



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  
Date 12-03-2021

SE 1/4 SEC 22 Name of Business/Subdivision FOX MEADOW  
Address of Property \_\_\_\_\_  
\_\_\_\_\_

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

Pond ID: SWP22S003  
\_\_\_\_\_

Location of  
Pond

OUTLOT 7  
\_\_\_\_\_

Year Pond  
Constructed 2016

Year of Last  
Certification 2016

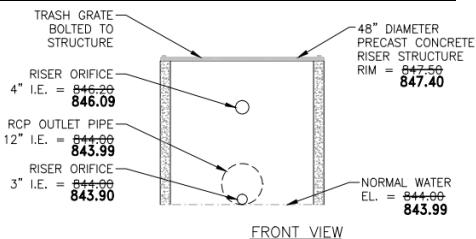
Compliance Verification	Design	Actual	Compliant Yes	No	Comments ( Condition of Structure)
<b>Primary Outlet Pipe</b>					Outlet Pipe Material
Opening Diameter (inches)	12	12	X		Reinforced concrete pipe
Upstream Invert	844.00	843.99	X		Good Condition
Downstream Invert	843.70	843.62	X		
Length (feet)	36.7	36.7	X		
Slope (%)	0.80	1.01	X		
<b>Secondary Outlet Pipe</b>	(If Applicable)				Outlet Pipe Material
Opening Diameter (inches)	NA				NA
Upstream Invert	NA				
Downstream Invert	NA				
Length (feet)	NA				
Slope (%)	NA				
<b>Riser</b>	(If Applicable)				Riser Material
Opening Diameter (inches)	48	48	X		Precast concrete structure
Elevation	847.50	847.40	X		Good Condition
<b>Upper Discharge Control</b>	(If Applicable)				
Opening Diameter (inches)	4	4	X		Precast orifice
Elevation	846.20	846.09	X		Good Condition

Compliance Verification	Design	Actual	Compliant Yes      No		Comments	
<b>Lower Discharge Control</b>	(If Applicable)					
Opening Diameter (inches)	3	3	X		Concrete orifice Good Condition	
Elevation	842.50	842.53	X			
<b>Other (Description)</b>						
Opening Type and Size (inches)	NA	NA				
Elevation	NA	NA				
<b>Emergency Spillway</b>						
Elevation	848.00	848.08	X		Good Condition	
Length of spillway (feet)	20	20	X		Good Condition	
<b>Embankment</b>	Present Yes      No		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation		X				
Animal burrows or slope erosion		X				
<b>Storm Sewer Outfalls</b>	Type & Size		Location		Comments	
Outfall 1	30" RCP FES		E bank		Good Condition	
Outfall 2						
Outfall 3						
<b>Storage Properties</b>	Design	Actual	Compliant Yes      No	Not Applicable	Equipment Used	
Normal Water Elevation (Wet Ponds)	844.00	843.99	X		Trimble Total Station & GPS	
Design High Water Elevation	847.88	847.88	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.38	0.38	X			
Area at Design High Water Elevation (Ac)	0.61	0.62	X			
Active Storage Available (Ac-Ft)*	2.48	2.55	X			
Lowest Elevation at Top of Embankment (If Applicable)	849.00	848.99	X			
Average Elevation at Top of Embankment (If Applicable)	849.00	849.10	X			
Maximum Bottom Elevation	839.00	838.89	X			
Average Pond Bottom Elevation	839.00	838.98	X			
Pond Bottom Area (Ac)	0.17	0.17	X			
Maximum Pond Depth	10.0'	10.2'	X			
Average Pond Depth	10.0'	10.1'	X			
Average Permanent Pool Depth (Wet Ponds)	5.0'	5.0'	X			

\*To Determine Active Storage  $V=H/3(A1+A2+(A1xA2)/2)$

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

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

**Figure 1: Pond 5 As-built Structure Detail****Figure 3: Pond 5 Facing East****Figure 2: Pond 5 Outlet Structure****Figure 4: Pond 5 Facing Northwest**

Inspection Firm: TRIO ENGINEERING, LLC  
 Phone Number: 262-790-1480  
 Address: 4100 N. Calhoun Road  
Brookfield, WI 53005

Inspector Name : Daniel Scherer  
 Inspection Date: 12-01-2021

Certifying Professional

Name: Daniel Scherer  
 Phone Number: 262-790-1480

Date:  
12/03/21

Signature:

