

Village of Menomonee Falls
 W156N8480 Pilgrim Rd
 Menomonee Falls WI 53051
 (262) 532-4200

**Stormwater Management Facilities
 Operation and Inspection Report
 Porous Pavement**

Name of Business/Subdivision:

Quarter Section: NW 1/4 AND SW 1/4
 SEC. 36 T8N, R20E

Property Tax ID Number: MNFV 0143.999.011

Location of Device: Southwest parking area
 Year Constructed: 2020 Last Certification: NA
 Owner Change since last Inspection? Y / N
 Owner Name, Address, Phone: _____

Date: 12/23/2020 Time: 11:00 am Site Conditions: Dry-post rain event at approx. 8 am.

Inspection Items	Satisfactory (S) or Unsatisfactory (U)	Comments/Corrective Action
Signs of clogging (e.g., standing water)?	Satisfactory	
Debris (mulch, trash) accumulation?	Satisfactory	
Sediment accumulation?	Satisfactory	
Standing water?	Satisfactory	
Erosion from underdrain (if present)?	Satisfactory	
Exposed soil in areas discharging or adjacent to the porous pavement area?	Satisfactory	
Runoff discharge from pavement area 24 to 48 hours after the end of a storm event?	Satisfactory	
Snow Removal Practices?	Satisfactory	
Condition of filter media?	Satisfactory	
Other (describe)?		
Hazards		
Have there been complaints from public?	NONE	
Public hazards noted?	NONE	
If any of the above inspection items are UNSATISFACTORY, list corrective actions and the corresponding completion dates below:		
Corrective Action Needed	Due Date	
None		



Porous pavement areas drain into existing storm sewer system in Campbell Drive.

Inspection Firm: Ayres Associates
Phone Number: 262.523.4488
Address: 20975 Swenson Drive, Suite 200
Waukesha, WI 53186

Inspector Name: Austin Johrendt
Inspection Date: 12/23/2020

Certifying
Professional Name: Curtis Hulterstrum
Phone Number: 262.523.4488

Date: 12/29/2020 Signature: Curtis R. Hulterstrum



ASTM C 1701 Infiltration Rate of Pervious Concrete

$$I = KM/D^2t$$

I=Infiltration rate

K=Constant

126,870

A=Mass of 5 gallons of water in lbs

41.7

D=inside diameter or ring (5

gallon bucket) in inches

12

t=time in seconds

Test #	1 Gallon Infiltration		5 Gallon Infiltration	
	Time (secs)	Infiltration rate	Time (secs)	Infiltration rate
1	19.0	386 in/hr	30.0	1,225 in/hr
2	15.0	489 in/hr	30.1	1,221 in/hr
3	17.9	410 in/hr	22.6	1,626 in/hr
4	18.2	403 in/hr	22.1	1,662 in/hr

Average 1 gallon infiltration rate

422 in/hr

Average 5 gallon infiltration rate

1,433 in/hr

