

**OPERATION & MAINTENANCE PLAN  
#386-#394 WATERTOWN STREET,  
NEWTON, MASSACHUSETTS**



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Prepared by:  
Rolando de Castro

Reviewed by:  
Marc Besio, PE, SIF

VTP Associates, Inc.  
132 Adams Street  
2<sup>nd</sup> Floor, Suite 3  
Newton Massachusetts 02465  
1-617-332-8271  
Job # 216101

## **OPERATION & MAINTENANCE PLAN**

The stormwater runoff controls associated with this project will require continued maintenance by the property owner. The major components associated with maintenance needs are the catch basins and infiltration systems. These will need to be cleaned periodically as noted below. Cleaning of these structures shall be done by the developer & property owners via a specialty contractor with hydraulic cleaning ability. In addition to the facilities noted below, the property owner should maintain any roof gutters/drains on a regular basis to prevent clogging and carry over of debris into the driveway system. The property owner should also provide for the periodic cleaning of the driveway areas to remove large debris, grass cuttings and sand particles prior to discharge through the catch basin units. The following outlines the major maintenance issues associated with the project.

### **Catch basin Cleaning:**

The catch basin structures should be inspected after completion of construction to assure that all debris was removed and no construction material will be cause the system to clog. This inspection should also include the drain lines within the system.

The catch basin sumps should be inspected quarterly; if depth of sediment in sumps exceeds 50% capacity, sediment must be removed. The catch basin should be cleaned with a hydraulic vacuum system two (2) times per year (spring and fall seasons) to remove accumulated solids and debris. At the same time, the drain lines should be inspected and cleaned if needed. Assuming the catch basins, and drain lines are maintained and cleaning is in accordance with normal standards, the solids removal efficiency should be as required to prevent carry over of large solids to the infiltration systems.

### **Storage / Infiltration System**

The storage/infiltration system should be inspected after completion of construction to assure that all debris was removed and no construction material will be cause the system to clog.

The storage/infiltration system should be inspected over the first year of operation on a quarterly basis to determine the level of required maintenance. This inspection should be performed by the Owner's Engineer and a report issued to the City as to any cleaning / maintenance needs of that system. At the same time, the inspection of the catch basins and piping should be performed to determine any flushing / cleaning needs. As a preliminary schedule, the system piping should be cleaned once a year to remove accumulated sediments and sediments in the infiltration chambers should be removed when they reach two (2) inches in depth.

### **Sweeping of Driveway and Parking Areas**

The home owner or maintenance contractor should sweep the driveway and exterior parking spaces twice a year to avoid debris and sediments from entering the catch basin and infiltration systems.

### **Maintenance Responsibilities**

The maintenance of the Drainage System is the responsibility of the Property Owner(s), via their owners association. The actual work should be subcontracted to a company that specializes in the cleaning of storm drainage facilities. Inspections should be performed by independent individual such as the design engineer or other experienced individual in the field.

**OPERATION & MAINTENANCE PLAN INSPECTION REPORT**

#386-#394 WATERTOWN STREET,  
NEWTON, MANEWTON

Inspection Firm: \_\_\_\_\_

Inspector's Name: \_\_\_\_\_ Date: \_\_\_\_\_

Components Inspected: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Signed: \_\_\_\_\_

**System Maintenance:**

Maintenance Firm: \_\_\_\_\_ Date: \_\_\_\_\_

Catch Basins Cleaned: Yes: [  ] No: [  ] Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Drain Lines Inspected: Yes: [  ] No: [  ] Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Infiltration Systems(s) Cleaned: Yes: [  ] No: [  ] Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Driveway and Parkings Swept: Yes: [  ] No: [  ] Comments: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Estimate of Material Removed: \_\_\_\_\_

Other Comments: \_\_\_\_\_

\_\_\_\_\_

Signed: \_\_\_\_\_