

Long Term Operation and Maintenance Plan

Site Plan Downey Street New Bedford, MA

May 20, 2014

REVISED: June 20, 2014

Owner:

City of New Bedford, Airport Commission
131 William Street
New Bedford, MA 02740

Prepared For:

Claremont Companies
1 Lakeside Center
Bridgewater, MA 02324

Prepared By:

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Project No. 13-894

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Street Sweeping

It shall be the responsibility of the owner to:

Inspections:

Inspect sediment deposit accumulations on the parking lots quarterly.

Maintenance:

Sweep parking lots at least annually.

Dispose of the accumulated sediment and hydrocarbons in accordance with local, state, and federal guidelines and regulations.

Deep Sump Catch Basins

The catch basins and manholes are to be inspected and maintained by the owner.

It shall be the responsibility of the owner to:

Inspections:

Inspect the catch basins and manholes quarterly.

Maintenance:

Remove accumulated sediment, trash, leaves and debris when the depth of deposits is greater than or equal to one half the depth from the bottom invert of the lowest pipe in the basin and/or manhole to the bottom elevation of the basin or manhole.

Dispose of the accumulated sediment and hydrocarbons in accordance with local, state, and federal guidelines and regulations.

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Contech Water Quality Unit

The units are to be inspected and maintained by the owner.

It shall be the responsibility of the owner to:

Inspections:

Inspect the units quarterly.

Prepare inspection reports as part of each inspection and include the following information:

1. Date of inspection
2. Maintenance personnel
3. Time since last rainfall

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4. Installation deficiencies (missing parts, incorrect installation of parts)
5. Structural Deficiencies (concrete cracks, broken parts)
6. Operational deficiencies (leaks, blockages)
7. Presence of oil sheen or depth of oil layer
8. Estimate of depth/ volume of floatables (trash, leaves) captured
9. Sediment depth measured
10. Recommendations for any repairs and/ or maintenance for the units
11. Estimation of time before maintenance is required if not required at time of inspection.

Maintenance:

Typically, the unit is maintained using a vacuum truck or clam shell bucket.

The Contech Unit shall be cleaned once the sediment depth reaches 15% of the storage capacity.

To remove oil and other hydrocarbons that accumulate, it may be preferable to use adsorbent pads.

Dispose of the accumulated sediment and hydrocarbons in accordance with local, state, and federal guidelines and regulations.

Drain Lines

After construction, the drain lines shall be inspected after every major storm for the first few months to ensure proper functions. Presence of accumulated sand and silt would indicate more frequent maintenance of the pre-treatment devices is required. Thereafter, the drain lines shall be inspected at least once per year. Accumulated silt shall be removed by a vacuum truck or other method preferred.

Snow Storage

Dumping of snow in the Bio-Retention Areas, Bordering Vegetated Wetlands and stockpiling it on top of catch basins or the water quality inlet is prohibited.

Bio-retention Areas

The owner of the basins shall be the lessee. The basins are to be inspected and maintained by the lessee.

It shall be the responsibility of the lessee to:

Inspections:

Inspect the bio-retention areas quarterly.

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54 Longmeadow Road, **Taunton**, MA 02780 • P.508.822.9870
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Ensure that the bio-retention areas are operating as designed and meeting the expected detention times.

Inspect bio-retention areas for subsidence, erosion, cracking or tree growth on the embankment; sediment accumulation around the outlet; and erosion within the basin and banks.

Inspect overflow bio-retention areas for evidence of clogging, sediment deposits or outflow release velocities that are greater than the design flow.

Maintenance:

When mowing bio-retention areas bottom, keep the grass height no greater than 6 inches. Set mower blades no lower than 3 inches. Mow 2-12 times per year.

Remove accumulated trash, leaves, debris at least monthly.

Mulch areas once per year.

Fertilize area once per year.

Remove dead vegetation twice per year.

Prune once per year.

Do not snow store in bio-retention areas.

Check for signs of erosion and repair as need. After removing sediment, replace any vegetation damaged during clean-out by either reseedling or re-sodding.

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