



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 SW ¼ SEC 32 Name of Business/Subdivision HIGHLANDS AT AERO PARK  
 Property Tax ID Number MNFV0127083 Address of Property \_\_\_\_\_  
 Date 4-19-2021 \_\_\_\_\_

Dry Pond	
Wet Pond	X
Other	

Location of Pond OUTLOT 1

N OF LISBON RD

W OF HICKORY ST

Pond ID: POND 2

SWP32S009

Year Pond Constructed 2020 Year of Last Certification \_\_\_\_\_

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
<b>Primary Outlet Pipe</b>					
Opening Diameter (inches)	12	12	X		Outlet Pipe Material Reinforced concrete pipe
Upstream Invert	849.00	849.22	X		Acceptable condition
Downstream Invert	848.07	848.09	X		
Length (feet)	30.0	30.2	X		
Slope (%)	3.09	3.74	X		
<b>Secondary Outlet Pipe</b> (If Applicable)					
Opening Diameter (inches)	NA				Outlet Pipe Material NA
Upstream Invert	NA				
Downstream Invert	NA				
Length (feet)	NA				
Slope (%)	NA				
<b>Riser</b> (If Applicable)					
Opening Diameter (inches)	48	48	X		Riser Material Precast concrete structure
Elevation	853.80	853.85	X		Acceptable condition
<b>Upper Discharge Control</b> (If Applicable)					
Opening Diameter (inches)	6	6	X		
Elevation	852.19	852.19	X		

Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
<b>Lower Discharge Control</b>	(If Applicable)					
Opening Diameter (inches)	3	3	X		Concrete orifice	
Elevation	851.25	851.30	X		Acceptable condition	
<b>Other (Description)</b>						
Opening Type and Size (inches)	NA	NA				
Elevation	NA	NA				
<b>Emergency Spillway</b>						
Elevation	--	--	X		Acceptable condition	
Length of spillway (feet)	10	10	X		Acceptable condition	
<b>Embankment</b>	Present		Comments/Maintenance Requirements			
	Yes	No				
Unauthorized Plantings, trees, or woody vegetation		X				
Animal burrows or slope erosion		X				
<b>Storm Sewer Outfalls</b>	Type & Size		Location		Comments	
Outfall 1	21" RCP FES		SE corner		Acceptable condition	
Outfall 2						
Outfall 3						
<b>Storage Properties</b>	Design	Actual	Compliant		Not Applicable	Equipment Used
			Yes	No		
Normal Water Elevation (Wet Ponds)	851.25	851.30	X			Trimble Total Station & GPS
Design High Water Elevation	855.00	855.24	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.32	0.32	X			
Area at Design High Water Elevation (Ac)	0.60	0.60	X			
Active Storage Available (Ac-Ft)*	1.69	1.74	X			
Lowest Elevation at Top of Embankment (If Applicable)	856.00	856.04	X			
Average Elevation at Top of Embankment (If Applicable)	856.00	856.90	X			
Maximum Bottom Elevation	846.25	846.14	X			
Average Pond Bottom Elevation	846.25	846.20	X			
Pond Bottom Area (Ac)	0.07	.08	X			
Maximum Pond Depth	8.75'	8.85	X			
Average Pond Depth	8.75'	9.01'	X			
Average Permanent Pool Depth (Wet Ponds)	5.0'	5.13'	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

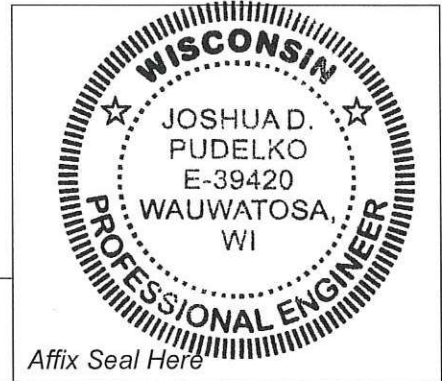
Dry Ponds Use  $H$  = Height of Section,  $A1$  = pond bottom area,  $A2$  = area at top section



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

Inspector Name : PETER ROTH  
Inspection Date: 4-19-2021

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



Date:  
4/19/21

Signature: