



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 S9, T8N, R20E Name of Business/Subdivision Menomonee Falls MOB
Property Tax ID Number _____ Address of Property _____

Dry Pond	<input type="checkbox"/>	Description: _____			Location Of Pond	<u>Northeast corner of project site</u>
Wet Pond	<input checked="" type="checkbox"/>					
Other	<input type="checkbox"/>					

Year Pond Constructed 2010 Year of Last Certification 2010

Compliance Verification	Design	Actual	Compliant Yes	No	Comments (Condition of Structure)
<i>Primary Outlet Pipe</i>					
Opening Diameter	12" RCP	12" RCP	<input checked="" type="checkbox"/>		
Upstream Invert	871.50	871.5	<input checked="" type="checkbox"/>		
Downstream Invert	869.00	869.3	<input checked="" type="checkbox"/>		
Length	41 ft	42 ft	<input checked="" type="checkbox"/>		
Slope	0.061	0.053	<input checked="" type="checkbox"/>		
<i>Secondary Outlet Pipe</i>					
Opening Diameter					
Upstream Invert					
Downstream Invert					
Length					
Slope					
<i>Riser</i>					
Opening Diameter	N/A	N/A			Structure located at top of berm. Riser opening is not a flow control device.
Elevation	878.00	877.8	<input checked="" type="checkbox"/>		
<i>Upper Discharge Control</i>					
Opening Diameter	9"	9"	<input checked="" type="checkbox"/>		
Elevation	873.50	873.4	<input checked="" type="checkbox"/>		

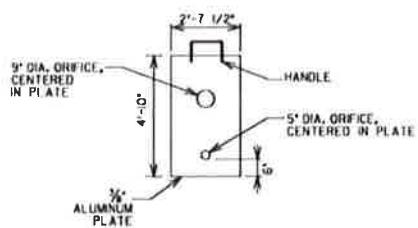
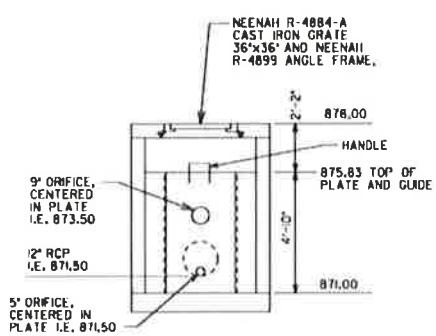
Compliance Verification	Design	Actual	Compliant		Comments
	Yes	No			
<i>Lower Discharge Control</i>	(If Applicable)				
Opening Diameter	5"	5"	X		
Elevation	871.50	871.4	X		
<i>Other (Description)</i>					
Opening Type					
Elevation					
<i>Emergency Spillway</i>					
Elevation	876.00	876.0	X		
Length of spillway	15 ft	15 ft	X		
<i>Embankment</i>			Present Yes	No	
Unauthorized plantings, trees, or woody vegetation				X	
Animal burrows or slope erosion				X	
Storage Properties		Design	Actual	Compliant	Equipment Used
		Yes	No	Points Surveyed	
Normal Water Elevation (Wet Ponds)	871.50	871.50	X		
Design High Water Elevation	875.78	875.7	X		
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.60	0.63	X		
Area at Design High Water Elevation (Ac)	0.87	0.89	X		
Active Storage Available (Ac-Ft)*	3.11	3.2	X		
Lowest Elevation at Top of Embankment (If Applicable)	878.00	878.0	X		Survey shots on top of embankment were performed prior to placement of topsoil.
Average Elevation at Top of Embankment (If Applicable)	878.00	878.0	X		
Maximum Bottom Elevation	866.00	865.5	X		
Average Pond Bottom Elevation	866.00	865.5	X		at Elevation 866 area equals ~ 0.27 acres
Pond Bottom Area (Ac)	0.24	0.17	X		
Maximum Pond Depth	5.5 ft	6.0 ft	X		
Average Pond Depth	5.5 ft	6.0 ft	X		

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

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



OUTLET STRUCTURE

N.T.S.



Inspection Firm: **GRAEF**
Phone Number: **414-259-1500**
Address: **125 S. 84th Street, Suite 401**
Milwaukee, WI 53214

Inspector Name : **Dan Knapp, P.E.**
Inspection Date: **12/1/2010**

Certifying
Professional Name: **Jayme Sisel, P.E.**
Phone Number: **414-266-9235**

Date: 12/1/2010	Signature: 
----------------------------------	--

