



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 NE1/4 Sec31 Name of Business/Subdivision Carter's Crossing
Property Tax ID Number 0121-064 & 0121-066 Address of Property South of Silver Spring between
Date 7/10/2020 Lannon Rd and Townline Rd

Dry Pond	
Wet Pond	X
Other	

Location of Pond Outlot #2 & Outlot #4

Pond ID: SWP31N002 & SWP31N003
Basin #3

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)	18"	18"	X	
Upstream Invert	834.00	833.84	X	
Downstream Invert	833.80	833.64	X	
Length (feet)	44	44'	X	
Slope (%)	0.50	0.45	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)	36"	36"	X	
Elevation	835.75	836.09	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"	3"	X			
Elevation	834.00	834.29	X			
Other (Description)						
Opening Type and Size (inches)						
Elevation						
Emergency Spillway						
Elevation	838.60	837.52	X			
Length of spillway (feet)	30'	30'	X			
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)	834.00	834.50	X			-Area includes both 3a and 3 basins -Area includes both 3a and 3 basins
Design High Water Elevation	838.60	839.24	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.962	0.960	X			
Area at Design High Water Elevation (Ac)	1.651	1.701	X			
Active Storage Available (Ac-Ft)*	5.224	7.07	X			
Lowest Elevation at Top of Embankment (If Applicable)	838.60	839.24	X			
Average Elevation at Top of Embankment (If Applicable)	839.60	839.98	X			
Maximum Bottom Elevation	827	825.37	X			
Average Pond Bottom Elevation	827	828.40	X			
Pond Bottom Area (Ac)	-					
Maximum Pond Depth	7	9.13'	X			
Average Pond Depth	7	6.10'	X			
Average Permanent Pool Depth (Wet Ponds)	7	6.10'	X			

*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

Sketch Outlet or Attach to Document	Place Photograph of Pond or Attach to Document
	Place Photograph of Pond or Attach to Document

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

Inspection Firm:	Harwood Engineering	Inspector Name :	Nathan Schmit
Phone Number:	414-475-5554	Inspection Date:	07/10/2020
Address:	255 N 21 st Street		
	Milwaukee, WI 53233		

Certifying Professional
 Name: Nathan Schmit
 Phone Number: 414-918-1214



Date: 07/20/2020	Signature:
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Basin #3 Emergency Overflow



Outlet Control Structure



Basin #3 Pond Overview



