



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		Description: <u>West Biobasin</u> <u>SWP03N013</u>	Location Of Pond	West side of site adjacent to Menomonee River
Wet Pond				
Other	Biobasin			

Year Pond Constructed 2020 Year of Last Certification NA

Compliance Verification	Design	Actual	Compliant Yes	Compliant No	Comments (Condition of Structure)
Primary Outlet Pipe					
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 $V = ((H/3)(A1 + A2 + ((A1 + A2)^{1/2})))$

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

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. 03-04-2021

Signature:

