



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: South Biobasin
SWP03S011

Location Of Pond South 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	838.71	X	
Downstream Invert	839.5	837.85	X	
Length (feet)	37'	35'	X	
Slope (%)	0.8%	2.46%	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	843.50	842.36	X	
Upper Discharge Control	(If Applicable)			
Opening Diameter (inches)	2"	2"	X	
Elevation	842.50	841.48	X	

Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches) 6" DRAINTILE	6"	6"				
Elevation	840.5	839.55	X			
Other (Description)						
Opening Type and Size (inches)						
Elevation						
Emergency Spillway						
Elevation	844.7	844.69	X			
Length of spillway (feet)	10'	11'	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						
Outfall 2						
Outfall 3						
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds) (bottom el.)	842.0	841.25	X			GPS Total Station
Design High Water Elevation	843.71	842.66	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)						
Area at Design High Water Elevation (AC)	0.066	0.077	X			
Active Storage Available (AC-FT)	0.103	0.138	X			
Lowest Elevation at Top of Embankment (If Applicable)						
Average Elevation at Top of Embankment (If Applicable)	845.5	845.49	X			
Maximum Bottom Elevation	842.0	841.13	X			
Average Pond Bottom Elevation	842.0	841.25	X			
Pond Bottom Area (AC)	0.014	.022	X			
Maximum Pond Depth	3.5	4.36	X			
Average Pond Depth	3.5	4.24	X			
Average Permanent Pool Depth (Wet Ponds)						

*To Determine Active Storage $V = \left(\left(\frac{H}{3} \right) \left(A_1 + A_2 + \left(\left(A_1 + A_2 \right)^{\left(\frac{1}{2} \right)} \right) \right) \right)$
 Wet Ponds Use H = Height of Section , A_1 = area at normal water elevation, A_2 =area at top section
 Dry Ponds Use H = Height of Section, A_1 = pond bottom area, A_2 =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. 03-04-21	Signature:
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