



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  
Property Tax ID Number

NE1/4 24-8-20  
MNFV00939  
47009

Name of Business/Subdivision  
Address of Property

Falls Baptist Church  
Northfield Dr.

Date 08/06/19

Menomonee Falls, WI  
53051

Dry Pond		Pond ID: <u>SWP24N004</u>	Location of Pond	Lot 4 of CSM No. 9880, East side of site
Wet Pond	X			
Other				

Year Pond  
Constructed

2004

Year of Last  
Certification

2013

Compliance Verification	Design	Actual	Compliant Yes      No	Comments ( Condition of Structure)
<b>Primary Outlet Pipe</b>				
Opening Diameter (inches)	12"	12"	X	Concrete
Upstream Invert	775.00	774.9	X	
Downstream Invert	774.00	774.20	X	
Length (feet)	52.0'	45.0'	X	
Slope (%)	1.92%	1.56%	X	
<b>Secondary Outlet Pipe</b>	(If Applicable)			
Opening Diameter (inches)				Outlet Pipe Material
Upstream Invert				
Downstream Invert				
Length (feet)				
Slope (%)				
<b>Riser</b>	(If Applicable)			
Opening Diameter (inches)				Riser Material
Elevation				
<b>Upper Discharge Control</b>	(If Applicable)			
Opening Diameter (inches)				
Elevation				

Compliance Verification	Design	Actual	Compliant Yes No		Comments
<b>Lower Discharge Control</b>	(If Applicable)				
Opening Diameter (inches)					
Elevation					
<b>Other (Description)</b>					
Opening Type and Size (inches)	4"	5"	X		
Elevation	775.00	774.9	X		
<b>Emergency Spillway</b>					
Elevation	780.50	780.20	X		
Length of spillway (feet)	20.0'	20'	X		
<b>Embankment</b>	Present Yes no		Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation	X		Maintenance Required: removal of woody vegetation		
Animal burrows or slope erosion		X			
<b>Storm Sewer Outfalls</b>	Type & Size		Location		Comments
Outfall 1	15" RCP		SW COR. OF POND		HEAVY VEGETATION
Outfall 2					
Outfall 3					
<b>Storage Properties</b>	Design	Actual	Compliant Yes No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	775.00	775.00	X		TRIMBLE R6 GPS TRIMBLE S6 TS
Design High Water Elevation	779.10	780.02	X		
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.062	0.049	X		
Area at Design High Water Elevation (Ac)	0.165	0.145	X		
Active Storage Available (Ac-Ft)*	1.049	0.481	X		
Lowest Elevation at Top of Embankment (If Applicable)	781.50	781.30	X		
Average Elevation at Top of Embankment (If Applicable)	782.50	781.50	X		
Maximum Bottom Elevation	772.00	771.23	X		
Average Pond Bottom Elevation	772.00	772.00	X		
Pond Bottom Area (Ac)	0.003	0.005	X		
Maximum Pond Depth	3.0'	3.77'	X		
Average Pond Depth	3.0'	3.0'	X		
Average Permanent Pool Depth (Wet Ponds)	3.0'	3.0'	X		

\*To Determine Active Storage  $V=H/3(A1+A2+(A1xA2)1/2)$

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

Sketch Outlet or Attach to Document

**See Attached**

Place Photograph of Pond or Attach to Document

**See Attached**

Place Photograph of Pond or Attach to Document

**See Attached**

Attach As-built Survey to the Document for the first report submission

Inspection Firm: JSD Professional Services  
Phone Number: 262.513.0666  
Address: W238 N1610 Busse Rd  
Suite 100  
Waukesha, WI 53186

Inspector Name : David Nash  
Inspection Date: August 3, 2019

Certifying Professional

Name: Rizal W. Iskandarsjach P.L.S., P.E.  
Phone Number: 262.513.0666

Date:  
August 6, 2019

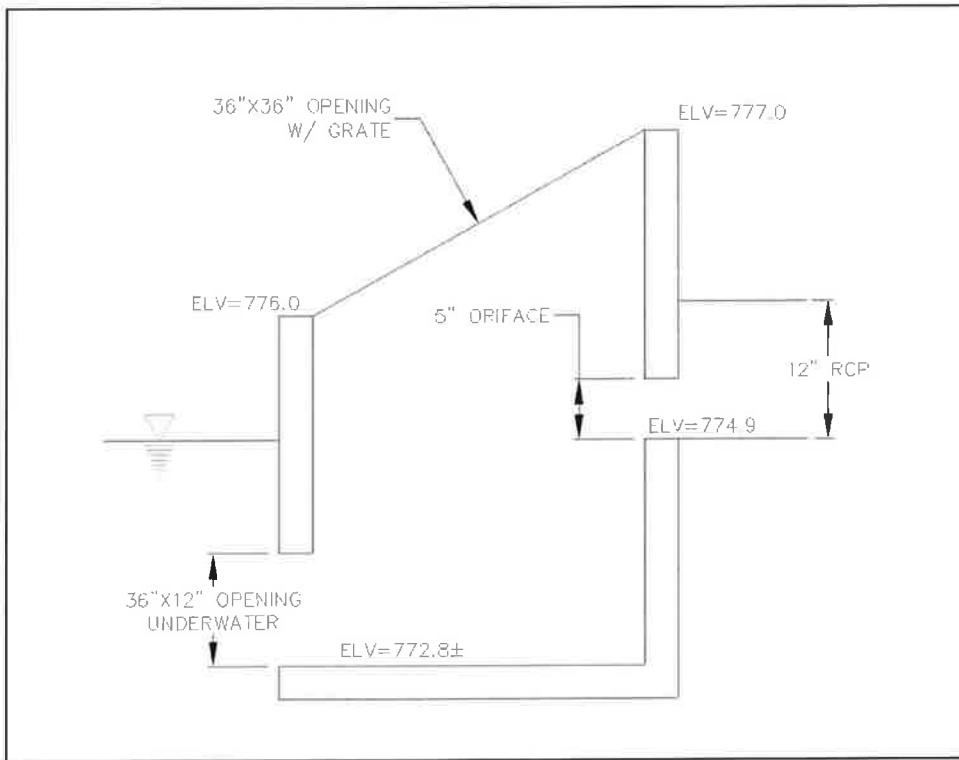
Signature:

*Rizal Iskandarsjach*



Affix Seal Here

*Sketch Outlet*



SWMP Inspection Photos SWP24N004 (7/1/2019) – Village of Menomonee Falls, WI



Figure 1: NE pond, looking south at raised berm



Figure 2: NW of pond, looking east at repaired emergency spillway

SWMP Inspection Photos SWP24N004 (7/1/2019) – Village of Menomonee Falls, WI



**Figure 3: NW of pond, looking south at raised berm with emergency spillway in foreground**



**Figure 4: NE of pond, looking west at emergency spillway and outlet structure**

