



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 12 8N 20E Name of Business/Subdivision FAIRWAY VILLAGE
 Property Tax ID Number 0047081 Address of Property RIVER PARK DR
 Date 06/27/2017 MENOMONEE FALLS, WI

Dry Pond	
Wet Pond	X
Other	

Location of Pond SOUTH OF RIVER PARK DR

Pond ID: SWP 12S008

Year Pond Constructed 2007 Year of Last Certification 2012

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	12"	12"	X		
Upstream Invert	781.50	781.56	X		
Downstream Invert	781.46	781.26	X		
Length (feet)	23'	18.8'	X		
Slope (%)	1.6%	1.6%	X		
Secondary Outlet Pipe					
Opening Diameter (inches)	(If Applicable)				
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
Riser					
Opening Diameter (inches)	(If Applicable)				
Elevation					
Upper Discharge Control					
Opening Diameter (inches)	4"	4"	X		
Elevation	783.00	783.16	X		

Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	5.5"	6"	X			
Elevation	781.5	781.56	X			
Other (Description)						
Opening Type and Size (inches)						
Elevation						
Emergency Spillway						
Elevation	786.5	786.5	X			
Length of spillway (feet)	10'	10'	X			
Embankment	Present Yes no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation						
Animal burrows or slope erosion						
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1						
Outfall 2						
Outfall 3						
Storage Properties	Design	Actual	Compliant		Not Applicable	Equipment Used
			Yes	No		
Normal Water Elevation (Wet Ponds)	782.00	781.56	X			
Design High Water Elevation	785.9	785.9	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.09	0.1	X			
Area at Design High Water Elevation (Ac)	0.21	0.22	X			
Active Storage Available (Ac-Ft)*	0.41	0.43	X			
Lowest Elevation at Top of Embankment (If Applicable)						
Average Elevation at Top of Embankment (If Applicable)						
Maximum Bottom Elevation	781.00	781.00	X			
Average Pond Bottom Elevation	778.5	778.00	X			
Pond Bottom Area (Ac)	0.01	0.01	X			
Maximum Pond Depth	6'	6'	X			
Average Pond Depth	6'	6'	X			
Average Permanent Pool Depth (Wet Ponds)	6'	6'	X			

*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

SEE ATTACHED

Place Photograph of Pond or Attach to Document

SEE ATTACHED

Place Photograph of Pond or Attach to Document

SEE ATTACHED

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

Inspection Firm: PINNACLE ENGINEERING GROUP
Phone Number: 262-754-888
Address: 15850 W BLUEMOUND RD
SUITE 210
BROOKFIELD, WI, 53005

Inspector Name : AARON KOCH
Inspection Date: 06/06/2017

Certifying Professional Name: AARON KOCH
Phone Number: 262-754-8888

Date: 7/3/17

Signature: 









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STORMWATER MANAGEMENT FACILITIES OPERATION AND INSPECTION REPORT

Quarter Section 12 8N 20E Name of Business/Subdivision FAIRWAY VILLAGE
 Property Tax ID Number 0047080 Address of Property RIVER PARK DR
 Date 06/27/2017 MENOMONEE FALLS, WI

Dry Pond	
Wet Pond	X
Other	

Location of Pond NORTH OF RIVER PARK DR

Pond ID: SWP 12S009

Year Pond Constructed 2007 Year of Last Certification 2012

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	12"	12"	X		
Upstream Invert	785.00	785.13	X		
Downstream Invert	784.29	784.04	X		
Length (feet)	76'	70.9'	X		
Slope (%)	0.95%	1.5%	X		
Secondary Outlet Pipe					
Opening Diameter (inches)	(If Applicable)				
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
Riser					
Opening Diameter (inches)	(If Applicable)				
Elevation					
Upper Discharge Control					
Opening Diameter (inches)	6"	6"	X		
Elevation	787.05	787.38	X		

Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	4"	4"	X			
Elevation	785.00	785.13	X			
Other (Description)						
Opening Type and Size (inches)						
Elevation						
Emergency Spillway						
Elevation	790.5	790.5	X			
Length of spillway (feet)	10'	10'	X			
Embankment	Present Yes no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation						
Animal burrows or slope erosion						
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1						
Outfall 2						
Outfall 3						
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	785.00	785.13	X			
Design High Water Elevation	789.9	789.9	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.07	0.06	X			
Area at Design High Water Elevation (Ac)	0.20	0.22	X			
Active Storage Available (Ac-Ft)*	0.47	0.45	X			
Lowest Elevation at Top of Embankment (If Applicable)						
Average Elevation at Top of Embankment (If Applicable)						
Maximum Bottom Elevation	784.00	784.00	X			
Average Pond Bottom Elevation	782.00	782.00	X			
Pond Bottom Area (Ac)	0.01	0.01	X			
Maximum Pond Depth	5'	5.2'	X			
Average Pond Depth	5'	5'	X			
Average Permanent Pool Depth (Wet Ponds)	5'	5'	X			

*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

<p>Sketch Outlet or Attach to Document</p> <p>SEE ATTACHED</p>	<p>Place Photograph of Pond or Attach to Document</p> <p>SEE ATTACHED</p>
	<p>Place Photograph of Pond or Attach to Document</p> <p>SEE ATTACHED</p>

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

Inspection Firm:	<u>PINNACLE ENGINEERING GROUP</u>	Inspector Name :	<u>AARON KOCH</u>
Phone Number:	<u>262-754-8888</u>	Inspection Date:	<u>06/06/2017</u>
Address:	<u>15850 W BLUEMOUND RD</u>		
	<u>SUITE 210</u>		
	<u>BROOKFIELD, WI, 53005</u>		

Certifying Professional AARON KOCH
 Name:
 Phone Number: 262-754-8888



<p>Date:</p> <p><u>7/3/17</u></p>	<p>Signature:</p> <p><u><i>Aaron Koch</i></u></p>
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