



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 03 SE Name of Business/Subdivision Home2Suites
Property Tax ID Number MNFV00099 Address of Property N91W15851 Falls Pkwy
Date 11/1/2021 87014 Menomonee Falls, WI 53051

Dry Pond	
Wet Pond	X
Other	

Location of Pond SE corner of property
Pond ID: SWP03S004
P-0154

Year Pond Constructed 2016 Year of Last Certification 2016

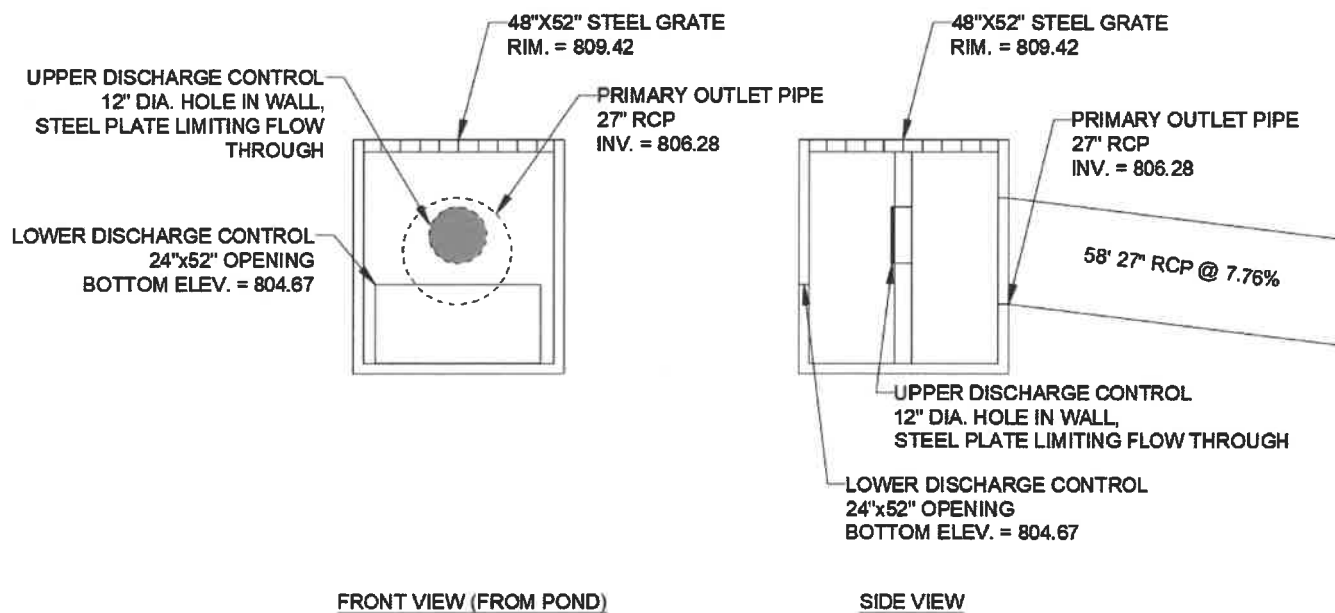
Compliance Verification	Design	Actual	Compliant Yes No	Comments (Condition of Structure)
Primary Outlet Pipe				Outlet Pipe Material
Opening Diameter (inches)	27"	27"	X	All actual elevations are based on vertical datum NGVD83.
Upstream Invert	806.26	806.28	X	
Downstream Invert	802.28	801.78	X	
Length (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		Not Applicable	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			
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, $A1$ = 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

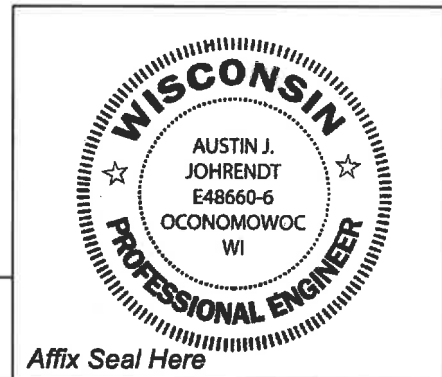


See attached sheet for site photos

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

Inspection Firm:	<u>Ayres Associates</u>	Inspector Name:	<u>Austin Johrendt</u>
Phone Number:	<u>(262)-523-4488</u>	Inspection Date:	<u>10/21/2021</u>
Address:	<u>20975 Swenson Drive</u>		
	<u>Suite 200</u>		
	<u>Waukesha, WI 53186</u>		

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