



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, Name of Business/Subdivision White Stone Station
 Property Tax ID Number _____ Address of Property _____
 Date 10/14/2020 _____

Dry Pond	
Wet Pond	X
Other	

Location of Pond
Between USH 41/45 and Falls Parkway

Pond ID: SWP 3s006

Year Pond Constructed 2015 Year of Last Certification 2015

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	66" RCP	66" RCP	X		
Upstream Invert	820.93	820.96	X		
Downstream Invert	818.92	818.92	X		
Length (feet)	461	460	X		
Slope (%)	0.44	0.44	X		
Secondary Outlet Pipe (If Applicable)					
Opening Diameter (inches)	N/A				
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
Riser (If Applicable)					Riser Material
Opening Diameter (inches)	N/A				
Elevation					
Upper Discharge Control (If Applicable)					
Opening Diameter (inches)	118"	118"	X		
Elevation	824.97	824.96	X		

Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	11"	11"	X			
Elevation	821.87	821.98	X			
Other (Weir Plat)						
Opening Type and Size (inches)	N/A					
Elevation						
Emergency Spillway						
Elevation	826.80	827.01	X			
Length of spillway (feet)	10'	7'	X			
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	48"X76" RCP		NW Corner			
Outfall 2	24" CMP		NW Corner			
Storage Properties	Design	Actual	Compliant		Not Applicable	Equipment Used
	Yes	No				
Normal Water Elevation (Wet Ponds)	821.87	821.80	X			
Design High Water Elevation	826.79	826.79	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.48	0.49	X			
Area at Design High Water Elevation (Ac)	0.74	0.77	X			
Active Storage Available (Ac-Ft)*	2.29	2.41	X			
Lowest Elevation at Top of Embankment (If Applicable)	826.79	827.01	X			
Average Elevation at Top of Embankment (If Applicable)	828.00	828.00	X			
Maximum Bottom Elevation	815.00	814.36	X			
Average Pond Bottom Elevation	815.00	814.60	X			
Pond Bottom Area (Ac)	0.14	0.14	X			
Maximum Pond Depth	12.9'	12.19'	X			
Average Pond Depth	12.9'	12.19'	X			
Average Permanent Pool Depth (Wet Ponds)	6.95'	7.2'	X			

*To Determine Active Storage $V=H/3(A1+A2+(A1 \times A2)^{1/2})$

Wet Ponds Use $H = \text{Height of Section}$, $A1 = \text{area at normal water elevation}$, $A2 = \text{area at top section}$

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

Sketch Outlet or Attach to Document

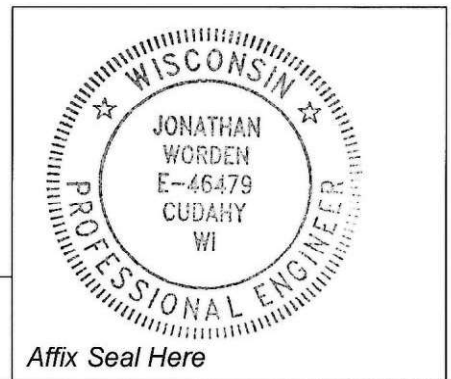
See attached Document with Pond Changes.



Attach As-built Survey to the Document for the first report submission

Inspection Firm:	<u>Quam Engineering, LLC</u>	Inspector Name:	<u>Jonathan Worden / J Scott Henkel</u>
Phone Number:	<u>262-346-7800</u>	Inspection Date:	<u>10/14/2020</u>
Address:	<u>122 Wisconsin Street</u>		
	<u>West Bend, WI 53095</u>		

Certifying Professional
Name: Jonathan Worden
Phone Number: 262-353-9765



Date: 10/28/2020	Signature:
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