



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 03 NE Name of Business/Subdivision OLD FALLS VILLAGE PARK
Property Tax ID Number 0009998 Address of Property N96W15791 COUNTY LINE RD
MENO. FALLS, WI 53051

Dry Pond		Description: SWP03N008 DOT-01.39 & DOT-01.39P	Location Of Pond	WEST PORTION OF OLD
Wet Pond	X			FALLS VILLAGE PARK
Other				PROPERTY (PILGRIM RD & COUNTY LINE RD)

Year Pond Constructed 2009 Year of Last Certification 2014

Compliance Verification	Design (Non-AsBuilt)	Actual (GPS)	Compliant Yes	Comments (Condition of Structure)
Primary Outlet Pipe (ST011527)				Outlet Pipe Material
Opening Diameter (inches)	24" RCP	24" RCP	X	24" RCP IN GOOD CONDITION
Upstream Invert	875.90	875.73	X	
Downstream Invert	875.10	875.14	X	
Length (feet)	60.0 FT	58.2 FT	X	
Slope (%)	0.0010 '/,	0.0101 '/,	X	ELEVATIONS TO VARY SLIGHTLY FROM YEAR TO YEAR DUE TO GPS TECHNOLOGY
Secondary Outlet Pipe	N/A			Outlet Pipe Material
Opening Diameter (inches)			-	
Upstream Invert			-	
Downstream Invert			-	
Length (feet)			-	
Slope (%)			-	
Riser (ST011526)				Riser Material
Opening Diameter (inches)	48"	48"	X	* ELEV AT TOP OF OVERFLOW STRUCTURE
Elevation	878.00	878.00*	X	
Upper Discharge Control (ST011529)				
Opening Diameter (inches)	12" RCP	12" RCP*	X	* INVERT ELEVATION OF 12" LOWER OPENING IN LARGE OVERFLOWSTRUCTURE LARGE OVERFLOW LEADS TO 24" RCP
Elevation	876.00	875.93	X	

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	879.00	879.20*	X	-	* ELEVATION AT TOP OF RIPRAP, LOW POINT	
Length of spillway (feet)	60.0 FT	48.0 FT	X	-		
Embankment	Present Yes No		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	-	X				
Animal burrows or slope erosion or hole	X	-	ANIMAL BURROWS EXIST AROUND POND			
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1 (ST012874)	RCP – 42"		NORTHEAST CORNER		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)	875.00	876.07	X	-		GPS EQUIPMENT: GEOMAX ZENITH 35 & CARLSON SURVEYOR 2 WITH SURV CE v5.04
Design High Water Elevation	881.00	879.20	X	-		
Area at Normal Water Elevation (Ac) (Wet Ponds)	-	0.503 AC	X	-		
Area at Design High Water Elevation (Ac)	-	0.879 AC	X	-		
Active Storage Available (Ac-Ft)*	-	2.985 ACFT	X	-		
Lowest Elevation at Top of Embankment (If Applicable)	879.50	879.20	X	-		
Average Elevation at Top of Embankment (If Applicable)	881.00	880.80	X	-		
Maximum Bottom Elevation	870.90	871.50	X	-		
Average Pond Bottom Elevation	870.90	871.3	X	-		
Pond Bottom Area (Ac)	-	0.503 AC	X	-		
Maximum Pond Depth	10.1 FT	10.0 FT	X	-		
Average Pond Depth	8.6 FT	9.51 FT	X	-		
Average Permanent Pool Depth (Wet Ponds)	4.0 FT	4.72 FT	X	-		

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

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

Old Fall Village Park Retention Pond – SWP03N008

Overview (Looking SE)



Outlet ST012874



Old Fall Village Park Retention Pond – SWP03N008

Inlet ST011529/Overflow ST007960



Old Fall Village Park Retention Pond – SWP03N008

Outlet ST011528



Emergency Spillway



Old Fall Village Park Retention Pond – SWP03N008

Repairs Needed (9/2014)

- Animal burrows evident around pond



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

