



Guilford County  
Planning and Development  
Stormwater & Watershed

## Dry Detention Basin Operation and Maintenance Agreement

Cross Reference to

Plat Book: \_\_\_\_\_ Page: \_\_\_\_\_

Deed Book: \_\_\_\_\_ Page: \_\_\_\_\_

**Project Name:** \_\_\_\_\_

**SCM ID:** \_\_\_\_\_

**Property Owner:** \_\_\_\_\_

**Date:** \_\_\_\_\_

Return To

Name: \_\_\_\_\_

Address: \_\_\_\_\_

Project:  
Date:



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Plat Book: \_\_\_\_\_ Page: \_\_\_\_\_  
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I will keep a maintenance record on this SCM. This maintenance record will be kept in a log in a known set location. Any deficient SCM elements noted in the inspection will be corrected, repaired, or replaced immediately. These deficiencies can affect the integrity of structures, safety of the public, and the removal efficiency of the SCM.

The dry extended detention basin system is defined as the dry detention basin, outlet, pretreatment including forebays and the vegetated filter if one is provided.

This system:

Incorporates a vegetated filter at the outlet

- Does
- Does Not

Incorporates pretreatment other than a forebay

- Does
- Does Not

Important maintenance procedures:

- The drainage area will be managed to reduce sediment load to the dry extended detention basin.
- Immediately after the dry detention basin is established, the vegetation will be watered twice weekly if needed, until the plants become established (approximately 6 weeks).
- No portion of the dry extended detention pond should be fertilized after the first initial fertilization that is required to establish vegetation.
- I will maintain the vegetation in and around the basin at a height of approximately 6 inches.
- Once a year, a dam safety expert will inspect the dam embankment.

After the dry extended detention pond is established it should be inspected once a quarter and within 24 hours after every storm event greater than 1.0 inch. Records of operation and maintenance should be kept in a known set location and will be available upon request.

Inspection activities shall be performed as follows. Any problems that are found shall be repaired immediately.

The owner (or owners' association when applicable) responsible for maintenance of the SCM shall retain a qualified professional to perform annual inspections of the SCM. Annual inspection reports prepared by the qualified professional shall be provided to the owner and Guilford County Watershed Section for record file with notification of additional maintenance or repair required.

Project:  
Date:



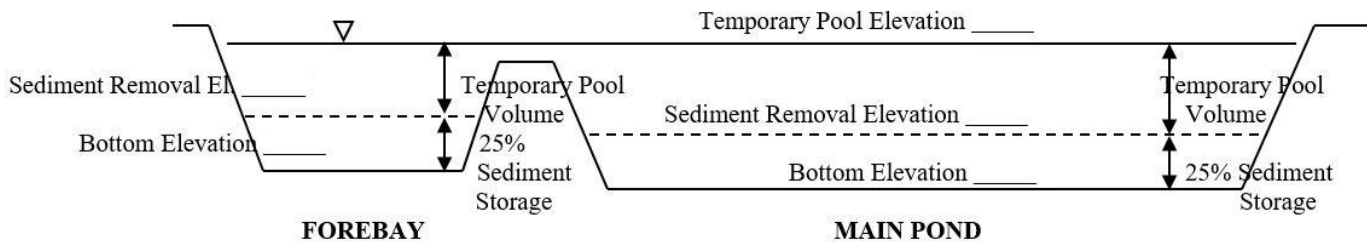
SCM Element	Potential Problem	How to remediate the problem
<b>Entire SCM</b>	Trash/debris are present	Remove the trash/debris
<b>Perimeter of the dry pond</b>	Areas of bare soil and/or erosive gullies have formed	Regrade the soil if necessary to remove the gully, and then plant a groundcover and water until it is established. Provide a one-time lime and fertilizer application
	Vegetation is too short or too long	Maintain vegetation at an appropriate height (approximately six inches)
<b>The inlet device: Pipe or Swale</b>	The pipe is clogged	Unclog the pipe, dispose of debris/sediment properly and off site
	The pipe is cracked or otherwise damaged	Replace the pipe
	Erosion is occurring in the swale	Regrade the swale if necessary to smooth it over and provide erosion control devices such as reinforced turf matting or riprap to avoid future problems with erosion
<b>The forebay</b>	Sediment has accumulated to a depth greater than the original design depth for sediment storage	Remove the sediment and dispose of it properly, where it will not cause impacts to streams or jurisdictional features or SCMs. Find the source of the sediment and remedy the problem if possible.
	Erosion has occurred	Provide additional erosion protection such as reinforced turf matting or riprap if needed to prevent future erosion problems
	Weeds are present	Remove weeds, preferably by hand. If pesticides must be used, wipe them on the plants rather than spraying
<b>The main treatment area</b>	Sediment has accumulated to a depth greater than the original design depth for sediment storage	Remove the sediment and dispose of it properly, where it will not cause impacts to streams, jurisdictional features or SCMs. Find the source of the sediment and remedy the problem if possible.
	Water is standing for more than 5 days after a storm event	Check the outlet structure for clogging. If it is a design issue, then consult an appropriate professional.
	Cattails, phragmites or other invasive plants cover 50% of the basin surface.	Remove the plants by wiping them with a pesticide, do not spray.
<b>The embankment</b>	Shrubs or trees have started to grow on the embankment.	Remove shrubs and trees immediately
	Evidence of muskrat or beaver activity is present	Use traps to remove muskrats and consult a professional to remove the beavers

