



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	

Location Of Pond WEST PORTION OF OLD FALLS VILLAGE PARK
PROPERTY (PILGRIM RD & COUNTY LINE RD)

Description: SWP03N008
DOT-01.39 & DOT-01.39P

Year Pond Constructed 2009 Year of Last Certification N/A

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	-	-	24" RCP IN GOOD CONDITION
Upstream Invert	875.90	875.85	-	-	
Downstream Invert	875.10	875.31	-	-	
Length (feet)	60.0 FT	58.2 FT	-	-	
Slope (%)	0.0010 %	0.0093%	-	-	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 (ST007960)					Riser Material
Opening Diameter (inches)	48"	48"	-	-	* ELEV AT TOP OF OVERFLOW STRUCTURE
Elevation	878.00	878.95*	-	-	
Upper Discharge Control (ST011529)					
Opening Diameter (inches)	12" RCP	12" RCP*	-	-	* INVERT ELEVATION OF 12" LOWER OPENING IN LARGE OVERFLOWSTRUCTURE
Elevation	876.00	876.08	-	-	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	880.58*	-	-	* ELEVATION AT TOP OF RIPRAP, LOW POINT	
Length of spillway (feet)	60.0 FT	56.2 FT	-	-		
Embankment	Present Yes No		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	-	N	ANIMAL BURROWS PRESENT			
Animal burrows or slope erosion or hole	Y	-				
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 <i>(Wet Ponds)</i>	875.00	875.81	-	-		GPS EQUIPMENT: SOKKIA GSR2700ISX & CARLSON SURVEYOR+ WITH SURV CE v3.02
Design High Water Elevation	881.00	880.90	-	-		
Area at Normal Water Elevation (Ac) <i>(Wet Ponds)</i>	-	0.542 AC	-	-		
Area at Design High Water Elevation (Ac)	-	1.128 AC	-	-		
Active Storage Available (Ac-Ft)*	-	5.025 ACFT	-	-		
Lowest Elevation at Top of Embankment (If Applicable)	879.50	880.60	-	-		
Average Elevation at Top of Embankment (If Applicable)	881.00	881.00	-	-		
Maximum Bottom Elevation	870.90	871.44	-	-		
Average Pond Bottom Elevation	870.90	871.09	-	-		
Pond Bottom Area (Ac)	-	0.295 AC	-	-		
Maximum Pond Depth	10.1 FT	9.81 FT	-	-		
Average Pond Depth	8.6 FT	9.51 FT	-	-		
Average Permanent Pool Depth <i>(Wet Ponds)</i>	4.0 FT	4.72 FT	-	-		

*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

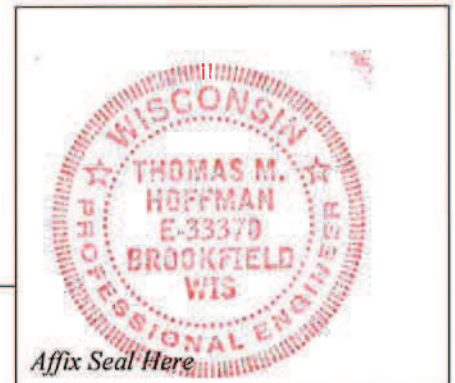
Inspection Firm: VILLAGE OF
MENOMONEE FALLS
Phone Number: 262-532-4411
Address: W156N8480 PILGRIM RD
MENOMONEE FALLS, WI
53051

Inspector Name : CHRISTOPHER M GARIEPY

Inspection Date: 09/03/2014

Certifying
Professional Name:
Phone Number:

Thomas M. Hoffman
262-532-4415



Date:

3/24/2015

Signature:

[Handwritten Signature]

MNEV0000008

SWP03N008

Old Falls Village Park - MNFV0009998
2014 Pond Inspection 090314 CMG



0 5 10 20 30 40 Feet
1 inch = 40 feet

