



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 5
Pond ID: SWP22S005

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)	18	18	X	Reinforced concrete pipe
Upstream Invert	842.50	842.46	X	Good Condition
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)			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)	48	48	X	Precast concrete structure
Elevation	845.00	845.03	X	Good Condition
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			
Other (Description)						
Opening Type and Size (inches)	NA	NA				
Elevation	NA	NA				
Emergency Spillway						
Elevation	846.20	846.29	X		Good Condition	
Length of spillway (feet)	10	10	X		Good Condition	
Embankment	Present Yes No		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					
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1	12" RCP FES		S corner		Good Condition	
Outfall 2	30" RCP FES		SE bank		Good Condition	
Outfall 3						
Storage Properties	Design	Actual	Compliant Yes No		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 $V=H/3(A1+A2+(A1 \times A2)^{1/2})$
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 4 As-built Structure Detail

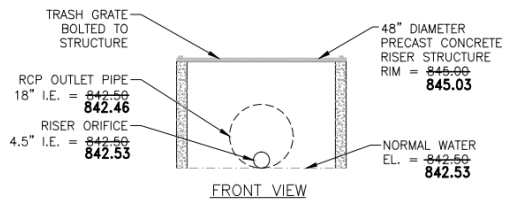


Figure 3: Pond 4 Facing Southeast



Figure 2: Pond 4 Outlet Structure



Figure 4: Pond 4 Facing North

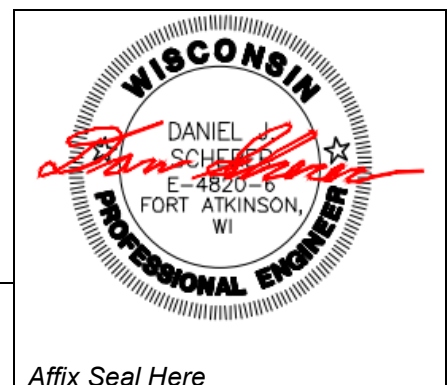


Inspection Firm: TRIO ENGINEERING, LLC
 Phone Number: 262-790-1480
 Address: 4100 N. Calhoun Road
Brookfield, WI 53005

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

Certifying Professional

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



Date:
12/03/21

Signature: