



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 Northfield Manor  
Property Tax ID Number MNFV00939 Address of Property W128N6900 Northfield Dr.  
Date 04/24/14 47008  
Menomonee Falls, WI

Dry Pond	
Wet Pond	X
Other	

Location of Pond South portion of site  
Lot 3 of CSM No. 9880

Pond ID: SWP24N003

Year Pond Constructed 2004 Year of Last Certification 2010

Compliance Verification	Design	Actual	Compliant Yes	No	Comments ( Condition of Structure)
<b>Primary Outlet Pipe</b>					Outlet Pipe Material
Opening Diameter (inches)	12"	12"			Concrete
Upstream Invert	776.00	776.06			
Downstream Invert	775.97	775.70			
Length (feet)	56.0'	43.2'			
Slope (%)	0.05%	0.83%			
<b>Secondary Outlet Pipe</b>	(If Applicable)				Outlet Pipe Material
Opening Diameter (inches)					
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
<b>Riser</b>	(If Applicable)				Riser Material
Opening Diameter (inches)					
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)	6.5"	6"			Vertical oriface	
Elevation	776.00	776.06				
<b>Emergency Spillway</b>						
Elevation	781.50	779.3				
Length of spillway (feet)	20.0'	20'				
<b>Embankment</b>	Present Yes no		Comments/Maintenance Requirements			
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 Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	776.00	776.06				TRIMBLE R6 GPS
Design High Water Elevation	780.95	780.80				
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.161	0.183				
Area at Design High Water Elevation (Ac)	0.379	0.403				
Active Storage Available (Ac-Ft)*	1.758	1.388				
Lowest Elevation at Top of Embankment (If Applicable)	781.50	779.8				
Average Elevation at Top of Embankment (If Applicable)	782.50	785.5				
Maximum Bottom Elevation	772.00	772.3				
Average Pond Bottom Elevation	772.00	772.6				
Pond Bottom Area (Ac)	0.057	0.041				
Maximum Pond Depth	4.0'	3.8'				
Average Pond Depth	4.0'	3.5'				
Average Permanent Pool Depth (Wet Ponds)	4.0'	3.8'				

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

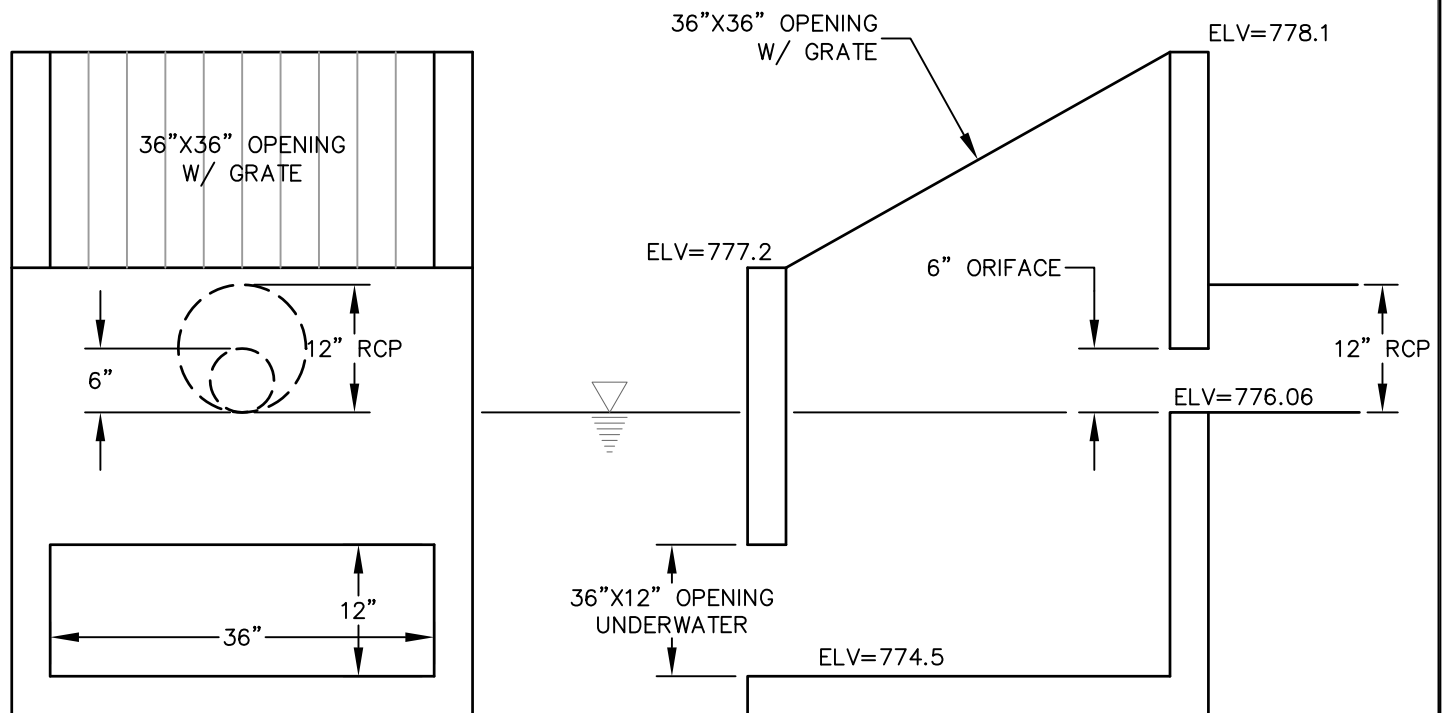
*Attach As-built Survey to the Document for the first report submission*

