



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	
Wet Pond	X
Other	

Location of  
Pond

OUTLOT 3

Pond ID:

SWP22S008

Year Pond  
Constructed

2016

Year of Last  
Certification

2016

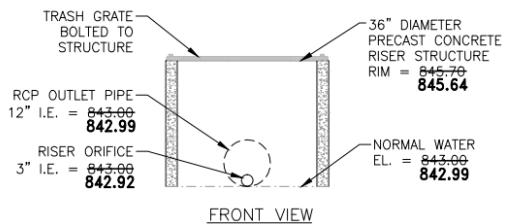
Compliance Verification		Design	Actual	Compliant Yes	No	Comments ( Condition of Structure)
<b>Primary Outlet Pipe</b>						Outlet Pipe Material
Opening Diameter (inches)		12	12	X		Reinforced concrete pipe
Upstream Invert		843.00	842.99	X		Good Condition
Downstream Invert		842.35	842.30	X		
Length (feet)		50.2	50.2	X		
Slope (%)		1.30	1.37	X		
<b>Secondary Outlet Pipe</b>		(If Applicable)				
Opening Diameter (inches)		NA				Outlet Pipe Material
Upstream Invert		NA				NA
Downstream Invert		NA				
Length (feet)		NA				
Slope (%)		NA				
<b>Riser</b>		(If Applicable)				
Opening Diameter (inches)		36	36	X		Riser Material
Elevation		845.70	845.64	X		Precast concrete structure
						Fair Condition – Erosion observed around base of the outlet structure. Recommend filling around structure and stabilizing.
<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 Good Condition
Elevation	843.00	842.92	X		
<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  $V=H/3(A1+A2+(A1xA2)1/2)$

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 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, LLCPhone Number: 262-790-1480Address: 4100 N. Calhoun RoadBrookfield, WI 53005Inspector Name : Daniel SchererInspection Date: 12-01-2021

Certifying Professional

Name: Daniel SchererPhone Number: 262-790-1480

Date:

12/03/21

Signature:

Affix Seal Here