



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
Wet Pond	
Other	

Description: SWP11N005
P-145

Location Of Pond
NEW PARKING LOT @ NW
CORNER-METCALFE LOT
WESTERLY POND

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 (ST013440)					Outlet Pipe Material
Opening Diameter (inches)	12" RCP	12" RCP	X	-	12" RCP IN GOOD CONDITION
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	-	* ELEV AT TOP OF OVERFLOW STRUCTURE
Elevation	785.50	785.20*	X	-	
Upper Discharge Control					
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 No		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 $V = \left(\left(\frac{H}{3} \right) \left(A1 + A2 + \left(\left(A1 + A2 \right)^{\left(\frac{1}{2} \right)} \right) \right) \right)$

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

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

Inspector Name : CHRISTOPHER M GARIEPY

Inspection Date: 11/18/2019

Certifying

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

Phone Number: 262-5323-4415

Date:
1/29/2020

Signature:




Affix Seal Here