



2004 file

oct 2013

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 NE 1/4 Sec 24-8-19 Name of Business/Subdivision Falls Baptist Church  
 Property Tax ID Number 0093-947-009 Address of Property Northfield Dr.  
 Date \_\_\_\_\_ Menomonee Fall, WI  
53015

Dry Pond	
Wet Pond	X
Other	

Location of Pond Lot 4 CSM 9880; East side of site  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Pond ID: SWP 24N004

Year Pond Constructed 2004 Year of Last Certification 5/27/2010  
8/6/2013 review

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
<b>Primary Outlet Pipe</b>					
Opening Diameter (inches)	12 inch	12 inch			Outlet Pipe Material RCP, good condition; overgrown vegetation around outlet rip rap cleared during Sept-Oct '13 pond rehab
Upstream Invert	775.00	774.9			
Downstream Invert	774.00	774.2			
Length (feet)	52.0 ft	45.0 ft			
Slope (%)	1.92%	1.56%			
<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		Comments	
			Yes	No		
<b>Lower Discharge Control</b>	(If Applicable)					
Opening Diameter (inches)						
Elevation						
<b>Other (Description)</b>						
Opening Type and Size (inches)	4 inch	5 inch				
Elevation	775.00	774.9				
<b>Emergency Spillway</b>						
Elevation	780.50	780.5			Repaired per 8/6/13 pond rehab recommendation	
Length of spillway (feet)	20.0 ft	20 ft				
<b>Embankment</b>	Present		Comments/Maintenance Requirements			
	Yes	no				
Unauthorized Plantings, trees, or woody vegetation						
Animal burrows or slope erosion						
<b>Storm Sewer Outfalls</b>	Type & Size		Location		Comments	
Outfall 1						
Outfall 2						
Outfall 3						
<b>Storage Properties</b>	Design	Actual	Compliant		Not Applicable	Equipment Used
			Yes	No		
Normal Water Elevation (Wet Ponds)	775.00	774.9				Trimble R6 GPS HydoCAD v10.0  Note: Repaired per 8/6/13 pond rehab recommendation
Design High Water Elevation	779.10	780.02				
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.062	0.055				
Area at Design High Water Elevation (Ac)	0.165	0.146				
Active Storage Available (Ac-Ft)*	1.049	0.656				
Lowest Elevation at Top of Embankment (If Applicable)	781.50	781.5				
Average Elevation at Top of Embankment (If Applicable)	782.50	782.3				
Maximum Bottom Elevation	772.00	771.5				
Average Pond Bottom Elevation	772.00	772.0				
Pond Bottom Area (Ac)	0.003	0.006				
Maximum Pond Depth		3.5 ft				
Average Pond Depth		3 ft				
Average Permanent Pool Depth (Wet Ponds)	3 ft	3 ft				

\*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><i>See Attached</i></p>	<p><i>Place Photograph of Pond or Attach to Document</i></p> <p><i>See attached</i></p>
	<p><i>Place Photograph of Pond or Attach to Document</i></p>

