

Storm Water Wetland Maintenance Guide

Wetlands are among the most effective storm water practices in terms of pollutant removal and storm water control. In addition they also offer aesthetic value and wildlife habitat.

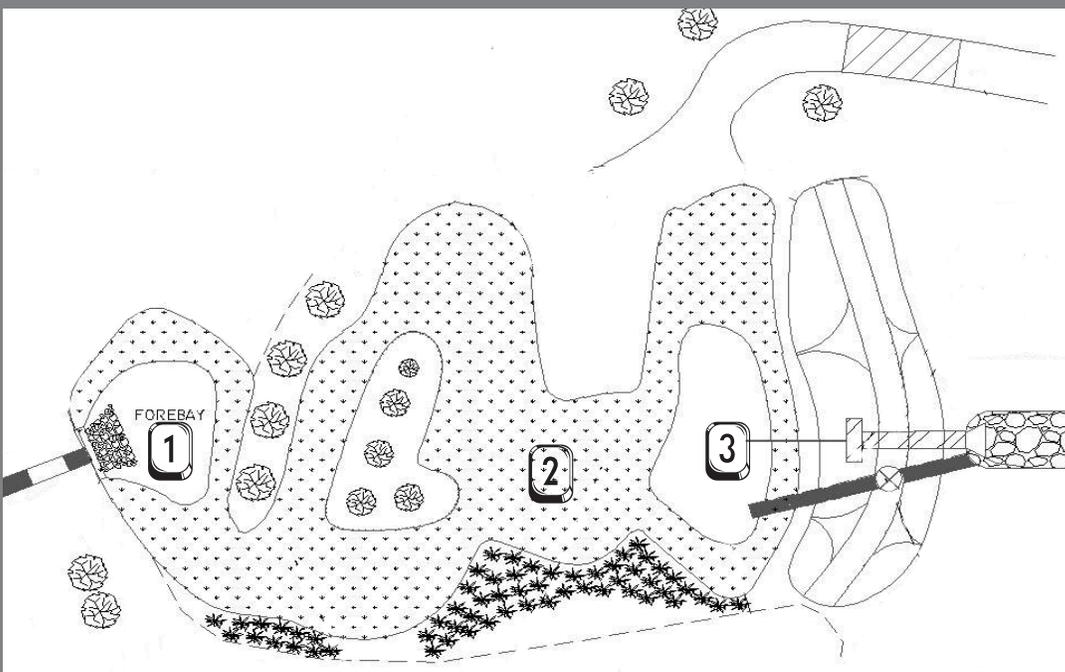
HOW DOES IT WORK?

Storm water wetlands are constructed that mimic the functions of natural wetlands and use physical, chemical, and biological processes to treat storm water pollutants.

- 1 The wetland forebay is designed to remove incoming sediment from the storm water flow prior to dispersal into the wetland.
- 2 In the shallow water, wetland plants improve water quality by slowing the water flow and taking up and transforming pollutants.
- 3 The deep pool at the outlet should be non-vegetated to prevent clogging. Deep pools provide additional pollutant removal and storage volume.



STORM WATER WETLAND SCHEMATIC



REMEMBER

Well designed and maintained storm water wetlands generally do not attract mosquitoes, but do attract mosquito predators such as the dragonfly.

Safety ledges are needed adjacent to any permanent pool areas that are deeper than 3 feet.

STORM WATER WETLAND MAINTENANCE TASKS AND SCHEDULE



TASK	SCHEDULE
Forebay inspection and cleanout	Monthly inspection. Remove sediment every 7 years or when sediment volume exceeds 50% of storage volume
Invasive species control / vegetation management and replanting to maintain design densities	Semi-annual
Outlet/inlet inspection and cleanout	Monthly
Trash removal	Monthly
Inspect for structural damage, leaks, etc	Yearly
Visual inspection of water quality	Monthly
Evaluate sediment level (remove at 20 yrs. or when plants are being impacted)	Yearly
Mowing banks and surrounding vegetation to control woody and nuisance vegetation	Monthly
Rodent and mosquito management	As Needed
Security	As Needed



- Regular inspections, especially after rain events, are important to ensure that the Storm Water Wetland is functioning properly.
- Preventative maintenance will help you avoid costly corrective maintenance and repairs.
- If the Storm Water Wetland is not functioning properly, such as unusual water levels, call 311. An inspector will help you determine what the issue is so repairs can be made.