



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	0090-996-066		Addendum No. 2
	thru			
Date	0090-996-125	Address of Property		Macallan Court
	7/8/2015			

Dry Pond		Location of Pond	
Wet Pond	X	SE Quadrant of Property	
Other			
Pond ID: SWP23N003			

Year Pond Constructed	2008	Year of Last Certification	2010
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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	825.00	825.45		
Downstream Invert	824.49	824.23		
Length (feet)	51.0	28.25		
Slope	0.010 '/'	0.043 '/'		
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				

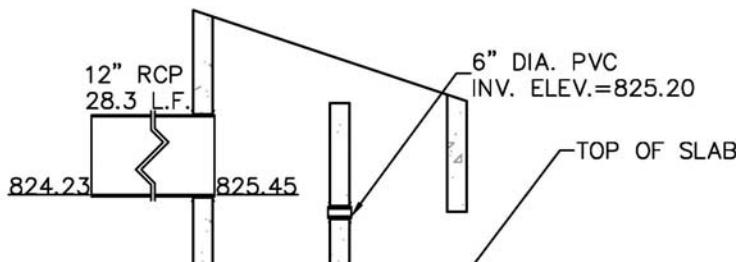
Compliance Verification	Design	Actual	Compliant Yes	No	Comments
Lower Discharge Control	(If Applicable)				
Opening Diameter (inches)	_____	_____			
Elevation	_____	_____			
Other (Description)					
Opening Type and Size (inches)	6" DIA.	6" DIA			Vertical Orifice
Elevation	825.00	825.20			
Emergency Spillway					
Elevation	828.50	828.59			
Length of spillway (feet)	20.0'	22.4'			
Embankment	Present Yes		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 18"		West Portion of Pond		
Outfall 2	RCP 12"		Northwest Portion of Pond		
Outfall 3	RCP 12"		North Portion of Pond		
Storage Properties	Design	Actual	Compliant Yes	No	Equipment Used
Normal Water Elevation (Wet Ponds)	825.00	825.20			Trimble R6 GPS
Design High Water Elevation	828.52	828.92			HWL Calculated by HydroCAD
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.530	0.540			
Area at Design High Water Elevation (Ac)	1.020	1.024			Area at HWL Calculated by HydroCAD
Active Storage Available (Ac-Ft)*	2.667	1.678			
Lowest Elevation at Top of Embankment (If Applicable)	829.50	828.60			
Average Elevation at Top of Embankment (If Applicable)	829.50	829.70			
Maximum Bottom Elevation	820.00	819.05			Lowest Bottom Elevation
Average Pond Bottom Elevation	820.00	820.00			
Pond Bottom Area (Ac)	0.223	0.190			
Maximum Pond Depth	5.0'	5.5'			
Average Pond Depth	5.0'	5.2'			
Average Permanent Pool Depth (Wet Ponds)	5.0'	5.2'			

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

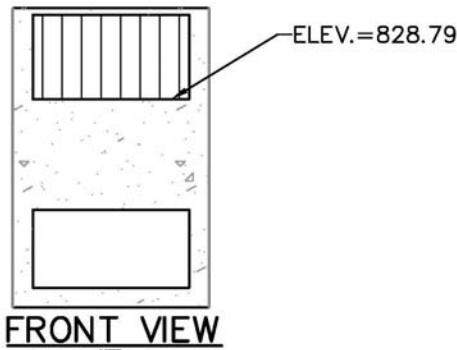
Wet Ponds Use $H = \text{Height of Section}$, $A1 = \text{area at normal water elevation}$, $A2 = \text{area at top section}$

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

Outlet Sketch



PROFILE VIEW



FRONT VIEW

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: 7/8/2015

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

Date:	Signature:
7/10/15	



Affix Seal Here



Figure 1: Overview of Pond, Looking East



Figure 4: Overview of Outlet Structure located on the Southeast Portion of Pond, Looking East



Figure 2: Overview of Pond, Looking West

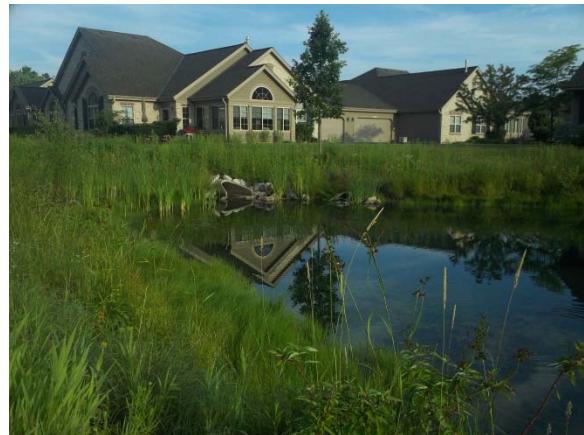


Figure 5: Overview of the two Outfalls on the West Portion of the Pond



Figure 3: Overview of the Emergency Spillway, Looking East



Figure 6: Overview of the Outfall Structure on the North Portion of the Pond