



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	X			Location Of Pond	<u>EAST OF KOHLER LN</u>
Wet Pond					<u>NORTH OF SHAWN CIRCLE</u>
Other		Description: <u>BASIN B</u>			

Year Pond Constructed 2008 Year of Last Certification \_\_\_\_\_

Compliance Verification	Design	Actual	Compliant Yes      No	Comments ( Condition of Structure)	
<b><i>Primary Outlet Pipe</i></b>					
Opening Diameter	30 in.	30 in.	X		
Upstream Invert	801.15	801.01	X		
Downstream Invert	799.68	799.63	X		
Length	95.99 ft	96.48 ft	X		
Slope	1.53%	1.47%	X		
<b><i>Secondary Outlet Pipe</i></b>					
Opening Diameter	N/A				
Upstream Invert	N/A				
Downstream Invert	N/A				
Length	N/A				
Slope	N/A				
<b><i>Riser</i></b>					
Opening Diameter	N/A				
Elevation	N/A				
<b><i>Upper Discharge Control</i></b>					
Opening Diameter	N/A				
Elevation	N/A				

Compliance Verification	Design	Actual	Compliant Yes	No	Comments
<b>Lower Discharge Control</b>	(If Applicable)				
Opening Diameter	N/A				
Elevation	N/A				
<b>Other (Description)</b>					
Opening Type	N/A				
Elevation	N/A				
<b>Emergency Spillway</b>					
Elevation	810	810.31	X		
Length of spillway	27 ft	27 ft	X		
<b>Embankment</b>	Present Yes No				
Unauthorized plantings, trees, or woody vegetation			X		
Animal burrows or slope erosion			X		
Storage Properties	Design	Actual	Compliant Yes	Points Surveyed	Equipment Used
Normal Water Elevation (Wet Ponds)	N/A (DRY)				TRIMBLE 5600 TOTAL STATION
Design High Water Elevation	807.56	807.56	X		
Area at Normal Water Elevation (Ac) (Wet Ponds)	N/A				
Area at Design High Water Elevation (Ac)	0.4 ac	0.4 ac	X		
Active Storage Available (Ac-Ft)*	1.8	1.8	X		
Lowest Elevation at Top of Embankment (If Applicable)	N/A				
Average Elevation at Top of Embankment (If Applicable)	N/A				
Maximum Bottom Elevation	802.0	801.2	X		
Average Pond Bottom Elevation	803.5	802.1	X		
Pond Bottom Area (Ac)	0.07 ac	0.08 ac	X		
Maximum Pond Depth	N/A				
Average Pond Depth	N/A				

\*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>N/A</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

Date: <u>02/08/10</u>	Signature: <u>Adam Hamm</u>
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