



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 NW ¼ SEC 32 Name of Business/Subdivision AEROPARK
Property Tax ID Number _____ Address of Property _____
Date 1-06-2020 _____

Dry Pond	
Wet Pond	
Other	X

Location of Pond OUTLOT 3
Pond ID: INFILTRATION BASIN
P-2
SWP32N002

Year Pond Constructed 2019 Year of Last Certification _____

Compliance Verification	Design	Actual	Compliant Yes No		Comments (Condition of Structure)
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	14X23	14X23	X		Reinforced concrete pipe Acceptable condition
Upstream Invert	835.00	835.01	X		
Downstream Invert	834.66	834.69	X		
Length (feet)	179.0	180.0	X		
Slope (%)	0.19	0.18	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)					
Elevation					
Upper Discharge Control	(If Applicable)				
Opening Diameter (inches)					
Elevation					

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	837.00	837.11	X	Acceptable condition	
Length of spillway (feet)	20	20	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		SW corner	Acceptable condition	
Outfall 2	21" RCP FES		S bank	Acceptable condition	
Outfall 3	15" RCP FES		S bank	Acceptable condition	
Outfall 4	12" RCP FES		NW corner	Acceptable condition	
Storage Properties	Design	Actual	Compliant Yes No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)					Trimble Total Station & GPS
Design High Water Elevation	837.00	837.11	X		
Area at Normal Water Elevation (Ac) (Wet Ponds)					
Area at Design High Water Elevation (Ac)	1.45	1.46	X		
Active Storage Available (Ac-Ft)*	3.58	3.59	X		
Lowest Elevation at Top of Embankment (If Applicable)					
Average Elevation at Top of Embankment (If Applicable)					
Maximum Bottom Elevation	835.00	834.59	X		
Average Pond Bottom Elevation	835.00	835.02	X		
Pond Bottom Area (Ac)	0.91	0.91	X		
Maximum Pond Depth	2.0	2.52	X		
Average Pond Depth	2.0	2.09	X		
Average Permanent Pool Depth (Wet Ponds)					

*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

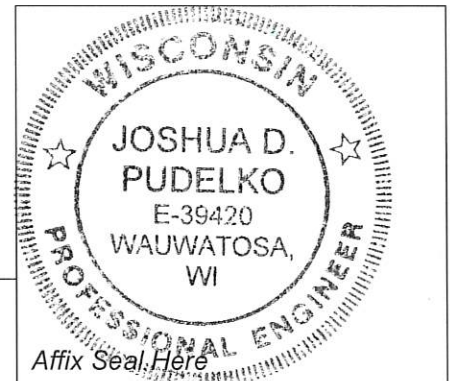
Drv Ponds Use H = Height of Section. A1 = pond bottom area. A2 = area at top section



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

Inspector Name : PETER ROTH, JOSH PUDELKO
Inspection Date: 1-06-2020

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



Date: <u>1/6/2020</u>	Signature: <u>[Handwritten Signature]</u>
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