Inspection Firm:	<u>JSD Professional Services</u>	Inspector Name :	<u>Ryder Fischer</u>
Phone Number:	<u>262.513.0666</u>	Inspection Date:	<u>April 18, 2014</u>
Address:	<u>N22 W22931 Nancys Ct</u> <u>Suite 3</u> <u>Waukesha, WI 53186</u>		

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



<p>Date:</p> <p><u>4/24/14</u></p>	<p>Signature:</p> <p><u>Rizal Iskandarsjach</u></p>
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**EXIST OUTLET DETAIL**

N.T.S.

File: R:\2014\14C6180 NorthHills\dwg\14C6180 Basemap.dwg Layout: D-1



MILWAUKEE REGIONAL OFFICE  
N22 W22931 NANCY'S COURT SUITE 3  
WAUKESHA, WISCONSIN 53186  
262.513.0666 PHONE | 262.513.1232 FAX

[www.jsdinc.com](http://www.jsdinc.com)

PROJECT:

**NORTHFIELD MANOR  
POND CERTIFICATION**  
VILLAGE OF MENOMONEE FALLS, WI

SHEET TITLE:

**SWP24N003  
POND OUTLET  
DETAIL**

JSD PROJECT NUMBER:

14-6180

DRAWN BY: CHECKED BY:

RWI TAG

DATE:

04-24-14

SHEET NUMBER:

**D-1**



At east side of Northfield Drive; looking easterly



At southwest of pond; looking northerly to storm outfall (rip rap) into pond





At southeast portion of pond; looking at pond outlet structure.



At southeast portion of pond; looking southerly at pond 12" RCP outlet pipe.



