



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 12 SW Name of Business/Subdivision RIVER'S EDGE PARK POND
Property Tax ID Number 0047975001 Address of Property _____

Dry Pond	
Wet Pond	X
Other	

Description: SWP12S010
C-97A, C-97M, U-218,
U-919 – U-922

Location Of Pond SOUTH OF PARKVIEW DR

Year Pond Constructed 1968 Year of Last Certification UNKNOWN

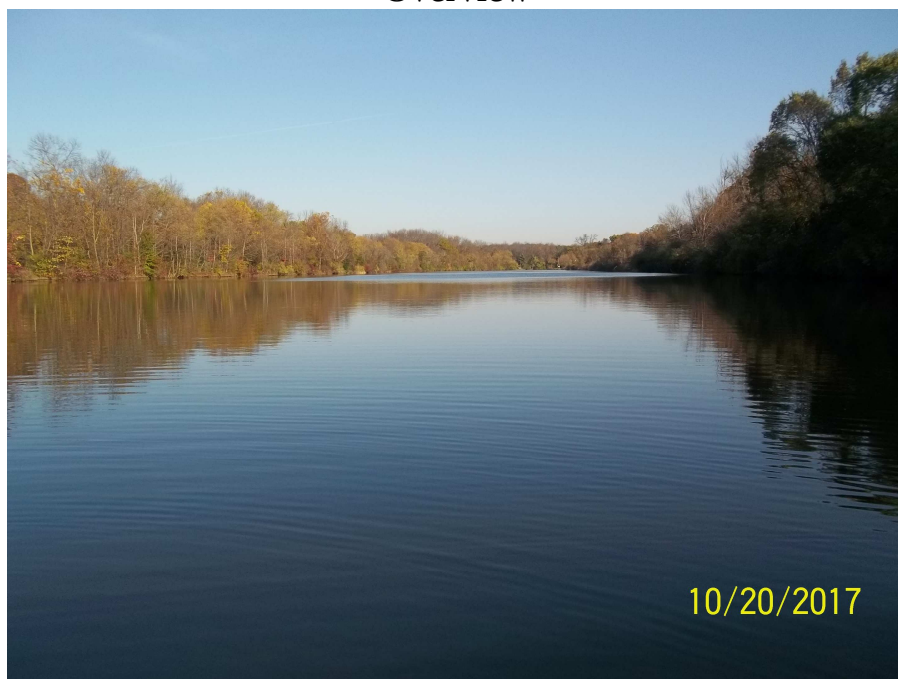
Compliance Verification	Design (Non-AsBuilt)	Actual (GPS)	Compliant Yes	No	Comments (Condition of Structure)
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	24" RCP	24" RCP	Y	-	-SEE PICTURES FOR CONTROL STRUCTURE ELEVATIONS TO VARY SLIGHTLY FROM YEAR TO YEAR DUE TO GPS TECHNOLOGY
Upstream Invert (ST14268)	748.50	748.57	Y	-	
Downstream Invert (ST14269)	747.07	747.06	Y	-	
Length (feet)	33.5 FT	36.3 FT	Y	-	
Slope (%)	0.0382',	0.0413',	Y	-	
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		N/A	-	-		
Length of spillway (feet)		N/A	-	-		
Embankment	Present Yes No		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	Y	-	WOODY VEGETATION ON SHORELINE			
Animal burrows or slope erosion or hole	Y	-	POSSIBLE BURROWING @ WATERLINE, ISOLATED HOLE			
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1 (ST014266)	24" RCP		N BANK OF POND		GOOD CONDITION	
Outfall 2 (ST014267)	48" RCP		E CENTRAL BANK OF POND		GOOD CONDITION	
Outfall 3						
Storage Properties	Design (NON-ASBUILT)	Actual (GPS)	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	750.90	750.52	Y	-		GPS EQUIPMENT: GEOMAX ZENITH35 & CARLSON SURVEYOR2 WITH SURV CE 5.04
Design High Water Elevation	-	752.91	Y	-		
Area at Normal Water Elevation (Ac) (Wet Ponds)	-	9.875 AC	Y	-		
Area at Design High Water Elevation (Ac)	-	10.778 AC	Y	-		
Active Storage Available (Ac-Ft)*	-	19.226 ACFT	Y	-		
Lowest Elevation at Top of Embankment (If Applicable)	-	752.91	Y	-		
Average Elevation at Top of Embankment (If Applicable)	-	753.00	Y	-		
Maximum Bottom Elevation	-	745.37	Y	-		
Average Pond Bottom Elevation	-	744.85	Y	-		
Pond Bottom Area (Ac)	-	-	Y	-		
Maximum Pond Depth	-	8.06 FT	Y	-		
Average Pond Depth	-	5.67 FT	Y	-		
Average Permanent Pool Depth (Wet Ponds)	-	5.67 FT	Y	-		

*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

River's Edge Park Pond – SWP12S010

Overview



Overflow Manhole ST13N036



River's Edge Park Pond – SWP12S010

Overflow Outlet ST014269



Outlet ST014266



River's Edge Park Pond – SWP12S010

Outlet ST014267



No Repairs Needed 10/27/2017

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: 10/23/2017

Certifying
Professional Name: THOMAS M. HOFFMAN, P.E.
Phone Number: 262-532-4415



Date: 4/24/2018

Signature: 

Affix Seal Here

2017
12590

$$H = \frac{75291 - 2.291}{53.4} = 150.62 = 2.32'$$

$$A_1 = 9.875 \text{ Ac}$$

$$A_2 = 10.778 \text{ Ac}$$

River's Edge Road

$$V = \left(\frac{H}{3} \right) (A_1 + A_2 + \sqrt{A_1 A_2})$$

$$V = \left(\frac{2.32}{3} \right) (9.875 \text{ Ac} + 10.778 \text{ Ac} + \sqrt{9.875 \text{ Ac} \times 10.778 \text{ Ac}})$$

$$V = \left(\frac{0.763}{0.773} \right) (20.653 \text{ Ac} + \sqrt{20.653 \text{ Ac}})$$

$$V = \left(\frac{0.763}{0.773} \right) (25.198 \text{ Ac})$$

$$V = 19.226 \text{ Ac} \checkmark$$

$$V = 19.987 \text{ Ac Ft}$$

CMG 1/5/18



SWP12S010
RIVER'S EDGE POND
SURVEY DATA 102317 CMG QDM



SCHLOSSER ROBERT J
MNFV0050999
W140N7650 LILLY RD

BERNARD DUKE TRUST DATED MARCH 6, 2013
MNFV0050998
W140N7912 LILLY RD

KUTTY KESAVAN
MNFV0050997
W140N7866 LILLY RD

Pipe Abandoned 2016