



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 _____
Property Tax ID Number _____
Date 10/6/2021

SW 1/4 31 Name of Business/Subdivision Lot 1, CSM 10817
06-28-13 Address of Property W212 N4933

Weyer Rd

Dry Pond		Pond ID: <u>SWP31S001</u>	Location of Pond	SW Corner of Weyer Rd and Lisbon Rd (CTH K)
Wet Pond	X			
Other				

Year Pond Constructed 2011

Year of Last Certification 2011

Compliance Verification	Design	Actual	Compliant Yes	No	Comments (Condition of Structure)
Primary Outlet Pipe					
Opening Diameter (inches)	15"	15"	X		Outlet Pipe Material
Upstream Invert	835.50	835.49	X		HDPE Primary outlet pipe connects to an outlet structure. Secondary outlet pipe information is for pipe discharging from the outlet structure. See schematic on page 3 for clarification.
Downstream Invert	835.50	835.43	X		
Length (feet)	13'	13'	X		
Slope (%)	0.00%	0.46%	X		
Secondary Outlet Pipe	(If Applicable)				
Opening Diameter (inches)	15"	15"	X		Outlet Pipe Material
Upstream Invert	835.50	835.47	X		HDPE Primary outlet pipe connects to an outlet structure. Secondary outlet pipe information is for pipe discharging from the outlet structure. See schematic on page 3 for clarification.
Downstream Invert	835.10	835.12	X		
Length (feet)	22'	22'	X		
Slope (%)	1.82%	1.59%	X		
Riser	(If Applicable)				
Opening Diameter (inches)	26" dia	26" dia	X		Riser Material Open grate casting
Elevation	838.30	838.34			
Upper Discharge Control	(If Applicable)				
Opening Diameter (inches)	4'	4'	X		Concrete block wall inside of outlet structure manhole. See attached picture.
Elevation	835.90	836.17	X		

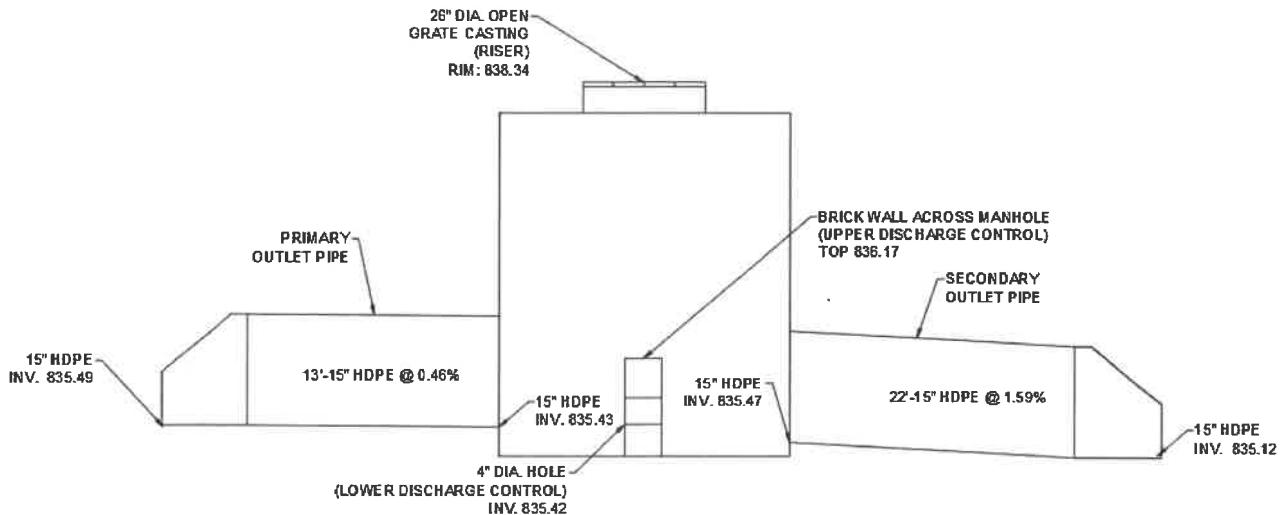
Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	4"	4"	X		Concrete block wall inside outlet manhole with 4" pvc pipe hole. See attached picture	
Elevation	835.50	835.42	X			
Other (Description)						
Opening Type and Size (inches)						
Elevation						
Emergency Spillway						
Elevation	836.50	836.57	X		Riprap along spillway	
Length of spillway (feet)	9'	9'	X			
Embankment	Present Yes no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation		X				
Animal burrows or slope erosion		X				
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1						
Outfall 2						
Outfall 3						
Storage Properties	Design	Actual	Compliant Yes No	Not Applicable	Equipment Used	
Normal Water Elevation (Wet Ponds)	835.50	835.49	X		GPS, Civil3d	
Design High Water Elevation	836.50	836.50	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.48	0.47	X			
Area at Design High Water Elevation (Ac)	0.57	0.56	X			
Active Storage Available (Ac-Ft)*	0.525	0.520	X			
Lowest Elevation at Top of Embankment (If Applicable)	838.00	837.23		X		
Average Elevation at Top of Embankment (If Applicable)	838.00	837.73		X		
Maximum Bottom Elevation	830.00	829.43	X			
Average Pond Bottom Elevation	830.00	830	X			
Pond Bottom Area (Ac)	0.15	0.10		X		
Maximum Pond Depth	8.0'	8.3'	X			
Average Pond Depth	8.0'	7.73'	X			
Average Permanent Pool Depth (Wet Ponds)	5.5'	5.49	X			

*To Determine Active Storage $V=(H/3)(A1+A2+(\sqrt{A1+A2}))$

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 sheet for site photos

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

Inspection Firm: Ayres Associates
Phone Number: (262)-523-4488
Address: 20975 Swenson Dr, Suite 200
Waukesha, WI 53186

Inspector Name: Austin Johrendt
Inspection Date: 10/6/2021

Certifying Professional

Name: Austin Johrendt
Phone Number: (262) - 523 - 4488

Date:	Signature:
11/1/2021	<u>Austin Johrendt</u>





Stormwater pond looking north



Primary outlet pipe in northeast corner of stormwater pond



Stormwater pond looking south



Riprap spillway looking west



Open grate casting over outlet structure



Inside of outlet structure. Water from the pond drains through the primary outlet pipe, through the 4" dia hole in the block wall inside the structure then discharges out the secondary outlet pipe.