



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 0121-067 Address of Property South of Silver Spring between
Date 7/10/2020 Lannon Rd and Townline Rd

Dry Pond	
Wet Pond	X
Other	

Pond ID: SWP - 31N004
Basin #1

Location of Pond Outlot #5

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)	12" w/ 10" opening	12"	X	
Upstream Invert	840.00	839.79	X	
Downstream Invert	837.00	838.09	X	
Length (feet)	80'	62'	X	
Slope (%)	3.75	2.74	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	842.00	842.00	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)	2"	3"	X			
Elevation	840.00	839.49	X			
Other (Description)						
Opening Type and Size (inches)						
Elevation						
Emergency Spillway						
Elevation	844.60	844.06	X			
Length of spillway (feet)	20'	20'	X			
Embankment	Present Yes no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	X		Remove woody vegetation around outlet control structure Remove debris from orifice in outlet control structure			
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)	840.00	839.00	X			
Design High Water Elevation	844.60	843.68	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.151	0.069	X			
Area at Design High Water Elevation (Ac)	0.361	0.343	X			
Active Storage Available (Ac-Ft)*	0.827	0.661	X			
Lowest Elevation at Top of Embankment (If Applicable)	844.60	843.68	X			
Average Elevation at Top of Embankment (If Applicable)	845.60	845.55	X			
Maximum Bottom Elevation	834.00	833.92	X			
Average Pond Bottom Elevation	834.00	834.31	X			
Pond Bottom Area (Ac)						
Maximum Pond Depth	6'	5.08'	X			
Average Pond Depth	6'	4.69'	X			
Average Permanent Pool Depth (Wet Ponds)	6'	4.69'	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


<i>Sketch Outlet or Attach to Document</i>	<i>Place Photog</i>
	<i>Place Photograph of Pond or Attach to Document</i>

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 #1 Emergency Overflow



Outlet Control Structure



Basin #1 Pond Overview



