



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 11 NW Name of Business/Subdivision VMF COMMUNITY CENTER
 Property Tax ID Number 0042973005 Address of Property W153 N8681 MARGARET RD
MENOMONEE FALLS, WI 53051

Dry Pond	X
Wet Pond	
Other	

Description: SWP11N003 Location Of Pond EAST OF ENTRANCE TO COMMUNITY CENTER OFF OF MENO RVR PKWY

Year Pond Constructed 1995 Year of Last Certification UNKNOWN

Compliance Verification	Design (Non-AsBuilt)	Actual (GPS)	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe (IN11N008)					Outlet Pipe Material
Opening Diameter (inches)	24"	24"	-	-	24" RCP IN GOOD CONDITION, RIP RAP IN END SECTION
Upstream Invert	759.40	759.20	-	-	24" RCP IN GOOD CONDITION, RIP RAP IN END SECTION
Downstream Invert	758.60	758.75	-	-	24" RCP IN GOOD CONDITION, RIP RAP IN END SECTION
Length (feet)	75.0 FT	70.4 FT	-	-	FROM: COMPLETELY ENCLOSED RCP TO: COMPLETELY ENCLOSED RCP
Slope (%)	0.0080',	0.0064',	-	-	ELEVATIONS TO VARY SLIGHTLY FROM YEAR TO YEAR DUE TO GPS TECHNOLOGY
Secondary Outlet Pipe	N/A				Outlet Pipe Material
Opening Diameter (inches)			-	-	
Upstream Invert			-	-	
Downstream Invert			-	-	
Length (feet)			-	-	
Slope (%)			-	-	
Riser	N/A				Riser Material
Opening Diameter (inches)			-	-	
Elevation			-	-	
Upper Discharge Control	N/A				
Opening Diameter (inches)			-	-	
Elevation			-	-	

Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
Lower Discharge Control	N/A					
Opening Diameter (inches)			-	-		
Elevation			-	-		
Other (Description)	N/A					
Opening Type and Size (inches)			-	-		
Elevation			-	-		
Emergency Spillway						
Elevation	-	762.83	-	-	NO SPILLWAY DETAILED IN ORIGINAL PLANS	
Length of spillway (feet)	-	5.0 FT	-	-	NO SPILLWAY DETAILED IN ORIGINAL PLANS	
Embankment	Present Yes No		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	-	N	SIGNIFICANT HOLE REQUIRING ATTENTION AT EASTERLY EDGE OF POND FLOOR			
Animal burrows or slope erosion or hole	Y	-				
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1 (OT11N0140)	RCP - 24"		NORTH EMBANKMENT		RCP IN GOOD CONDITION, RIPRAP IN END SECTION	
Outfall 2						
Outfall 3						
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	-	-	-	-	N/A	GPS EQUIPMENT: SOKKIA GSR2700ISX & CARLSON SURVEYOR+ WITH SURV CE v1.7
Design High Water Elevation	763.00	762.52	-	-		
Area at Normal Water Elevation (Ac) (Wet Ponds)	-	-	-	-	N/A	
Area at Design High Water Elevation (Ac)	-	0.178 AC	-	-		
Active Storage Available (Ac-Ft)*	-	0.689 ACFT	-	-		
Lowest Elevation at Top of Embankment (If Applicable)	763.00	762.52	-	-		
Average Elevation at Top of Embankment (If Applicable)	-	-	-	-	N/A	
Maximum Bottom Elevation	760.00	759.99	-	-		
Average Pond Bottom Elevation	760.00	759.75	-	-		
Pond Bottom Area (Ac)	-	0.070 AC	-	-		
Maximum Pond Depth	3.0 FT	3.32 FT	-	-		
Average Pond Depth	3.0 FT	2.77 FT	-	-		
Average Permanent Pool Depth (Wet Ponds)	-	-	-	-	N/A	

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

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

Drv Ponds Use $H =$ Height of Section. $A1 =$ pond bottom area. $A2 =$ area at top section

Margaret Rd Retention Pond (East) – SWP11N003

Overview



Outlet OT11N040



Margaret Rd Retention Pond (East) – SWP11N003

Inlet IN11N008



Repairs Needed (12/2010)

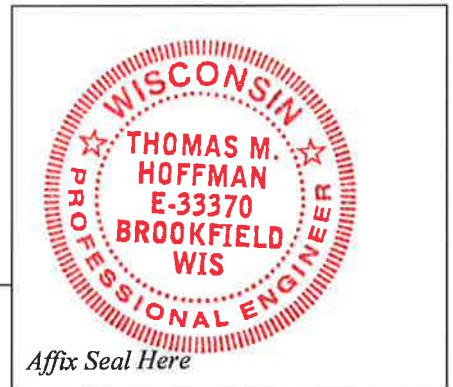
-12" + deep hole on floor of southeast corner of retention pond



<p><i>Sketch Outlet</i></p>	<p><i>Place Photograph of Pond</i></p>
	<p><i>Place Photograph of Pond</i></p>

Inspection Firm:	<u>VILLAGE OF MENOMONEE FALLS</u>	Inspector Name :	<u>CHRISTOPHER M GARIEPY</u>
Phone Number:	<u>262-532-4411</u>	Inspection Date:	<u>10/13/2010</u>
Address:	<u>W156N8480 PILGRIM RD MENOMONEE FALLS, WI 53051</u>		

Certifying
Professional Name: Thomas M Hoffman
Phone Number: 262-532-4415



<p>Date: <u>7/23/2014</u></p>	<p>Signature: <u>Thomas M Hoffman</u></p>
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$$H = 2.77'$$
$$A_1 = 0.070AC$$
$$A_2 = 0.178AC$$

2010

11N003

Margaret Road Blvd - East

$$V = \left(\frac{H}{3}\right) (A_1 + A_2 + \sqrt{A_1 A_2})$$

$$V = \left(\frac{2.77}{3}\right) (0.070AC + 0.178AC + \sqrt{0.070AC \cdot 0.178AC})$$

$$V = (0.923') (0.248AC + \sqrt{0.248AC})$$

$$V = (0.923') (0.248AC + 0.498AC)$$

$$V = (0.923') (0.746AC)$$

$$V = 0.689 ACFT$$

CMG 12/19/10