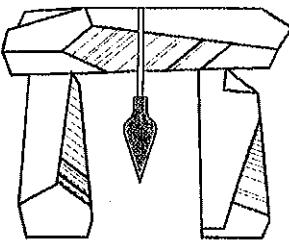


DeCELLE



**BURKE**

& Associates, Inc.

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

Prepared by:

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Prepared for:

Thayer Nursery  
270 Hillside Street  
Milton, MA 02186

August 31, 2015

## **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 of-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 though 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

**Stormwater Operation & Site Maintenance Plan**

**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 \_\_\_\_\_