



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
Property Tax ID Number

NW 1/4 - 9
MNFV
0032-274

Name of Business/Subdivision
Address of Property

Verona Subdivision
Main Street & Lawrence Avenue

Date June 7, 2018

Dry Pond		Pond ID: SWP09N002 South Pond	Location of Pond	OUTLOT 2
Wet Pond	X			SW of Lots 6 & 7
Other				_____

Year Pond
Constructed

2008

Year of Last
Certification

2013

Compliance Verification	Design	Actual	Compliant Yes	No	Comments (Condition of Structure)
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	12"	12"	X		RCP outlet pipe found in good condition and free of debris.
Upstream Invert	876.00	784.05	X		
Downstream Invert	874.84	783.79	X		
Length (feet)	37	47	X		
Slope (%)	3.13%	0.55	X		
Secondary Outlet Pipe	(If Applicable)				Outlet Pipe Material
Opening Diameter (inches)					
Upstream Invert					None
Downstream Invert					
Length (feet)					
Slope (%)					
Riser	(If Applicable)				Riser Material
Opening Diameter (inches)	54" Rect	54" Rect	X		Structure found in good condition. Vegetated debris should be removed from inside.
Rim Elevation	879.10	791.10	X		
Upper Discharge Control	(If Applicable)				
Opening Diameter (inches)	4"				N/A
Elevation	876.00				

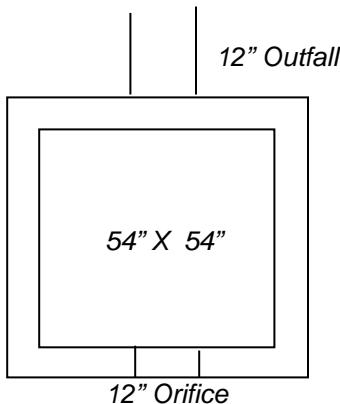
Compliance Verification	Design	Actual	Compliant Yes No	Comments				
Lower Discharge Control	(If Applicable)							
Opening Diameter (inches)								
Elevation								
Other (Description)								
Opening Type and Size (inches)					Pond liner is floating and should be closely monitored for failure. Adding a stone ballast materials should be considered.			
Elevation								
Emergency Spillway								
Elevation	879.10	879.0	X		Riprap protection across full width of the spillway in good condition.			
Length of spillway (feet)	12	12	X					
Embankment	Present Yes no		Comments/Maintenance Requirements					
Unauthorized Plantings, trees, or woody vegetation		X	Vegetated and stable.					
Animal burrows or slope erosion		X						
Storm Sewer Outfalls	Type & Size		Location		Comments			
Outfall 1	None							
Outfall 2								
Outfall 3								
Storage Properties	Design	Actual	Compliant Yes No	Not Applicable	Equipment Used			
Normal Water Elevation (Wet Ponds)	876.00	876.0	X		Robotic 1" Total Station (Trimble S6) Survey Completed: 06/07/18			
Design High Water Elevation	878.50	878.5	X					
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.072	0.093	X					
Area at Design High Water Elevation (Ac)	0.120	0.158	X					
Active Storage Available (Ac-Ft)*	0.164	0.215	X					
Lowest Elevation at Top of Embankment (If Applicable)	881.10	880.1	X					
Average Elevation at Top of Embankment (If Applicable)	881.10	880.9	X					
Maximum Bottom Elevation	871.00	872.1	X					
Average Pond Bottom Elevation	871.00	872.2	X					
Pond Bottom Area (Ac)	0.001	0.003	X					
Maximum Pond Depth	5.0'	3.8'		X	Updated Design Depth			
Average Pond Depth								
Average Permanent Pool Depth (Wet Ponds)	2.5'	1.5'		X				

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

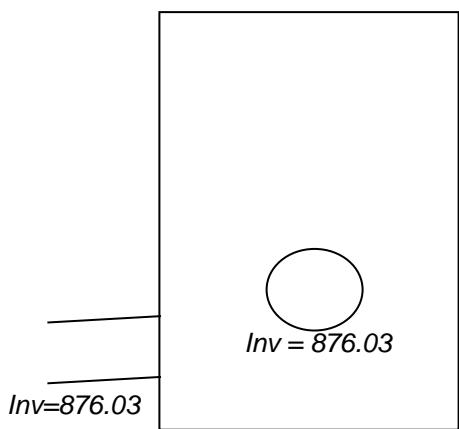
Wet Ponds Use $H = \text{Height of Section}$, $A1 = \text{area at normal water elevation}$, $A2 = \text{area at top section}$

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



Rim = 879.12



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

Inspection Firm: One Source Consulting
Phone Number: (262) 781-9005
Address: 19435 W. Capitol Drive
Suite L05
Brookfield, WI 53045

Inspector Name : Craig Donze, PE
Inspection Date: 06/21/2018

Certifying Professional
Name: Craig Donze, PE
Phone Number: (262) 781-9005
cdonze@onesourceconsult.com

Date:
July 31, 2018

Signature:



