



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 north east
corner of the site

Description: Wet Detention Basin B
SWP05N008

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)	24"	24"	X		
Upstream Invert	866.80	866.90	X		
Downstream Invert	866.53	866.65	X		
Length (feet)	54.4'	53.7'	X		
Slope (%)	0.50%	0.46%	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	871.00	871.13			
Upper Discharge Control	(If Applicable)				
Opening Diameter (inches)	24" L X 12" H	24" L X 12" H	X		
Elevation	868.30	867.94	X		

Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	6"	6"	☒	☐		
Elevation	866.80	866.53	☒	☐		
Other (Description)						
Opening Type and Size (inches)			☐	☐		
Elevation			☐	☐		
Emergency Spillway						
Elevation	871.0	870.66	☒	☐		
Length of spillway (feet)	15'	20'	☒	☐		
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		24" RCP			
Outfall 2						
Outfall 3						
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	866.8	867.3	☒	☐		
Design High Water Elevation	869.94	869.94	☒	☐		
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.587	0.543	☒	☐		
Area at Design High Water Elevation (Ac)	0.873	0.861	☒	☐		
Active Storage Available (Ac-Ft)*	2.793	2.710	☒	☐		
Lowest Elevation at Top of Embankment (If Applicable)			☐	☐	☒	
Average Elevation at Top of Embankment (If Applicable)			☐	☐	☒	
Maximum Bottom Elevation	862.8	863.0	☒	☐		
Average Pond Bottom Elevation	862.8	862.9	☒	☐		
Pond Bottom Area (Ac)	0.147	0.158	☒	☐		
Maximum Pond Depth	9.2'	8.9'	☒	☐		
Average Pond Depth	9.2'	9.1'	☒	☐		
Average Permanent Pool Depth (Wet Ponds)	4'	4.3'	☒	☐		

*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

MANHOLE STEPS SHALL BE PLACED OVER THE OUTLET PIPE

PRECAST CONCRETE MANHOLE SECTION

PRECAST CONCRETE MANHOLE BASE

INLET ORIFICE

OUTLET

PLAN

HORIZONTAL ORIFICE DIAMETER = 10"

HORIZONTAL ORIFICE RISE ELEV. = 7'

ADD TRASH RACK TO ORIFICE

INVERT ELEVATION = 7'

ORIFICE DIMENSIONS = 10" X 10"

NUMBER OF ORIFICES = 1

MASTIC SEALER BETWEEN FRAME AND TOP

MANHOLE STEPS

OUTLET PIPE DIAMETER 10"

INVERT ELEV. 7'

SECTION A-A

MANHOLE FRAME AND COVER SHALL BE REINFORCED WITH 10" X 10" FRAME OR APPROVED EQUAL

INVERT ELEVATION = 7'

ORIFICE DIMENSIONS = 10" X 10"

NUMBER OF ORIFICES = 1

ORIFICE DIAMETER = 10"

INVERT ELEVATION = 7'

SECTION B-B

EMERGENCY SPILLWAY CONSTRUCTION INFORMATION

WET DETENTION POND	A	B	C	D	E	F	G	H	I
POND 1	24"	24"	886.53	24"	886.53	24"	886.53	24"	886.53
POND 2	24"	24"	886.53	24"	886.53	24"	886.53	24"	886.53

OUTLET CONTROL MANHOLE

886.53

881.13

881.13



Affix Seal Here