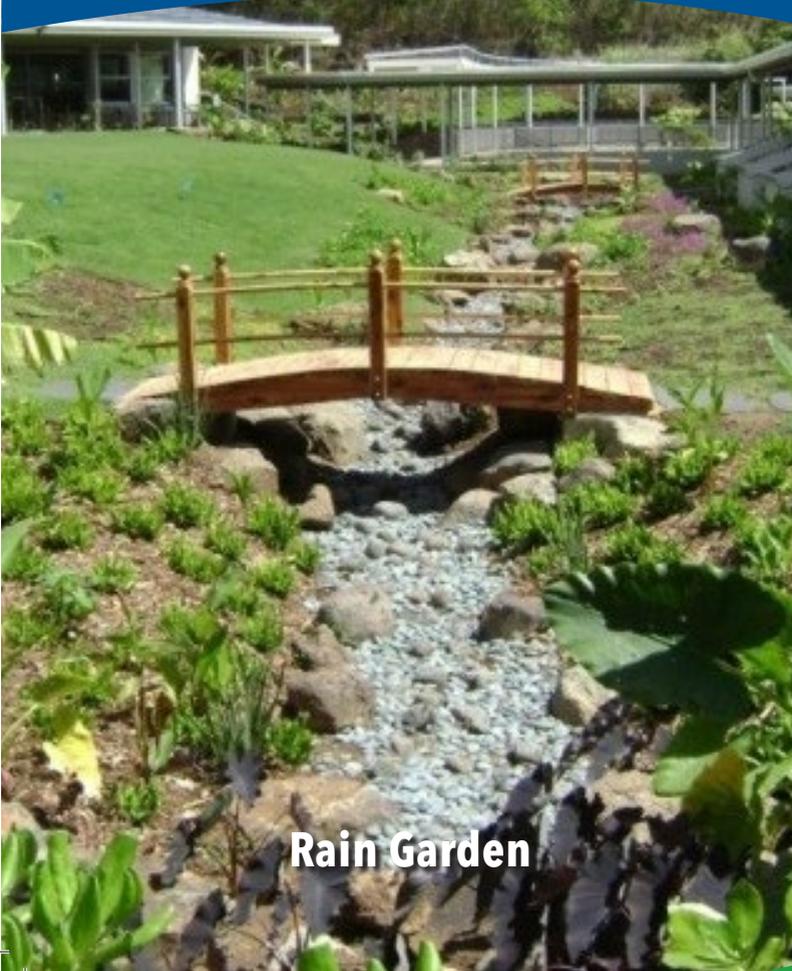


Infiltration Trench



Rain Garden

MAINTENANCE MATTERS

The expected lifespan for most Post-Construction Treatment Control BMPs is 25 years or more with proper maintenance.

Routine inspections and maintenance are necessary to retain long-term functionality and compliance with the Water Quality Rules.

BE AN EVERYDAY
CLEAN WATER



CLEANWATERHONOLULU.COM

FOR MORE INFORMATION:

Storm Water Quality Online Learning Center
for Construction & Post-Construction
<http://www.honolulu.gov/dfmswq/learningctr.html>

Storm Water BMP Guide for New and Redevelopment
<http://bit.ly/SWBMPGuide>

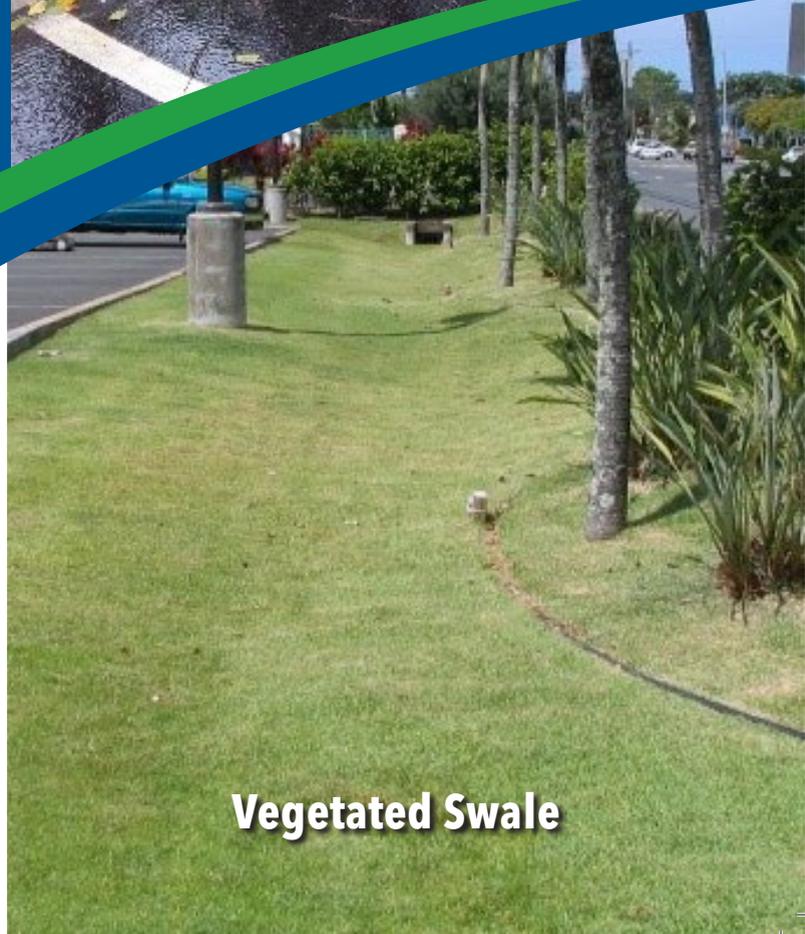
ROUTINE MAINTENANCE FOR POST CONSTRUCTION TREATMENT CONTROL BMPs



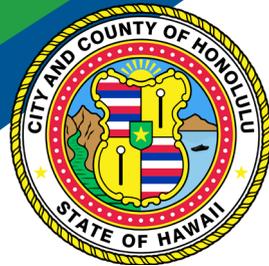
**Infiltration Trenches · Infiltration Basins
Grass Filter Strips · Vegetated Swales
Sand Filters · Tree Planters · Planter Boxes
Bioretention Basins · Rain Gardens
Manufactured Treatment Devices**



Bioretention Basin



Vegetated Swale



**CITY AND COUNTY OF HONOLULU
DEPARTMENT OF FACILITY MAINTENANCE**

RECORD KEEPING

Keep a log of all routine O&M inspections and maintenance actions.

Records must be kept on site for a minimum of 5 years and be made available to the City immediately upon request.

Inadequately inspected and maintained BMPs may be subject to penalties.



Records can be used to request a reduced inspection and maintenance schedule from the Department of Facility Maintenance Storm Water Quality Branch.

WASTE HANDLING

Trash, filter media, and fine sediments are considered non-hazardous wastes and can be disposed of in the landfill.

Wastes may require special handling and disposal methods if they:

1. Originate from areas where chemicals or hazardous materials come in contact with storm water; or
2. Contain oil and grease, an oily sheen, odor, or other signs of contamination.

Questions about proper disposal?

CONTACT:
City Department of Environmental Services, Solid Waste Division
(808) 768-3201
householdhazardouswa@honolulu.gov

INSPECTION AND MAINTENANCE REQUIREMENTS

Treatment Control BMPs must be inspected a minimum of 4 times per year (once per quarter) and maintenance must be performed at least once a year. **(Rules Relating to Water Quality §20-3-53)**

Certain Treatment Control BMPs may require more frequent inspections and maintenance depending on the amount and quality of runoff they receive. Follow the inspection schedule for optimal maintenance.



Find a local O&M service provider for your Manufactured Treatment Device at http://bit.ly/O_M_Services_Oahu

Issue	Inspection Schedule	Maintenance Solution
Persistent ponding or standing water after 24 hours 	<ul style="list-style-type: none"> - After a major rainfall (first 3 months) - Beginning & end of wet season 	<ul style="list-style-type: none"> • Remove sediment or trash clogging the filter surface or underdrain and check for over compaction.
Visible trash & debris 	<ul style="list-style-type: none"> - Beginning & end of wet season - After a major rainfall 	<ul style="list-style-type: none"> • Rake in and around the system to clear inlets and outlets of leaves and other debris obstructing flow.
Visible sediment accumulation in filter bed or in inlets/outlets 	<ul style="list-style-type: none"> - Beginning & end of wet season - After a major rainfall 	<ul style="list-style-type: none"> • Rake the hard surface to remove excess sediment (>2 in.) from the filter bed and uncover buried vegetation. • Remove any accumulated sediment from inlets/outlets.
Erosion around inlets & areas with bare soil 	<ul style="list-style-type: none"> - Beginning & end of wet season - After a major rainfall 	<ul style="list-style-type: none"> • Remove obstructions and sediment to allow water to flow freely and disperse over a wide area. • Add/replace vegetation in eroded areas.
Vegetation looks unhealthy or is dead/dying 	<ul style="list-style-type: none"> - Beginning and end of wet season (minimum) - As needed to achieve healthy vegetation 	<ul style="list-style-type: none"> • Water plants until established. Inspect plants for signs of distress or disease. • Cut and remove any dead/dying vegetation and decaying plant material.
Vegetation covers less than 90% of the area 	<ul style="list-style-type: none"> - Quarterly (minimum) - Monthly 	<ul style="list-style-type: none"> • Remove weeds and replace with intended plants to achieve at least 90% coverage. • Maintain plants according to specified guidelines (trimming, mowing, etc.).
Inlets/outlets appear deteriorated 	<ul style="list-style-type: none"> - Annually 	<ul style="list-style-type: none"> • Repair or replace damaged structural parts (i.e. inlets, outlets, sidewalls).



To determine if all the components of your BMP are functioning as they should, perform inspections during and immediately after a storm event.