

Stamski And McNary, Inc.

Engineering - Planning - Surveying

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Stormwater Operation and Maintenance Manual

For

Regency at Boxborough

700-800 Mass Ave

Boxborough, MA

December 22, 2016

Responsible Party:

Applicant:

Boxborough Town Center, LLC

P.O. Box 985

Acton, MA 01720

Table of Contents

Long Term Operation and Maintenance Plan

Operation and Maintenance Sample Inspection Log

Long Term Operation and Maintenance Plan

Long Term Operation and Maintenance Plan of Stormwater Controls:

Contech CDS2015-4 ProprietaryBMP : (DMH-25)

Inspection and maintenance of the CDS2015-4 can be performed from the surface, without entry into the unit. Perform maintenance a minimum of twice per year. The CDS2015-4 should be cleaned once the sediment has reached a depth of 75% of the sump in the chamber.

Perform frequent inspections during the first year of installation to accurately establish the maintenance schedule.

Remove oil and sediment through the manhole cover with the use of a vacuum truck.

Disposal from the CDS2015-4 is similar to that of any other best management practice (BMP). Consult local guidelines or your CDS2015-4 area marketing manager prior to disposing the separator contents.

Deep Sump and Hooded Catch Basins: (CB 1-28)

During construction, catch basin grates shall be wrapped with filter fabric. Catch basins shall be cleaned upon the completion of construction. After construction, the deep sumps for all catch basins and drain manholes shall be inspected four times a year and cleaned four times a year. Sediment removed shall be disposed of in accordance with applicable local, state, and federal guidelines and regulations. The depth of the sediment in a basin shall not exceed a depth of 18 inches as determined by probing with a stick. If the stick hits the bottom within 30 inches of the water level, more than 18 inches of sediment has accumulated and must be removed. Licensed persons should remove and dispose of the contents of the sump in accordance with applicable regulations.

Drain Manholes: (DMH-1 - 24)

The drain manholes shall be inspected four times a year. Any cause of or potential for clogging shall be addressed.

Subsurface Structures:

Inspect the system after every major storm for the first few months to ensure proper stabilization and function. Thereafter, inspect and clean it at least twice per year. Water levels should be recorded over several days to check the structures drainage. Also mosquito controls may be necessary.

Sediment Forebays: (SMA-1, SMA-2, SMA-3, SMA-4, SMA-7)

The floor and sidewalls of the sediment forebay must be stabilized before use. Sediment forebays shall be inspected monthly and cleaned a minimum of four times per year and when sediment depth is between 3-6 inches. After sediment removal, any damaged vegetation must be replaced. Grass in the forebay shall not exceed 6 inches in length and any scouring and gulying shall be repaired as necessary.

Infiltration Basins: (SMA-1, SMA-2, SMA-3, SMA-4, SMA-5, SMA-6, SMA-8)
Preventative maintenance should be performed at least twice a year, and ideally sediment should be removed from the sediment forebays after every major storm event. Sediment shall be disposed of in accordance with applicable local, state, and federal guidelines and regulations.

Once online, the basins shall be inspected after every major storm event, for the first few months. Thereafter, the basin should be inspected at least twice per year. Important items to check for include: differential settlement, cracking, erosion, leakage, or tree growth on the embankments, condition of riprap, sediment accumulation and the health of the turf.

At least twice a year, the buffer area, side slopes and basin bottom should be mowed. Grass clippings and accumulated organic matter shall be removed to prevent the formation of an impervious organic mat. Trash and debris should also be removed at this time.

Sediment should be removed from the basin as necessary. Removal procedures shall not take place until the floor of the basin is thoroughly dry. Pretreatment devices associated with basins should be inspected and cleaned at least twice a year and ideally every other month.

Emergency Contacts:

In the event of a hazardous materials spill on the site the following parties shall be contacted:

Fire Department: ph: 978-264-1770

Records:

The condominium association shall maintain an inspection log of all elements of the storm water management plan. The condominium association shall maintain a maintenance log documenting the inspection and maintenance of the drainage structures. A copy of the erosion control and storm water maintenance plan and inspection logs shall be kept onsite at all times

Responsibility Party:

The condominium association shall be responsible for the inspection and maintenance of the stormwater controls.

Budget:

The estimated annual operation and maintenance budget is \$8,000.

Illicit Discharges: THERE WILL BE NO ILLICIT DISCHARGES ON SITE.

Name: _____

Signature: _____

Date: _____

Operation and Maintenance Sample Inspection Log

Regency at Boxborough
Operation and Maintenance Inspection Log

Year: _____

Inspection Items:

Catch Basins
Subsurface Drainage Structure
Sediment Forebay
Infiltration Basin
CDS201504

Frequency:

Four times per year
Once per year
Monthly
Two times per year
Two times per year

CDS201504

Previous Inspection Date: _____
Inspection Date: _____
Inspector Name: _____
Comments: _____

Action Required:

Roof Drywell

Previous Inspection Date: _____
Inspection Date: _____
Inspector Name: _____
Comments: _____

Action Required:

Sediment Forebay: _____

Previous Inspection Date: _____

Inspection Date: _____

Inspector Name: _____

Erosion in Forebay: _____

Comments: _____

Action Required:

Infiltration Basin: _____

Previous Inspection Date: _____

Inspection Date: _____

Inspector Name: _____

Sediment Forebay: _____

Erosion in Basin: _____

Outlet Structure: _____

Comments: _____

Action Required:

Sediment Forebay: _____

Previous Inspection Date: _____

Inspection Date: _____

Inspector Name: _____

Erosion in Forebay: _____

Comments: _____

Action Required:

Sinsurface Infiltration Structure _____

Previous Inspection Date: _____

Inspection Date: _____

Inspector Name: _____

Sediment Forebay: _____

Erosion in Basin: _____

Outlet Structure: _____

Comments: _____

Action Required:

Catch Basins: CB1-28, DI 1-9 CB _____

Previous Inspection Date: _____

Inspection Date: _____

Inspector Name: _____

Sediment Depth: _____ (Remove if depth greater than 18")

Comments:

Action Required:

Catch Basins: CB1-28, DI 1-9 CB _____

Previous Inspection Date: _____

Inspection Date: _____

Inspector Name: _____

Sediment Depth: _____ (Remove if depth greater than 18")

Comments:

Action Required:

Catch Basins: CB1-28, DI 1-9 CB _____

Previous Inspection Date: _____

Inspection Date: _____

Inspector Name: _____

Sediment Depth: _____ (Remove if depth greater than 18")

Comments:

Action Required:

Catch Basins: CB1-28, DI 1-9 CB _____

Previous Inspection Date: _____

Inspection Date: _____

Inspector Name: _____

Sediment Depth: _____ (Remove if depth greater than 18")

Comments:

Action Required: