



Village of Menomonee Falls
W156 N8480 Pilgrim Road
Menomonee Falls, WI 53051-3140
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STORMWATER MANAGEMENT FACILITIES OPERATION AND INSPECTION REPORT

Quarter Section NE1/4 Sec31 Name of Business/Subdivision Carter's Crossing
Property Tax ID Number 0121-064 Address of Property South of Silver Spring between
Date 7/10/2020 Lannon Rd and Townline Rd

Dry Pond	X
Wet Pond	
Other	

Pond ID: SWP - 31N001
Basin #2

Location of Pond Outlot #2

Year Pond Constructed 2004 Year of Last Certification 2015

Compliance Verification	Design	Actual	Compliant Yes No	Comments (Condition of Structure)
Primary Outlet Pipe				Outlet Pipe Material
Opening Diameter (inches)	8"	8"	X	
Upstream Invert	839.00	839.13	X	
Downstream Invert	837.85	838.40	X	
Length (feet)	229	220'	X	
Slope (%)	0.50	0.33	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)				
Elevation				
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)						
Elevation						
Other (Description)						
Opening Type and Size (inches)						
Elevation						
Emergency Spillway						
Elevation						
Length of spillway (feet)						
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						
Outfall 2						
Outfall 3						
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	-	-				
Design High Water Elevation	842.89	843.09	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	-	-				
Area at Design High Water Elevation (Ac)	0.683	0.700	X			
Active Storage Available (Ac-Ft)*	1.006	0.705	X			
Lowest Elevation at Top of Embankment (If Applicable)	-	843.09	X			
Average Elevation at Top of Embankment (If Applicable)	844.00	844.00	X			
Maximum Bottom Elevation	840.00	839.66	X			
Average Pond Bottom Elevation	840.00	840.29	X			
Pond Bottom Area (Ac)	0.241	.041	X			
Maximum Pond Depth	3.89	3.43'	X			
Average Pond Depth	3.89	2.80'	X			
Average Permanent Pool Depth (Wet Ponds)	-	-				

*To Determine Active Storage $V = H/3(A1 + A2 + (A1 \times A2)^{1/2})$

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



Basin #2 Emergency Overflow



Outlet Pipe



Basin #2 Pond Overview





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