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

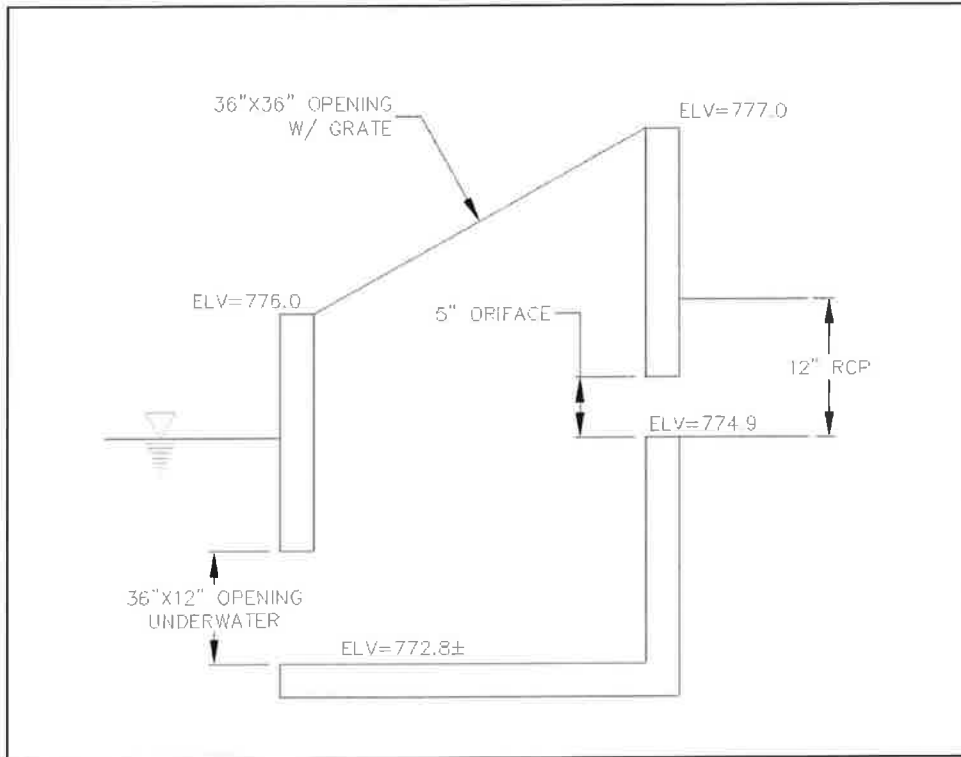
Inspection Firm: JSD Professional Services, Inc    Inspector Name : Rizal Iskandarsjach  
 Phone Number: 262.513.0666    Inspection Date: October 21, 2013  
 Address: N22 W22931 Nancys Ct  
           Suite 3  
           Waukesha, WI 53186

Certifying Professional *Rizal Iskandarsjach*  
 Name: \_\_\_\_\_  
 Phone Number: 262.513.0666



Date: 10/24/13    Signature: *Rizal Iskandarsjach*

Sketch Outlet





NE pond, looking south at raised berm (Oct. 21, 2013)



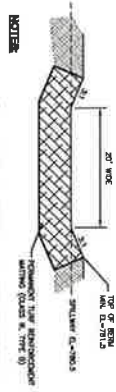
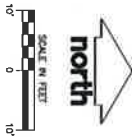
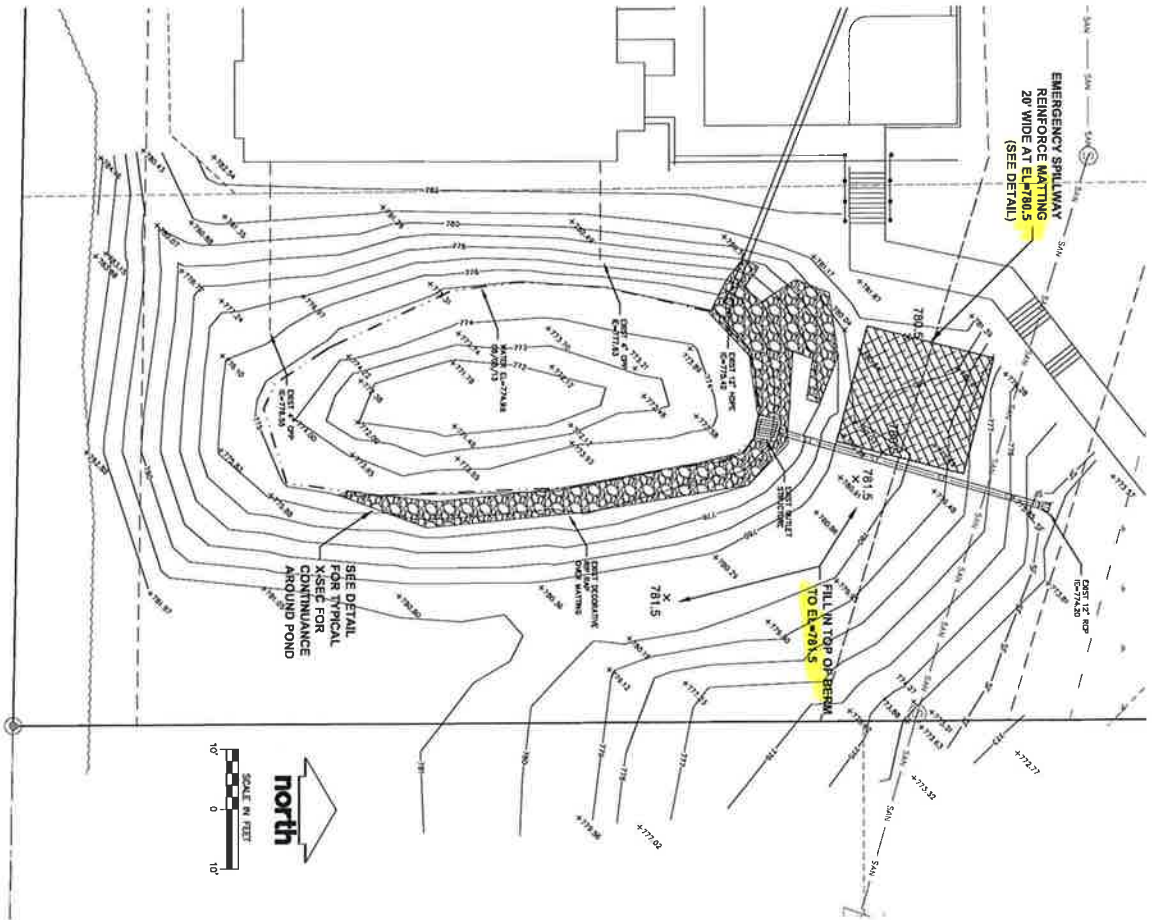
NW of pond, looking east at repaired emergency spillway (Oct. 21, 2013)



