

GLOSSARY OF TERMS

Storm Water: any water that runs over the surface before it reaches a waterway. This can be runoff from parking lots, roads, roofs, and other impervious surfaces.

Impervious surface: any material or area that does not allow surface water to enter into the soil

Wet detention pond: a pond designed to have a permanent pool or water during normal conditions. The pond only releases water during a heavy rainfall event.

Dry detention pond : a pond that will normally not hold water, except for a short time after a large rainfall event

Inlet: structure that allows water to enter a storm water basin or pond.



Outlet: structure that controls the rate of release of water from pond

Emergency spillway: discharges excess storm water during substantial run off events.

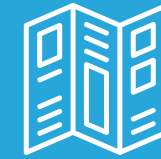
Rip-rap: rock material typically used to stabilize conveyance channels

Contact Information

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FOR MORE
INFORMATION VISIT:

<https://www.cityofdecatur1.com/departments/engineering-department/stormwater-management/>



OWNER'S GUIDE TO DETENTION POND MAINTENANCE



City of Decatur
STORMWATER MANAGEMENT

How stormwater detention ponds help manage stormwater runoff and prevent pollution?

Stormwater detention areas are built to safely hold stormwater from impervious surfaces during heavy rain events.

These impervious surfaces also allow for increased nonpoint source pollution such as automotive fluids, pet waste, pesticides, and fertilizers that may collect on pavement to wash into local streams and lakes

Unfortunately, if these structures are not inspected, maintained, and managed correctly, they can actually increase flooding, cause a safety hazard, and negatively impact property values.



Schedule of Maintenance

In order for a stormwater basin or pond to function as designed, it must be properly maintained. Frequent maintenance and inspection will ensure that potential problems are found early.

Regular Maintenance

- Tree and shrub removal from dam and pond embankments
- Mow grass in the pond every two months
- Consider "no mow zones" for beneficial native plants (Not on dams)
- Remove accumulated trash and debris

Storm Inspection

- After any major rain event
- Remove trash and debris
- Check orifices in the OCS

Periodic Maintenance

Filter stone replacement

Sediment Removal

- Forebays- so that rip-rap wall and inlet pipe are not holding sediment
- A Volume Survey and Certification may help determine if sediment removal from pond is necessary

Preventative Measures

Signage

- no dumping: including trash, grass clippings, and yard debris
- Water quality awareness

A copy of design plans for BMP

- As-Built, Final Plat, site plans
- For use as reference in case of damage to BMP



OWNER'S GUIDE TO STORMWATER DETENTION POND MAINTENANCE

INSPECTION CHECKLIST

Date: _____ **Detention Facility:** _____ **Inspected by:** _____ **Phone #** _____

Type of Facility ☐ Dry Pond ☐ Wet Pond ☐ Outfall **Type of Inspection** ☐ Routine ☐ Post- Storm

ISSUE	PROBLEM NOTED? YES or NO	STEPS TO BE TAKEN	DATE OF COMPLETION
Are all structural components working properly?			
Is water flowing out of the outflow pipe?			
Are there any cracks or damaged areas on inlet/outflow pipes? Spillway? Weir?			
Does the grass need to be cut?			
Has unwanted vegetation grown over the outflow or inlet pipes?			
Overgrowth of algae noted?			
Invasive plants noted?			
Areas that need that need to be reseeded/replanted?			
Are there signs of erosion?			
Is there noticeable sedimentation in the basin? In the inlet/outflow?			
Signs of pollution? (Oily sheen, foam, etc.)			
Signs of vandalism?			
Signs of pests? (Burrowing, nesting, fire ant hills)			