



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
47008

Name of Business/Subdivision
Address of Property

Northfield Manor
W128N6900 Northfield Dr.

Date 04/24/14

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	Non-Compliant No	Comments (Condition of Structure)
Primary Outlet Pipe					
Opening Diameter (inches)	12"	12"			Outlet Pipe Material
Upstream Invert	776.00	776.06			Concrete
Downstream Invert	775.97	775.70			
Length (feet)	56.0'	43.2'			
Slope (%)	0.05%	0.83%			
Secondary Outlet Pipe	(If Applicable)				
Opening Diameter (inches)					Outlet Pipe Material
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
Riser	(If Applicable)				
Opening Diameter (inches)					Riser Material
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)	6.5"	6"			Vertical orifice
Elevation	776.00	776.06			
Emergency Spillway					
Elevation	781.50	779.3			
Length of spillway (feet)	20.0'	20'			
Embankment	Present Yes no		Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation					
Animal burrows or slope erosion					
Storm Sewer Outfalls	Type & Size		Location		Comments
Outfall 1					
Outfall 2					
Outfall 3					
Storage Properties	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 $V=H/3(A1+A2+(A1 \times A2)/2)$

Wet Ponds Use $H = \text{Height of Section}$, $A1 = \text{area at normal water elevation}$, $A2 = \text{area at top section}$

Dry Ponds Use $H = \text{Height of Section}$, $A1 = \text{pond bottom area}$, $A2 = \text{area at top section}$

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: N22 W22931 Nancys Ct
Suite 3
Waukesha, WI 53186

Inspector Name : Ryder Fischer
Inspection Date: April 18, 2014

Certifying Professional

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

Date:

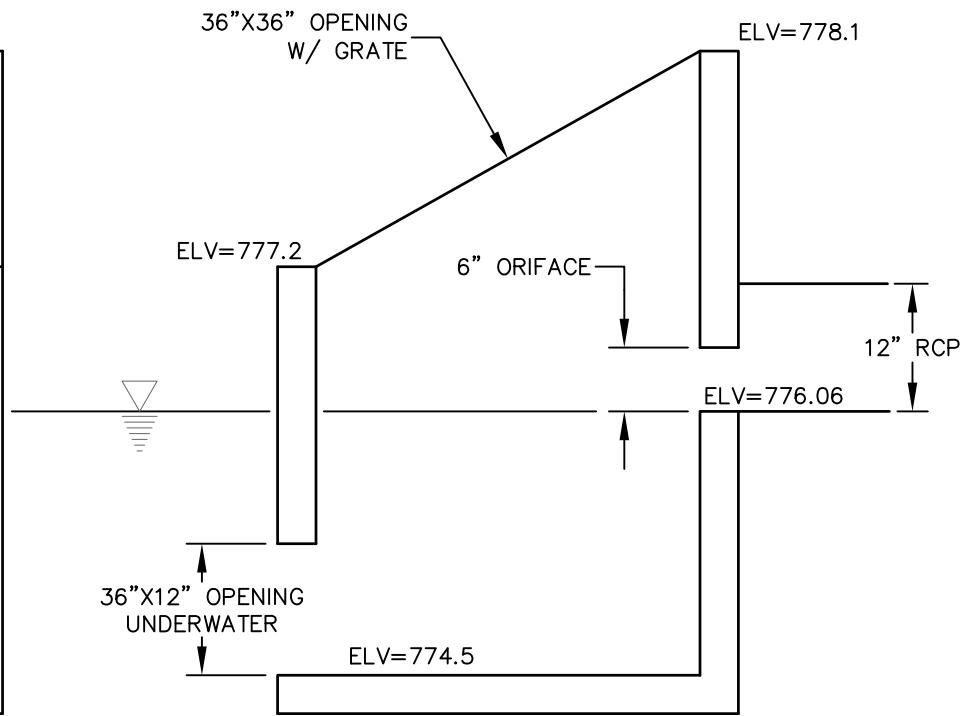
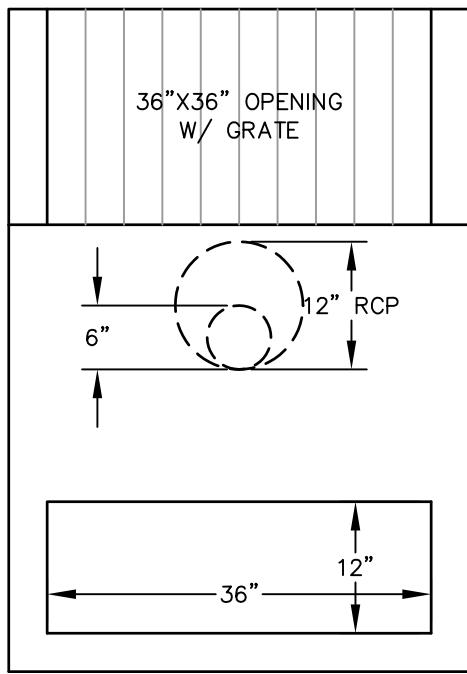
4/24/14

Signature:

Rizal Iskandar



Affix Seal Here



EXIST OUTLET DETAIL

N.T.S.

