



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	0042964	Address of Property	W156N8480 PILGRIM RD
			MENO. FALLS, WI 53051

Dry Pond	
Wet Pond	X
Other	

Description: SWP11N004
P-0146, U-0146

Location Of Pond

NORTHEAST CORNER OF
PROPERTY NEAR MACARTHUR
DR & KNOLL TER

Year Pond Constructed 2001 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)	15" RCP	15" RCP	X	-	15" RCP IN GOOD CONDITION
Upstream Invert	764.00	763.73	X	-	
Downstream Invert	760.50	760.53	X	-	
Length (feet)	56.0 FT	58.0 FT	X	-	
Slope (%)	0.0625 %	0.0552 %	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)			-	-	
Elevation			-	-	
Upper Discharge Control	N/A				
Opening Diameter (inches)			-	-	
Elevation			-	-	

Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	N/A					
Opening Diameter (inches)			-	-		
Elevation			-	-		
Other (Description)	N/A					
Opening Type and Size (inches)			-	-		
Elevation			-	-		
Emergency Spillway						
Elevation	768.30	767.93	X	-		
Length of spillway (feet)	15.0 FT	12.4 FT	X	-		
Embankment	Present Yes No		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	X	-	REMOVE SMALL WOODY VEGETATION AT SW CORNER OF POND ANIMAL BURROWS PRESENT			
Animal burrows or slope erosion or hole	X	-				
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1 (ST010391)	RCP – 12”		SE CORNER		GOOD CONDITION	
Outfall 2 (ST010393)	RCP – 27”		W-SW CORNER		GOOD CONDITION	
Outfall 3 (ST010394)	RCP – 30”		S-SW CORNER		GOOD CONDITION	
Storage Properties	Design (NON-ASBUILT)	Actual (GPS)	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	764.00	763.53	X	-		GPS EQUIPMENT: GEOMAX ZENITH 35 & CARLSON SURVEYOR 2 WITH SURV CE v5.04
Design High Water Elevation	768.60	768.00	X	-		
Area at Normal Water Elevation (Ac) (Wet Ponds)	-	0.229 AC	X	-		
Area at Design High Water Elevation (Ac)	-	0.662 AC	X	-		
Active Storage Available (Ac-Ft)*	-	3.872 ACFT	X	-		
Lowest Elevation at Top of Embankment (If Applicable)	-	767.85	X	-		
Average Elevation at Top of Embankment (If Applicable)	-	769.90	X	-		
Maximum Bottom Elevation	760.00	759.98	X	-		
Average Pond Bottom Elevation	-	759.65	X	-		
Pond Bottom Area (Ac)	-	0.229 AC	X	-		
Maximum Pond Depth	-	10.32FT	X	-		
Average Pond Depth	-	10.25FT	X	-		
Average Permanent Pool Depth (Wet Ponds)	-	2.54 FT	X	-		

*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

Municipal Park Retention Pond – SWP11N004

Overview (South basin looking W/North basin looking NE)



Municipal Park Retention Pond – SWP11N004

Outlet ST010393



Outlet ST010394



Inlet ST010390



Outlet ST010391



Municipal Park Retention Pond – SWP11N004

Inlet ST010392



Emergency Spillway



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

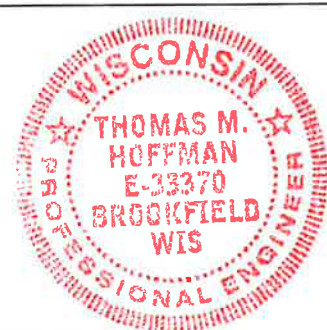
Inspector Name : CHRISTOPHER M GARIEPY

Inspection Date: 9/24/2019

Certifying

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

Phone Number: 262-532-4415



Date:

1/29/2020

Signature:

Thomas M. Hoffman

Affix Seal Here