



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 NE ¼ 33 Name of Business/Subdivision Quail Haven
Property Tax ID Number MANF01299 Address of Property _____
9600
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	

Location of Pond NW corner of subdivision
Near Marcy Rd.

Pond ID: SWP 33N003

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)	12	12	x	RCP
Upstream Invert	860.00	860.40	x	
Downstream Invert	859.50	859.90	x	
Length (feet)	96	94	x	
Slope (%)	0.52	0.53	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)	18	20	x	Manhole rim. Needs to be cleaned off ON 42" CONCRETE MANHOLE
Elevation	864.00	864.42	x	
Upper Discharge Control	(If Applicable)			
Opening Diameter (inches)				
Elevation				

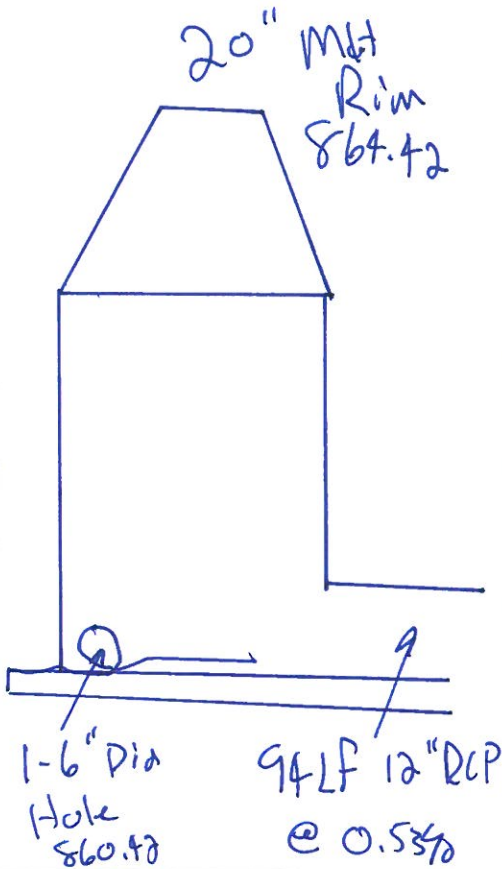
Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	6	6	x			
Elevation	860.00	860.42	x			
Other (Description)						
Opening Type and Size (inches)						
Elevation						
Emergency Spillway						
Elevation	869.50	870.00	x			
Length of spillway (feet)	15	15				
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	24" RCP		East end of pond			
Outfall 2	12" RCP		South middle of pond			
Outfall 3						
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	860.00	860.42	x			Gps and computer cad file
Design High Water Elevation	869.51	870.00	x			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.233	0.270	x			
Area at Design High Water Elevation (Ac)	0.971	0.799	x			
Active Storage Available (Ac-Ft)*	5.049	7.01	x			
Lowest Elevation at Top of Embankment (If Applicable)	869.50	870.92	x			
Average Elevation at Top of Embankment (If Applicable)	871.50	871.00	x			
Maximum Bottom Elevation	855.00	855.90	x			
Average Pond Bottom Elevation	855.00	856.50	x			
Pond Bottom Area (Ac)	0.0600	0.0952	x			
Maximum Pond Depth	5.0	4.42	x			
Average Pond Depth	5.0	3.92	x			
Average Permanent Pool Depth (Wet Ponds)	5.0	3.92	x			

*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

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:

10-3-2012



