



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:

SWP22S005

Location of
Pond

OUTLOT 5

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		842.50	842.46	X		
Downstream Invert		842.20	842.22	X		
Length (feet)		42.5	42.5	X		
Slope (%)		0.70	0.56	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		845.00	845.03	X		
Upper Discharge Control		(If Applicable)				
Opening Diameter (inches)		NA	NA			
Elevation		NA	NA			

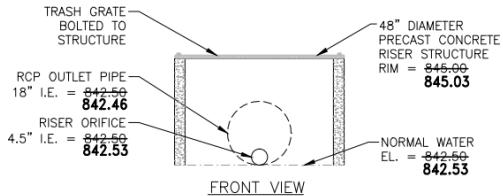
Compliance Verification		Design	Actual	Compliant Yes	No	Comments
Lower Discharge Control		(If Applicable)				
Opening Diameter		4.5	4.5	X		Concrete orifice

(inches)					Good Condition			
Elevation	842.50	842.53	X					
<i>Other (Description)</i>								
Opening Type and Size (inches)	NA	NA						
Elevation	NA	NA						
<i>Emergency Spillway</i>								
Elevation	846.20	846.29	X		Good Condition			
Length of spillway (feet)	10	10	X		Good Condition			
<i>Embankment</i>	Present Yes		Comments/Maintenance Requirements					
Unauthorized Plantings, trees, or woody vegetation		X	Animal burrow observed along the northern bank. Recommend filling and stabilizing.					
Animal burrows or slope erosion	X							
<i>Storm Sewer Outfalls</i>	Type & Size		Location		Comments			
Outfall 1	12" RCP FES		S corner		Good Condition			
Outfall 2	30" RCP FES		SE bank		Good Condition			
Outfall 3								
<i>Storage Properties</i>	Design	Actual	Compliant Yes	Not Applicable	Equipment Used			
Normal Water Elevation (Wet Ponds)	842.50	842.53	X		Trimble Total Station & GPS			
Design High Water Elevation	846.17	846.17	X					
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.07	0.07	X					
Area at Design High Water Elevation (Ac)	0.17	0.17	X					
Active Storage Available (Ac-Ft)*	0.56	0.56	X					
Lowest Elevation at Top of Embankment (If Applicable)	847.20	847.06	X					
Average Elevation at Top of Embankment (If Applicable)	847.20	847.22	X					
Maximum Bottom Elevation	837.50	837.42	X					
Average Pond Bottom Elevation	837.50	837.44	X					
Pond Bottom Area (Ac)	0.01	0.01	X					
Maximum Pond Depth	9.7'	9.8'	X					
Average Pond Depth	9.7'	9.8'	X					
Average Permanent Pool Depth (Wet Ponds)	5.0'	5.1'	X					

*To Determine Active Storage $V=H/3(A1+A2+(A1 \times A2)/2)$

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 4 As-built Structure Detail**Figure 3: Pond 4 Facing Southeast****Figure 2: Pond 4 Outlet Structure****Figure 4: Pond 4 Facing North**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