



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:

SWP22S002

Location of
Pond

OUTLOT 1

Year Pond
Constructed

2016

Year of Last
Certification

2016

Compliance Verification	Design	Actual	Compliant Yes	No	Comments (Condition of Structure)
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	14x23	14x23	X		Reinforced concrete pipe
Upstream Invert	844.00	843.97	X		Good Condition
Downstream Invert	843.80	843.88	X		
Length (feet)	32.7	32.7	X		
Slope (%)	0.60	0.28	X		
Secondary Outlet Pipe	(If Applicable)				Outlet Pipe Material
Opening Diameter (inches)	NA				NA
Upstream Invert	NA				
Downstream Invert	NA				
Length (feet)	NA				
Slope (%)	NA				
Riser	(If Applicable)				Riser Material
Opening Diameter (inches)	36	36	X		Precast concrete structure
Elevation	846.00	845.79	X		Good Condition
Upper Discharge Control	(If Applicable)				
Opening Diameter (inches)	12	12	X		Concrete weir
Elevation	845.50	845.37	X		Good Condition

Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	5	5	X		Concrete orifice Good Condition	
Elevation	844.00	843.80	X			
Other (Description)						
Opening Type and Size (inches)	NA	NA				
Elevation	NA	NA				
Emergency Spillway						
Elevation	847.65	847.65	X		Good Condition	
Length of spillway (feet)	15	15	X		Good Condition	
Embankment	Present Yes No		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation		X	One animal burrow observed along northwest bank. Recommend filling animal burrow.			
Animal burrows or slope erosion	X					
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1	12" RCP FES		W bank		Good Condition	
Outfall 2	15" RCP FES		SE corner		Good Condition	
Outfall 3						
Storage Properties	Design	Actual	Compliant Yes No	Not Applicable	Equipment Used	
Normal Water Elevation (Wet Ponds)	844.00	843.63	X		Trimble Total Station & GPS	
Design High Water Elevation	847.40	847.40	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.12	0.11	X			
Area at Design High Water Elevation (Ac)	0.23	0.23	X			
Active Storage Available (Ac-Ft)*	0.81	0.80	X			
Lowest Elevation at Top of Embankment (If Applicable)	848.65	848.53	X			
Average Elevation at Top of Embankment (If Applicable)	848.65	848.69	X			
Maximum Bottom Elevation	839.00	838.88	X			
Average Pond Bottom Elevation	839.00	838.97	X			
Pond Bottom Area (Ac)	0.02	0.02	X			
Maximum Pond Depth	9.7'	9.8'	X			
Average Pond Depth	9.7'	9.7'	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: Outlet Structure As-Built

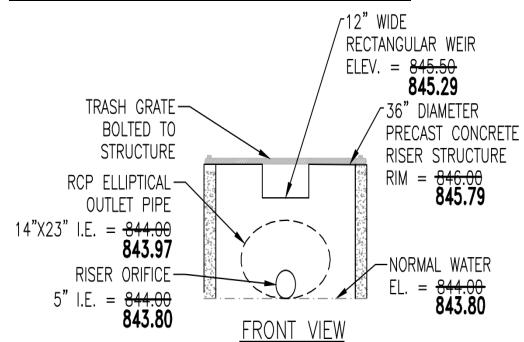


Figure 3: Pond 1 Facing East



Figure 2: Pond 1 Outlet Structure



Figure 4: Pond 1 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

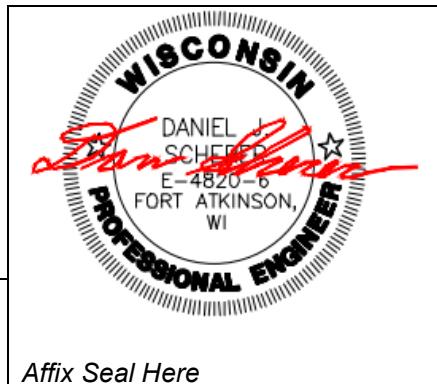
Phone Number: 262-790-1480

Date:

12/03/21

Signature:





Affix Seal Here