



Rec 6-28-17

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

## STORMWATER MANAGEMENT FACILITIES OPERATION AND INSPECTION REPORT

Quarter Section  
Property Tax ID Number

MNFV00149  
83001

Name of Business/Subdivision

Qdoba Mexican Grill

Date \_\_\_\_\_

Address of Property

N95W18181 Appleton Avenue

Dry Pond	X
Wet Pond	
Other	

Location of  
Pond

North of Building

Pond ID: SWP4N008

Year Pond  
Constructed

2007

Year of Last  
Certification

???

Compliance Verification		Design	Actual	Compliant Yes	Comments ( Condition of Structure)
				No	
<b>Primary Outlet Pipe</b>					
Opening Diameter (inches)	12"	12"	X		
Upstream Invert	858	858.29	X		
Downstream Invert		857.42	X		HDPE – Good Condition
Length (feet)	45	45	X		
Slope (%)		1.9%	X		
<b>Secondary Outlet Pipe</b>		(If Applicable)			Outlet Pipe Material
Opening Diameter (inches)	NA				
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
<b>Riser</b>		(If Applicable)			Riser Material
Opening Diameter (inches)	Not Indicated	24"	X		
Elevation	861.50	861.98	X		Concrete Riser – Good Condition
<b>Upper Discharge Control</b>		(If Applicable)			
Opening Diameter (inches)	NA				
Elevation					

Compliance Verification	Design	Actual	Compliant Yes      No	Comments				
<b>Lower Discharge Control</b>	(If Applicable)							
Opening Diameter (inches)	NA							
Elevation	NA							
<b>Other (Description)</b>								
Opening Type and Size (inches)	NA							
Elevation	NA							
<b>Emergency Spillway</b>								
Elevation	862.5	862.57	X					
Length of spillway (feet)	15'	15'						
<b>Embankment</b>	Present Yes      no	Comments/Maintenance Requirements						
Unauthorized Plantings, trees, or woody vegetation	X	No vegetation established on bottom of basin. Recommend getting vegetation established.						
Animal burrows or slope erosion	X							
<b>Storm Sewer Outfalls</b>	Type & Size		Location		Comments			
Outfall 1	18"		East corner of basin		Good condition			
Outfall 2	6"		South side of basin		Good condition			
Outfall 3	6"		South Side of Basin		Good condition			
<b>Storage Properties</b>	Design	Actual	Compliant Yes      No	Not Applicable	Equipment Used			
Normal Water Elevation (Wet Ponds)	NA				GPS Equipment used			
Design High Water Elevation	861.5	861.98	X					
Area at Normal Water Elevation (Ac) (Wet Ponds)	NA							
Area at Design High Water Elevation (Ac)	0.056	0.066	X					
Active Storage Available (Ac-Ft)*	0.068	0.085	X					
Lowest Elevation at Top of Embankment (If Applicable)	862.5	862.57	X					
Average Elevation at Top of Embankment (If Applicable)	>863	>863	X					
Maximum Bottom Elevation	860.5	860.25	X					
Average Pond Bottom Elevation	860.5	860.5	X					
Pond Bottom Area (Ac)	0.035	0.048	X					
Maximum Pond Depth	1.0	1.48	X					
Average Pond Depth	NA							
Average Permanent Pool Depth (Wet Ponds)	NA							

\*To Determine Active Storage  $V=H/3(A1+A2+(A1 \times A2)/2)$

Wet Ponds Use  $H = \text{Height of Section}$ ,  $A1 = \text{area at normal water elevation}$ ,  $A2 = \text{area at top section}$

Dry Ponds Use  $H = \text{Height of Section}$ ,  $A1 = \text{pond bottom area}$ ,  $A2 = \text{area at top section}$

Sketch Outlet or Attach to Document

Place Photograph of Pond or Attach to Document

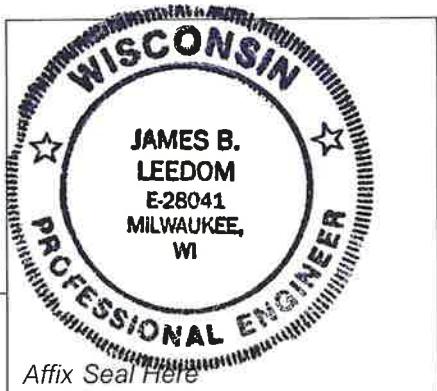
Place Photograph of Pond or Attach to Document

Attach As-built Survey to the Document for the first report submission

Inspection Firm: The Sigma Group, Inc.  
Phone Number: 414-643-4200  
Address: 1300 W. Canal Street  
Milwaukee, WI 53233

Inspector Name: James B. Leedom, P.E.  
Inspection Date: 4/10/17

Certifying Professional James B. Leedom, P.E.  
Name:  
Phone Number: 414-643-4200



Date:

6/20/17

Signature:

*jbz*

Affix Seal Here



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MNFI00149  
83001

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Qdoba Mexican Grill

Address of Property

N95W18181 Appleton Avenue

Date \_\_\_\_\_

Dry Pond	<input type="checkbox"/>
Wet Pond	<input type="checkbox"/>
Other	<input checked="" type="checkbox"/>

Location of  
Pond

Beneath Parking Lot South of  
Building

Pond ID: SWP4N022

Year Pond  
Constructed

2007

Year of Last  
Certification

????

Compliance Verification	Design	Actual	Compliant Yes	Comments ( Condition of Structure)
Primary Outlet Pipe	Outlet Pipe Material			
Opening Diameter (inches)	18"	18"	X	HDPE
Upstream Invert	862.99	863.19	X	
Downstream Invert	862.94	See Note		Could not open structure to get downstream invert
Length (feet)	10	10		
Slope (%)	0.50%	See note		
Secondary Outlet Pipe	(If Applicable)			
Opening Diameter (inches)	NA			Outlet Pipe Material
Upstream Invert				
Downstream Invert				
Length (feet)				
Slope (%)				
Riser	(If Applicable)			
Opening Diameter (inches)	NA			Riser Material
Elevation				
Upper Discharge Control	(If Applicable)			
Opening Diameter (inches)	Weir	See Note		
Elevation	866.70	See Note		Could not get downstream outlet control structure open to get measurements

Compliance Verification	Design	Actual	Compliant Yes      No	Comments	
<b>Lower Discharge Control</b>	(If Applicable)				
Opening Diameter (inches)	1.25"	See Note		Could not get downstream outlet control structure open to get measurements	
Elevation	862.94	See Note			
<b>Other (Description)</b>					
Opening Type and Size (inches)	NA				
Elevation					
<b>Emergency Spillway</b>					
Elevation	NA				
Length of spillway (feet)					
<b>Embankment</b>	Present Yes      no		Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation	NA				
Animal burrows or slope erosion	NA				
<b>Storm Sewer Outfalls</b>	Type & Size		Location		Comments
Outfall 1	NA				
Outfall 2					
Outfall 3					
<b>Storage Properties</b>	Design	Actual	Compliant Yes      No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	NA				Could not get outlet control structure open to get weir elevation
Design High Water Elevation	866.7	See note			
Area at Normal Water Elevation (Ac) (Wet Ponds)	NA				
Area at Design High Water Elevation (Ac)	NA				
Active Storage Available (Ac-Ft)*	0.16	0.16	X		
Lowest Elevation at Top of Embankment (If Applicable)	NA				
Average Elevation at Top of Embankment (If Applicable)	NA				
Maximum Bottom Elevation	862.99	863.19			
Average Pond Bottom Elevation	862.99	863.19			
Pond Bottom Area (Ac)	NA	NA			
Maximum Pond Depth	5	5			
Average Pond Depth	NA				
Average Permanent Pool Depth (Wet Ponds)	NA				

\*To Determine Active Storage  $V=H/3(A1+A2+(A1 \times A2)1/2)$

Wet Ponds Use  $H$  = Height of Section,  $A1$  = area at normal water elevation,  $A2$  = area at top section

Dry Ponds Use  $H$  = Height of Section,  $A1$  = pond bottom area,  $A2$  = area at top section

Sketch Outlet or Attach to Document

Place Photograph of Pond or Attach to Document

Place Photograph of Pond or Attach to Document

Attach As-built Survey to the Document for the first report submission

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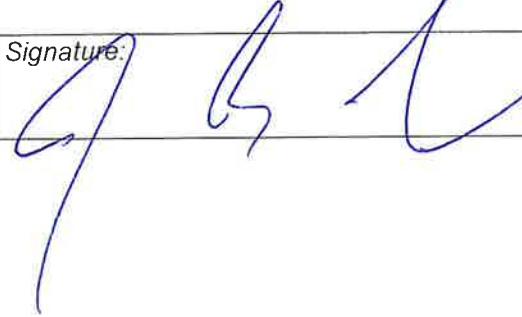
Inspector Name: James B. Leedom, P.E.  
Inspection Date: 4/10/17

Certifying Professional James B. Leedom, P.E.  
Name: \_\_\_\_\_  
Phone Number: 414-643-4200

Date:

6/20/17

Signature:





Affix Seal Here

10-3-2012



Pond I.D. #SWP4N008  
Looking northeast across basin.



Pond I.D. #SWP4N008  
Looking south across basin



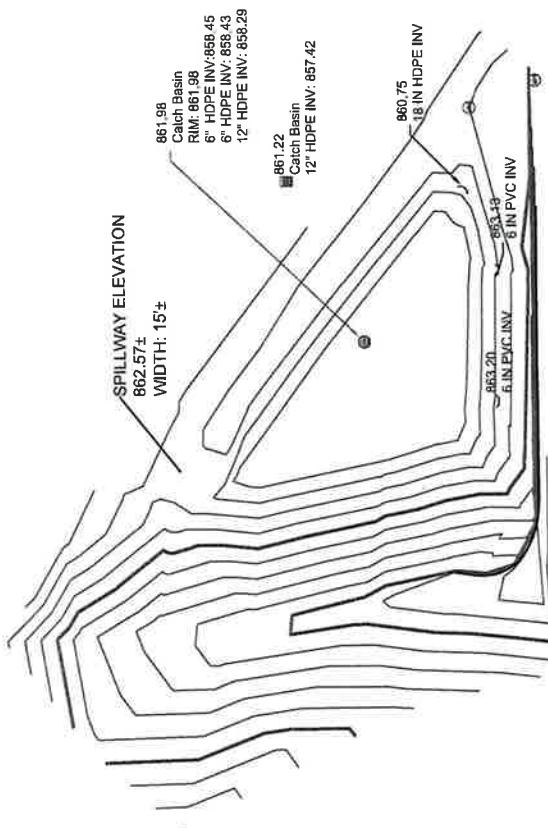
Pond I.D. #SWP4N008

Basin outlet control structure and basin bottom. Note lack of vegetation



Pond I.D. #SWP4N022

Underground detention chamber



*Underground Detention Chamber*

*Access Manhole*

*→ underground detention outlet control manhole. Catch not open.*



MENOMONIE FALLS QDOBA MENOMONIE FALLS, WI		TH <b>SIGMA</b> GROUP Single Source. Sound Solutions.	
www.thesigmaproject.com 1300 West Canal Street Milwaukee, WI 53223 Phone: 414-434-2100 Fax: 414-434-2120			
DATE: 08/07/2017	DRW: #	SCALE: 1=30'	16905 - Topo.dwg