rows are the rows that are to be inspected. This row is unique in that it initially receives the inflow from the upstream stormwater collection system.

The infiltration/detention system should be initially inspected immediately after the site's construction for excessive soil/sediment collection. After the site construction has been completed and all lawn areas have established a mature grass root system, the system can then be inspected bi-annually, once in the spring and once in the fall. The entire infiltration system should be inspected immediately after a chemical or hydrocarbon spill of (5) gallons or more has occurred. Accumulated sediment shall be removed when an average depth of 3-inches or more is detected in the chamber. The system should be inspected immediately after a major storm event.

Pavement Sweeping

The pavement should be swept by means of a motorized sweeper at least two times annually and at other times during the year when sand, silt or eroded material has collected in the pavement areas. Sweepings must not be dumped on-site or in any wetland or other protected area and deposited at an approved hazardous landfill.

3. Maintenance Responsibilities

All maintenance records on O&M activities shall be kept, and made available to the Burlington Conservation Commission and the Board of Health for a period of 3 years.

