



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 Buena Vista Condominiums
Property Tax ID Number MNFV00939 Address of Property W129 N6811 Northfield Dr.
47033
Date 05/29/14 Menomonee Falls, WI
53015

Dry Pond		Pond ID: SWP24N005	Location of Pond	Northeast portion of site Lot 2 of CSM No. 9880
Wet Pond	X			
Other				

Year Pond Constructed 2004 Year of Last Certification 2010

Compliance Verification	Design	Actual	Compliant Yes	Comments (Condition of Structure)
Primary Outlet Pipe				
Opening Diameter (inches)	12"	12"		Outlet Pipe Material
Upstream Invert	783.00	783.25		Concrete HEAVY VEGETATION SURROUNDING
Downstream Invert	782.00	782.14		
Length (feet)	42.0'	41.3'		
Slope (%)	2.38%	2.69%		
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)	6.5"	6"			Vertical orifice
Elevation	783.00	783.25			
Emergency Spillway					
Elevation	788.50	787.50			
Length of spillway (feet)	20.0'	19.8'			
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	18" CPP		SOUTH PORTION OF POND		
Outfall 2	8" PVC		WEST PORTION OF POND		
Outfall 3					
Storage Properties	Design	Actual	Compliant Yes No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	783.00	783.25			TRIMBLE R6 GPS
Design High Water Elevation	786.00	786.00			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.085	0.068			
Area at Design High Water Elevation (Ac)	0.207	0.140			
Active Storage Available (Ac-Ft)*	1.380	1.305			
Lowest Elevation at Top of Embankment (If Applicable)	788.50	787.75			
Average Elevation at Top of Embankment (If Applicable)	789.50	790.1			
Maximum Bottom Elevation	779.00	777.37			
Average Pond Bottom Elevation	779.00	777.5			
Pond Bottom Area (Ac)	0.012	0.010			
Maximum Pond Depth	4.0'	5.7'			
Average Pond Depth	4.0'	5.6'			
Average Permanent Pool Depth (Wet Ponds)	4.0'	5.6'			

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

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: N22 W22931 Nancys Ct
Suite 3
Waukesha, WI 53186

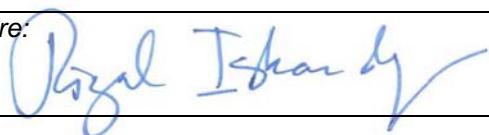
Inspector Name : Ryder Fischer
Inspection Date: May 22, 2014

Certifying Professional

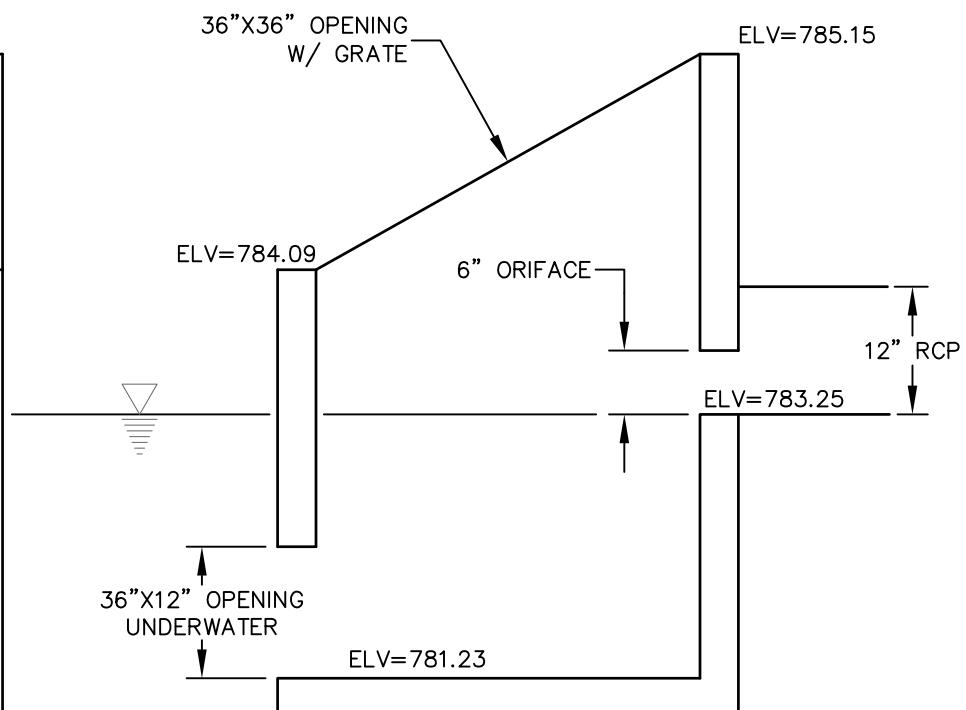
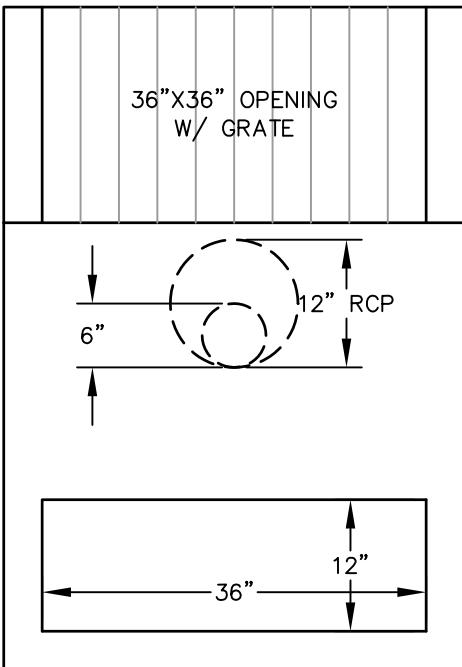
Name: Rizal W. Iskandarsjach R.L.S., P.E.
Phone Number: 262.513.0666

