



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 NW1/4 & SE1/4 of Section 3 Name of Business/Subdivision Alto-Shaam
 Property Tax ID Number MNFV001096001 Address of Property W164N9221 Water St.

Dry Pond	
Wet Pond	
Other	Biobasin

Description: Southwest Biobasin
SWP03N014

Location Of Pond Southwest side of site adjacent to Menomonee River

Year Pond Constructed 2020

Year of Last Certification NA

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	24"	24"	X		RCP
Upstream Invert	839.0	838.90	X		
Downstream Invert	838.6	838.56	X		
Length (feet)	55'	58"	X		
Slope (%)	0.73%	0.59%	X		
Secondary Outlet Pipe	(If Applicable)				
Opening Diameter (inches)					
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
Riser	(If Applicable)				
Opening Diameter (inches)	24"	24"	X		RCP
Elevation	843.00	842.60	X		
Upper Discharge Control	(If Applicable)				
Opening Diameter (inches)	2"	2"	X		
Elevation	842.0	841.97	X		

Compliance Verification	Design	Actual	Compliant		Comments	
	(If Applicable)		Yes	No		
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches) 6" DRAINTILE	6"	6"				
Elevation	839.0	838.80	X			
Other (Description)	6" DRAINTILE					
Opening Type and Size (inches)	6"	6"	X			
Elevation	839.0	838.90	X			
Emergency Spillway						
Elevation	845.5	845.5	X			
Length of spillway (feet)	10'	13'	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	2-8" PVC		north end of basin			
Outfall 2	30" RCP		south end of basin			
Outfall 3	10" PVC		south end of basin			
Storage Properties	Design	Actual	Compliant		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds) (bottom el.)	841.0	840.75	X			GPS Total Station
Design High Water Elevation	844.45	844.13	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)						
Area at Design High Water Elevation(AC.)	0.223	0.227	X			
Active Storage Available (AC.FT.)	0.539	0.845	X			
Lowest Elevation at Top of Embankment (If Applicable)						
Average Elevation at Top of Embankment (If Applicable)	846.5	846.49	X			
Maximum Bottom Elevation	841.0	840.29	X			
Average Pond Bottom Elevation	842.0	841.75	X			
Pond Bottom Area (AC.)	0.065	0.073	X			
Maximum Pond Depth	4.5	6.2	X			
Average Pond Depth	4.5	4.54	X			
Average Permanent Pool Depth (Wet Ponds)						

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

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

Sketch Outlet
See Attached



Inspection Firm: CJ Engineering, LLC
Phone Number: 414-443-1312
Address: 9205 W. Center Street, Suite 214
Milwaukee, WI 53222

Inspector Name : Randall Bruckner
Inspection Date: 06-29-2020

Certifying

Professional Name: Randall Bruckner
Phone Number: 414-443-1312

Date:
06-30-2020
Rev. 03-04-21

Signature:

