



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		Description: <u>BASIN A</u>		Location Of	<u>EAST OF PILGRIM ROAD</u>
Wet Pond	X			Pond	<u>SOUTH OF SHAWN CIRCLE</u>
Other					

Year Pond Constructed 2008 Year of Last Certification _____

Compliance Verification	Design	Actual	Compliant Yes	No	Comments (Condition of Structure)
<i>Primary Outlet Pipe</i>					
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		
<i>Secondary Outlet Pipe</i> (If Applicable)					
Opening Diameter	N/A				
Upstream Invert	N/A				
Downstream Invert	N/A				
Length	N/A				
Slope	N/A				
<i>Riser</i> (If Applicable)					
Opening Diameter	N/A				
Elevation	N/A				
<i>Upper Discharge Control</i> (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 Yes	No	Comments
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 Yes	Points Surveyed	Equipment Used
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 $H = \text{Height of Section}$, $A1 = \text{pond bottom area}$, $A2 = \text{area at top section}$

Sketch Outlet

SEE POND AS-BUILTS
(SUBMITTED UNDER SEPERATE COVER)
FOR OUTLET CONTROL STRUCTURE
FIGURE

Place Photograph of Pond

SEE ATTACHED DOCUMENTS FOR PICTURES

Place Photograph of Pond

SEE ATTACHED DOCUMENTS FOR PICTURES

Inspection Firm:

SIGMA DEVELOPMENT

Inspector Name :

PATRICK FINN

Phone Number:

414-643-4300

1/9/2009

Address:

1300 W. CANAL STREET

MILWAUKEE, WI 53233

Certifying

Professional Name:

ADAM HAMMEN, P.E.

Phone Number:

414-643-4165

Date:

02/08/10

Signature:

A. Hamm

