



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 \_\_\_\_\_  
Date \_\_\_\_\_

S9, T8N, R20E \_\_\_\_\_

Name of Business/Subdivision \_\_\_\_\_  
Address of Property \_\_\_\_\_

Menomonee Falls MOB \_\_\_\_\_

Dry Pond	
Wet Pond	X
Other	

Location of  
Pond

Northeast Corner of Project Site \_\_\_\_\_

Pond ID: SWP09S004 \_\_\_\_\_

Year Pond  
Constructed

2010

Year of Last  
Certification

2010

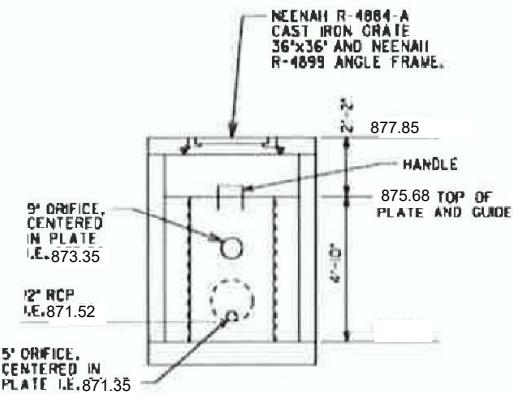
Compliance Verification		Design	Actual	Compliant Yes	No	Comments ( Condition of Structure)
<b>Primary Outlet Pipe</b>						Outlet Pipe Material
Opening Diameter (inches)		12" RCP	12" RCP	X		
Upstream Invert		871.50	871.52	X		
Downstream Invert		869.00	869.35	X		
Length (feet)		41	42	X		
Slope (%)		.061	.051	X		
<b>Secondary Outlet Pipe</b>		(If Applicable)			Outlet Pipe Material	
Opening Diameter (inches)						
Upstream Invert						
Downstream Invert						
Length (feet)						
Slope (%)						
<b>Riser</b>		(If Applicable)			Riser Material	
Opening Diameter (inches)		N/A	N/A		Structure located on top of berm	
Elevation		878.00	877.85	X	Riser opening is not a flow control device.	
<b>Upper Discharge Control</b>		(If Applicable)				
Opening Diameter (inches)		9"	9"	X		
Elevation		873.50	873.35	X		

Compliance Verification	Design	Actual	Compliant Yes No		Comments
<b>Lower Discharge Control</b>	(If Applicable)				
Opening Diameter (inches)	5 "	5 "	X		
Elevation	871.50	871.35	X		
<b>Other (Description)</b>					
Opening Type and Size (inches)					
Elevation					
<b>Emergency Spillway</b>					
Elevation	876.00	876.25	X		
Length of spillway (feet)	15 '	15 '	X		
<b>Embankment</b>	Present Yes no		Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation		X			
Animal burrows or slope erosion		X			
<b>Storm Sewer Outfalls</b>	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)	871.50	871.50	X		
Design High Water Elevation	875.78	875.70	X		
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.60	0.60	X		
Area at Design High Water Elevation (Ac)	0.87	0.84	X		
Active Storage Available (Ac-Ft)*	3.11	3.01	X		
Lowest Elevation at Top of Embankment (If Applicable)	878.00	877.73	X		
Average Elevation at Top of Embankment (If Applicable)	878.0	878.0	X		
Maximum Bottom Elevation	866.0	865.0	X		
Average Pond Bottom Elevation	866.0	865.1	X		
Pond Bottom Area (Ac)	0.24	0.20	X		
Maximum Pond Depth	5.5 '	6.8 '	X		
Average Pond Depth	5.5 '	6.6 '	X		
Average Permanent Pool Depth (Wet Ponds)		3.5 '	X		

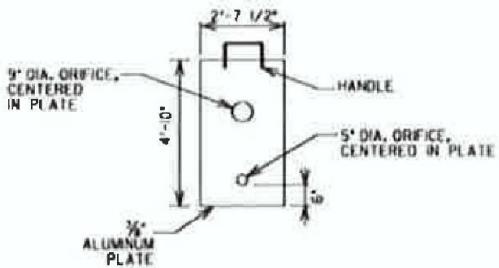
\*To Determine Active Storage  $V=H/3(A1+A2+(A1xA2)/2)$

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



**SECTION B-B**



**ALUMINUM PLATE**

**OUTLET STRUCTURE**

N.T.S.



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

Inspection Firm: Quam Engineering LLC.  
 Phone Number: (262)338-6641  
 Address: 544 S. Main St. Suite B  
West Bend, WI 53095

Inspector Name: Jonathan Worden  
 Inspection Date: 7/29/15

Certifying Professional  
 Name: Kevin Parish P.E.  
 Phone Number: (262)338-6641



Date: <u>8/3/15</u>	Signature: <u>KP</u>
---------------------	----------------------