

ADDENDUM \_\_\_\_\_  
 UNDERGROUND DETENTION SYSTEM  
 STORMWATER BEST MANAGEMENT PRACTICE  
 MINIMUM MAINTENANCE MEASURES

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

I will keep a maintenance record on this BMP. This maintenance record will be kept in a log in a known set location. Any deficient BMP 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 BMP.

Important operation and maintenance procedures:

- The drainage area will be carefully managed to reduce the sediment load to the underground facility.
- Once a year the underground facility will be thoroughly inspected for structural issues.
- Sediment must be removed from the pipe/vault system when the sediment accumulation depth is \_\_\_\_\_ inches or greater at any point within the storage pipe/vault.

The underground detention system will be inspected **quarterly and within 24 hours after every storm event greater than 1.0 inches**. Records of operation and maintenance will 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.

<b>BMP element:</b>	<b>Potential problem:</b>	<b>How I will remediate the problem:</b>
<b>The entire BMP</b>	Trash/debris is present.	Remove the trash/debris.
<b>The inlet device</b>	The inlet pipe is clogged.	Unclog the pipe. Dispose of the sediment off-site.
	The pipe is cracked or otherwise damaged (if applicable).	Replace the pipe.
	The structure is damaged.	Make any necessary repairs or replace if damage is too large for repair.
<b>The underground vaults/pipes</b>	Sediment accumulation of ___ inches or more at any point within the storage pipe/vault.	Remove sediment.
	Significant seepage or settlement accompanied by cracking within a small area of the vault/pipe system.	Retain assistance of a civil or geotechnical engineer qualified in the design of underground detention systems.

<b>BMP element:</b>	<b>Potential problem:</b>	<b>How I will remediate the problem:</b>
<b>The underground vaults/pipes (continued)</b>	Interior wall of pipe/vault shows signs of improper joint alignment (sagging), elongation and displacement of joints, cracks, leaks, surface water, surface wear, loss of protective coating, corrosion and blocking.	Retain assistance of a civil or geotechnical engineer qualified in the design of underground detention systems.
<b>The outlet device</b>	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 outflow pipe is clogged.	Provide additional erosion protection such as reinforced turf matting or riprap if needed to prevent future erosion problems.
	The outflow pipe is damaged.	Repair or replace the pipe.
<b>The receiving water</b>	Erosion or other signs of damage have occurred at the outlet.	Contact the NC Division of Water Quality Raleigh Regional Office, or the 401 Oversight Unit at 919-807-6300.

I, \_\_\_\_\_, hereby acknowledge that I am the financially responsible party for maintenance of this stormwater BMP. I will perform the maintenance as outlined above, in compliance with the requirements of the Town of Spring Lake's Phase II Stormwater Ordinance.

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: \_\_\_\_\_