



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
NORTH CENTRAL POND
Pond ID: WET POND 2
SWP28S020

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	839.30	839.31	X	Acceptable condition
Downstream Invert	839.00	838.98	X	
Length (feet)	36.7	35.4	X	
Slope (%)	0.82	0.93	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	842.10	842.01	X	
Upper Discharge Control	(If Applicable)			
Opening Diameter (inches)	5	5	X	5" ORIFICE IN 8" PVC INLET PIPE
Elevation	839.30	839.31	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	843.00	842.95	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		SE Corner	Acceptable condition	
Outfall 2	12" RCP FES		NW Corner	Acceptable condition	
Outfall 3					
Outfall 4					
Storage Properties	Design	Actual	Compliant Yes No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	839.30	839.31	X		Trimble Total Station & GPS
Design High Water Elevation	843.00	842.95	X		
Area at Normal Water Elevation (Ac) (Wet Ponds)	.086	.088	X		
Area at Design High Water Elevation (Ac)	0.193	0.197	X		
Active Storage Available (Ac-Ft)*	0.478	0.485	X		
Lowest Elevation at Top of Embankment (If Applicable)	844.15	844.11			
Average Elevation at Top of Embankment (If Applicable)	844.15	844.15			
Maximum Bottom Elevation	834.30	834.02	X		
Average Pond Bottom Elevation	834.30	834.04	X		
Pond Bottom Area (Ac)	0.004	0.004	X		
Maximum Pond Depth	5	5.29	X		
Average Pond Depth	5	5.27	X		
Average Permanent Pool Depth (Wet Ponds)	5	5.27	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

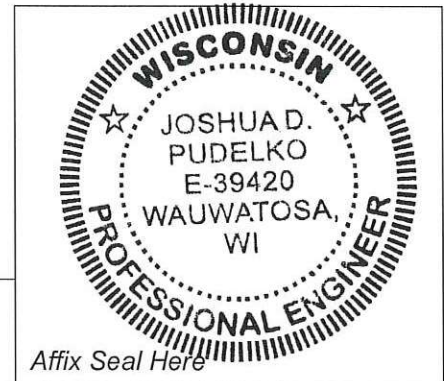
Drv Ponds Use H = Height of Section. $A1$ = pond bottom area. $A2$ = area at top section



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