



Village of Menomonee Falls
W156 N8480 Pilgrim Road
Menomonee Falls, WI 53051-3140
Telephone: (262) 532-4200

STORMWATER MANAGEMENT FACILITIES OPERATION AND INSPECTION REPORT

NE 1/4 & NW 1/4

Quarter Section of Section 5 Name of Business/Subdivision Capri Communities
Property Tax ID Number MNFV Address of Property W195 N9550 Rolling Meadow
0018999008 Circle, Menomonee Falls, WI
53051

Dry Pond	
Wet Pond	X
Other	

Location Of
Pond

Located in the south east
corner of the site

Description: WET POND C
SWP05N009

Year Pond Constructed 2020

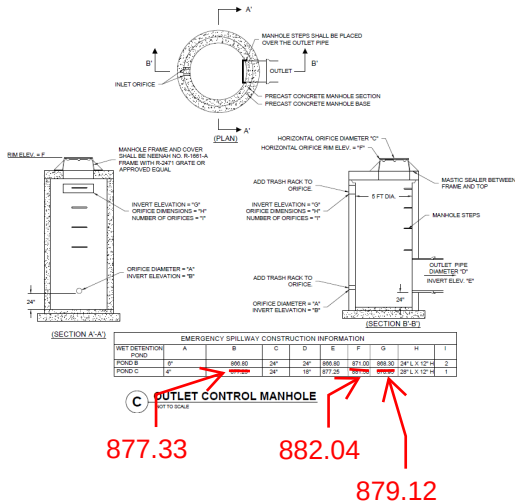
Year of Last Certification _____

Compliance Verification	Design	Actual	Compliant Yes No	Comments (Condition of Structure)
Primary Outlet Pipe				Outlet Pipe Material
Opening Diameter (inches)	18"	18"	X	
Upstream Invert	877.25	877.33	X	
Downstream Invert	876.25	876.21	X	
Length (feet)	47.8'	47.8'	X	
Slope (%)	2.09%	2.34%	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)	24"	24"	X	
Elevation	881.50	882.05	X	
Upper Discharge Control	(If Applicable)			
Opening Diameter (inches)	28" L X 12" H	28" L X 12" H	X	
Elevation	878.95	879.12	X	

Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	4"	4"	☒	☐		
Elevation	877.25	877.33	☒	☐		
Other (Description)						
Opening Type and Size (inches)			☐	☐		
Elevation			☐	☐		
Emergency Spillway						
Elevation	881.00	881.10	☒	☐		
Length of spillway (feet)	15'	18.5'	☒	☐		
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	18" RCP		NE SIDE OF POND			
Outfall 2						
Outfall 3						
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	877.25	877.33	☒	☐		
Design High Water Elevation	879.89	879.89	☒	☐		
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.674	0.633	☒	☐		
Area at Design High Water Elevation (Ac)	1.01	0.891	☒	☐		
Active Storage Available (Ac-Ft)*	2.624	3.631	☒	☐		
Lowest Elevation at Top of Embankment (If Applicable)			☐	☐	☒	
Average Elevation at Top of Embankment (If Applicable)			☐	☐	☒	
Maximum Bottom Elevation	873.25	873.24	☒	☐		
Average Pond Bottom Elevation	873.25	873.00	☒	☐		
Pond Bottom Area (Ac)	0.315	0.349	☒	☐		
Maximum Pond Depth	8.75'	9.00'	☒	☐		
Average Pond Depth	8.75'	9.00'	☒	☐		
Average Permanent Pool Depth (Wet Ponds)	4	4.33	☒	☐		

*To Determine Active Storage $V = \left(\left(\frac{H}{3} \right) \left(A_1 + A_2 + \left(\left(A_1 + A_2 \right)^{\left(\frac{1}{2} \right)} \right) \right) \right)$
 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



Inspection Firm: The Sigma Group
 Phone Number: 414-643-4200
 Address: 1300 West Canal Street
Milwaukee, WI 53233

Inspector Name : Colin Traustschold
 Inspection Date: October 13th, 2020

Certifying
 Professional Name: Christopher Carr, PE
 Phone Number: 414-643-4163



Date:
 3-25-2021

Signature:
Christopher Carr

Affix Seal Here