



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:

SWP22S007

Location of
Pond

OUTLOT 3

Year Pond
Constructed

2016

Year of Last
Certification

2016

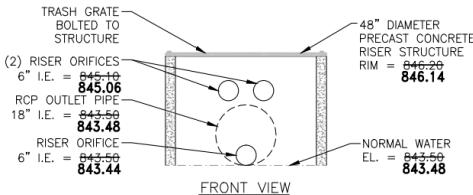
Compliance Verification		Design	Actual	Compliant Yes	No	Comments (Condition of Structure)
Primary Outlet Pipe						Outlet Pipe Material Reinforced concrete pipe Good Condition
Opening Diameter (inches)		18	18	X		
Upstream Invert		843.50	843.48	X		
Downstream Invert		843.20	843.26	X		
Length (feet)		59.8	59.8	X		
Slope (%)		0.50	0.37	X		
Secondary Outlet Pipe		(If Applicable)				
Opening Diameter (inches)		NA				Outlet Pipe Material NA
Upstream Invert		NA				
Downstream Invert		NA				
Length (feet)		NA				
Slope (%)		NA				
Riser		(If Applicable)				
Opening Diameter (inches)		48	48	X		Riser Material Precast concrete structure Good Condition
Elevation		846.20	846.14	X		
Upper Discharge Control		(If Applicable)				
Opening Diameter (inches)		6 (2)	6 (2)	X		Concrete orifice Good Condition
Elevation		845.10	845.06	X		

Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	6	6	X		Concrete orifice Good Condition	
Elevation	843.50	843.44	X			
Other (Description)						
Opening Type and Size (inches)	NA	NA				
Elevation	NA	NA				
Emergency Spillway						
Elevation	848.60	848.62	X		Good Condition	
Length of spillway (feet)	20	20	X		Good Condition	
Embankment	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					
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1	30" RCP FES		SE corner		Good Condition	
Outfall 2	15" RCP FES		NE corner		Good Condition	
Outfall 3						
Storage Properties	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 $V=H/3(A1+A2+(A1xA2)/2)$

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

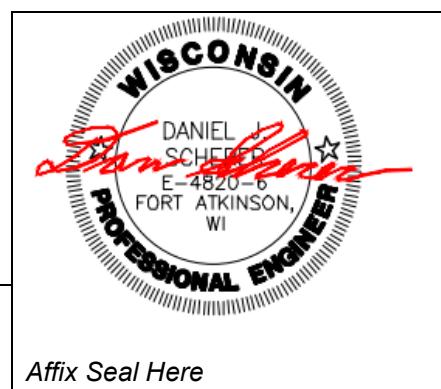
Dry Ponds Use $H = \text{Height of Section}$, $A1 = \text{pond bottom area}$, $A2 = \text{area at top section}$

Figure 1: Pond 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, LLCPhone Number: 262-790-1480Address: 4100 N. Calhoun Road
Brookfield, WI 53005Inspector Name : Daniel SchererInspection Date: 12-01-2021

Certifying Professional

Name: Daniel SchererPhone Number: 262-790-1480Date:
12/03/21

Signature:



Affix Seal Here