



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

NE ¼ 33
MANF01299
969600

Name of Business/Subdivision
Address of Property

Quail Haven

Date 08-25-21

Part of the SW ¼ & SE ¼ of the NE ¼
of the NE ¼ of section 33 T8n, R20E

Dry Pond	
Wet Pond	x
Other	

Pond ID: SWP 33N004

Location of
Pond

OUTLOT 2 EAST SIDE OF SITE

Year Pond
Constructed

2011

Year of Last
Certification

2011

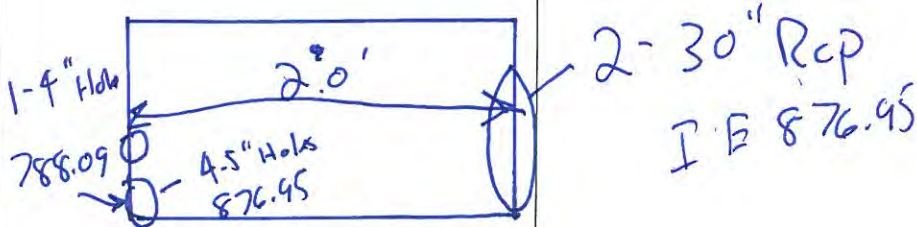
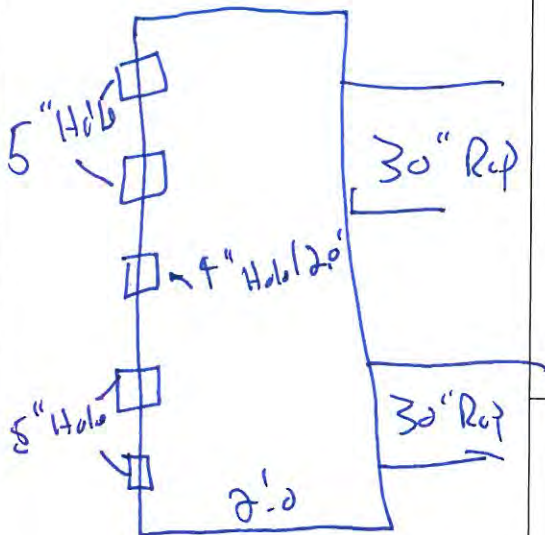
Compliance Verification	Design	Actual	Compliant Yes No	Comments (Condition of Structure)
Primary Outlet Pipe				Outlet Pipe Material
Opening Diameter (inches)	30	30	x	RCP
Upstream Invert	877.00	876.95	x	
Downstream Invert	876.85	876.72	x	
Length (feet)	40	37	x	
Slope (%)	0.37	0.62	x	
Secondary Outlet Pipe	(If Applicable)			Outlet Pipe Material
Opening Diameter (inches)	30	30		RCP
Upstream Invert	877.00	876.95		
Downstream Invert	876.85	876.72		
Length (feet)	40	37		
Slope (%)	0.37	0.62		
Riser	(If Applicable)			Riser Material
Opening Diameter (inches)	2'x12'	2'x12'	x	CONCRET BOX STRUCTURE
Elevation	880.93	880.90	x	
Upper Discharge Control	(If Applicable)			
Opening Diameter (inches)	4	4		
Elevation	878.10	878.09		

Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	4-5"	4-5"	x			
Elevation	877.00	876.95	x			
Other (Description)						
Opening Type and Size (inches)						
Elevation						
Emergency Spillway						
Elevation	881.53	881.75	x			
Length of spillway (feet)	25	24	X			
Embankment	Present Yes no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation		x	MUSCRATS SHOULD BE TRAPPED AND HOLES FILLED IN			
Animal burrows or slope erosion	X					
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1	24" RCP		SOUTH WEST			
Outfall 2	30" RCP		WEST SIDE			
Outfall 3	18" RCP		NORTH MIDDLE			
Outfall 4	12" RCP		SOUTH EAST		CLEAN END OF PIPE AND RIP=RAP	
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	877.00	876.95	x			Gps and computer cad file
Design High Water Elevation	881.51	881.75	x			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.665	0.720	x			
Area at Design High Water Elevation (Ac)	1.178	1.285	x			
Active Storage Available (Ac-Ft)*	3.01	5.47	x			
Lowest Elevation at Top of Embankment (If Applicable)		883.05	x			
Average Elevation at Top of Embankment (If Applicable)	883.50	883.35	x			
Maximum Bottom Elevation	865.00	864.89	x			
Average Pond Bottom Elevation	865.00	865.52	x			
Pond Bottom Area (Ac)	0.120	0.291	x			
Maximum Pond Depth	12	12.06	x			
Average Pond Depth	12	11.43	x			
Average Permanent Pool Depth (Wet Ponds)	12	11.43	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

Sketch Outlet or Attach to Document



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

Inspection Firm: Lake Country Engineering
 Phone Number: (262) 569-9331
 Address: 970 S. Silver Lake Street
Oconomowoc, WI 53066

Inspector Name : Robert Davy
 Inspection Date: 08-25-21

Certifying Professional Robert J Davy
 Name:
 Phone Number: (262) 569-9331



Date
 08-27-21:

Signature:













