



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 SW 1/4 SEC 26 Name of Business/Subdivision FIRST PARK
 Property Tax ID Number V0103985 Address of Property W156 N5384 PILGRIM RD

Dry Pond	
Wet Pond	X
Other	

Location Of Pond EAST OF PILGRIM ROAD
SOUTH OF SHAWN CIRCLE

Description: BASIN A

Year Pond Constructed 2008

Year of Last Certification _____

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe					
Opening Diameter	36 in.	36 in.	X		
Upstream Invert	780.89	780.87	X		
Downstream Invert	780.61	780.52	X		
Length	54.5 ft	46.94 ft	X		
Slope	1%	0.75%	X		
Secondary Outlet Pipe (If Applicable)					
Opening Diameter	N/A				
Upstream Invert	N/A				
Downstream Invert	N/A				
Length	N/A				
Slope	N/A				
Riser (If Applicable)					
Opening Diameter	N/A				
Elevation	N/A				
Upper Discharge Control (If Applicable)					
Opening Diameter	22 in.	22 in.	X		
Elevation	782.60	782.90	*		Orifice is within .30 of design elevation

Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
Lower Discharge Control	(If Applicable)					
Opening Diameter	15 in.	15 in.	X			
Elevation	780.89	780.98	X			
Other (Description)						
Opening Type	N/A					
Elevation	N/A					
Emergency Spillway						
Elevation	785.2	785.8	X			
Length of spillway	10 ft	9.4 ft	X			
Embankment			Present			
			Yes	No		
Unauthorized plantings, trees, or woody vegetation				X		
Animal burrows or slope erosion				X		
Storage Properties	Design	Actual	Compliant		Points Surveyed	Equipment Used
			Yes	No		
Normal Water Elevation (Wet Ponds)	780.9	780.9	X			TRIMBLE 5600 TOTAL STATION
Design High Water Elevation	785.13	785.13	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	3.3 ac	3.3 ac	X			
Area at Design High Water Elevation (Ac)	4.9 ac	4.8 ac	X			
Active Storage Available (Ac-Ft)*	22.0	21.4	X			
Lowest Elevation at Top of Embankment (If Applicable)	787.0	786.7	X			
Average Elevation at Top of Embankment (If Applicable)	NA					
Maximum Bottom Elevation	775.89	773.4	X			
Average Pond Bottom Elevation	775.89	775.4	X			
Pond Bottom Area (Ac)	1.5 ac	1.4 ac	X			
Maximum Pond Depth	5.0 ft	7.5 ft	X			
Average Pond Depth	5.0 ft	5.5 ft	X			

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

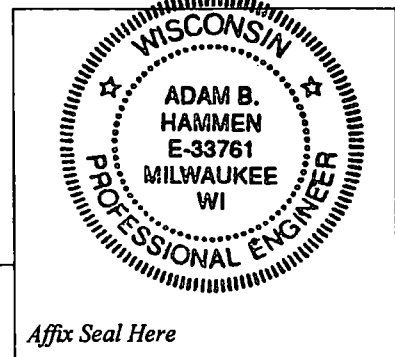
Wet Ponds Use $H = \text{Height of Section}$, $A1 = \text{area at normal water elevation}$, $A2 = \text{area at top section}$

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

<p><i>Sketch Outlet</i></p> <p>SEE POND AS-BUILTS (SUBMITTED UNDER SEPERATE COVER) FOR OUTLET CONTROL STRUCTURE FIGURE</p>	<p><i>Place Photograph of Pond</i></p> <p>SEE ATTACHED DOCUMENTS FOR PICTURES</p>
	<p><i>Place Photograph of Pond</i></p> <p>SEE ATTACHED DOCUMENTS FOR PICTURES</p>

Inspection Firm: SIGMA DEVELOPMENT Inspector Name : PATRICK FINN
 Phone Number: 414-643-4300 Inspection Date: 1/9/2009
 Address: 1300 W. CANAL STREET
 MILWAUKEE, WI 53233

Certifying
 Professional Name: ADAM HAMMEN, P.E.
 Phone Number: 414-643-4165



<p>Date:</p> <p>02/08/10</p>	<p>Signature:</p> <p><i>Adam Hammen</i></p>
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Affix Seal Here