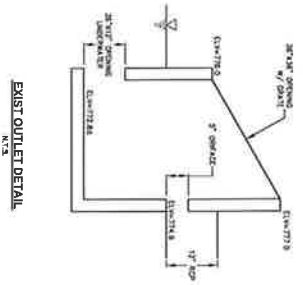
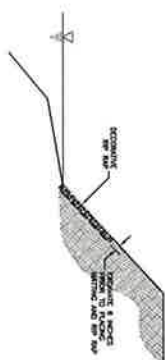
NW of pond, looking south at raised berm with emergency spillway in foreground (Oct. 21, 2013)



NE of pond, looking west at emergency spillway and outlet structure (Oct. 21, 2013)



- NOTES**
1. OTHER MATING TO SECURE THE SLOPES OF THE SPILLWAY ON THE WEST OF THE POND.
  2. OTHER MATING TO THE TOP OF BERM ON THE EAST OF THE POND.
  3. MATING SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL TECHNICAL CODE AND MANUFACTURER'S INSTRUCTIONS.



*Completed*

<p><b>JSD</b> Professional Services, Inc.                  Engineers • Surveyors • Planners</p> <p>1100 WEST WISCONSIN AVENUE, SUITE 200                  MILWAUKEE, WISCONSIN 53233                  TEL: 414.224.2200 FAX: 414.224.2201                  WWW.JSDINC.COM</p>		<p>PROJECT:                  DORMITORY                  POND                  REHAB</p>	<p>PRODUCT LOCATION:                  MENOMONIE FALLS                  WALDOREN COUNTY, WI</p>	<p>DATE: 12/13/2012</p>
<p>DESIGNED BY: BML                  DRAWN BY: BML                  CHECKED BY: BML                  DATE: 12/13/2012</p>		<p>PROJECT NO.: 13-2805</p>	<p>SCALE: AS SHOWN</p>	<p>PROJECT NO.: 13-2805</p>
<p><b>DISPERSED</b> <b>NOT</b> <b>LINE</b></p> <p>CALL 811 or (800) 242-3571                  BEFORE ANY EXCAVATION OR                  DRILLING OPERATIONS.                  WWW.CALL811.COM</p>		<p>PROJECT NO.: 13-2805</p>	<p>PROJECT NO.: 13-2805</p>	<p>PROJECT NO.: 13-2805</p>
<p>SHEET NUMBER:  <b>C-1.0</b></p>		<p>PROJECT NO.: 13-2805</p>	<p>PROJECT NO.: 13-2805</p>	<p>PROJECT NO.: 13-2805</p>