



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 Pilgrim Glen Condominium Plat
 23-8-20 Name of Business/Subdivision Addendum No. 2
 Property Tax ID Number 0090-996-126
 thru 0090-996-167 Address of Property Amberleigh Circle
 Date 8/31/20

Dry Pond	
Wet Pond	X
Other	

Location of Pond SE Quadrant of Property
 Pond ID: SWP23N001

Year Pond Constructed 2008 Year of Last Certification 2015

Compliance Verification	Design	Actual	Compliant Yes No	Comments (Condition of Structure)
Primary Outlet Pipe				Outlet Pipe Material
Opening Diameter (inches)	12"	12"	✓	Reinforced Concrete Pipe Accumulative silt at opening and bottom of outlet structure Recommend removal of silt.
Upstream Invert	817.00	817.16	✓	
Downstream Invert	816.48	816.74	✓	
Length (feet)	52.0'	30.0'	✓	
Slope	0.010 'f'	0.014 'f'		
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				

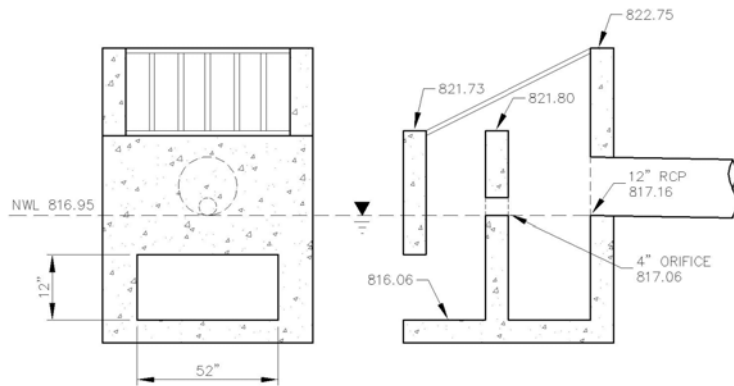
Compliance Verification	Design	Actual	Compliant Yes No	Comments	
Lower Discharge Control	(If Applicable)				
Opening Diameter (inches)	_____	_____			
Elevation	_____	_____			
Other (Description)					
Opening Type and Size (inches)	4" DIA	4" DIA			
Elevation	817.00	817.06	✓		
Emergency Spillway					
Elevation	821.50	822.37	✓		
Length of spillway (feet)	20.0'	21.0'	✓		
Embankment	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		✓			
Storm Sewer Outfalls	Type & Size		Location		Comments
Outfall 1 (ES-11)	RCP 15"		NE Portion of Pond		Erosion at outfall
Outfall 2 (ES-7)	RCP 18"		North Portion of Pond		Erosion at outfall
Outfall 3 (ES-8)	RCP 12"		NW Portion of Pond		Erosion and end sect. disconnected
Outfall 4 (ES-9)	RCP 12"		West Portion of Pond		
Outfall 5 (ES-10)	RCP 12"		W. Ditch Portion of Pond		Heavy veg. growth and end sect. disconnected
Storage Properties	Design	Actual	Compliant Yes No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	817.00	816.95	✓		Trimble R6 GPS HWL Calculated by HydroCAD Lowest Bottom Elevation
Design High Water Elevation	821.55	821.68	✓		
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.660	0.682	✓		
Area at Design High Water Elevation (Ac)	1.100	1.132	✓		
Active Storage Available (Ac-Ft)*	3.961	4.290	✓		
Lowest Elevation at Top of Embankment (If Applicable)	822.50	821.71	✓		
Average Elevation at Top of Embankment (If Applicable)	822.50	822.98	✓		
Maximum Bottom Elevation	811.00	810.63	✓		
Average Pond Bottom Elevation	811.00	810.84	✓		
Pond Bottom Area (Ac)	0.330	0.3544	✓		
Maximum Pond Depth	6.0'	6.3'	✓		
Average Pond Depth	6.0'	6.1'	✓		
Average Permanent Pool Depth (Wet Ponds)	6.0'	6.1'	✓		

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

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



POND OUTLET DETAILS
N.T.S.

See Attached Photo Document

See Attached Photo Document

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

Inspection Firm:	<u>JSD Professional Services, Inc</u>	Inspector Name:	<u>Jay Averill</u>
Phone Number:	<u>(262) 513-0666</u>	Inspection Date:	<u>8/18/2020</u>
Address:	<u>W238 N1610 Busse Road</u>		
	<u>Suite 100</u>		
	<u>Waukesha, WI 53188</u>		

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



Date: <u>8/31/20</u>	Signature: <u>Rizal Iskandarsjach</u>
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Photo 1: NW side of pond, looking southeasterly.



Photo 1: NW side of pond, looking southeasterly.



Photo 3: Outfall 1 (ES-10) heavy vegetation.



Photo 4: Outfall 2 (ES-7) Erosion at rip rap and heavy vegetation.



Photo 5: Outfall 3 (ES-8) End section disconnected to pipe.



Photo 6: Outlet structure front intake silted.



Photo 7: Outlet Structure bottom silted.



Photo 8: Outlet structure discharge pipe in wooded area.

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