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

265005

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

Quarter Section SW 1/4 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 Q4 2009

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

Date: 12/27/2011 Time: 11:30AM Site conditions: 40 F and Cloudy

Inspection Items	Satisfactory (S) or Unsatisfactory (U)	Comments/Corrective Action
Signs of clogging (e.g., standing water)?	S	A section of pavement was replaced after being found out of specification at the time of placement. No standing water found in low areas.
Debris (mulch, trash) accumulation?	S	None observed.
Sediment accumulation?	S	Some environmental sediment present in low areas. Routine sweeping recommended.
Standing water?	S	None observed.
Erosion from underdrain (if present)?	S	None observed.
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 following rainfall events.
Other (describe)?		
Other (describe)?		
<b>Hazards</b>		
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

<b>Sketch Outlet</b>  See site construction plans.	<b>Photograph of Pond</b>  See attached photo log.
	<b>Photograph of Pond</b>  See attached photo log.

Inspection Firm: One Source Consulting  
Phone Number: (414) 462-9005  
Address: 11805 W. Hampton Ave.  
Milwaukee, WI 53225

Inspector Name: Craig Donze, PE  
Inspection Date: 12/27/2011

Certifying  
Professional Name: Craig Donze, PE  
Phone Number: (414) 462-9005

Date: <u>12/27/2011</u>	Signature: <u></u>
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**Pilgrim Spring Market Place  
POUROUS PAVEMENT – Photo Log**

Photos taken: 12/27/2011 (No measureable rainfall or snow requiring salt application, no plowing)



Photo #1: 12" Outfall Structure (looking south and end wall)



Photo #2: 12" Outfall Structure (looking north at berm opening and unnamed tributary to Lilly Creek)



Photo #3: Outfall Structure Manhole Lids



Photo #4: North chamber of outfall structure with sand bag filter (good water quality)



Photo #5: South chamber of outfall structure (sand bags in good condition)



Photo #6: 12" Underdrain collection chamber very bgood water quality)



Photo #7: Porous Pavement – looking south at west side of parking area east of Building A (crack mid slab - good condition)



Photo #8: Porous Pavement – looking east at north side of center parking area (area of pavement replacement - good condition)



Photo #9: Porous Pavement – looking west at north side of parking area north of main drive aisle and south of future Building B (good condition)



Photo #10: Porous Pavement – looking south at the low point for the area along the north side of the main drive aisle and in front of Building A (good condition)



Photo #11: Porous Pavement – looking south at east side of Building A parking area (good condition)



Photo #12: Porous Pavement – looking east at south parking area in front of Building A where the pavement was replaced due to material defects. (good condition)



Photo #13: Porous Pavement – looking at the low point in the portion of pavement replaced due to material defect on the north side of the parking area in front of Building A (good condition)

**CRAIG DONZE, PE**  
LEED AP+BD+C



PRINCIPAL

Construction Minded | Value Sensitive | Civil Engineers

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## 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"><li>• Ensure that the porous pavement surface is free of sediment and debris (e.g., mulch, leaves, trash, etc.).</li><li>• Ensure that the contributing area upstream of the porous pavement surface is free of sediment and debris.</li><li>• Check to make sure that the porous pavement dewater between storms.</li><li>• Inspect the surface for structural integrity. Inspect for evidence of deterioration or spalling.</li></ul>	As Needed
<b>Maintenance Activities</b>	<b>Suggested Schedule</b>
<ul style="list-style-type: none"><li>• Ensure that contributing area and porous pavement surface are clear of debris (e.g., mulch, leaves, trash, etc.).</li><li>• Ensure that the contributing and adjacent area is stabilized and mowed, with clippings removed.</li><li>• Vacuum sweep porous pavement surface to keep free of sediment.</li><li>• Replace the porous pavement, including the top and base course, as needed.</li></ul>	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.