



VILLAGE OF MENOMONEE FALLS  
W156 N8480 Pilgrim Road  
Menomonee Falls, WI 53051  
(262) 532-4200

## STORMWATER MANAGEMENT FACILITIES OPERATION AND INSPECTION REPORT

Quarter Section 23 NE Name of Business/Subdivision OAKWOOD PARK/  
Property Tax ID Number 0089962003 Address of Property WINTER FARM POND/  
WINTER HOLLOW SUBD

Dry Pond	
Wet Pond	X
Other	

Description: SWP23N006  
P-0074

Location Of Pond SOUTH OF GOOD HOPE RD &  
WEST OF LILLY RD...  
NEAR TERRACE DR & DENNIS  
DROESE DR

Year Pond Constructed 1998 Year of Last Certification 2015

Compliance Verification	Design (Non-AsBuilt)	Actual (GPS)	Compliant Yes	No	Comments (Condition of Structure)
<b>Primary Outlet Pipe</b> (ST011270)					Outlet Pipe Material
Opening Diameter (inches)	48" RCP	48" RCP	-	-	48" RCP IN GOOD CONDITION
Upstream Invert	774.43	777.39	-	-	
Downstream Invert	N/A	774.61	-	-	
Length (feet)	114.0 FT	104.9 FT	-	-	
Slope (%)	N/A	2.65%	-	-	
					ELEVATIONS TO VARY SLIGHTLY FROM YEAR TO YEAR DUE TO GPS TECHNOLOGY
<b>Secondary Outlet Pipe</b>	N/A				Outlet Pipe Material
Opening Diameter (inches)			-	-	
Upstream Invert			-	-	
Downstream Invert			-	-	
Length (feet)			-	-	
Slope (%)			-	-	
<b>Riser</b>	N/A				Riser Material
Opening Diameter (inches)		96" X 96" BOX	-	-	RCP @ TOP OF LOWEST ENTRY POINT FOR WATER ABOVE WEIR
Elevation		778.72-781.84	-	-	
<b>Upper Discharge Control</b>	(ST014026)				
Opening Diameter (inches)	N/A	SEE NOTE	-	-	V-NOTCH WEIR INTO 48" RCP
Elevation	776.73	778.72	-	-	TOP OF V-NOTCH

Compliance Verification	Design	Actual	Compliant Yes    No		Comments	
Lower Discharge Control	(ST014026)					
Opening Diameter (inches)	N/A	SEE NOTE	-	-	V-NOTCH WEIR INTO 48” RCP	
Elevation	774.43	777.39	-	-	BOTTOM OF WIER V-NOTCH	
Other (Description)	N/A					
Opening Type and Size (inches)			-	-		
Elevation			-	-		
Emergency Spillway						
Elevation	784.13	784.50	-	-		
Length of spillway (feet)	50.0 FT	52.3 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 (ST011272)	RCP – 18”		SOUTHEAST POND		GOOD CONDITION	
Outfall 2 (ST011259)	RCP – 15”		SOUTH POND		GOOD CONDITION, REMOVE VGTN	
Outfall 3 (ST011273)	RCP – 72”		WEST POND		→END SECTION OFF OF STORM SEWER SEVERAL INCHES	
Outfall 4 (ST011274)	RCP – 72”		NORTHEAST POND			
Outfall 5						
Storage Properties	Design (NON-ASBUILT)	Actual (GPS)	Compliant Yes    No	Not Applicable	Equipment Used	
Normal Water Elevation (Wet Ponds)	777.00	777.14	-	-	GPS EQUIPMENT: GEOMAX ZENITH35 & CARLSON SURVEYOR2 WITH SURV CE v5.04	
Design High Water Elevation	783.20	784.50	-	-		
Area at Normal Water Elevation (Ac) (Wet Ponds)	N/A	4.913 AC	-	-		
Area at Design High Water Elevation (Ac)	N/A	8.984 AC	-	-		
Active Storage Available (Ac-Ft)*	N/A	43.305 ACFT	-	-		
Lowest Elevation at Top of Embankment (If Applicable)	N/A	784.40	-	-		
Average Elevation at Top of Embankment (If Applicable)	N/A	785.25	-	-	DEPTH NOT EVALUATED	
Maximum Bottom Elevation	N/A	N/A	-	-		
Average Pond Bottom Elevation	N/A	N/A	-	-		
Pond Bottom Area (Ac)	N/A	-	-	-		
Maximum Pond Depth	N/A	N/A	-	-		
Average Pond Depth	N/A	N/A	-	-		
Average Permanent Pool Depth (Wet Ponds)	N/A	N/A	-	-	DEPTH NOT EVALUATED	

