



Stormwater Operation & Site Maintenance Plan
for
Thayer Nursery
270 Hillside Street
Milton, Massachusetts

Prepared by:

DeCelle-Burke & Associates, Inc.
1266 Furnace Brook Parkway
Suite 401
Quincy, MA 02169

Prepared for:

Thayer Nursery
270 Hillside Street
Milton, MA 02186

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Introduction

This Stormwater Operation & Maintenance Plan (OMP) for Thayer Nursery located at 270 Hillside Street in Milton, Massachusetts is outlined below to provide long term operation and maintenance procedures of the stormwater controls installed to manage the stormwater flow generated on the site and improve runoff quality. The landowners are required to implement the procedures and ensure the long term benefits of the stormwater controls approved and installed for this project. The OMP provides simple operational and maintenance procedures for the stormwater control structures as well as perform various tasks to remove pollutants from areas that would have potential to be picked up on site and moved via stormwater offsite.

The landowners shall be responsible to inspect, maintain and operate the stormwater management system as well as inspect the grounds for eroded areas and collected pollutants. Appointing a responsible person in charge to implement this OMP on behalf of the landowner is preferred but the landowners shall be responsible at all times for implementing this OMP. The purpose of the OMP is to maintain the long term benefits from the Stormwater Management features constructed that support stormwater detention and pollution prevention.

Responsible Party - Thayer Nursery
 Josh Oldfield
 270 Hillside Street
 Milton, MA 02186
 617-698-2005

The responsible party listed above is responsible for inspecting, maintaining and keeping copies of maintenance records for the following plan. Given that the responsible party is a professional landscaper with the proper tools and experience to oversee the maintenance of the stormwater system, it is expected that the yearly cost shall be minimal for materials and labor with no profit margin. The responsible party can therefore expect a yearly budget of \$500 to \$1,000 per year to maintain the site. The responsible party will be referenced as the Manager throughout the rest of this OMP.

Structural Operations

Detention Basin

A detention basin shall be constructed onsite to control stormwater runoff rates, allow some gradual infiltration and provide limited pollutant removal. The detention basin is designed to handle peak discharges for the 2, 10, 25 and 100 year storm events. Vegetation shall be applied as soon as grading operations have been completed. Temporary erosion control matting shall be used when slopes are expected to be exposed for more than a month.

Once constructed, the basin shall be inspected after each storm event to determine if any erosion, sedimentation or vegetative debris impacts the basin. If erosion is identified in the basin, the affected area will be stabilized and reseeded as required to maintain vegetative cover. Light equipment or hand tools such as rakes and shovels shall be used to remove accumulated deposits of silt and sand within the basin. Woody vegetation, such as saplings and brush shall be removed from the basin bottom and side slopes. The grass within the basin shall not be cut too often or too short to maintain the effectiveness of the basins ability to remove particulate from the stormwater. The grass should not be cut any lower than 4 inches.

Outlet Control Structure

The outlet control structure releases stormwater in a controlled fashion to minimize erosive forces that could cause rutting and possible sediment transport off-site. The outlet is a single 12" diameter orifice within a 24" vertical pipe. An overflow in the top of the pipe allows for large storm event to flow out of the system. A connection from this structure to the town system is proposed. The outlet control structures shall be inspected after each storm event. The Manager shall remove any and all sediment, debris, small sapling vegetative growth and any other material that may block the flow from the structure. All material removed and placed shall be done by hand using hand tools. The Manager shall provide a written inspection report of each time work occurs on the outlet structure. An example form is attached.

Rock Bag Check Dam

A rock bag check dam is proposed to remove sediment, debris and other deleterious material from entering the basin and the outlet control structure. The rock bag check dam consists of several small aligned porous bags of ¾" crushed stone that allows surface water to flow through while sediment and debris drops and/or is screened out of the flow. The rock bag check dam shall be inspected after each storm event. The Manager shall remove any and all sediment, debris and vegetation and any other material that may block the flow through the check dam the structure. All material removed and placed shall be done by hand using hand tools. The Manager shall provide a written inspection report of each time work occurs on the outlet structure. An example form is attached.

Record Keeping

Records of the inspections and maintenance for the Non-Structural and Structural Operations performed or organized by Manager for the property shall be up to date and available for review and inspection. An example record keeping sheet is attached.

Thayer Nursery 270 Hillside Street Milton, MA

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INSPECTION SCHEDULE AND EVALUATION CHECKLIST

Best Management Practice	Inspection Frequency	Date Inspected	Contractor	Current Conditions and Minimum Maintenance / Repairs, if necessary	Completed Maintenance / Repair (i.e. date, contractor, tasks complete, etc...)
Detention Basin	After Storm Event				
Outlet Control Structures	After Storm Event				
Rock Bag Check Dam	After Storm Event				

Property Manager: _____

Date _____