



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
SOUTHEAST POND
Pond ID: WET POND 1
SWP28S022

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	839.70	839.70	X	Acceptable condition
Downstream Invert	839.48	839.48	X	
Length (feet)	44.5	43.2	X	
Slope (%)	0.52	0.54	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	842.04	X	
Upper Discharge Control	(If Applicable)			
Opening Diameter (inches)	4	4	X	
Elevation	840.80	840.76	X	

Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	3.25	3.25	X		ORIFICE IS IN 8" INLET PIPE	
Elevation	839.70	839.70	X			
Other (Description)						
Opening Type and Size (inches)						
Elevation						
Emergency Spillway						
Elevation	843.00	843.03	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	18" RCP FES		NE corner		Acceptable condition	
Outfall 2						
Outfall 3						
Outfall 4						
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	839.70	839.70	X			Trimble Total Station & GPS
Design High Water Elevation	843.00	843.03	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	.460	.469	X			
Area at Design High Water Elevation (Ac)	.773	.776	X			
Active Storage Available (Ac-Ft)*	2.82	2.89	X			
Lowest Elevation at Top of Embankment (If Applicable)	844.15	844.14				
Average Elevation at Top of Embankment (If Applicable)	844.50	844.50				
Maximum Bottom Elevation	833.70	833.60	X			
Average Pond Bottom Elevation	833.70	833.62	X			
Pond Bottom Area (Ac)	0.105	0.107	X			
Maximum Pond Depth	6	6.12	X			
Average Pond Depth	6	6.08	X			
Average Permanent Pool Depth (Wet Ponds)	6	6.08	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

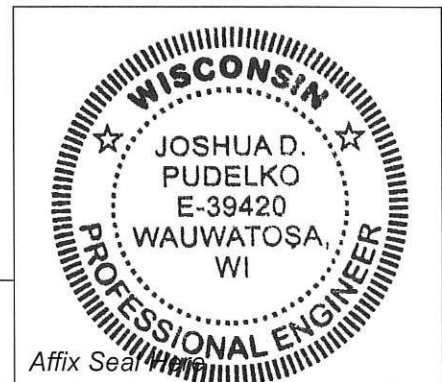
Dry Ponds Use H = Height of Section, $A1$ = pond bottom area, $A2$ =area at top section



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:
5-4-22

Signature:

05-04-2022