



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	
Wet Pond	X
Other	

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

Year Pond Constructed 2009 Year of Last Certification 2014

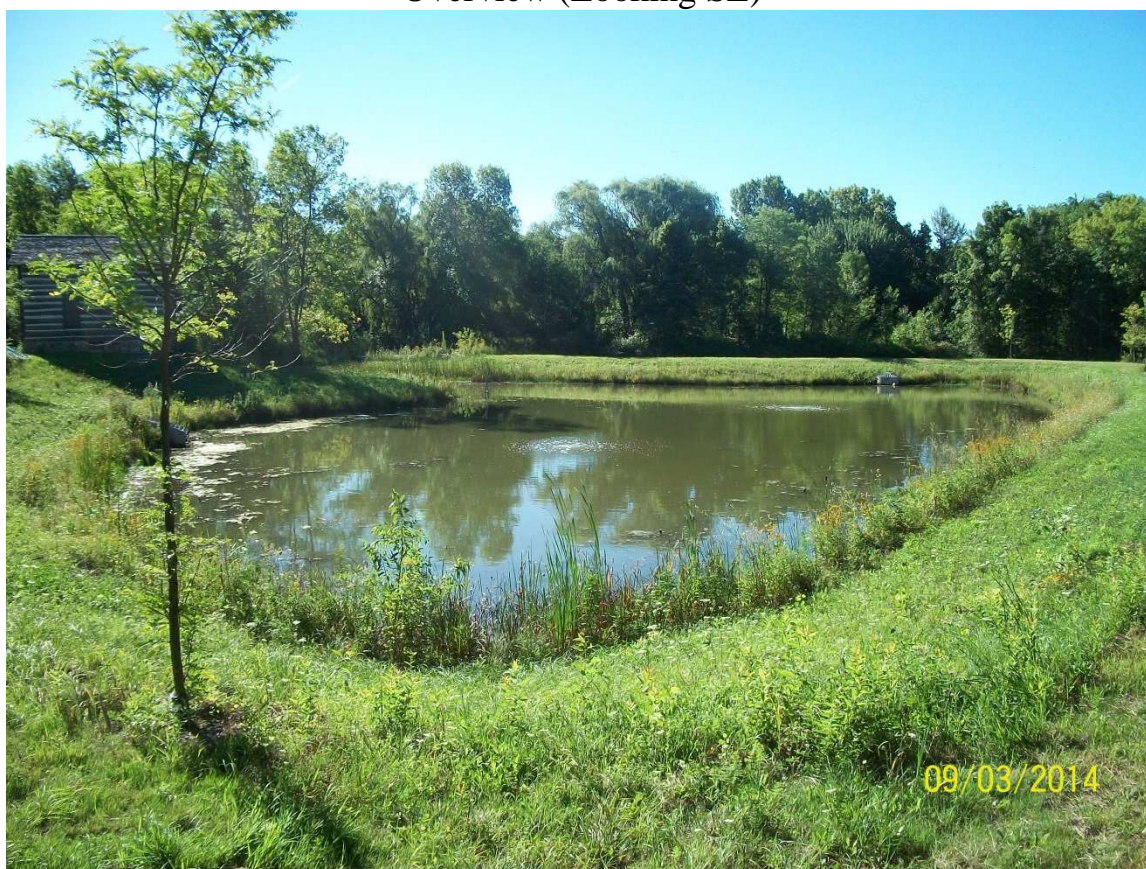
Compliance Verification	Design (Non-AsBuilt)	Actual (GPS)	Compliant Yes No		Comments (Condition of Structure)
Primary Outlet Pipe (ST011527)					Outlet Pipe Material
Opening Diameter (inches)	24" RCP	24" RCP	X	-	24" RCP IN GOOD CONDITION
Upstream Invert	875.90	875.73	X	-	
Downstream Invert	875.10	875.14	X	-	
Length (feet)	60.0 FT	58.2 FT	X	-	
Slope (%)	0.0010 %	0.0101 %	X	-	
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 OVERFLOW STRUCTURE
Elevation	876.00	875.93	X	-	LARGE OVERFLOW LEADS TO 24" RCP

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 EXIST AROUND POND			
Animal burrows or slope erosion or hole	X	-				
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 $V = \left(\left(\frac{H}{3} \right) \left(A1 + A2 + \left(\left(A1 + A2 \right)^{\left(\frac{1}{2} \right)} \right) \right) \right)$
 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

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

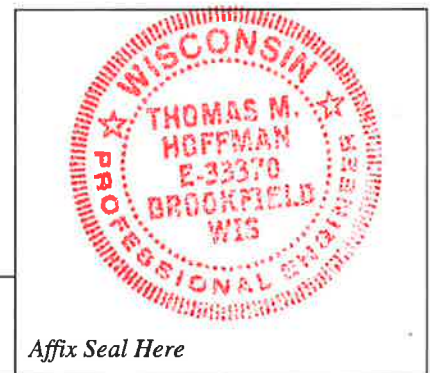
Inspector Name : CHRISTOPHER M GARIEPY

Inspection Date: 9/24/2019

Certifying

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

Phone Number: 262-532-4415



Date:

1/29/2020

Signature:

[Handwritten Signature]

Affix Seal Here