



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

03 SE
MNFV00099
87014

Name of Business/Subdivision
Address of Property

Home2Suites
N91W15851 Falls Pkwy
Menomonee Falls, WI 53051

Date 11/1/2021

Dry Pond	
Wet Pond	X
Other	

Pond ID: SWP03S004
P-0154

Location of
Pond

SE corner of property

Year Pond
Constructed

2016

Year of Last
Certification

2016

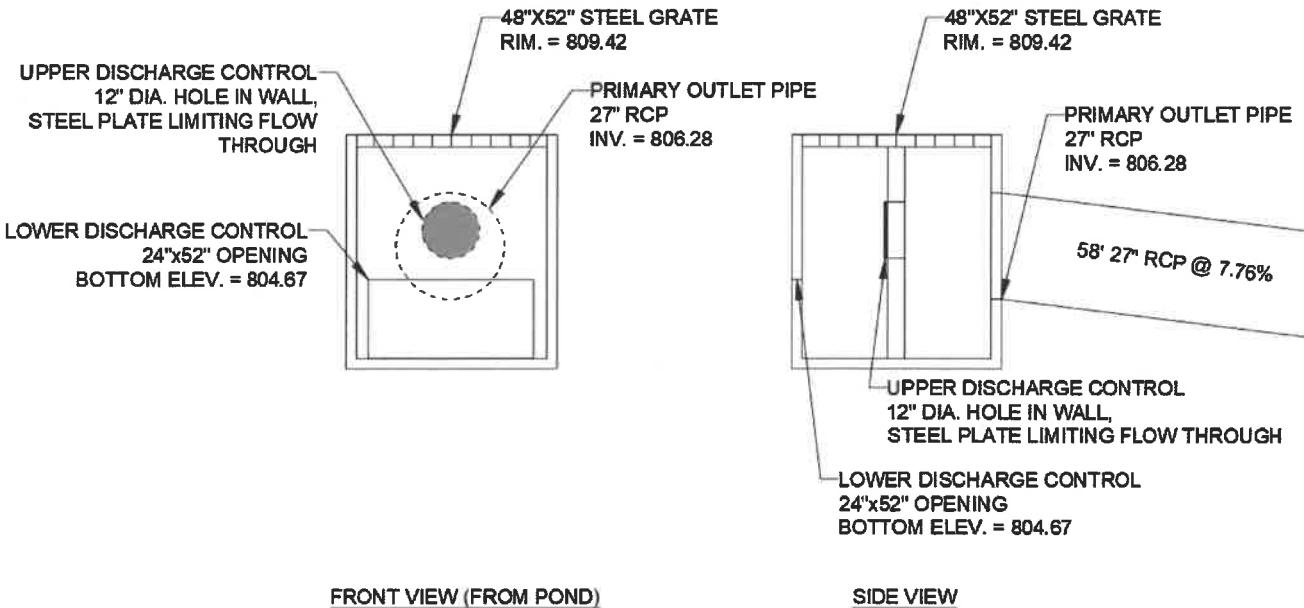
Compliance Verification	Design	Actual	Compliant Yes	No	Comments (Condition of Structure)
Primary Outlet Pipe					
Opening Diameter (inches)	27"	27"	X		RCP
Upstream Invert	806.26	806.28	X		All actual elevations are based on vertical datum NGVD83.
Downstream Invert	802.28	801.78		X	
Length (feet)	58.0'	58.0'	X		
Slope (%)	6.86%	7.76%		X	
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)	48"x52" Grate	48"x52" Grate	X		
Elevation	809.40	809.42	X		
Upper Discharge Control	(If Applicable)				
Opening Diameter (inches)	12" PVC	12" PVC		X	Steel plate in front of 12" PVC pipe opening limiting water passing through.
Elevation	807.66	807.66	X		

Compliance Verification	Design	Actual	Compliant Yes	No	Comments
Lower Discharge Control	(If Applicable)				
Opening Diameter (inches)	24"x52"	24"x52"	X		Actual size is approx. Opening was completely submerged during site inspection.
Elevation	804.68	804.67	X		Opening is at pond side of structure, see detail on next page
Other (Description)					
Opening Type and Size (inches)					
Elevation					
Emergency Spillway					
Elevation	811.00	811.16	X		
Length of spillway (feet)	10'	13'	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	12" RCP		East side of pond		Good condition
Outfall 2	30" RCP		Northeast side of pond		Good condition
Outfall 3	12" RCP		North side of pond		Good condition
Outfall 4	30" CPCP		West side of pond		Good condition
Storage Properties	Design	Actual	Compliant Yes	No	Equipment Used
Normal Water Elevation (Wet Ponds)	807.66	807.66	X		Civil 3d, GPS
Design High Water Elevation	811.00	811.00	X		Note-Design elevations from 2016 report. The north side embankment of the pond has been altered since 2016 with the addition of the parking lot retaining wall. The updated design storage properties were not available.
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.275	0.302		X	
Area at Design High Water Elevation (Ac)	0.532	.420		X	
Active Storage Available (Ac-Ft)*	1.90	1.75		X	
Lowest Elevation at Top of Embankment (If Applicable)	811.00	811.16	X		Spillway elevation
Average Elevation at Top of Embankment (If Applicable)	813.30	813.73	X		
Maximum Bottom Elevation	802.00	801.53		X	
Average Pond Bottom Elevation	802.00	802.30		X	
Pond Bottom Area (Ac)	0.124	0.111	X		
Maximum Pond Depth	9.00	9.47		X	
Average Pond Depth	9.00	8.70		X	
Average Permanent Pool Depth (Wet Ponds)	5.66	5.36		X	

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

Wet Ponds Use H = Height of Section, A_1 = area at normal water elevation, A_2 = area at top section
Dry Ponds Use H = Height of Section, A_1 = pond bottom area, A_2 = 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

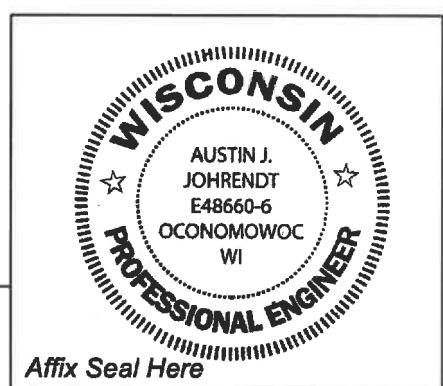
Inspection Firm: Ayres Associates
Phone Number: (262)-523-4488
Address: 20975 Swenson Drive
Suite 200
Waukesha, WI 53186

Inspector Name: Austin Johrendt
Inspection Date: 10/21/2021

Certifying Professional

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

Date:	Signature:
Nov. 11, 2021	<i>Austin Johrendt</i>





Stormwater pond looking east



Stormwater pond outlet structure, steel plate in front of 12" PVC pipe opening.



Stormwater pond looking south



Stormwater pond looking west