

A healthy wet pond will treat storm water and remove harmful pollutants such as nutrients, metals, and grease before leaving the site and entering into local streams and lakes.

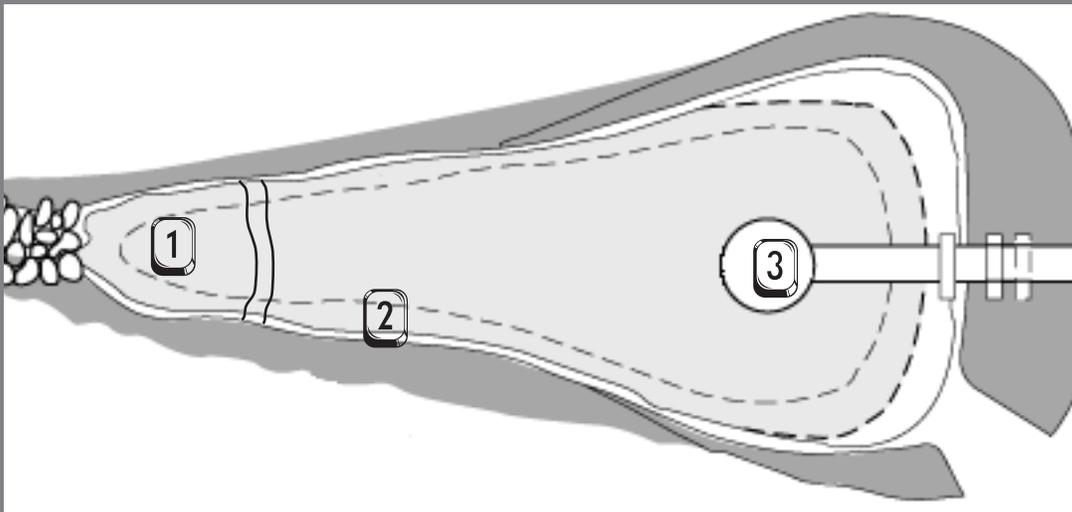
## HOW DOES IT WORK?

These ponds capture rainfall from storm drains and runoff from rooftops, parking lots, driveways, and other hard surfaces. There are three main components of the Wet Pond that help treat storm water:

- 1 The forebay is a pool where the water first enters the pond, and heavier pollutants, such as sediment, initially settle there.
- 2 The aquatic shelf (or littoral shelf) is a shallow water zone of the pond where wetland plants uptake nutrients and other pollutants.
- 3 The drawdown structure allows the water to be released slowly which gives time for the pollutants to settle out.



## WET POND SCHEMATIC



## REMEMBER

A good diversity of wetland plants will attract dragonflies which will keep the mosquitoes away.

A fountain can help aerate the pond and reduce algae blooms. The majority of algae blooms are non-toxic but can kill fish.

# WET POND MAINTENANCE TASKS AND SCHEDULE

TASK	SCHEDULE
Forebay inspection and cleanout	Monthly inspection. Remove sediment every 7 years or whenever the sediment volume exceeds 50% of storage volume
Volume measurement	Yearly – Dredging needed every 20 years or when 25% of permanent pool volume has been lost
Bank mowing and inspection / stabilization of eroded areas	Monthly
Visual inspection of water quality	Monthly
Unwanted vegetation (woody vegetation and cattails) and trash removal	Monthly
Outlet / inlet inspection for damage and clogging	Monthly
Inspect for structural damage, leaks, etc	Yearly
Inspect / exercise all mechanical devices, valves, etc	Yearly
Rodent Management & Security	As Needed



- Regular inspections, especially after rain events, are important to ensure that the Wet Pond is functioning properly.
- Preventative maintenance will help you avoid costly corrective maintenance and repairs.
- If the Wet Pond 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.