SWMP Inspection Photos SWP24N003 (04/18/14) – Village of Menomonee Falls, WI



At east side of Northfield Drive; looking easterly



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

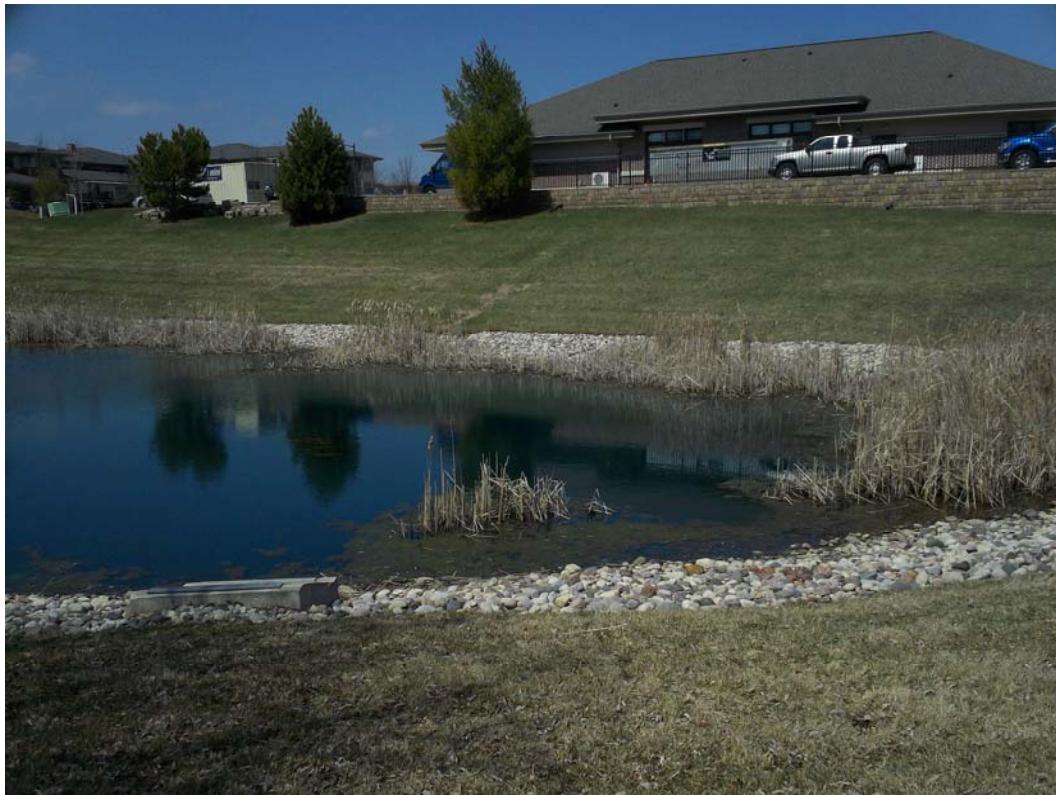


At southeast portion of pond; looking at pond outlet structure.



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

SWMP Inspection Photos SWP24N003 (04/18/14) – Village of Menomonee Falls, WI



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

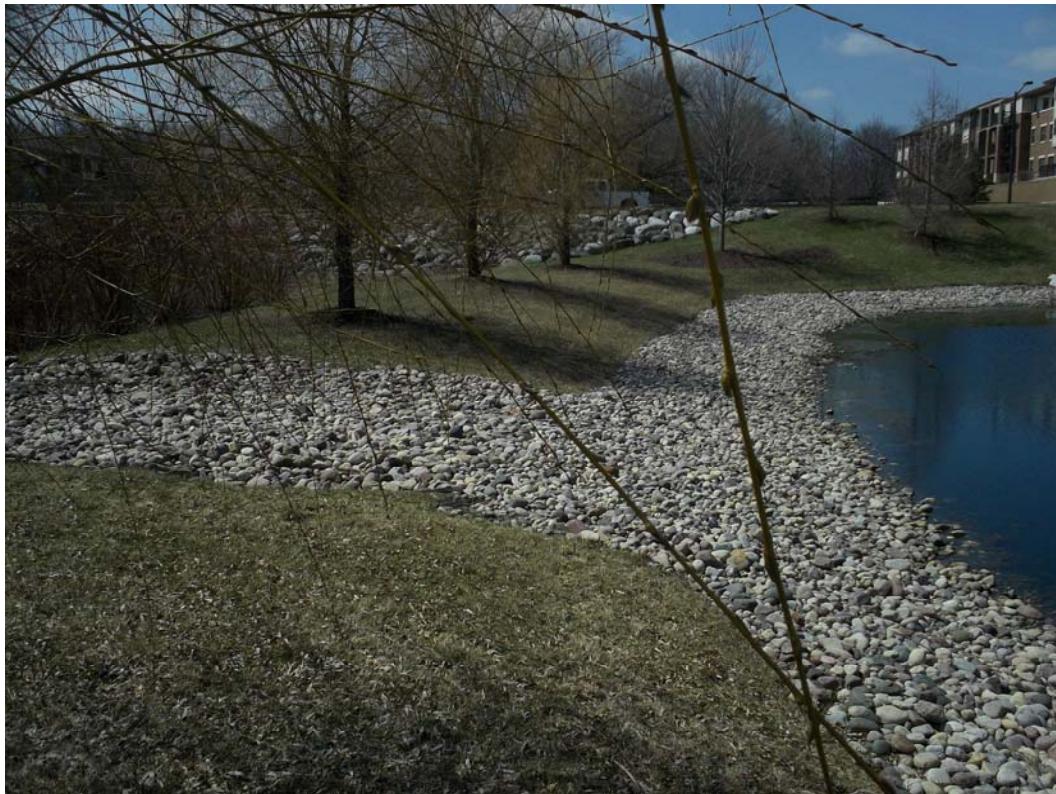


At southeast portion of pond; looking northwesterly (outlet structure in foreground).

SWMP Inspection Photos SWP24N003 (04/18/14) – Village of Menomonee Falls, WI



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

SWP24N005

SWP24N003

POND SITE

SWP24N004

0

335.36 Feet

Notes:

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