



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: SWP22S007

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)	18	18	X	Reinforced concrete pipe
Upstream Invert	843.50	843.48	X	Good Condition
Downstream Invert	843.20	843.26	X	
Length (feet)	59.8	59.8	X	
Slope (%)	0.50	0.37	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	846.20	846.14	X	Good Condition
<b>Upper Discharge Control</b>	(If Applicable)			
Opening Diameter (inches)	6 (2)	6 (2)	X	Concrete orifice
Elevation	845.10	845.06	X	Good Condition

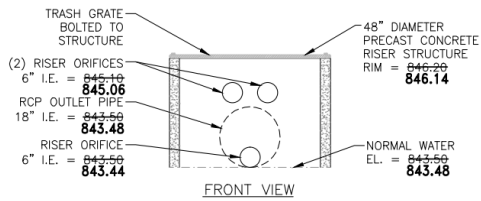
Compliance Verification	Design	Actual	Compliant Yes No		Comments	
<b>Lower Discharge Control</b>	(If Applicable)					
Opening Diameter (inches)	6	6	X		Concrete orifice	
Elevation	843.50	843.44	X		Good Condition	
<b>Other (Description)</b>						
Opening Type and Size (inches)	NA	NA				
Elevation	NA	NA				
<b>Emergency Spillway</b>						
Elevation	848.60	848.62	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	Several locations of minor slope erosion and animal burrow. Recommend filling and stabilizing eroded areas.			
Animal burrows or slope erosion	X					
<b>Storm Sewer Outfalls</b>	Type & Size		Location		Comments	
Outfall 1	30" RCP FES		SE corner		Good Condition	
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)	843.50	843.48	X			Trimble Total Station & GPS
Design High Water Elevation	848.54	848.54	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.37	0.37	X			
Area at Design High Water Elevation (Ac)	0.87	0.85	X			
Active Storage Available (Ac-Ft)*	4.03	4.00	X			
Lowest Elevation at Top of Embankment (If Applicable)	850.00	850.01	X			
Average Elevation at Top of Embankment (If Applicable)	850.00	850.03	X			
Maximum Bottom Elevation	837.50	837.35	X			
Average Pond Bottom Elevation	837.50	837.42	X			
Pond Bottom Area (Ac)	0.09	0.09	X			
Maximum Pond Depth	12.5'	12.7'	X			
Average Pond Depth	12.5'	12.6'	X			
Average Permanent Pool Depth (Wet Ponds)	6.0'	6.1'	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 3 As-built Structure Detail**



**Figure 3: Pond 3 Facing East**



**Figure 2: Pond 3 Outlet Structure**



**Figure 4: Pond 3 Facing West**

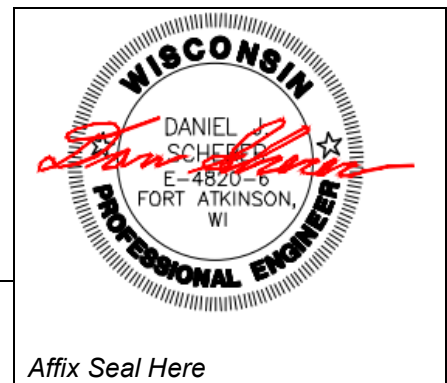


Inspection Firm: TRIO ENGINEERING, LLC  
 Phone Number: 262-790-1480  
 Address: 4100 N. Calhoun Road  
Brookfield, WI 53005

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

Certifying Professional

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



Date:  
**12/03/21**

Signature: