

What does your rain garden (bioretention facility) do; and why is it important?

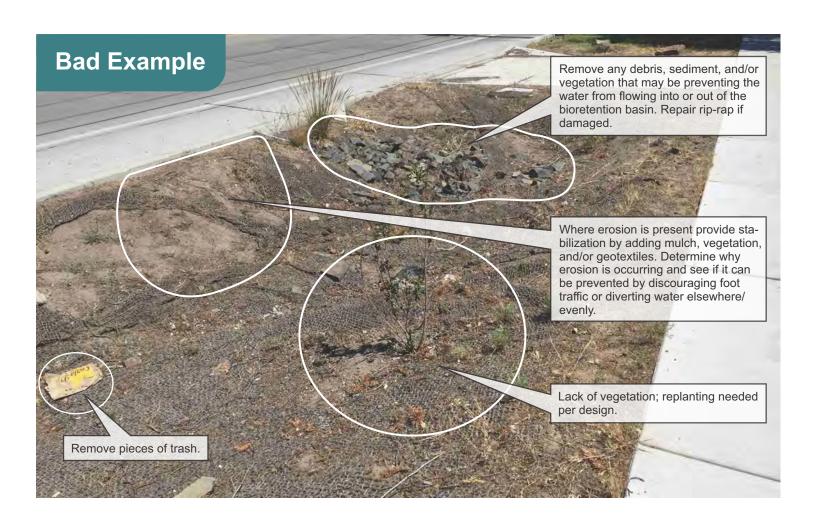
The rain garden on your property makes a significant positive impact on water quality of nearby rivers and/or groundwater. By design, bioretention facilities capture and promote infiltration, allowing stormwater to sink into the soil like it would naturally. These facilities protect the environment by naturally removing pollutants such as phosphorus, nitrogen, and heavy metals. This process helps prevent pollutants from entering our beloved Deschutes River and underground drinking water supplies.

Why is it important to maintain your facility?

Without proper maintenance, bioretention facilities will be ineffective at removing pollutants and infiltrating stormwater. It is important to keep plants healthy, remove sediment, and pick up trash. In Bend, our stormwater facilities serve an important function and property owners are required to keep and maintain them per Bend Code Title 16. Just remember, a few things will go a long way in the effort to keep our waters clean and to prevent localized flooding.

What tools do you need?

All you need is a sturdy pair of gardening gloves, a pair of shears, a shovel, the attached checklist, pen, and a little bit of time. It also helps to have a copy of your site plan to verify location and design. This is typically a maintenance agreement. If you do not have access to a copy of your site plan, please contact the City for assistance (see back).





Rain Garden Inspection and Maintenance Checklist

Property Address Property Owner				
FacilityName/Designator		Date of Inspection		
	on: Pre-rainy Seas			Annual Re-inspection ¹
Defect	Conditions When Maintenance Is Needed	Mainte- nance Needed? Yes / No	Comments Describe maintenance completed; and if any needed maintenance was not conducted, note what is needed and when it will be done	Results Expected When Maintenance IsPerformed
Trash and Debris	Trash and debris accumulated in basin Visual evidence of dumping			Trash and debris cleared from site
Contaminants and Pollution	Any evidence of oil, gasoline, contaminants or other pollutants			Oil and contaminants removed and properly disposed; no contaminants or pollutants present
Vegetation	Planted vegetation becomes excessively tall Presence of poisonous or nuisance vegetation or noxious weeds			Vegetation mowed per specifications or maintenance plan, so that flow is not impeded; vegetation should never be mowed lower than the design flow depth; remove clippings from the area and dispose appropriately Management of poisonous or noxious vegetation
Tree/Brush Growth and Hazard Trees	Growth does not allow maintenance access or interferes with maintenance activity Dead, diseased, or dying trees			Trees do not hinder maintenance activities Remove hazard trees as approved by the City (Use a certified Arborist to determine health of tree or removal requirements)
Erosion	Eroded over 2 inch deep where cause of damage is still present or where there is potential for continued erosion			Cause of erosion is managed appro- priately; areas remulched to fill in void areas
Sediment	Accumulated sediment affects inletting or outletting condition of the facility			Sediment removed and area reseeded if necessary to control erosion
Damaged Pipes	Any part of the piping that is crushed or deformed more than 20% or any other failure to the piping			Pipe repaired or replaced
Mosquito Vector	Suitable habitats exist for mosquito production (e.g., standing water for more than 72 hours in areas accessible to mosquitoes)			Water drainage rates are restored to design standards Standing water no longer exists or is inaccessible to mosquitoes

¹ Re-inspection of a previously-noted maintenance issue.

Additional Resources

Central Oregon Stormwater Manual

Rain Garden Guide

OSU Waterwise Landscaping Guide

IDDE Manual

Available at the website below.



62975 Boyd Acres Road Bend, Oregon, 97701

541-317-3000 option 2 FAX: 541-317-3046

www.bendoregon.gov/cleanwaterworks



Accommodation Information for People with Disabilities.

To obtain this information in an alternate format such as Braille, large print, or electronic, please contact 541-317-3000 ext. 2 or email utilities@bendoregon.gov.