



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 NW 1/4 Sec
Property Tax ID Number 23-8-20 Name of Business/Subdivision 0090-996-168 Pilgrim Glen Condominium Plat
thru 0090-996-197 Address of Property Tartan Circle
Date 7/8/2015 Addendum No. 2

Dry Pond		Location of Pond	
Wet Pond	X	SE Quadrant of Property	
Other			

Pond ID: SWP23N004

Year Pond Constructed 2008 Year of Last Certification 2010

Compliance Verification	Design	Actual	Compliant Yes	Comments (Condition of Structure)
Primary Outlet Pipe				Outlet Pipe Material
Opening Diameter (inches)	12"	12"		Reinforced Concrete Pipe
Upstream Invert	823.00	823.03		
Downstream Invert	822.55	822.33		
Length (feet)	45.0'	51.0'		
Slope (%)	0.010 '/	0.014 '/		
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				

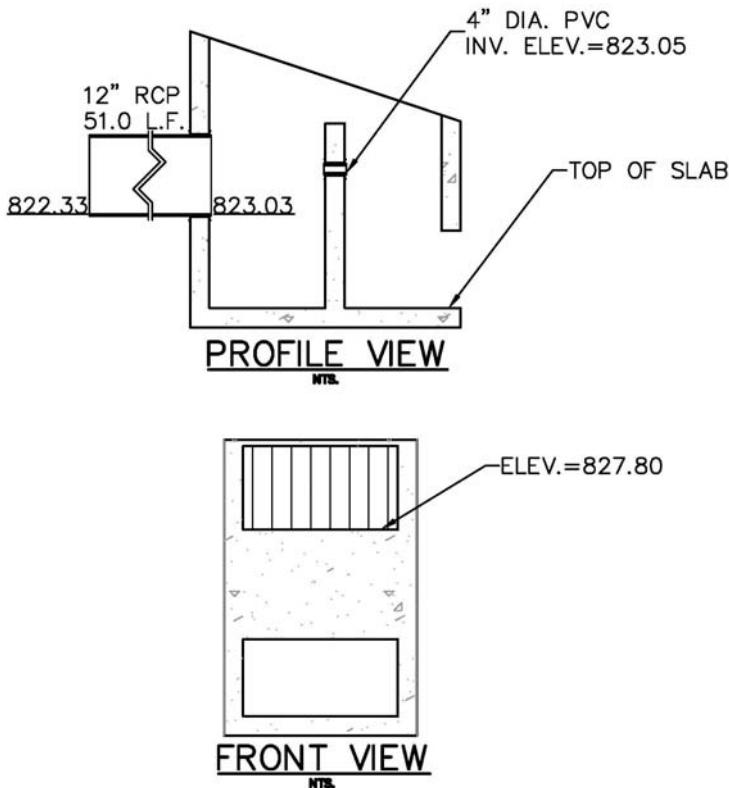
Compliance Verification	Design	Actual	Compliant Yes No		Comments			
Lower Discharge Control	(If Applicable)							
Opening Diameter (inches)	_____	_____						
Elevation	_____	_____						
Other (Description)								
Opening Type and Size (inches)	4" DIA.	4" DIA.			Vertical Orifice			
Elevation	823.00	823.05						
Emergency Spillway								
Elevation	827.50	827.60						
Length of spillway (feet)	20.0'	21.8'						
Embankment	Present Yes no		Comments/Maintenance Requirements					
Unauthorized Plantings, trees, or woody vegetation			Some vegetative growth around and inside outlet structure. Recommend clearing for full function.					
Animal burrows or slope erosion								
Storm Sewer Outfalls	Type & Size		Location		Comments			
Outfall 1	RCP 15"		North Portion of Pond					
Outfall 2								
Outfall 3								
Storage Properties	Design	Actual	Compliant Yes No	Not Applicable	Equipment Used			
Normal Water Elevation (Wet Ponds)	823.00	823.05			Trimble R6 GPS H WL Calculated by HydroCAD Area at H WL Calculated by HydroCAD			
Design High Water Elevation	827.58	827.87						
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.330	0.333						
Area at Design High Water Elevation (Ac)	0.628	0.603						
Active Storage Available (Ac-Ft)*	2.150	2.074						
Lowest Elevation at Top of Embankment (If Applicable)	828.50	827.58			Lowest Bottom Elevation			
Average Elevation at Top of Embankment (If Applicable)	828.50	831.25						
Maximum Bottom Elevation	818.00	817.23						
Average Pond Bottom Elevation	818.00	818.00						
Pond Bottom Area (Ac)	0.112	0.078						
Maximum Pond Depth	5.0'	5.9'						
Average Pond Depth	5.0'	5.2'						
Average Permanent Pool Depth (Wet Ponds)	5.0'	5.2'						

*To Determine Active Storage $V=H/3(A1+A2+(A1 \times A2)1/2)$

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

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

Outlet Sketch



Place Photograph of Pond or Attach to Document

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

Inspection Firm: JSD Professional Services, Inc
Phone Number: (262) 513-0666
Address: N22 W22931 Nancys Ct.
Suite 3
Waukesha, WI 53186

Inspector Name: Ryder Fischer
Inspection Date: 7/8/2015

Certifying
Professional Name: Rizal Iskandarsjach P.L.S., P.E.
Phone Number: (262) 513-0666

Date: 7/10/15

Signature:





Figure 1: Overview of Pond, Looking to the South



Figure 2: Overview of Pond, Looking to the North



Figure 3: Overview of the Outlet Structure located in the Southeast Portion of the Pond, Looking to the Southeast

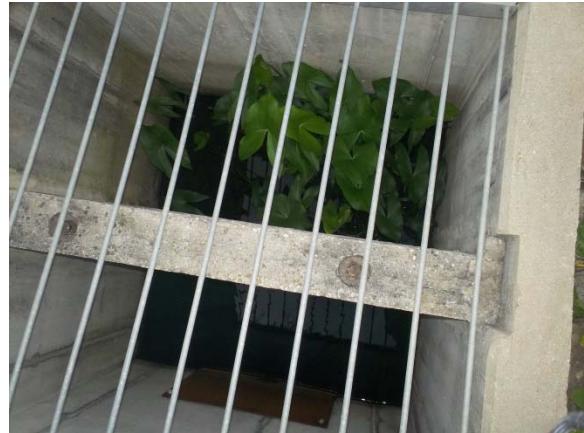


Figure 4: Top View of Outlet Structure (Note: Tree Growth in the Interior of the Structure)



Figure 5: Overview of Outfall Located on the North Portion of the Pond

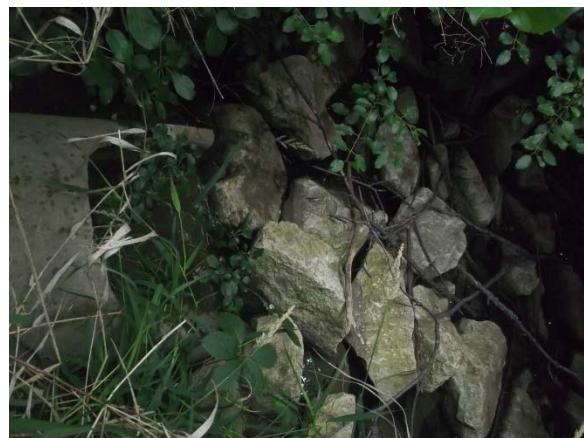


Figure 6: Outfall for the Pond Structure, Located Southeast of the Pond