



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	

Location Of Pond NORTHEAST CORNER OF
PROPERTY NEAR MACARTHUR
DR & KNOLL TER

Description: SWP11N004
P-0146, U-0146

Year Pond Constructed 2001 Year of Last Certification 2010

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	-	-	15" RCP IN GOOD CONDITION
Upstream Invert	764.00	763.73	-	-	
Downstream Invert	760.50	760.50	-	-	
Length (feet)	56.0 FT	58.0 FT	-	-	
Slope (%)	0.0625 %	0.0557 %	-	-	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	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	768.01	-	-		
Length of spillway (feet)	15.0 FT	10.5 FT	-	-		
Embankment	Present Yes No		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	Y	-	REMOVE SMALL WOODY VEGETATION			
Animal burrows or slope erosion or hole	Y	-				
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1 (ST010391)	RCP – 12”		SE CORNER			
Outfall 2 (ST010393)	RCP – 24”		SW CORNER		REPAIRED	
Outfall 3 (ST010394)	RCP – 30”		SW CORNER		REPAIRED	
Storage Properties	Design (NON- ASBUILT)	Actual (GPS)	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	764.00	761.76	-	-		GPS EQUIPMENT: SOKKIA GSR2700ISX & CARLSON SURVEYOR+ WITH SURV CE v3.02
Design High Water Elevation	768.60	768.01	-	-		
Area at Normal Water Elevation (Ac) (Wet Ponds)	-	0.2488 AC	-	-		
Area at Design High Water Elevation (Ac)	-	0.7133 AC	-	-		
Active Storage Available (Ac-Ft)*	-	4.04 ACFT	-	-		
Lowest Elevation at Top of Embankment (If Applicable)	-	767.99	-	-		
Average Elevation at Top of Embankment (If Applicable)	-	770.00	-	-		
Maximum Bottom Elevation	760.00	759.96	-	-		
Average Pond Bottom Elevation	-	759.35	-	-		
Pond Bottom Area (Ac)	-	0.2488 AC	-	-		
Maximum Pond Depth	-	9.50 FT	-	-		
Average Pond Depth	-	8.66 FT	-	-		
Average Permanent Pool Depth (Wet Ponds)	-	2.41 FT	-	-		

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

Wet Ponds Use H = Height of Section , A_1 = area at normal water elevation, A_2 = area at top section

Dry Ponds Use H = Height of Section, A_1 = pond bottom area, A_2 = area at top section

Municipal Park Retention Pond – SWP11N004

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



Municipal Park Retention Pond – SWP11N004

Outlet ST010394



Outlet ST010391



Outlet ST010393

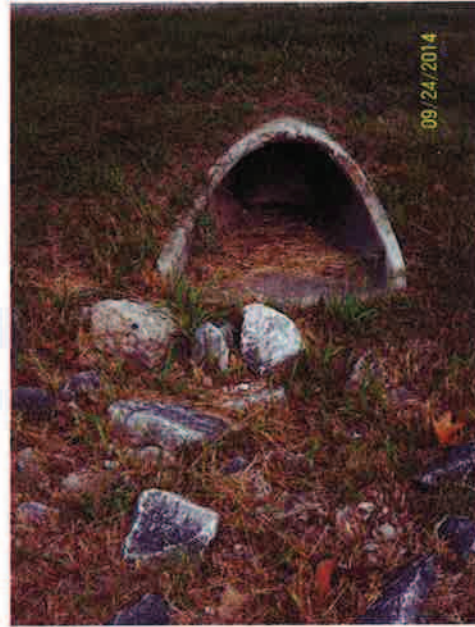


Municipal Park Retention Pond – SWP11N004

Inlet ST010392



Inlet ST002238



Emergency Spillway



Municipal Park Retention Pond – SWP11N004

Repairs Needed (9/2014)

- Animal burrows at southeast corner of south basin
- Remove woody vegetation from pond area.



- Remove Rip Rap from Inlet ST002238



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]

Affix Seal Here

SWP11N004
Mill Rd & Lilly Rd - MNFV0042964
2014 Pond Inspection 090314 CMG

