



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 SE ¼ SEC 22 Name of Business/Subdivision FOX MEADOW  
Property Tax ID Number \_\_\_\_\_ Address of Property \_\_\_\_\_  
Date 12-03-2021 \_\_\_\_\_

Dry Pond	
Wet Pond	X
Other	

Location of Pond OUTLOT 3  
Pond ID: SWP22S008

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>				<b>Outlet Pipe Material</b>
Opening Diameter (inches)	12	12	X	Reinforced concrete pipe Good Condition
Upstream Invert	843.00	842.99	X	
Downstream Invert	842.35	842.30	X	
Length (feet)	50.2	50.2	X	
Slope (%)	1.30	1.37	X	
<b>Secondary Outlet Pipe</b>	(If Applicable)			<b>Outlet Pipe Material</b>
Opening Diameter (inches)	NA			NA
Upstream Invert	NA			
Downstream Invert	NA			
Length (feet)	NA			
Slope (%)	NA			
<b>Riser</b>	(If Applicable)			<b>Riser Material</b>
Opening Diameter (inches)	36	36	X	Precast concrete structure Fair Condition – Erosion observed around base of the outlet structure. Recommend filling around structure and stabilizing.
Elevation	845.70	845.64	X	
<b>Upper Discharge Control</b>	(If Applicable)			
Opening Diameter (inches)	NA	NA		
Elevation	NA	NA		

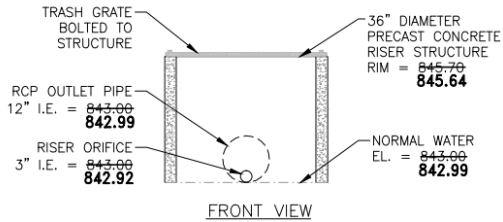
Compliance Verification	Design	Actual	Compliant Yes No		Comments	
<b>Lower Discharge Control</b>	(If Applicable)					
Opening Diameter (inches)	3	3	X		Concrete orifice	
Elevation	843.00	842.92	X		Good Condition	
<b>Other (Description)</b>						
Opening Type and Size (inches)	NA	NA				
Elevation	NA	NA				
<b>Emergency Spillway</b>						
Elevation	847.10	847.14	X		Good Condition	
Length of spillway (feet)	15	15	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	12" RCP FES		SE corner		Poor Condition – End Section undermined. Recommend filling under end section.	
Outfall 2	15" RCP FES		NE corner		Good Condition	
Outfall 3						
<b>Storage Properties</b>	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	843.00	842.74	X			Trimble Total Station & GPS
Design High Water Elevation	847.00	847.00	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.08	0.07	X			
Area at Design High Water Elevation (Ac)	0.23	0.24	X			
Active Storage Available (Ac-Ft)*	0.79	0.81	X			
Lowest Elevation at Top of Embankment (If Applicable)	848.10	848.05	X			
Average Elevation at Top of Embankment (If Applicable)	848.10	848.08	X			
Maximum Bottom Elevation	838.00	837.60	X			
Average Pond Bottom Elevation	838.00	837.98	X			
Pond Bottom Area (Ac)	0.01	0.01	X			
Maximum Pond Depth	10.1'	10.5'	X			
Average Pond Depth	10.1'	10.1'	X			
Average Permanent Pool Depth (Wet Ponds)	5.0'	5.0'	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

**Figure 1: Pond 2 Outlet Structure As-Built Detail**



**Figure 3: Pond 2 Facing South**



**Figure 2: Pond 2 Outlet Structure**



**Figure 4: Pond 2 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: Dan Scherer