Project:  
Date:



	Signs of seepage on the downstream face.	Consult a professional
	Grass cover is unhealthy or eroding	Restore the health of the grass cover.
	Annual inspection by an appropriate professional, shows that the embankment needs repair	Make all needed repairs
<b>Outlet device</b>	Clogging has occurred	Clean out the outlet device. Dispose of the sediment properly, and off site.
	The outlet device is damaged	Repair or replace the outlet device
<b>Receiving water</b>	Erosion or other signs of damage have occurred at the outlet	Contact Guilford County Stormwater/Watershed Section

The measuring device used to determine the sediment elevation shall be such that it will give accurate depth reading and not readily penetrate into accumulated sediments.



When the permanent pool depth reads \_\_\_\_\_ ft in the main pond, the sediment shall be removed.

When the permanent pool depth reads \_\_\_\_\_ ft in the forebay, the sediment shall be removed

Basin Diagram

Project:  
Date:



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I acknowledge and agree by my signature below that I am responsible for the performance of the maintenance procedures listed above. I agree to notify Guilford County Planning and Development Department, Stormwater & Watershed Section of any problems with the system or prior to any changes to the system or responsible party.

Project Name: \_\_\_\_\_

SCM ID: \_\_\_\_\_

Property Owner: \_\_\_\_\_

Authorized Signer  
for Property Owner  
(Print Name & Title): \_\_\_\_\_

Address: \_\_\_\_\_

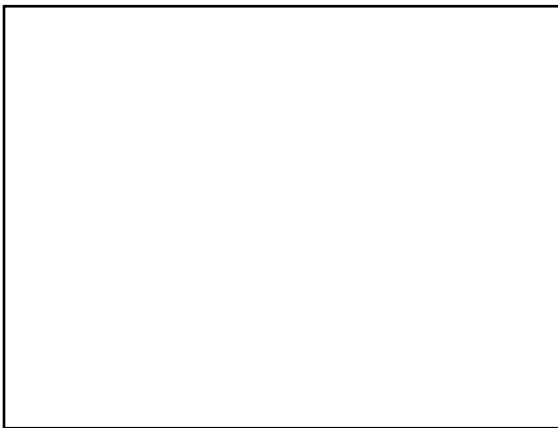
Phone: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Note: the legally responsible party should not be a Homeowners Association unless more than 50% of the lots have been sold and a resident of the subdivision has been named president.

I, \_\_\_\_\_, a Notary Public for the State of \_\_\_\_\_,  
County of \_\_\_\_\_, do hereby certify that \_\_\_\_\_ personally  
appeared before me this day of \_\_\_\_\_, \_\_\_\_\_, and acknowledge the due execution of the  
forgoing dry detention basin maintenance requirements. Witness my hand and official seal,



SEAL

My commission expires: \_\_\_\_\_