



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 NE1/4 24-8-20 Name of Business/Subdivision Falls Baptist Church
 Property Tax ID Number MNFV00939 Address of Property Northfield Dr.
47009
 Date 08/06/19 Menomonee Falls, WI
53051

Dry Pond	
Wet Pond	X
Other	

Location of Pond Lot 4 of CSM No. 9880, East side of site
 Pond ID: SWP24N004

Year Pond Constructed 2004 Year of Last Certification 2013

Compliance Verification	Design	Actual	Compliant Yes No	Comments (Condition of Structure)
Primary Outlet Pipe				Outlet Pipe Material
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	
Secondary Outlet Pipe	(If Applicable)			Outlet Pipe Material
Opening Diameter (inches)				
Upstream Invert				
Downstream Invert				
Length (feet)				
Slope (%)				
Riser	(If Applicable)			Riser Material
Opening Diameter (inches)				
Elevation				
Upper Discharge Control	(If Applicable)			
Opening Diameter (inches)				
Elevation				

Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)						
Elevation						
Other (Description)						
Opening Type and Size (inches)	4"	5"	X			
Elevation	775.00	774.9	X			
Emergency Spillway						
Elevation	780.50	780.20	X			
Length of spillway (feet)	20.0'	20'	X			
Embankment	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				
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1	15" RCP		SW COR. OF POND		HEAVY VEGETATION	
Outfall 2						
Outfall 3						
Storage Properties	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 $V = H/3(A1 + A2 + (A1 \times A2)^{1/2})$

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

<p><i>Sketch Outlet or Attach to Document</i></p> <p>See Attached</p>	<p style="text-align: center;"><i>Place Photograph of Pond or Attach to Document</i></p> <p style="text-align: center;">See Attached</p>
	<p style="text-align: center;"><i>Place Photograph of Pond or Attach to Document</i></p> <p style="text-align: center;">See Attached</p>

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

Inspection Firm:	JSD Professional Services	Inspector Name :	David Nash
Phone Number:	262.513.0666	Inspection Date:	August 3, 2019
Address:	W238 N1610 Busse Rd		
	Suite 100		
	Waukesha, WI 53186		

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



<p>Date:</p> <p>August 6, 2019</p>	<p>Signature:</p> <p style="font-size: 1.5em; color: blue;"><i>Rizal Iskandarsjach</i></p>
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Affix Seal Here

Sketch Outlet

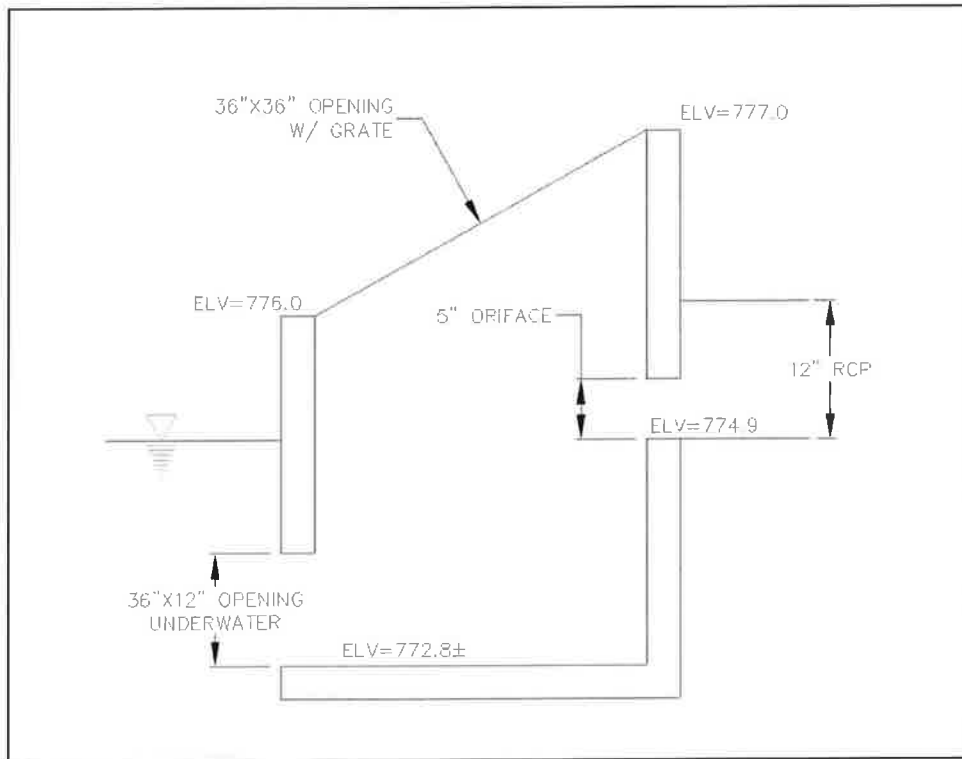




Figure 1: NE pond, looking south at raised berm



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



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

