



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		Description: SWP11N004 P-0146, U-0146	Location Of Pond	NORTHEAST CORNER OF
Wet Pond	X			PROPERTY NEAR MACARTHUR
Other				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)
<b>Primary Outlet Pipe</b> (ST010392)					Outlet Pipe Material
Opening Diameter (inches)	15" RCP	15" RCP	X	-	15" RCP IN GOOD CONDITION  ELEVATIONS TO VARY SLIGHTLY FROM YEAR TO YEAR DUE TO GPS TECHNOLOGY
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	-	
<b>Secondary Outlet Pipe</b>	N/A				Outlet Pipe Material
Opening Diameter (inches)			-	-	
Upstream Invert			-	-	
Downstream Invert			-	-	
Length (feet)			-	-	
Slope (%)			-	-	
<b>Riser</b>	N/A				Riser Material
Opening Diameter (inches)			-	-	
Elevation			-	-	
<b>Upper Discharge Control</b>	N/A				
Opening Diameter (inches)			-	-	
Elevation			-	-	

Compliance Verification	Design	Actual	Compliant Yes	No	Comments			
<b>Lower Discharge Control</b>	N/A							
Opening Diameter (inches)			-	-				
Elevation			-	-				
<b>Other (Description)</b>	N/A							
Opening Type and Size (inches)			-	-				
Elevation			-	-				
<b>Emergency Spillway</b>								
Elevation	768.30	767.93	X	-				
Length of spillway (feet)	15.0 FT	12.4 FT	X	-				
<b>Embankment</b>	Present Yes		Comments/Maintenance Requirements					
Yes								
Unauthorized Plantings, trees, or woody vegetation	X	-	REMOVE SMALL WOODY VEGETATION AT SW CORNER OF POND					
Animal burrows or slope erosion or hole	X	-	ANIMAL BURROWS PRESENT					
<b>Storm Sewer Outfalls</b>	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			
<b>Storage Properties</b>	Design (NON-ASBUILT)	Actual (GPS)	Compliant Yes	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  $V = ((H/3)(A1 + A2 + ((A1 + A2)^{(\frac{1}{2})})))$

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

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

## 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



## Municipal Park Retention Pond – SWP11N004

## Repairs Needed (11/2019)

- At least two (3) animal burrows at southeast corner of south basin



Sketch Outlet

Place Photograph of Pond

Place Photograph of Pond

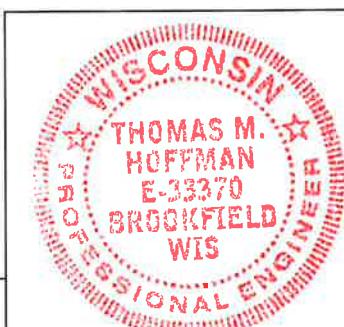
Inspection Firm:	<u>VILLAGE OF MENOMONEE FALLS</u>	Inspector Name :	<u>CHRISTOPHER M GARIEPY</u>
Phone Number:	<u>262-532-4411</u>	Inspection Date:	<u>9/24/2019</u>
Address:	<u>W156N8480 PILGRIM RD</u>		
	<u>MENOMONEE FALLS, WI</u>		
	<u>53051</u>		

Certifying

Professional Name: THOMAS M. HOFFMAN, P.E.  
Phone Number: 262-532-4415

Date: 1/29/2020

Signature: 



Affix Seal Here