Date:
May 29, 2014

Signature:



Affix Seal Here



EXIST OUTLET DETAIL

N.T.S.



Figure 1: At northeast portion of pond; looking southwesterly (storm outfall)



Figure 2: At northeast portion of pond; looking southerly (pond outlet structure)



Figure 3: Approximately 40' north of pond; looking southerly (pond outfall)



Figure 4: At northeast portion of pond; looking northwesterly (emergency spillway)



Figure 5: At southwest portion of pond; looking southerly (storm outfall)

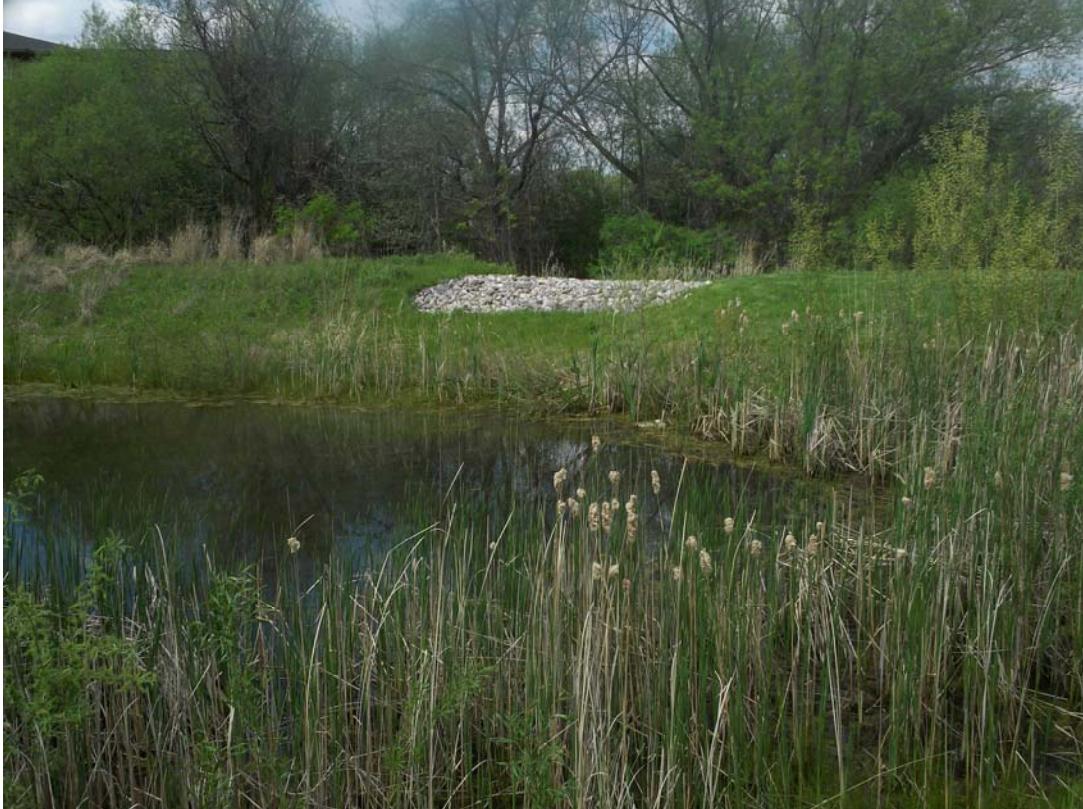


Figure 6: At south portion of pond; looking northerly (emergency spillway)