



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 Name of Business/Subdivision Pilgrim Glen Condominium Plat  
Property Tax ID Number 23-8-20 0090-996-126 Addendum No. 2  
Date 0090-996-167 Address of Property Amberleigh Circle  
6/25/15

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

Pond ID: SWP23N001

Year Pond Constructed 2008 Year of Last Certification 2010

Compliance Verification	Design	Actual	Compliant Yes	No	Comments ( Condition of Structure)
<b>Primary Outlet Pipe</b>					
Opening Diameter (inches)	12"	12"			Outlet Pipe Material
Upstream Invert	817.00	817.15			Reinforced Concrete Pipe
Downstream Invert	816.48	816.87			
Length (feet)	52.0'	30.1'			
Slope	0.010 '/"	0.009 '/"			
<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					

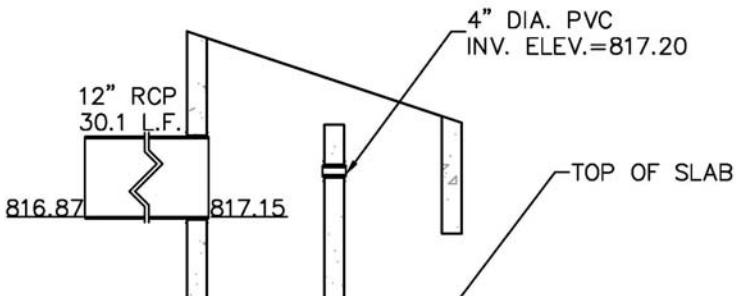
Compliance Verification	Design	Actual	Compliant Yes No		Comments				
<b>Lower Discharge Control</b>	(If Applicable)								
Opening Diameter (inches)	_____	_____							
Elevation	_____	_____							
<b>Other (Description)</b>									
Opening Type and Size (inches)	4" DIA	4" DIA							
Elevation	817.00	817.20							
<b>Emergency Spillway</b>									
Elevation	821.50	822.57							
Length of spillway (feet)	20.0'	21.0'							
<b>Embankment</b>	Present Yes No		Comments/Maintenance Requirements						
Unauthorized Plantings, trees, or woody vegetation	_____	_____	Some vegetative growth around outlet structure. Recommend clearing for full function.						
Animal burrows or slope erosion	_____	_____							
<b>Storm Sewer Outfalls</b>	Type & Size		Location		Comments				
Outfall 1	RCP 15"		Northeast Portion of Pond						
Outfall 2	RCP 18"		North Portion of Pond						
Outfall 3	RCP 12"		Northwest Portion of Pond						
Outfall 4	RCP 18"		West Portion of Pond						
<b>Storage Properties</b>	Design	Actual	Compliant Yes No	Not Applicable	Equipment Used				
Normal Water Elevation (Wet Ponds)	817.00	817.20			Trimble R6 GPS				
Design High Water Elevation	821.55	821.68			HWL Calculated by HydroCAD				
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.660	0.711							
Area at Design High Water Elevation (Ac)	1.100	1.140		Area at HWL Calculated by HydroCAD					
Active Storage Available (Ac-Ft)*	3.961	4.315							
Lowest Elevation at Top of Embankment (If Applicable)	822.50	821.79		Lowest Bottom Elevation					
Average Elevation at Top of Embankment (If Applicable)	822.50	822.82							
Maximum Bottom Elevation	811.00	810.74							
Average Pond Bottom Elevation	811.00	811.00							
Pond Bottom Area (Ac)	0.330	0.297							
Maximum Pond Depth	6.0'	6.5'							
Average Pond Depth	6.0'	6.2'							
Average Permanent Pool Depth (Wet Ponds)	6.0'	6.2'							

\*To Determine Active Storage  $V=H/3(A_1+A_2+(A_1 \times A_2)/2)$

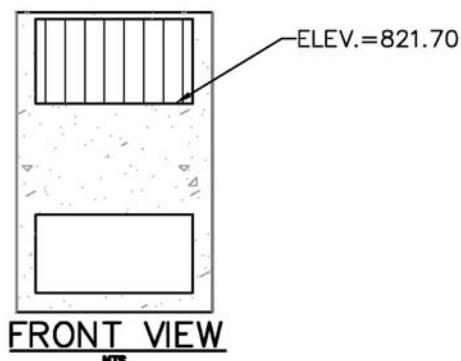
Wet Ponds Use  $H = \text{Height of Section}$ ,  $A_1 = \text{area at normal water elevation}$ ,  $A_2 = \text{area at top section}$

Dry Ponds Use  $H = \text{Height of Section}$ ,  $A_1 = \text{pond bottom area}$ ,  $A_2 = \text{area at top section}$

Sketch Outlet or Attach to Document



See Attached Photo Document



See Attached Photo Document

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

Inspection Firm: JSD Professional Services, Inc Inspector Name : Ryder Fischer  
Phone Number: (262) 513-0666 Inspection Date: 6/25/2015  
Address: N22 W22931 Nancys Ct.  
Suite 3  
Waukesha, WI 53186

Certifying

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

Date:

7/10/15

Signature:

Rizal Iskandarsjach





Figure 1: Overview of the West Portion of the Pond  
Looking Southwest



Figure 4: Photo from Center of Pond Looking East



Figure 2: Overview of the East Portion of the Pond  
Looking East



Figure 5: Photo from Center of Pond Looking West



Figure 3: Photo of Outlet Structure Located on the  
Southeast Portion of the Pond



Figure 6: Photo of Emergency Spillway Located on the  
Southeast Portion of the Pond, West of the Outlet  
Structure