

**STORMWATER OPERATION AND MAINTENANCE
AGREEMENT**

Project Name:

Project Number:

BMP ID:

PIN Number:

Mail after recording to: Henderson County Water Quality:
100 N. King Street, Suite 118
Hendersonville, NC 28792

NORTH CAROLINA
HENDERSON COUNTY

This STORMWATER OPERATION AND MAINTENANCE AGREEMENT, made this day

_____ of _____, 20 _____ by

_____ whose principal address is

with, to, and for the benefit of Henderson County, a body corporate and politic and duly organized and existing under the laws of the State of North Carolina, whose address is 100 N. King Street, Suite 118, Hendersonville, NC 28792.

Permeable Pavement Operation and Maintenance Agreement

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: – Stable groundcover will be maintained in the drainage area to reduce the sediment load to the permeable pavement. – The area around the perimeter of the permeable pavement will be stabilized and mowed, with clippings removed. – Any weeds that grow in the permeable pavement will be sprayed with pesticide

Immediately. Weeds will not be pulled, since this could damage the fill media. – Once a year, the permeable pavement surface will be vacuum swept. – At no time shall wet sweeping (moistening followed by sweeping) be allowed as a means of maintenance.

– There shall be no repair or treatment of Permeable Pavement surfaces with other types of pavement surfaces. All repairs to Permeable Pavement surfaces must be accomplished utilizing permeable pavement which meets the original pavement specifications.

– Concentrated runoff from roof drains, piping, swales or other point sources, directly onto the permeable pavement surface shall not be allowed. These areas must be diverted away from the permeable pavement.

Initial Inspection: Permeable Pavements shall be inspected monthly for the first three months for the following:

| BMP element: | Potential problem: | How to remediate the problem: |
|--|--|--|
| The perimeter of the permeable pavement | Areas of bare soil and/or erosive gullies have formed. | In the event that rutting or failure of the groundcover occurs, the eroded area shall be repaired immediately and permanent groundcover re-established. Appropriate temporary Erosion Control measures (such as silt fence) shall be installed in the affected area during the establishment of permanent groundcover, and any impacted area of permeable pavement is to be cleaned via vacuum sweeping. |

| BMP element: | Potential problem: | How to remediate the problem: |
|--|--|---|
| The surface of the permeable pavement | Rutting / uneven settlement | This indicates inadequate compaction of the pavement base / sub-base. If rutting or uneven settlement on the order of ½ inch or greater occurs, permeable pavement shall be removed and base / sub-base re-compacted, smoothed, and permeable pavement shall then be re-installed. Base and sub-base compaction shall be monitored by a licensed geotechnical engineer to ensure that infiltration capacity of base and sub-base are not compromised by compaction and smoothing processes. |
| | The pavement does not dewater between storms, or water is running off. | Vacuum sweep the pavement. If the pavement still does not dewater, consult a professional. |

The permeable pavement 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 upon request.

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

| BMP element: | Potential problem: | How to remediate the problem: |
|--|---|---|
| The perimeter of the permeable pavement | 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 3 to 6 inches (remove clippings). |
| The surface of the permeable pavement | Trash/debris is present. | Remove the trash/debris. |
| | Weeds are growing on the surface of the permeable pavement. | Do not pull the weeds (may pull out media as well). Spray them with herbicide. |
| | Sediment is present on the surface. | Vacuum sweep the pavement. |
| | The pavement is deteriorating or damaged. | Consult an appropriate professional. Damaged areas of the pavement shall be removed and repaired. |
| | The pavement does not dewater between storms. | Vacuum sweep the pavement. If the pavement still does not dewater, consult a professional. Permanently clogged pavement shall be removed and repaired. |

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 Henderson County of any problems with the system or prior to any changes to the system or responsible party.

Project name: _____

BMP drainage area number: _____

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 the 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 operation and maintenance requirements. Witness my hand and official seal,

SEAL My commission

expires