



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 MNFV0127084 Address of Property _____
 Date 4-19-2021 _____

Dry Pond	
Wet Pond	X
Other	

Location of Pond OUTLOT 2
N OF HICKORY CT
 Pond ID: POND 1
SWP32S010

Year Pond Constructed 2020 Year of Last Certification _____

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe					
Opening Diameter (inches)	15	15	X		Outlet Pipe Material Reinforced concrete pipe
Upstream Invert	834.00	833.94	X		Acceptable condition
Downstream Invert	833.80	833.65	X		
Length (feet)	49.0	47.1	X		
Slope (%)	0.40	0.62	X		
Secondary Outlet Pipe (If Applicable)					
Opening Diameter (inches)	NA				Outlet Pipe Material NA
Upstream Invert	NA				
Downstream Invert	NA				
Length (feet)	NA				
Slope (%)	NA				
Riser (If Applicable)					
Opening Diameter (inches)	48	48	X		Riser Material Precast concrete structure
Elevation	836.70	836.63	X		Acceptable condition
Upper Discharge Control (If Applicable)					
Opening Diameter (inches)	6.5	6.5			
Elevation	834.70	834.69			

Compliance Verification	Design	Actual	Compliant		Comments	
	(If Applicable)		Yes	No		
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	8	8	X		Concrete orifice	
Elevation	834.00	833.94	X		Acceptable condition	
Other (Description)						
Opening Type and Size (inches)	NA	NA				
Elevation	NA	NA				
Emergency Spillway						
Elevation	838.90	838.90	X		Acceptable condition	
Length of spillway (feet)	15	15	X		Acceptable condition	
Embankment	Present		Comments/Maintenance Requirements			
	Yes	No				
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		SW corner		Acceptable condition	
Outfall 2	15" RCP FES		S bank		Acceptable condition	
Outfall 3	30" RCP FES		SW corner		Acceptable condition	
Storage Properties	Design	Actual	Compliant		Not Applicable	Equipment Used
			Yes	No		
Normal Water Elevation (Wet Ponds)	834.00	833.94	X			Trimble Total Station & GPS
Design High Water Elevation	838.90	838.90	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	1.08	1.07	X			
Area at Design High Water Elevation (Ac)	1.60	1.63	X			
Active Storage Available (Ac-Ft)*	7.09	7.00	X			
Lowest Elevation at Top of Embankment (If Applicable)	839.90	839.90	X			
Average Elevation at Top of Embankment (If Applicable)	839.90	839.93	X			
Maximum Bottom Elevation	828.00	827.81	X			
Average Pond Bottom Elevation	828.00	827.94	X			
Pond Bottom Area (Ac)	0.51	.52	X			
Maximum Pond Depth	11.9'	12.09	X			
Average Pond Depth	11.9'	12.00'	X			
Average Permanent Pool Depth (Wet Ponds)	6.0'	6.0'	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

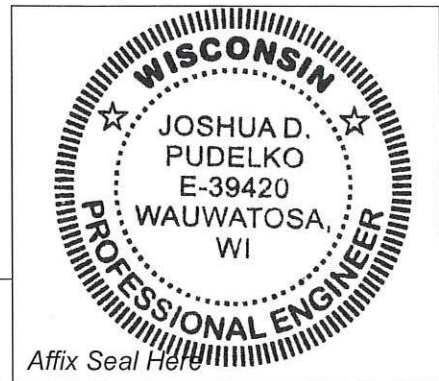
Dry Ponds Use H = Height of Section, $A1$ = pond bottom area, $A2$ =area at top section



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



Date: 4/19/2021 Signature: [Handwritten Signature]