



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 4 Name of Business/Subdivision Pizzeria UNO
Property Tax ID Number 0014982 Address of Property W180 N9455 Premier Ln
Date 06-23-2021 Menomonee Falls, WI 53051
rev 07-15-2021

Dry Pond	
Wet Pond	
Other	X

Location of Pond Northwest corner of property
Pond ID: 4N007
Biofilter

Year Pond Constructed 2006 Year of Last Certification 2012

Compliance Verification	Design	Actual	Compliant Yes No	Comments (Condition of Structure)
Primary Outlet Pipe				Outlet Pipe Material
Opening Diameter (inches)	15"	15"	X	HDPE Pipe in great condition.
Upstream Invert	872.21	872.87	X	
Downstream Invert	871.45	871.79	X	
Length (feet)	69	71	X	
Slope (%)	1.10%	1.52%	X	
Secondary Outlet Pipe	(If Applicable)			Outlet Pipe Material
Opening Diameter (inches)	NA	NA		Not Applicable
Upstream Invert	NA	NA		
Downstream Invert	NA	NA		
Length (feet)	NA	NA		
Slope (%)	NA	NA		
Riser	(If Applicable)			Riser Material
Opening Diameter (inches)	30"	30"	X	Concrete Standpipe w/ concrete base in great condition.
Elevation	879.00	878.71	X	
Upper Discharge Control	(If Applicable)			
Opening Diameter (inches)	NA	NA		Not Applicable
Elevation	NA	NA		

Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	N/A	N/A				
Elevation	N/A	N/A				
Other (Description)						
Opening Type and Size (inches)	N/A	N/A				
Elevation	N/A	N/A				
Emergency Spillway						
Elevation	880.50	880.55	X			
Length of spillway (feet)	5'	5'	X			
Embankment	Present Yes no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	X		Woody vegetation present/Recommend removal of woody vegetation (See photo logs)			
Animal burrows or slope erosion		X				
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1	HDPE 15"		NE Corner of pond		No comments	
Outfall 2	Curb Opening		SW Corner of Pond		No comments	
Outfall 3						
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	N/A	N/A	X			Pond Topographic Survey
Design High Water Elevation	880.15					Provided by Others.
Area at Normal Water Elevation (Ac) (Wet Ponds)	N/A	N/A				Stormwater Management Report
Area at Design High Water Elevation (Ac)	0.103					provided by others.
Active Storage Available (Ac-Ft)*	0.254	0.331	X			
Lowest Elevation at Top of Embankment (If Applicable)	880.50	880.55	X			
Average Elevation at Top of Embankment (If Applicable)	880.50	880.62	X			
Maximum Bottom Elevation	878.00	876.93	X			
Average Pond Bottom Elevation	878.00	876.93	X			
Pond Bottom Area (Ac)	0.045	0.69	X			
Maximum Pond Depth	3.0'	4.07'	X			
Average Pond Depth	3.0'	4.07'	X			
Average Permanent Pool Depth (Wet Ponds)	N/A	N/A				

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

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

See Attached

See Attached



Figure 1: East corner of Pond, Looking Southwest



Figure 2: East corner of Pond, Looking Northwest



Figure 3: Southwest corner of Pond, Looking Northeast



Figure 4: Southwest corner of Pond, Looking North



Figure 5: Southwest corner Pond curb inlet riprap, Looking Northwest



Figure 6: Southwest corner Pond curb inlet riprap, Looking Northwest



Figure 7: Northeast corner of Pond, Looking Southwest



Figure 8: West corner Pond, Looking Northeast



Figure 9: Pond outfall, Looking Northeast



Figure 10: Pond outfall, Looking Northeast



Figure 11: Northeast corner Pond outfall pipe outlet, Looking Southwest



Figure 12: Northeast corner Pond outfall pipe outlet, Looking Southwest



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Quarter Section NW Sec 4 Name of Business/Subdivision Pizzeria Uno
Property Tax ID Number 0014982 Address of Property W180 N9455 Premier Ln.
Date: Survey- , Site _____
Inspection-9/7/21 _____

Dry Pond	X
Wet Pond	
Other	

Location of Pond NW Corner of property
Pond ID: SWP 4N007

Year Pond Constructed 2006 Year of Last Certification 2011

Compliance Verification	Design	Actual	Compliant Yes No	Comments (Condition of Structure)
Primary Outlet Pipe				Outlet Pipe Material
Opening Diameter (inches)	15"	15"	X	As-builts for this project were unavailable, design values are based off the report from 2011. Design datum unknown, actual values based on vertical datum NVGD29.
Upstream Invert	872.21	873.59		
Downstream Invert	871.45	872.49		
Length (feet)	69'	71'	X	
Slope (%)	1.10%	1.61%		
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)	26"	26" dia.	X	RCP structure with beehive storm sewer casting
Elevation	879.00	879.44		
Upper Discharge Control	(If Applicable)			
Opening Diameter (inches)				
Elevation				

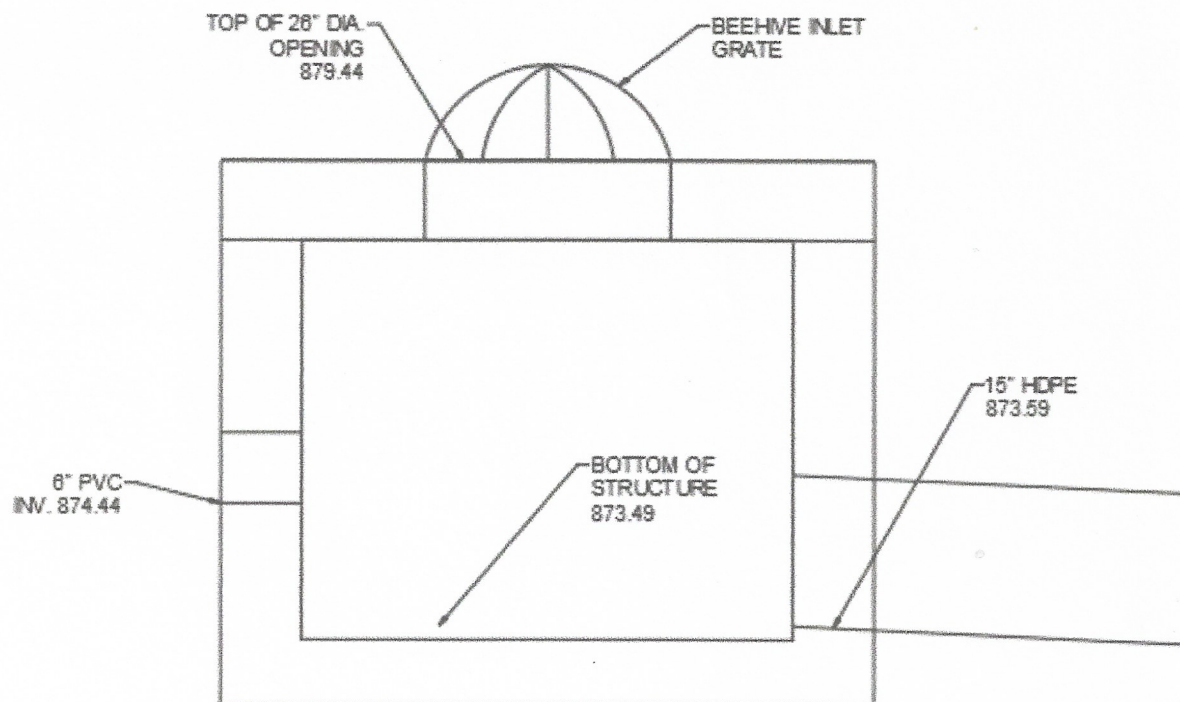
Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	Unknown	6"		X	6" pvc pipe is buried outside of the outlet structure. 6" pipe needs to be exposed to allow the pond to drain at elev. 874.44	
Elevation	Unknown	874.44				
Other (Description)						
Opening Type and Size (inches)						
Elevation						
Emergency Spillway						
Elevation	880.50	880.98		x		
Length of spillway (feet)	5'	5'	x			
Embankment	Present Yes no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	X		Remove trash and unauthorized vegetation.			
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 Total station, GPS, Civil 3d
Normal Water Elevation (Wet Ponds)	Unknown	879.44	?			Outlet structure opening elevation
Design High Water Elevation	Unknown	881.09	?			
Area at Normal Water Elevation (Ac) (Wet Ponds)	Unknown	0.08	?			Lowest elevation at the top of embankment
Area at Design High Water Elevation (Ac)	Unknown	0.12	?			
Active Storage Available (Ac-Ft)*	Unknown	0.29	?			Lowest surveyed point at the top of the embankment outside of the spillway.
Lowest Elevation at Top of Embankment (If Applicable)	Unknown	881.09	?			
Average Elevation at Top of Embankment (If Applicable)	Unknown	882.15	?			Normal water elev.-max. bottom elev.
Maximum Bottom Elevation	Unknown	877.61	?			
Average Pond Bottom Elevation	Unknown	877.84	?			Normal water elev.-average bottom elev.
Pond Bottom Area (Ac)	Unknown	0.06	?			
Maximum Pond Depth	Unknown	1.83	?			Normal water elev.-average bottom elev.
Average Pond Depth	Unknown	1.60	?			
Average Permanent Pool Depth (Wet Ponds)	NA	NA				

*To Determine Active Storage $V = (H/3)(A1 + A2 + (\sqrt{A1A2}))$

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

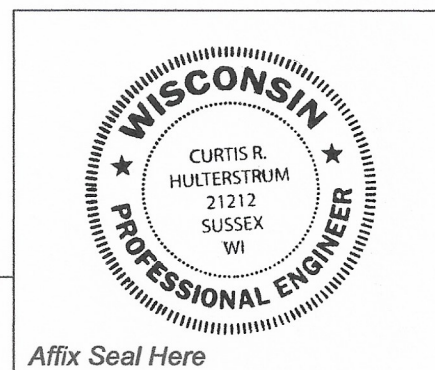


See attached sheet for site photos.

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

Inspection Firm: Ayres Associates Inspector Name : Austin Johrendt
Phone Number: 262-523-4488 Inspection Date: _____
Address: 20975 Swenson Dr
Suite 200
Waukesha, WI 53186

Certifying Professional Name: Curt Hultersturm
Phone Number: (262)-523-4488



Date: 9/30/21 Signature: Curtis R. Hultersturm



Dry detention pond looking north



Riprap around outfall structure



Bottom of pond



Pond looking west