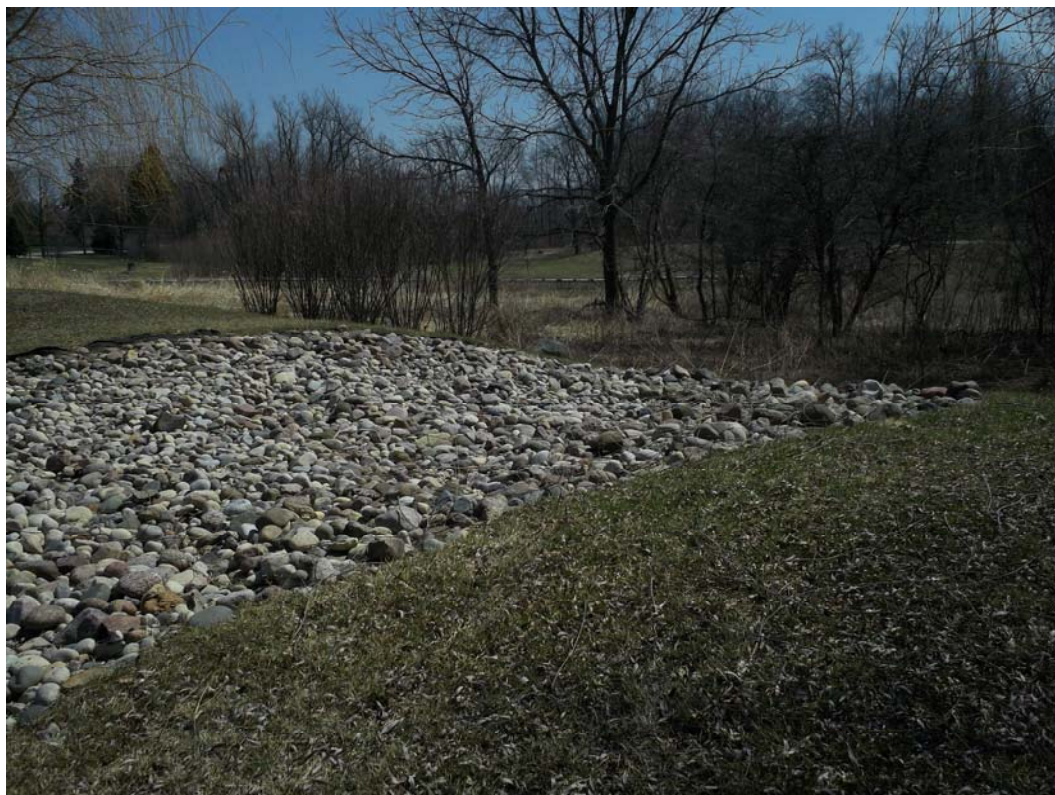


At southeast portion of pond; looking northerly (outlet structure in foreground).

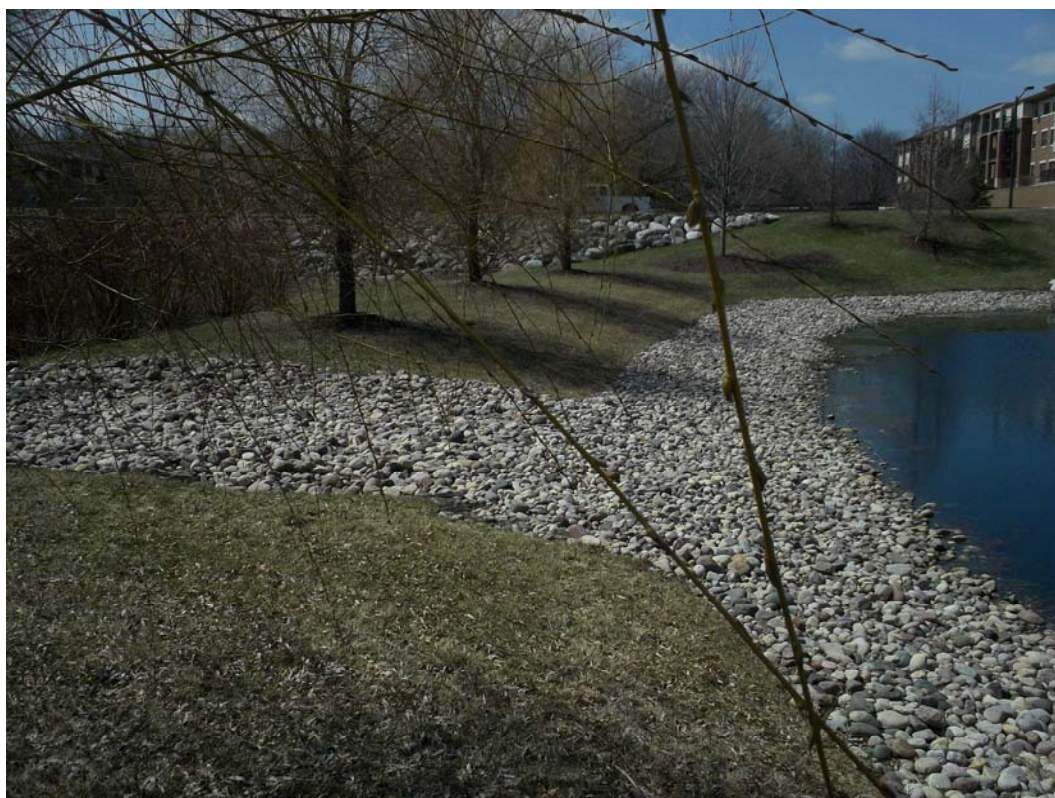


At southeast portion of pond; looking northwesterly (outlet structure in foreground).





At southeast portion of pond; looking southeasterly (emergency spillway).



At southeast portion of pond; looking westerly (emergency spillway).





LAND INFORMATION SYSTEMS DIVISION

## Waukesha County GIS

SWP24N008

SWP24N001

SWP24N007

SWP24N002

SWP24N006

SWP24N003

SWP24N005

SWP24N004

POND SITE

0 335.36 Feet

Notes:

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