



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 31 SE Name of Business/Subdivision VMF
Property Tax ID Number 0124999 Address of Property N49W21020 RIVER RD
MENOMONEE FALLS, WI 53051

Dry Pond		Description: SWP31S002 NO ORIGINAL DESIGN CALCS	Location Of Pond	N49W21020 RIVER RD
Wet Pond				RAIN GARDEN
Other	X			

Year Pond Constructed 2012 Year of Last Certification 2014

Compliance Verification	Design (Non-AsBuilt)	Actual (GPS)	Compliant Yes	Comments (Condition of Structure)
Primary Outlet Pipe				Outlet Pipe Material
Opening Diameter (inches)	-	-	-	
Upstream Invert	-	-	-	
Downstream Invert	-	-	-	
Length (feet)	-	-	-	
Slope (%)	-	-	-	ELEVATIONS TO VARY SLIGHTLY FROM YEAR TO YEAR DUE TO GPS TECHNOLOGY
Secondary Outlet Pipe				Outlet Pipe Material
Opening Diameter (inches)	-	-	-	
Upstream Invert	-	-	-	
Downstream Invert	-	-	-	
Length (feet)	-	-	-	
Slope (%)	-	-	-	
Riser				Riser Material
Opening Diameter (inches)	-	-	-	
Elevation	-	-	-	
Upper Discharge Control				
Opening Diameter (inches)	-	-	-	
Elevation	-	-	-	

Compliance Verification	Design	Actual	Compliant Yes	No	Comments	
Lower Discharge Control						
Opening Diameter (inches)	-	-	-	-		
Elevation	-	-	-	-		
Other (Description)						
Opening Type and Size (inches)	-	-	-	-		
Elevation	-	-	-	-		
Emergency Spillway						
Elevation	-	831.90	-	-		
Length of spillway (feet)	-	3.8 FT	-	-		
Embankment	Present Yes	No	Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	-	N				
Animal burrows or slope erosion or hole	-	N				
Storm Sewer Outfalls	Type & Size		Location	Comments		
Outfall 1	-					
Outfall 2	-					
Outfall 3	-					
Storage Properties	Design (NON-ASBUILT)	Actual (GPS)	Compliant Yes	No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	-	N/A	-	-	N/A	GPS EQUIPMENT: GEOMAX ZENITH 35 & CARLSON SURVEYOR 2 WITH SURV CE v5.04
Design High Water Elevation	-	831.90	-	-		
Area at Normal Water Elevation (Ac) (Wet Ponds)	-	0.013 AC	-	-	N/A	
Area at Design High Water Elevation (Ac)	-	0.022 AC	-	-		
Active Storage Available (Ac-Ft)*	-	0.011 ACFT	-	-		
Lowest Elevation at Top of Embankment (If Applicable)	-	831.90	-	-		
Average Elevation at Top of Embankment (If Applicable)	-	832.20	-	-		
Maximum Bottom Elevation	-	831.90	-	-		
Average Pond Bottom Elevation	-	831.96	-	-		
Pond Bottom Area (Ac)	-	0.005 AC	-	-		
Maximum Pond Depth	-	0.30FT	-	-		
Average Pond Depth	-	0.24FT	-	-		
Average Permanent Pool Depth (Wet Ponds)	-	N/A	-	-	N/A	

*To Determine Active Storage $V = ((H/3)(A1 + A2 + ((A1 + A2)^{1/2})))$

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

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

Section 31/River Rd Rain Garden – SWP31S002

Overview & Emergency Spillway (Looking NW)



No Repairs Needed 8/24/19 CMG

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>8/23/2019</u>
Address:	<u>W156N8480 PILGRIM RD</u>		
	<u>MENOMONEE FALLS, WI</u>		
	<u>53051</u>		

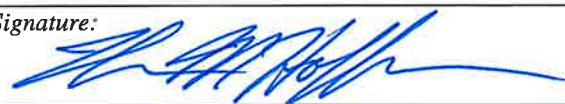
Certifying

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

Phone Number: 262-532-4415

Date: 1/29/2020

Signature:



Affix Seal Here

