



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
23-8-20
Property Tax ID Number 0090-996-066 Addendum No. 2
thru
0090-996-125 Address of Property Macallan Court
Date 6/25/15

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

Pond ID: SWP23N002

Year Pond Constructed 2008 Year of Last Certification 2010

Compliance Verification	Design	Actual	Compliant Yes	No	Comments (Condition of Structure)
Primary Outlet Pipe					
Opening Diameter (inches)	12"	12"			Reinforced Concrete Pipe
Upstream Invert	822.00	822.17			
Downstream Invert	821.50	821.12			
Length (feet)	50.0'	33.3"			
Slope	0.010 '/"	0.032 '/"			
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					

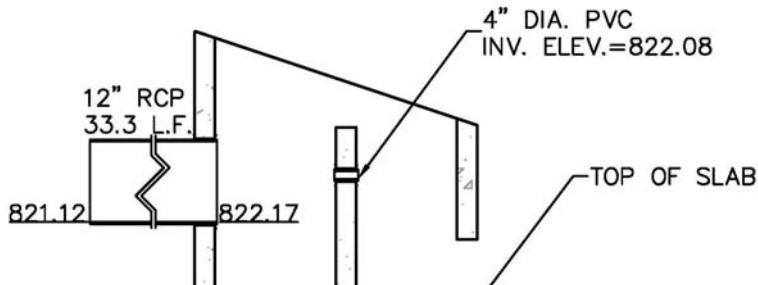
Compliance Verification	Design	Actual	Compliant Yes No		Comments
Lower Discharge Control	(If Applicable)				
Opening Diameter (inches)	_____	_____			
Elevation	_____	_____			
Other (Description)					
Opening Type and Size (inches)	4" DIA.	4" DIA			Vertical Orifice
Elevation	822.00	822.08			
Emergency Spillway					
Elevation	826.50	826.06			
Length of spillway (feet)	20.0'	22.3'			
Embankment	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					
Storm Sewer Outfalls	Type & Size		Location		Comments
Outfall 1	RCP 15"		South Portion of Pond		
Outfall 2	RCP 15"		Southeast Portion of Pond		
Outfall 3	RCP 15"		East Portion of Pond		
Storage Properties	Design	Actual	Compliant Yes No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	822.00	822.08			Trimble R6 GPS H WL Calculated by HydroCAD
Design High Water Elevation	824.91	825.30			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.450	0.413			
Area at Design High Water Elevation (Ac)	0.712	0.689			
Active Storage Available (Ac-Ft)*	1.707	2.307			
Lowest Elevation at Top of Embankment (If Applicable)	827.50	826.06			Area at HWL Calculated by HydroCAD Lowest Bottom Elevation
Average Elevation at Top of Embankment (If Applicable)	827.50	828.07			
Maximum Bottom Elevation	818.00	817.37			
Average Pond Bottom Elevation	818.00	818.00			
Pond Bottom Area (Ac)	0.183	0.158			
Maximum Pond Depth	4.0'	4.77'			
Average Pond Depth	4.0'	4.14'			
Average Permanent Pool Depth (Wet Ponds)	4.0'	4.14'			

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

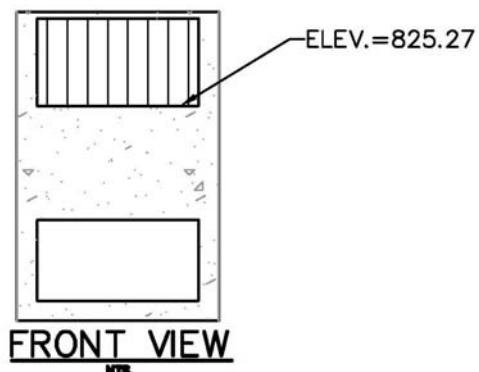
Wet Ponds Use $H = \text{Height of Section}$, $A1 = \text{area at normal water elevation}$, $A2 = \text{area at top section}$

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 Photo Document



See Attached Photo 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: 6/25/2015

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

Date:

7/10/15

Signature:

Rizal Isk



Affix Seal Here



Figure 1: Overview of Pond Looking East



Figure 4: Overview of the East Portion of the Pond
Looking Northeast



Figure 2: Overview of the West Portion of the Pond
Looking Northwest



Figure 5: Photo from Center of Pond Looking East



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



Figure 6: Photo from Center of Pond Looking West