

ADDENDUM _____
WET POND. FORMERLY WET DETENTION BASIN
STORMWATER CONTROL MEASURES
MINIMUM MAINTENANCE AGREEMENT

Project Name: _____

After the wet detention pond is established, it should be inspected quarterly and within 24 hours after every storm event greater than 1.0 inches. Records of operation and maintenance should be kept in a known set location and must be available upon request.

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 wet pond system is defined as the detention basin, pretreatment including forebays and the vegetated filter if one is provided.

This system:

- | | | |
|---|------------------------------|-----------------------------|
| Incorporates a vegetated filter at the outlet
(check one) | <input type="checkbox"/> YES | <input type="checkbox"/> NO |
| Incorporates pretreatment other than a forebay
(check one) | <input type="checkbox"/> YES | <input type="checkbox"/> NO |

Important operation and maintenance procedures:

- Immediately after the wet pond is established, the plants on the vegetated shelf and perimeter of the basin should be watered twice weekly if needed, until the plants become established (commonly six weeks).
- No portion of the wet pond should be fertilized after the first initial fertilization that is required to establish the plants on the vegetated shelf.
- Stable groundcover should be maintained in the drainage area to reduce the sediment load to the wet pond basin.
- If the basin must be drained for an emergency or to perform maintenance, the flushing of sediment through the emergency drain should be minimized to the maximum extent practical.
- Once a year, a dam safety expert should inspect the embankment.

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

SCM element:	Potential problem:	How I will remediate the problem:
The entire SCM	Trash/debris is present.	Remove the trash/debris.
The perimeter of the wet detention basin	Areas of bare soil and/or erosive gullies have formed.	Regrade the soil if necessary to remove the gully, and then plant a ground cover and water until it is established. Provide lime and a one-time fertilizer application.
	Vegetation is too short or too long.	Maintain vegetation at a height of approximately six inches.
The inlet device: pipe or swale	The pipe is clogged.	Unclog the pipe. Dispose of the sediment off-site or in an area that will not impact streams or the SCM
	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.
The forebay	Sediment has accumulated to a depth greater than the original design depth for sediment storage.	Search for the source of the sediment and remedy the problem if possible. Remove the sediment and dispose of it in a location where it will not cause impacts to streams or the SCM.
	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 the weeds, preferably by hand. If herbicide is used, wipe it on the plants rather than spraying.
The vegetated shelf	Best professional practices show that pruning is needed to maintain optimal plant health.	Prune according to best professional practices
	Plants are dead, diseased or dying.	Determine the source of the problem: soils, hydrology, disease, etc. Remedy the problem and replace plants. Provide a one-time fertilizer application to establish the ground cover if a soil test indicates it is necessary.
	Weeds are present.	Remove the weeds, preferably by hand. If herbicide is used, wipe it on the plants rather than spraying.

SCM element:	Potential problem:	How I will remediate the problem:
The main treatment area	Sediment has accumulated to a depth greater than the original design sediment storage depth.	Search for the source of the sediment and remedy the problem if possible. Remove the sediment and dispose of it in a location where it will not cause impacts to streams or the SCM.
	Algal growth covers over 50% of the area.	Consult a professional to remove and control the algal growth.
	Cattails, phragmites or other invasive plants cover 50% of the basin surface.	Remove the plants by wiping them with herbicide (do not spray).
The embankment	Shrubs have started to grow on the embankment.	Remove shrubs immediately.
	Evidence of muskrat or beaver activity is present.	Use traps to remove muskrats and consult a professional to remove beavers.
	A tree has started to grow on the embankment.	Consult a dam safety specialist to remove the tree.
	An annual inspection by an appropriate professional show that the embankment needs repair. (if applicable)	Make all needed repairs.
The outlet device	Clogging has occurred.	Clean out the outlet device. Dispose of the sediment off-site.
	The outlet device is damaged	Repair or replace the outlet device.
The receiving water	Erosion or other signs of damage have occurred at the outlet.	Contact the local NC Division of Water Quality Raleigh Regional Office, or the 401 Oversight Unit at 919-807-6300.

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

I, _____, hereby acknowledge that I am the financially responsible party for maintenance of this SCM. I will perform the maintenance as outlined above, in compliance with the requirements of the Town of Spring Lake's Phase II MS4 Stormwater Ordinance and the latest version of the NCDEQ Stormwater Design Manual

Signature: _____ Date: _____

STATE OF NORTH CAROLINA
COUNTY OF _____

I, _____, a Notary Public of _____ County, in the State of North Carolina, do hereby certify that _____ personally appeared before me this day and acknowledged the execution of the foregoing instrument.

Witness my hand and seal, this _____ day of _____, 20_____.

(SEAL)

Notary Public

My Commission Expires: _____