



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. 28 Name of Business/Subdivision THE SANCTUARY AT PRAIRIE WALK – PHASE 3
Property Tax ID Number _____ Address of Property _____
Date 5-04-2022 _____

Dry Pond	
Wet Pond	X
Other	

Location of Pond C.A. #1
SOUTHWEST POND
Pond ID: WET POND 3
SWP28S021

Year Pond Constructed 2021 Year of Last Certification _____

Compliance Verification	Design	Actual	Compliant Yes No	Comments (Condition of Structure)
Primary Outlet Pipe				Outlet Pipe Material
Opening Diameter (inches)	12	12	X	Reinforced concrete pipe
Upstream Invert	839.20	839.17	X	Acceptable condition
Downstream Invert	839.00	839.00	X	
Length (feet)	35.9	34.3	X	
Slope (%)	0.56	0.50	X	
Secondary Outlet Pipe	(If Applicable)			Outlet Pipe Material
Opening Diameter (inches)				
Upstream Invert				
Downstream Invert				
Length (feet)				
Slope (%)				
Riser	(If Applicable)			Riser Material
Opening Diameter (inches)	36	36	X	Reinforced concrete
Elevation	841.76	841.64	X	
Upper Discharge Control	(If Applicable)			
Opening Diameter (inches)	3"	3"	X	3" ORIFICE IN 8" PIPE
Elevation	839.20	839.17	X	

Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)						
Elevation						
Other (Description)						
Opening Type and Size (inches)						
Elevation						
Emergency Spillway						
Elevation	841.90	841.91	X		Acceptable condition	
Length of spillway (feet)	10	10	X		Acceptable condition	
Embankment	Present Yes No		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation		X				
Animal burrows or slope erosion		X				
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1	12" RCP FES		W SIDE		Acceptable condition	
Outfall 2	12" RCP FES		NE CORNER		Acceptable condition	
Outfall 3						
Outfall 4						
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	839.20	839.17	X			Trimble Total Station & GPS
Design High Water Elevation	841.90	841.91	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	.110	.111	X			
Area at Design High Water Elevation (Ac)	0.194	0.195	X			
Active Storage Available (Ac-Ft)*	.474	.476	X			
Lowest Elevation at Top of Embankment (If Applicable)	843.90	843.85				
Average Elevation at Top of Embankment (If Applicable)	843.90	843.96				
Maximum Bottom Elevation	834.20	834.15	X			
Average Pond Bottom Elevation	834.20	834.16	X			
Pond Bottom Area (Ac)	0.223	0.221	X			
Maximum Pond Depth	5	5.02	X			
Average Pond Depth	5	5.01	X			
Average Permanent Pool Depth (Wet Ponds)	5	5.01	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

Drv Ponds Use H= Height of Section. A1= pond bottom area. A2=area at top section



Inspection Firm: TRIO ENGINEERING, LLC
 Phone Number: 262-790-1480
 Address: 4100 N. CALHOUN ROAD
 SUITE 300
 BROOKFIELD, WI 53005

Inspector Name : PETER ROTH
 Inspection Date: 3-29-22

Certifying Professional JOSHUA PUDELKO
 Name:
 Phone Number: 262-790-1480



Date: <u>5-4-22</u>	Signature:
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05-04-2022