

POUROUS PAVEMENT

Maintenance Requirements

Regular inspection and maintenance is critical to the effective use of porous pavement as a storm water best management practice. It is the responsibility of the property owner to maintain all storm water facilities in accordance with the minimum design standards and other guidance provided in this manual. The Village Engineer has the authority to impose additional maintenance requirements where deemed necessary.

This page provides guidance on maintenance activities that are typically required for porous pavement, along with a suggested frequency for each activity. Individual porous pavement applications may have more, or less, frequent maintenance needs, depending upon a variety of factors including traffic loads, the occurrence of large storm events, overly wet or dry (i.e., drought) regional hydrologic conditions, and any changes or redevelopment in the upstream land use. Each property owner shall perform the activities identified below at the frequency needed to maintain porous pavement properly at all times.

Inspection Activity	Suggested Schedule
<ul style="list-style-type: none"> • Ensure that the porous pavement surface is free of sediment and debris (e.g., mulch, leaves, trash, etc.). • Ensure that the contributing area upstream of the porous pavement surface is free of sediment and debris. 	As Needed
<ul style="list-style-type: none"> • Check to make sure that the porous pavement dewaterers between storms. 	Monthly
<ul style="list-style-type: none"> • Inspect the surface for structural integrity. Inspect for evidence of deterioration or spalling. 	Annually
Maintenance Activities	Suggested Schedule
<ul style="list-style-type: none"> • Ensure that contributing area and porous pavement surface are clear of debris (e.g., mulch, leaves, trash, etc.). • Ensure that the contributing and adjacent area is stabilized and mowed, with clippings removed. 	As needed, based on inspection
<ul style="list-style-type: none"> • Vacuum sweep porous pavement surface to keep free of sediment. 	Typically three to four times per year
<ul style="list-style-type: none"> • Replace the porous pavement, including the top and base course, as needed. 	Upon failure

The Village of Menomonee Falls encourages the use of the inspection checklist presented below for guidance in the inspection and maintenance of porous pavement. The Director can require the use of this checklist or other form(s) of maintenance documentation when and where deemed necessary in order to ensure the long-term proper operation of the unit. Questions regarding inspection and maintenance should be referred to the The Village of Menomonee Falls Engineering Department.

Village of Menomonee Falls
 W156 N8480 Pilgrim Road
 Menomonee Falls, WI 53051-3140
 Telephone: (262) 532-4200

**STORMWATER MANAGEMENT FACILITIES
 OPERATION AND INSPECTION REPORT
 POUROUS PAVEMENT**

Quarter Section SW ¼ Sec 26 Name of Business/Subdivision Shecterle Commercial Properties 6
 Property Tax ID Number 0103-983 Address of Property PO Box 1205
Brookfield, WI 53005

Location of Device North parking area in front of Building A & future Building B
 Year Constructed 2008 Last Certification Q2 2014

Owner Change since last inspection? Y N
 Owner Name, Address, Phone: Brian Shecterle, (262) 227-9032

Date: 10/30/2014 Time: 8:05AM Site conditions: 42 F, Cloudy

Inspection Items	Satisfactory (S) or Unsatisfactory (U)	Comments/Corrective Action
Signs of clogging (e.g., standing water)?	S	No visible signs of standing water found in low areas.
Debris (mulch, trash) accumulation?	S	None observed.
Sediment accumulation?	S (Action Recommended)	Small amounts of surface wear sediment present in low areas and along curb pans. Routine sweeping is recommended.
Standing water?	S	None observed.
Erosion from underdrain (if present)?	S	Not visible from surface.
Exposed soil in areas discharging or adjacent to the porous pavement area?	S	All landscaped areas are stable with decorative rock used in planting beds. Settlement has occurred between the curbs and sidewalks.
Runoff discharge from pavement area 24 to 48 hours after the end of a storm event?	S	No ponding observed by owner or tenants at this time.
Snow Removal Practices?	S	Not applicable at this time.
Other (describe)?		
Hazards		
Have there been complaints from public?	S	None known.
Public hazards noted?	S	None.

If any of the above inspection items are **UNSATISFACTORY**, list corrective actions and the corresponding completion dates below:


Corrective Action Needed	Due Date
Sweep pavement areas.	12/31/2014

<p>Sketch Outlet</p> <p>See attached site photo log.</p>	<p>Photograph of Pond</p> <p>See attached photo log.</p>
	<p>Photograph of Pond</p> <p>See attached photo log.</p>

Inspection Firm: One Source Consulting
Phone Number: (262) 781-9005
Address: 19435 W. Capitol Drive
Brookfield, WI 53045

Inspector Name: Craig Donze, PE
Inspection Date: 10/30/2014

Certifying
Professional Name: Craig Donze, PE
Phone Number: (262) 781-9005

<p>Date: 10/30/2014</p>	<p>Signature: </p>
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**Pilgrim Spring Market Place
POUROUS PAVEMENT – Photo Log**

Photos taken: 10/30/2014 (Fall inspection)

Photo #1: Outfall channel flow clear. Vegetation has accumulated at endwall.



Photo #2: Minor surface spalling is present along the asphalt/concrete joint at numerous locations throughout the parking areas.



Photo #3: No debris observed at low points in concrete parking areas.



Photo #4: Minor vehicle fluid staining was observed within concrete parking areas.



Photo #5: Minor settlement was observed within the interior parking lot landscape areas.



Photo #6: Delivery trucks should be minimized on the porous concrete areas to prolong service life.



Photo #7: No debris observed at low points in concrete parking areas.



Photo #8: Minor surface spalling is present along the asphalt/concrete joint at numerous locations throughout the parking areas.



Photo 9: Minor surface spalling is present along the asphalt/concrete joint at numerous locations throughout the parking areas.



Photo 10: Minor surface spalling is present along the asphalt/concrete joint at numerous locations throughout the parking areas.



Photo 11: Minor settlement was observed within the interior parking lot landscape areas.



Photo 12: Minor surface spalling is present along the asphalt/concrete joint at numerous locations throughout the parking areas.

