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LANDSCAING COMPANY
82-92 CREST WAY, HAMDEN
STORMWATER MAINTENANCE PROGRAM
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Upon site development, there will be a need to periodically maintain the various elements of the stormwater facilities onsite. The stormwater system consists of a detention area, Plunge Pools splash pads, outlet structure, catch basins, and storm drainage piping.

In order to ensure optimal pollution prevention to receiving waters, the following stormwater maintenance program has been established. The property owner, Mr. Rus Boyarsky, shall be the individual responsible for the implementation of this program.

A. Inlets and Outfalls

Storm outfalls and riprap areas shall be maintained to ensure their function as energy dissipaters. Quarterly inspection shall be carried out in these areas.

- Plunge pool aprons at all pipe discharge points
- Inlet and outlet conveyance pipe from front swale through the existing catch basins and discharge to the detention basin

Maintenance of problem areas shall be carried out as needed or at least once every year. Excess sediment and debris shall be removed so that the structures function effectively and aesthetics are maintained.

B. Detention Basin

- 1) Inspection Schedule
 - a. Visual inspections shall be conducted monthly, particularly after heavy runoff, to ensure proper functioning of the detention basin and outlet structure (i.e. no pooling or blockages)
 - b. Detailed inspections shall be conducted at least twice annually with inspections occurring:
 - i. At the end of the wet season to schedule summer maintenance.
 - ii. Before major fall runoff in preparation for winter.
 - iii. After periods of heavy runoff.



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Detailed inspections are meant to identify erosion, damage to vegetation, grass or plant height, debris, litter, areas of sediment accumulation and pools/standing water.

2) Maintenance Activities

- a. Routine or preventative maintenance is intended to ensure the detention basin area is in proper working order. This includes debris removal, silt and sediment removal, and clearing of vegetation around flow control devices to prevent clogging. Also included is maintenance of a healthy vegetative cover.
 - i. Erosion: Areas of erosion and slope failure shall be repaired and replanted as soon as possible. Eroded areas near the inlet or outlet may also need to be lined with riprap, which will be determined on a case by case basis.
 - ii. Damage to Vegetation: If the detention basin develops ruts or holes, it shall be repaired utilizing a suitable soil that is properly tamped and seeded. The grass or plant cover should be thick; if not, it shall be replanted with in-kind plants, as necessary.
 - iii. Grass or plant height: The detention basin shall be mowed twice annually. Remove cuttings and dispose/compost.
 - iv. Debris/Litter: Remove all litter or debris within the detention basin prior to mowing and as inspections warrant.
 - v. Areas of sediment accumulation: Remove sediment by hand with a flat-bottomed shovel whenever sediment covers vegetation or begins to reduce the capacity of the detention basin. Sediment accumulating near inlets and in channels should be removed when it builds up to 3 inches at any spot, or covers vegetation. Keep all level spreaders even and free of debris.
 - vi. Pools and standing water: Observe soil at the bottom of the detention basin for uniform percolation throughout. If portions of the detention basin area do not drain within 5 days after the end of a storm, the soil shall be tilled, regraded and replanted with a seed mix similar to those originally planted in the swale.
 - vii. Pesticides and Fertilizers: Application of pesticides and fertilizers shall be minimal. Only organic pesticides and fertilizers shall be used.



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C. Driveway & Parking Area Sweeping

All parking areas and sidewalks shall be swept clean of sand and litter at least twice per year, once between November 15 and December 15 (after leaf fall) and once during the month of April (after snow melt) and at other times as may be necessary.

D. Catch Basins

Catch basins contain sumps that will require periodic maintenance. Each catch basin on the property shall be inspected quarterly for the first two years, and the frequency of such monitoring in subsequent years shall be adjusted based on observation in the first two years. Sediment and debris shall be removed at least once a year, during the month of April and more frequently, if needed.

E. Oil/Water/Grit Chambers

The oil/water/grit chamber structures will require periodic maintenance. The structure shall be inspected quarterly for the first two years, and the frequency of such monitoring in subsequent years shall be adjusted based on observation during the initial two year period. Sediment and debris shall be removed at least twice a year, during the months of April and November. All removed materials shall be disposed of properly off-site.