

BIOINFILTRATION/BIORETENTION MAINTENANCE GUIDANCE

Bioinfiltration/bioretention maintenance activities focus largely on maintaining infiltration capacity and the health of vegetation. During periods of extended drought, bioinfiltration/bioretention SMPs may require watering approximately every ten days.

General recommended maintenance activities for bioinfiltration/bioretention SMPs are summarized in Table 4.1-5.

The designer is referred to Section 4.10, Pretreatment, Section 4.11, Inlet Controls, Section 4.12, Outlet Controls, and Section 4.13, Landscaping, for information on maintenance guidance for pretreatment, inlet controls, outlet controls, and landscaping.

**TABLE 4.1-5:
Bioinfiltration/Bioretention Maintenance Guidelines**

	ACTIVITY	FREQUENCY
EARLY	Water vegetation at the end of each day for two weeks after planting is completed.	<i>Daily for two weeks after installation</i>
	Water vegetation regularly to ensure successful establishment.	<i>Every four days during periods of four or more days without rain, June through August for the first year after installation</i>
	Inspect vegetation for signs of disease or distress.	<i>Biweekly for the first year after installation</i>
	Inspect inlet controls, outlet structures, and storage areas for trash and sediment accumulation.	<i>Monthly for the first year after installation to determine ongoing maintenance frequency</i>
ONGOING	Remulch void areas.	<i>As Needed</i>
	Treat diseased trees and shrubs.	
	Keep overflow free and clear of leaves.	
	Inspect soil and repair eroded areas.	<i>Monthly</i>
	Remove litter and debris.	
	Clear leaves and debris from overflow.	
	Inspect trees and shrubs to evaluate health, replacing if necessary.	<i>Quarterly</i>
	Inspect underdrain cleanouts.	
Add additional mulch.		
Inspect for sediment build-up, erosion, and vegetative conditions	<i>Ongoing</i>	
Evaluate the drain down time of the SMP after a storm of at least one inch in no more than 24-hours to ensure an SMP drain down time of less than 72 hours.		
Maintain records of all inspections and maintenance activity.		