



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	MENO. FALLS VILLAGE HALL
Property Tax ID Number	0042964001	Address of Property	W156N8480 PILGRIM RD MENO. FALLS, WI 53051

Dry Pond		Description: SWP11N006 P-0145	Location Of Pond	2 ND NORTHERLY MOST POND AT
Wet Pond				NW CORNER OF VLG HALL
Other	X			CAMPUS

Year Pond Constructed 2013 Year of Last Certification 2014

Compliance Verification	Design (Non-AsBuilt)	Actual (GPS)	Compliant Yes	No	Comments (Condition of Structure)
Primary Outlet Pipe (ST010392)					Outlet Pipe Material
Opening Diameter (inches)	12" RCP	12" RCP	X	-	12" RCP IN GOOD CONDITION ELEVATIONS TO VARY SLIGHTLY FROM YEAR TO YEAR DUE TO GPS TECHNOLOGY
Upstream Invert	781.00	780.87	X	-	
Downstream Invert	779.50	779.45	X	-	
Length (feet)	33.2 FT	35.2 FT	X	-	
Slope (%)	0.0452',	0.0403',	X	-	
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) (ST013439)	24"	24"	X	-	GOOD CONDITION
Elevation	784.25	784.04	X	-	
Upper Discharge Control	N/A				
Opening Diameter (inches)			-	-	
Elevation			-	-	

Compliance Verification	Design	Actual	Compliant Yes	No	Comments	
Lower Discharge Control	(ST013439)					
Opening Diameter (inches)	1"	1"	X	-		
Elevation	781.00	780.99	X	-		
Other (Description)	N/A					
Opening Type and Size (inches)			-	-		
Elevation			-	-		
Emergency Spillway						
Elevation	784.00	784.02	X	-		
Length of spillway (feet)	11.0 FT	10.8 FT	X	-		
Embankment	Present Yes		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	-	X				
Animal burrows or slope erosion or hole	-	X				
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1 (ST013446)	RCP 15"		WEST SIDE OF POND		GOOD CONDITION	
Outfall 2	-		-		-	
Outfall 3	-		-		-	
Storage Properties	Design (NON-ASBUILT)	Actual (GPS)	Compliant Yes	No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	N/A	N/A	-	-	N/A	GPS EQUIPMENT: GEOMAX ZENITH 35 & CARLSON SURVEYOR 2 WITH SURV CE v5.04
Design High Water Elevation	785.00	784.04	X	-		
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.005 AC	0.005 AC	X	-		
Area at Design High Water Elevation (Ac)	0.036 AC	0.016 AC	X	-		
Active Storage Available (Ac-Ft)*	0.310 ACFT	0.122 ACFT	X	-		
Lowest Elevation at Top of Embankment (If Applicable)	784.00	784.04	X	-		
Average Elevation at Top of Embankment (If Applicable)	785.00	784.40	X	-		
Maximum Bottom Elevation	781.00	780.99	X	-		
Average Pond Bottom Elevation	781.00	780.88	X	-		
Pond Bottom Area (Ac)	0.002 AC	0.005 AC	X	-		
Maximum Pond Depth	4.00 FT	3.29 FT	X	-		
Average Pond Depth	4.00 FT	3.16 FT	X	-		
Average Permanent Pool Depth (Wet Ponds)	N/A	N/A	-	-	N/A	

*To Determine Active Storage $V = ((H/3)(A_1 + A_2 + ((A_1 + A_2)^{1/2})))$

Wet Ponds Use $H = \text{Height of Section}$, $A_1 = \text{area at normal water elevation}$, $A_2 = \text{area at top section}$

Dry Ponds Use $H = \text{Height of Section}$, $A_1 = \text{pond bottom area}$, $A_2 = \text{area at top section}$

Village Hall Metcalfe Parking Lot Retention Pond – SWP11N006

Overview (Looking SE)



Overflow Structure ST013439



Outlet ST013446



Village Hall Metcalfe Parking Lot Retention Pond – SWP11N006

Emergency Spillway



No Repairs Needed (8/22/2019) CMG

Sketch Outlet

Place Photograph of Pond

Place Photograph of Pond

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>11/18/2019</u>
Address:	<u>W156N8480 PILGRIM RD</u>		
	<u>MENOMONEE FALLS, WI</u>		
	<u>53051</u>		

Certifying

Professional Name: THOMAS M. HOFFMAN, P.E.

Phone Number: 262-532-4415

Date:
1/29/2020

Signature: 

Affix Seal Here

