

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

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.• Check to make sure that the porous pavement dewateres between storms.• Inspect the surface for structural integrity. Inspect for evidence of deterioration or spalling.	As Needed
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.• Vacuum sweep porous pavement surface to keep free of sediment.• Replace the porous pavement, including the top and base course, as needed.	As needed, based on inspection
	Typically three to four times per year
	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.

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

Quarter Section	<u>SW 1/4 Sec 26</u>	Name of Business/Subdivision	<u>Shecterle Commercial Properties 6</u>
Property Tax ID Number	<u>0103-983</u>	Address of Property	<u>PO Box 1205</u> <u>Brookfield, WI 53005</u>

Location of Device	North parking area in front of Building A & future Building B
Year Constructed	<u>2008</u> Last Certification <u>Q4 2014</u>

Owner Change since last inspection? Y N

Owner Name, Address, Phone: Brian Shecterle, (262) 227-9032

Date: 04/29/2014 Time: 8:15AM Site conditions: 42 F, Cloudy and light drizzle

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 (Action Recommended)	Trash visible in outflow channel.
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.
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.	<u>06/01/2014</u>
Remove debris from outfall channel.	<u>05/15/2014</u>

Sketch Outlet See attached site photo log.	Photograph of Pond See attached photo log.
	Photograph of Pond See attached photo log.

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: 04/29/2014

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

Date: <u>04/29/2014</u>	Signature: 
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**Pilgrim Spring Market Place
POUROUS PAVEMENT – Photo Log**

Photos taken: 04/29/2014(Spring inspection, +0.5" rainfall day before of inspection.)

Photo #1: Outfall channel flow clear. Debris pickup recommended.



Photo #2: Porous pavement in north parking field of east building. Minor surface wear visible.



Photo #3: Parking lawn areas showing signs of settlement behind curbs and adjacent to walkways.



Photo #4: Porous pavement in north parking field of west building. Minor surface wear visible.



Photo #5: Porous pavement in south parking field of west building. Minor surface wear visible.



Photo #6: Parking lawn areas showing signs of settlement behind curbs and adjacent to walkways.