\*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

# Oakwood Park Retention Pond – SWP23N006

## Overview



12/07/2020

12/07/2020

## Storm Water Outlet ST011259



12/07/2020



## Oakwood Park Retention Pond – SWP23N006

Storm Water Outlet ST011272



Storm Water Outlet ST011273





## Oakwood Park Retention Pond – SWP23N006

### Storm Water Outlet ST011274



# Oakwood Park Retention Pond – SWP23N006

## Overflow Structure ST014026



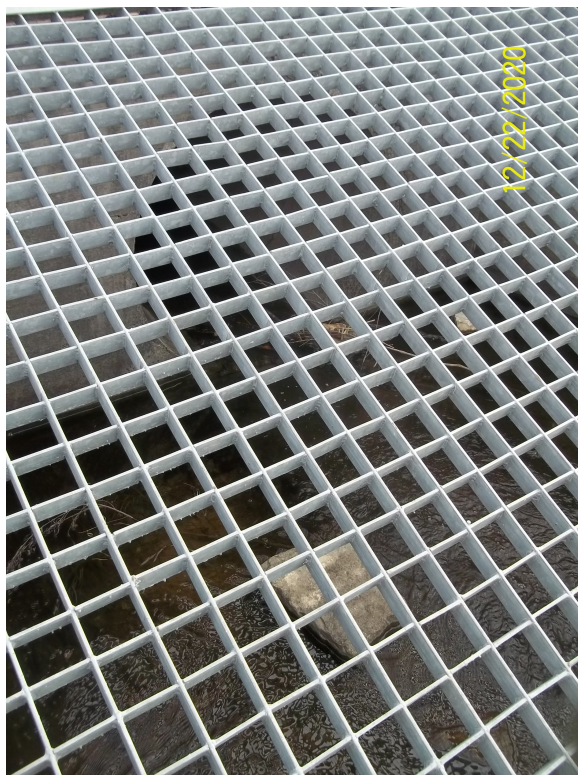
## Weir





## Oakwood Park Retention Pond – SWP23N006

Storm Sewer Overflow Inlet ST011270



Storm Sewer Outlet ST011269





## Oakwood Park Retention Pond – SWP23N006

### Emergency Spillway



## Oakwood Park Retention Pond – SWP23N006

Repairs Needed (12/8/2020)

1) Storm Sewer Outlet ST011273

- Gap in Joint (60" Dia)



2) TRIP HAZARD

Newer asphalt patch in path located E of N70W14451 Terrace Dr (on the west side of the pond) has a small 2"-4" bump of asphalt sticking up on the walking path surface.

Determine best course of action to eliminate this trip hazard.

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

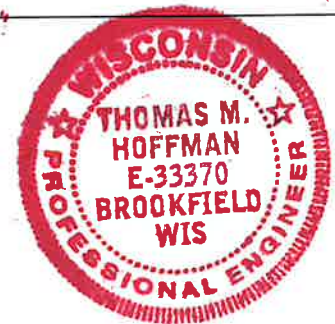
Inspector Name: CHRISTOPHER M GARIEPY

Inspection Date: 12/08/2020

Certifying

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

Phone Number: (262) 532-4415



Date:

1/28/2021

Signature:

[Handwritten Signature]

Affix Seal Here