



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: SWP11N002

Location Of Pond WEST OF ENTRANCE TO COMMUNITY CENTER OFF OF MENO RVR PKWY

Year Pond Constructed 1995 Year of Last Certification 2010

Compliance Verification	Design (Non-AsBuilt)	Actual (GPS)	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe (IN11N009)					Outlet Pipe Material
Opening Diameter (inches)	NOT LISTED	15"	-	-	15" RCP IN GOOD CONDITION ELEVATIONS TO VARY SLIGHTLY FROM YEAR TO YEAR DUE TO GPS TECHNOLOGY
Upstream Invert	756.50	757.61	-	-	
Downstream Invert	756.41	757.24	-	-	
Length (feet)	20.0 FT	15.0 FT	-	-	
Slope (%)	0.0045',	0.0224',	-	-	
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	-		-	-		
Length of spillway (feet)	-		-	-		
Embankment	Present Yes No		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	-	N	HOLE REQUIRING ATTENTION AT SOUTHWESTERLY CORNER OF POND FLOOR			
Animal burrows or slope erosion or hole	-	N				
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1 (OT11N039)	RCP - 12"		NORTHWEST CORNER		RCP IN GOOD CONDITION, RIPRAP IN END SECTION	
Outfall 2 (OT11N041)	RCP - 24"		EAST EMBANKMENT		RCP IN GOOD CONDITION, RIPRAP IN END SECTION	
Outfall 3						
Storage Properties	Design (NON-ASBUILT)	Actual (GPS)	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	762.00	762.39	-	-		
Area at Normal Water Elevation (Ac) (Wet Ponds)	-	-	-	-	N/A	
Area at Design High Water Elevation (Ac)	-	0.190 AC	-	-		
Active Storage Available (Ac-Ft)*	-	1.006 ACFT	-	-		
Lowest Elevation at Top of Embankment (If Applicable)	762.00	762.39	-	-		
Average Elevation at Top of Embankment (If Applicable)	-	-	-	-	N/A	
Maximum Bottom Elevation	758.00	758.60	-	-		
Average Pond Bottom Elevation	757.75	758.25	-	-		
Pond Bottom Area (Ac)	-	0.084 AC	-	-		
Maximum Pond Depth	5.5 FT	4.14 FT	-	-		
Average Pond Depth	4.25 FT	3.79 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

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

Margaret Rd Retention Pond (West) - SWP11N002

Overview



Outlet OT11N039



Outlet OT11N041



Margaret Rd Retention Pond (West) - SWP11N002

Manhole ST11N026 & Inlet IN11N009



Outlet OT11N026



Margaret Rd Retention Pond (West) - SWP11N002

Repairs Needed (12/2013)

None

Sketch Outlet

Place Photograph of Pond

Place Photograph of Pond

Inspection Firm: VILLAGE OF
MENOMONEE FALLS
 Phone Number: 262-532-4411
 Address: W156N8480 PILGRIM RD
MENOMONEE FALLS, WI
53051

Inspector Name : CHRISTOPHER M GARIEPY
 Inspection Date: 11/14/2013

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



Date: 7/23/2014

Signature: Thomas M Hoffman

Affix Seal Here

$$H = (762.39 \text{ FT} - 758.60 \text{ FT}) = 3.79$$

$$A_1 = 3,654.5 \text{ SF} \left(\frac{\text{AC}}{43560 \text{ FT}^2} \right) = 0.0839 \text{ AC}$$

$$A_2 = 10,707.45 \text{ SF} \left(\frac{\text{AC}}{43560 \text{ FT}^2} \right) = 0.2390 \text{ AC}$$

$$8,265.5 \text{ SF} = 0.1897 \text{ AC}$$

2013
11N002

Margaret Kol Pond West

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

$$V = \left(\frac{3.79}{3} \right) \times (0.0839 \text{ AC} + 0.2390 \text{ AC} + \sqrt{0.0839 \text{ AC} \times 0.2390 \text{ AC}})$$

$$V = 1.263 \text{ FT} \times (0.3229 \text{ AC} + \sqrt{0.3229 \text{ AC}})$$

$$V = 1.263 \text{ FT} \times (0.3229 \text{ AC} + 0.5682 \text{ AC})$$

$$V = 1.263 \text{ FT} \times (0.8911 \text{ AC})$$

$$V = 1.1258 \text{ AC FT}$$

CMG 1/27/14

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

$$V = \left(\frac{3.79}{3} \right) \times (0.0839 \text{ AC} + 0.1897 \text{ AC} + \sqrt{0.0839 \text{ AC} \times 0.1897 \text{ AC}})$$

$$V = 1.263 \text{ FT} \times (0.2736 \text{ AC} + \sqrt{0.2736 \text{ AC}})$$



SWP11N002-SWP11N003

Margaret Ave - MF School Dist

MNFV0042973005

Pond Inspection 111413 CMG



SWP11N002

SWP11N003

FILL IN LARGE SINK HOLE

MNFV0042973001
VILLAGE OF
MENOMONEE FALLS

MNFV0042973007
VILLAGE OF
MENOMONEE FALLS