



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 NW1/4 SEC 30 Name of Business/Subdivision Silver Spring Estates  
Property Tax ID Number MNFV0118118 Address of Property  
Outlot 10 Silver Spring Estates

Dry Pond	<input type="checkbox"/>
Wet Pond	<input checked="" type="checkbox"/>
Other	<input type="checkbox"/>

Description: Pond installed Phase 6 of SSE  
SWP30N004

Location Of  
Pond

West of Lot 95&96 On Masters Drive  
Silver Spring Estates Subdivision

Year Pond Constructed 2018

Year of Last Certification NA

Compliance Verification	Design	Actual	Compliant		Comments ( Condition of Structure)
			Yes	No	
<b>Primary Outlet Pipe</b>					
Opening Diameter (inches)	12"	12"	<input checked="" type="checkbox"/>	<input type="checkbox"/>	12" outlet pipe along with 2" primary and 6" secondary orifices in the outlet structure listed below.
Upstream Invert	854.00	853.89	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Downstream Invert	853.52	853.60	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Length (feet)	50	50	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Slope (%)	0.69%	.58%	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>Secondary Outlet Pipe</b> (If Applicable)					
Opening Diameter (inches)	NA	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Upstream Invert	NA	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Downstream Invert	NA	NA	<input type="checkbox"/>	<input type="checkbox"/>	
Length (feet)	NA	NA	<input type="checkbox"/>	<input type="checkbox"/>	
Slope (%)	NA	NA	<input type="checkbox"/>	<input type="checkbox"/>	
<b>Riser</b> (If Applicable)					
Opening Diameter (inches)	36"	36"	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Elevation	859.50	859.30	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<b>Upper Discharge Control</b> (If Applicable)					
Opening Diameter (inches)	36"	36"	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Elevation	859.50	859.30	<input checked="" type="checkbox"/>	<input type="checkbox"/>	

<b>Compliance Verification</b>		Design	Actual	Compliant Yes	No	Comments
<b>Lower Discharge Control</b>		(If Applicable)				
Opening Diameter (inches)	2"	2"	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Elevation	854.00	853.89	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
<b>Other (Description)</b>		6" upper orifice				
Opening Type and Size (inches)	6"	6"	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
Elevation	855.50	855.14	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
<b>Emergency Spillway</b>						
Elevation	859.70		<input checked="" type="checkbox"/>	<input type="checkbox"/>	Spillway Elevation is 859.62	
Length of spillway (feet)	18'	20'	<input checked="" type="checkbox"/>	<input type="checkbox"/>		
<b>Embankment</b>		Present Yes no		Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation		<b>No</b>				
Animal burrows or slope erosion		<b>No</b>				
<b>Storm Sewer Outfalls</b>		Type & Size		Location		Comments
Outfall 1	30" CMP		East Bank			
Outfall 2	12" CMP		East Bank			
Outfall 3	36" CMP		North Bank			
<b>Storage Properties</b>		Design	Actual	Compliant Yes	No	Equipment Used
Normal Water Elevation (Wet Ponds)	854.00	853.89	Y			Volumes given in cubic feet due to Hydro cad Pond Analysis included as an attachment.
Design High Water Elevation	859.70	859.62	Y			
Area at Normal Water Elevation (Ac) (Wet Ponds)	35579	34956	Y			
Area at Design High Water Elevation (Ac)	62271	62000	Y			
Active Storage Available (Ac-Ft)*	317,792	311,111	Y			
Lowest Elevation at Top of Embankment (If Applicable)	861.7	861.60	Y			
Average Elevation at Top of Embankment (If Applicable)	861.70	861.71	Y			
Maximum Bottom Elevation	848.0	847.9	Y			
Average Pond Bottom Elevation	848.0	848.0	Y			
Pond Bottom Area (Ac)	21467	19200	Y			
Maximum Pond Depth	6	5.99	Y			
Average Pond Depth	6	5.99	Y			
Average Permanent Pool Depth (Wet Ponds)	<b>6</b>	<b>5.99</b>	Y			

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

Wet Ponds Use  $H = \text{Height of Section}$ ,  $A1 = \text{area at normal water elevation}$ ,  $A2 = \text{area at top section}$

Dry Ponds Use  $H = \text{Height of Section}$ ,  $A1 = \text{pond bottom area}$ ,  $A2 = \text{area at top section}$

*Sketch Outlet*

Pond as built and Hydro cad Pond  
Analysis included as an attachment.

*Place Photograph of Pond*

*Place Photograph of Pond*

Inspection Firm: Excel Engineering Inc.  
Phone Number: 920-926-9800  
Address: 100 Camelot Drive  
Fond du lac, WI 54935

Inspector Name : Max Franzen  
Inspection Date: \_\_\_\_\_

Certifying

Professional Name: Grant Duchac  
Phone Number: 920-926-9800

Date:

**04/27/21**

Signature:

