



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	11NW	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	X	Description: SWP11N005 P-145	Location Of Pond	NEW PARKING LOT @ NW CORNER-METCALFE LOT
Wet Pond				WESTERLY POND
Other				

Year Pond Constructed 2013 Year of Last Certification 2014

Compliance Verification	Design (Non-AsBuilt)	Actual (GPS)	Compliant Yes	Comments (Condition of Structure)
Primary Outlet Pipe (ST013440)				Outlet Pipe Material
Opening Diameter (inches)	12" RCP	12" RCP	X	-
Upstream Invert	782.00	781.97	X	-
Downstream Invert	782.00	781.94	X	-
Length (feet)	55.8 FT	55.2 FT	X	-
Slope (%)	0.0000 '/,	0.0005 '/,	X	-
Secondary Outlet Pipe	N/A			Outlet Pipe Material
Opening Diameter (inches)			-	-
Upstream Invert			-	-
Downstream Invert			-	-
Length (feet)			-	-
Slope (%)			-	-
Riser (ST013440)				Riser Material
Opening Diameter (inches)	21"	21"	X	-
Elevation	785.50	785.20*	X	-
Upper Discharge Control				* ELEV AT TOP OF OVERFLOW STRUCTURE
Opening Diameter (inches)	-	-	-	-
Elevation	-	-	-	-

Compliance Verification	Design	Actual	Compliant Yes	No	Comments			
Lower Discharge Control	(ST013440)							
Opening Diameter (inches)	1.5"	1.5"	X	-	* INVERT ELEVATION OF 1.5" LOWER OPENING IN LARGE OVERFLOWSTRUCTURE LARGE OVERFLOW LEADS TO 12" RCP			
Elevation	782.00	781.74*	X	-				
Other (Description)	N/A							
Opening Type and Size (inches)			-	-				
Elevation			-	-				
Emergency Spillway								
Elevation	785.00	786.00*	X	-	* ELEVATION AT TOP OF RIPRAP, LOW POINT			
Length of spillway (feet)	10.0 FT	10.0 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 (ST013447)	15" RCP		W 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	785.20	X	-				
Area at Normal Water Elevation (Ac) (Wet Ponds)	N/A	0.010 AC	X	-				
Area at Design High Water Elevation (Ac)	0.056 AC	0.039 AC	X	-				
Active Storage Available (Ac-Ft)*	0.426 ACFT	0.265 ACFT	X	-				
Lowest Elevation at Top of Embankment (If Applicable)	785.00	786.00	X	-				
Average Elevation at Top of Embankment (If Applicable)	786.5	786.25	X	-				
Maximum Bottom Elevation	782.00	782.00	X	-				
Average Pond Bottom Elevation	782.00	782.05	X	-				
Pond Bottom Area (Ac)	0.009 AC	0.006 AC	X	-				
Maximum Pond Depth	4.5 FT	3.90 FT	X	-				
Average Pond Depth	4.5 FT	3.95 FT	X	-				
Average Permanent Pool Depth (Wet Ponds)	N/A	N/A	-	-	N/A			

*To Determine Active Storage $V = ((H/3)(A1 + A2 + ((A1 + A2)^(1/2))))$

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

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

Village Hall Metcalfe Parking Lot Retention Pond – SWP11N005

Overview (Looking SE)



Overflow Structure ST013440



Outlet ST013447



Village Hall Metcalfe Parking Lot Retention Pond – SWP11N005

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: 262-5323-4415

Date:
1/29/2020

Signature:



Affix Seal Here

