



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: West Biobasin
SWP03N013

Location Of Pond West side of site adjacent to Menomonee River

Year Pond Constructed 2020 Year of Last Certification NA

Compliance Verification	Design	Actual	Compliant Yes No		Comments (Condition of Structure)
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	12"	12"	X		RCP
Upstream Invert	839.8	839.58	X		
Downstream Invert	839.5	839.47	X		
Length (feet)	40'	58"	X		
Slope (%)	0.75%	0.19%	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)	24"	24"	X		RCP
Elevation	844.00	843.70	X		
Upper Discharge Control	(If Applicable)				
Opening Diameter (inches)	2"	2"	X		
Elevation	843.0	842.85	X		

Compliance Verification		Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control		(If Applicable)					
Opening Diameter (inches)							
Elevation							
Other (Description)		6" DRAINTILE					
Opening Type and Size (inches)		6"	6"	X			
Elevation		840.5	840.23	X			
Emergency Spillway							
Elevation		846.5	846.53	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		8" PVC		south end of basin			
Outfall 2							
Outfall 3							
Storage Properties		Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds) (bottom el.)		842.0	841.8	X			GPS Total Station
Design High Water Elevation		844.43	844.11	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)							
Area at Design High Water Elevation (AC.)		0.046	0.053	X			
Active Storage Available (Ac-Ft)*		0.075	0.107	X			
Lowest Elevation at Top of Embankment (If Applicable)							
Average Elevation at Top of Embankment (If Applicable)		846.5	846.53	X			
Maximum Bottom Elevation		842.0	841.96	X			
Average Pond Bottom Elevation		842.0	841.8	X			
Pond Bottom Area (AC.)		0.011	0.019	X			
Maximum Pond Depth		4.5	5.38	X			
Average Pond Depth		4.5	4.73	X			
Average Permanent Pool Depth (Wet Ponds)							

*To Determine Active Storage $V = \left(\left(\frac{H}{3} \right) \left(A1 + A2 + \left(\left(A1 + A2 \right)^{\wedge} \left(\frac{1}{2} \right) \right) \right) \right)$
 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	Inspector Name :	Randall Bruckner
Phone Number:	414-443-1312	Inspection Date:	06-29-2020
Address:	9205 W. Center Street, Suite 214 Milwaukee, WI 53222		

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

Date: 06-30-2020 Rev. 03-04-2021	Signature:
--	------------

