



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	
Wet Pond	x
Other	

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

Description: Pond installed Phase 6 of SSE  
SWP30N004

Year Pond Constructed 2018 Year of Last Certification NA

Compliance Verification	Design	Actual	Compliant Yes    No		Comments ( Condition of Structure)
Primary Outlet Pipe					Outlet Pipe Material
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"/>	
Secondary Outlet Pipe	(If Applicable)				Outlet Pipe Material
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"/>	
Riser	(If Applicable)				Riser Material
Opening Diameter (inches)	36"	36"	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Elevation	859.50	859.30	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Upper Discharge Control	(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"/>	

Compliance Verification		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			No				
Animal burrows or slope erosion			No				
<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		Not Applicable	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)		6	5.99	Y			

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

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*

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:

*Grant Duchac*