

Maintenance of these units should be done by a vacuum truck that will remove the water, sediment, debris, floating hydrocarbons and other materials in unit. The proper cleaning and disposal of the removed materials and liquid must be followed.

Inlet and outlet pipes must be checked for any obstructions and if any obstructions are found, they must be removed. Structural parts of the units will be repaired as needed.

Detention System

Maintenance is required for the proper operation of the underground detention systems. Detention systems are prone to failure due to clogging if the upstream water quality units are not maintained. The use of pretreatment BMPs will minimize failure and maintenance requirements.

After construction, the detention systems should be inspected after every major storm (greater than 0.5 inches) for the first few months to ensure proper stabilization and function. Water levels in the access ports should be recorded over several days to check the drainage of the systems. It is recommended that a log book be maintained showing the depth of water in the detention/infiltration systems at each observation in order to determine the rate at which the system dewater after runoff producing storm events. Once the performance characteristics of the detention have been verified, the monitoring schedule can be reduced to an annual basis, unless the performance data suggests that a more frequent schedule is required.

Preventive maintenance on the detention systems should be performed at least twice a year, or as recommended by the manufacturer, and sediment should be removed from any and all pretreatment and collection structures. Sediment should be removed when deposits approach within six inches of the invert heights or as recommended by the manufacturer.

Flood Storage Area/Garage

The site has been designed such that flood waters maintain the predevelopment flow patterns. Flood waters enter Northwest Park from the west moving east along Fourth Avenue. Floodwaters will be able freely flow into the garage on the west, south and east sides through side grates which prevent large animals or debris from entering the area. The garage floor is sloped. As flood waters recede, they will flow back out the south side in the same manner that the flood water entered the site.

Inspections of the area should be performed yearly, and after any flood event in which flood waters have entered the flood storage area. Pre-storm inspections of inlet grates should occur twice per year and before any large storm events.

SNOW DISPOSAL AND PLOWING

The purpose of the snow and snowmelt management plan is to provide guidelines regarding snow disposal site selection, site preparation and maintenance that are acceptable to the Department of Environmental Protection. For the areas that require snow removal, snow storage onsite will largely be accomplished by using pervious upland areas along the shoulder of roadways as windrowed by plows.

- Avoid dumping of snow into any water body, including rivers, ponds, or wetlands. In addition to water quality impacts and flooding, snow disposed of in open water can cause navigational hazards when it freezes into ice blocks.

**POST-CONSTRUCTION PHASE INSPECTION SCHEDULE
 AND EVALUATION CHECKLIST**

Inspection Date	Inspector	BMP Inspected	Inspection Frequency Requirements	Comments	Recommendation	Follow-up Inspection Required (yes/no)
		Deep Sump Hooded Catch Basins	Four times a year and at end of foliage/snow removal seasons			
		Water Quality Units	Four times a year minimum and after intense rain events			
		Subsurface Detention System	After every storm >5" during first year, then Twice a year			
		Flood Storage Area	Yearly and after flooding events			

1. Refer to the Massachusetts Stormwater Handbook Volume Two: Stormwater Technical Handbook (February 2008) for recommendations regarding frequency for inspections and maintenance of specific BMP's
2. Inspections to be conducted by a qualified professional such as an environmental scientist or civil engineer.
3. Limited or no use of sodium chloride salts, fertilizers or pesticides recommended.

Other Notes: (Include deviations from Conservation Commission Approvals, Planning Board Approvals and Approved Plans)