



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 NW 1/4 - 9 Name of Business/Subdivision Verona Subdivision
 Property Tax ID Number MNFV Address of Property _____
0032-273 Main Street & Lawrence Avenue
 Date June 7, 2018 _____

Dry Pond	
Wet Pond	X
Other	

Pond ID: SWP09N001 Location of Pond OUTLOT 2
North Pond N of Lots 1 & 2

Year Pond Constructed 2008 Year of Last Certification 2013

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	12"	12"	X		RCP outlet pipe found in good condition. Vegetation should be removed at outlet endwall.
Upstream Invert	866.50	866.43	X		
Downstream Invert	865.67	866.38	X		
Length (feet)	40	40	X		
Slope (%)	2.08%	0.1%	X		
Secondary Outlet Pipe (If Applicable)					Outlet Pipe Material
Opening Diameter (inches)					None
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
Riser (If Applicable)					Riser Material
Opening Diameter (inches)	54" Rect	54" Rect	X		Structure found in good condition and free of debris.
Rim Elevation	869.10	868.86	X		
Upper Discharge Control (If Applicable)					
Opening Diameter (inches)	3"	12"			
Elevation	867.00	866.22			

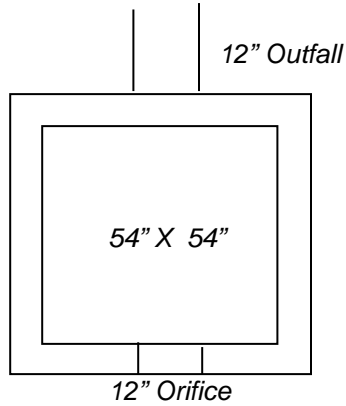
Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	6"				None Found	
Elevation	866.50					
Other (Description)						
Opening Type and Size (inches)					Pond liner should be closely monitored for tears and UV deterioration to the areas exposed to the elements.	
Elevation						
Emergency Spillway						
Elevation	869.10	869.42	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	24" RCP		SW Corner		Scour at end of riprap.	
Outfall 2						
Outfall 3						
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	866.50	866.22	X			Robotic 1" Total Station (Trimble S6) Survey Completed: 06/07/18
Design High Water Elevation	869.11	869.11	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.210	0.252	X			
Area at Design High Water Elevation (Ac)	0.290	0.342	X			
Active Storage Available (Ac-Ft)*	0.460	0.614	X			
Lowest Elevation at Top of Embankment (If Applicable)	871.1	870.1	X			
Average Elevation at Top of Embankment (If Applicable)	871.1	870.3	X			
Maximum Bottom Elevation	861.5	861.8	X			
Average Pond Bottom Elevation	861.5	862	X			
Pond Bottom Area (Ac)	0.082	0.019	X			
Maximum Pond Depth	7.6'	7.3'	X			
Average Pond Depth						
Average Permanent Pool Depth (Wet Ponds)	5.0'	4.4'	X			

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

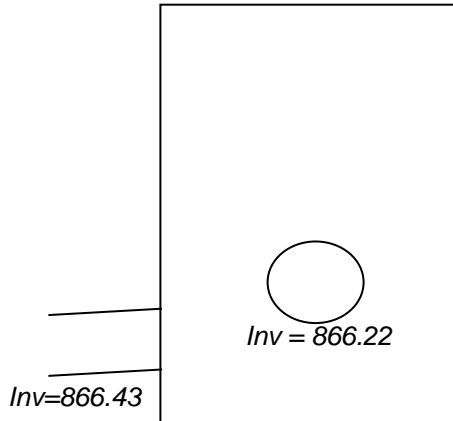
Wet Ponds Use $H =$ Height of Section, $A1 =$ area at normal water elevation, $A2 =$ area at top section

Dry Ponds Use $H =$ Height of Section, $A1 =$ pond bottom area, $A2 =$ area at top section

Sketch Outlet or Attach to Document



Rim = 868.86

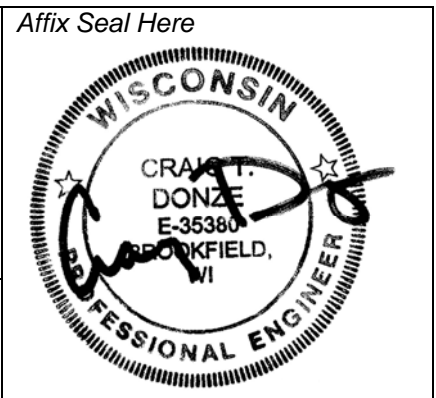


Attach As-built Survey to the Document for the first report submission

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:

