

ADDENDUM _____
GREEN ROOF
STORMWATER CONTROL MEASURES
MINIMUM MAINTENANCE AGREEMENT

Project Name: _____

The Green Roof SCM (formerly the Rooftop Runoff Management System) will be inspected once a quarter 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 to the Town of Spring Lake Stormwater Administrator 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.

Important operation and maintenance procedures:

- The plants will be watered during extended periods of dry weather.
- Fertilize only once per year as long as the rooftop runoff system is not intended for nutrient removal.

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

SCM Element	Potential Problem	How to remediate the problem:
The plant materials	Weeds are present.	Remove the weeds by hand. For repeat growth of the same weed, systemic weed killer may be applied to the single plant using a Q-tip or paint brush. In no case should weed killer be sprayed.
	Plants are dead, diseased or dying	Determine the source of the problem: soils, hydrology, disease, etc. Remedy the problem and replace plants. An alternative species may be required.
The growing media	Ponding occurs after the first few rain events.	If not washed before mixing and installation, some aggregates may create a thin surface crust. The crust may be removed by light tilling and should not recur. If it does, consult with the supplier.
	Persistent ponding occurs.	Check the particle size distribution of a sample(s) from the area susceptible to ponding. The sample should be representative of the full substrate depth. If particles less than 1 mm diameter exceed 5% by mass, excessive fine particulates are likely the problem. Consult the supplier. The media may need to be replaced.
	Substantial loss of material over time.	Can result because of excessive organic matter (>20% by volume) in the media. Check with consultant to assess whether reduced media depth compromises stormwater retention, and hence permit compliance. Check with horticultural consultant regarding implications on plant health. Plants should not be sustained by regular fertilizer addition. If needed (and feasible), amend with additional media.
Gutters, drains and spouts	Clogging has occurred.	Remove leaves, debris, and other foreign matter and dispose of in a manner that will not impact streams or the SCM. Inspect permeable edging and clear if needed.
	Damage has occurred.	Repair or replace the damaged conveyances.

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: _____