



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 23-8-20	Name of Business/Subdivision	Pilgrim Glen Condominium Plat Addendum No. 2
Property Tax ID Number	0090-996-066 thru 0090-996-125	Address of Property	Macallan Court
Date	8/31/20		

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

Pond ID: SWP23N002

Year Pond Constructed	2008	Year of Last Certification	2015
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Compliance Verification	Design	Actual	Compliant Yes      No	Comments ( Condition of Structure)
<b>Primary Outlet Pipe</b>				<b>Outlet Pipe Material</b>
Opening Diameter (inches)	12"	12"	✓	Reinforced Concrete Pipe
Upstream Invert	822.00	822.02	✓	Accumulative silt at opening and bottom of outlet structure
Downstream Invert	821.50	821.10	✓	Recommend removal of silt
Length (feet)	50.0'	32.6'	✓	
Slope	0.010 '/'	1.323 '/'	✓	
<b>Secondary Outlet Pipe</b>	(If Applicable)			<b>Outlet Pipe Material</b>
Opening Diameter (inches)				
Upstream Invert				
Downstream Invert				
Length (feet)				
Slope (%)				
<b>Riser</b>	(If Applicable)			<b>Riser Material</b>
Opening Diameter (inches)				
Elevation				
<b>Upper Discharge Control</b>	(If Applicable)			
Opening Diameter (inches)				
Elevation				

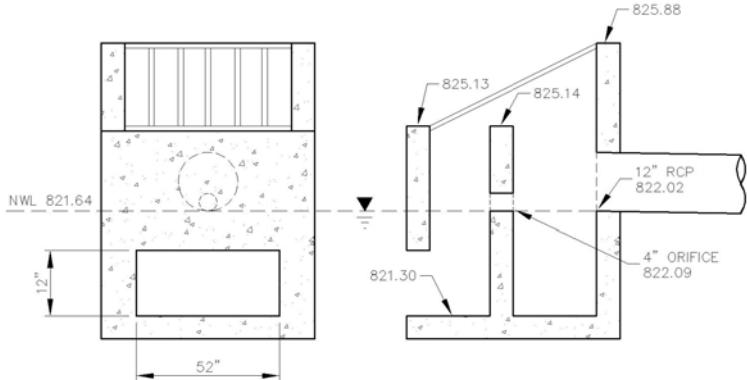
Compliance Verification	Design	Actual	Compliant Yes      No	Comments	
<b>Lower Discharge Control</b>	(If Applicable)				
Opening Diameter (inches)	_____	_____			
Elevation	_____	_____			
<b>Other (Description)</b>					
Opening Type and Size (inches)	4" DIA.	4" DIA			Vertical Orifice
Elevation	822.00	822.09	✓		
<b>Emergency Spillway</b>					
Elevation	826.50	826.10	✓		
Length of spillway (feet)	20.0'	22.0'	✓		
<b>Embankment</b>	Present Yes	No	Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation	✓		Some vegetative growth around outlet structure and outfall. Recommend clearing for full function.		
Animal burrows or slope erosion		✓			
<b>Storm Sewer Outfalls</b>	Type & Size		Location	Comments	
Outfall 1 (ES-6)	RCP 12"		West Portion of Pond		
Outfall 2 (ES-5)	RCP 12"		Southwest Portion of Pond		
Outfall 3 (ES-4)	RCP 15"		Southeast Portion of Pond		
<b>Storage Properties</b>	Design	Actual	Compliant Yes      No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	822.00	821.64	✓		Trimble R6 GPS
Design High Water Elevation	824.91	825.30	✓		HWL Calculated by HydroCAD  Lowest Bottom Elevation
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.450	0.364	✓		
Area at Design High Water Elevation (Ac)	0.712	0.726	✓		
Active Storage Available (Ac-Ft)*	1.707	1.995	✓		
Lowest Elevation at Top of Embankment (If Applicable)	827.50	826.24	✓		
Average Elevation at Top of Embankment (If Applicable)	827.50	826.87	✓		
Maximum Bottom Elevation	818.00	817.26	✓		
Average Pond Bottom Elevation	818.00	817.64	✓		
Pond Bottom Area (Ac)	0.183	0.097	✓		
Maximum Pond Depth	4.0'	4.4	✓		
Average Pond Depth	4.0'	4.0'	✓		
Average Permanent Pool Depth (Wet Ponds)	4.0'	4.0'	✓		

\*To Determine Active Storage  $V=H/3(A1+A2+(A1xA2)1/2)$

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 Photo Document

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

Inspection Firm: JSD Professional Services, Inc Inspector Name : Jay Averill  
Phone Number: (262) 513-0666 Inspection Date: 8/20/2020  
Address: W238 N1610 Busse Road  
Suite 100  
Waukesha, WI 53188

Certifying

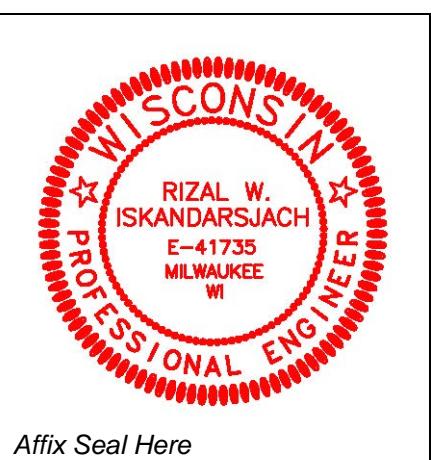
Professional Name: Rizal Iskandarsjach P.L.S., P.E.  
Phone Number: (262) 513-0666

Date:

8/31/20

Signature:

Rizal Isk



Affix Seal Here

10-3-2012

Pilgrim Glen Condominium - Pond SWP23N002

Photo Date: 08-20-20



Photo 1: South side of pond, looking northwesterly.



Photo 2: South side of pond, looking northeasterly.



Photo 3: Outlet structure front intake silted.



Photo 4: Outlet structure bottom silted.

