



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
Property Tax ID Number MNFV0118144 Address of Property

Silver Spring Estates

Outlot 15 Silver Spring Estates

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

Location Of
Pond

Immediately north of Augusta Parkway

Silver Spring Estates Subdivision

Description: Pond installed Phase 7 of SSE
SWP30N005

Year Pond Constructed 2020

Year of Last Certification NA

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
<i>Primary Outlet Pipe</i>					
Opening Diameter (inches)	12"	12"	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Outlet Pipe Material
Upstream Invert	853.67	853.81	<input checked="" type="checkbox"/>	<input type="checkbox"/>	12" outlet pipe along with 6" primary orifice in the outlet structure listed below.
Downstream Invert	853.50	853.66	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Length (feet)	33	33	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Slope (%)	0.50%	.45%	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<i>Secondary Outlet Pipe</i>	(If Applicable)				
Opening Diameter (inches)	NA	NA	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Outlet Pipe Material
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"/>	
<i>Riser</i>	(If Applicable)				
Opening Diameter (inches)	36"	36"	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Riser Material
Elevation	856.50	856.40	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
<i>Upper Discharge Control</i>	(If Applicable)				
Opening Diameter (inches)			<input type="checkbox"/>	<input type="checkbox"/>	
Elevation			<input type="checkbox"/>	<input type="checkbox"/>	

Compliance Verification		Design	Actual	Compliant Yes No		Comments			
<i>Lower Discharge Control</i>		(If Applicable)							
Opening Diameter (inches)	6"	6"		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
Elevation	853.67	853.61		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
<i>Other (Description)</i>									
Opening Type and Size (inches)				<input type="checkbox"/>	<input type="checkbox"/>				
Elevation				<input type="checkbox"/>	<input type="checkbox"/>				
<i>Emergency Spillway</i>									
Elevation	856.50			<input checked="" type="checkbox"/>	<input type="checkbox"/>	Spillway Elevation is 856.49			
Length of spillway (feet)	10'	10'		<input checked="" type="checkbox"/>	<input type="checkbox"/>				
<i>Embankment</i>		Present Yes no		Comments/Maintenance Requirements					
Unauthorized Plantings, trees, or woody vegetation		No							
Animal burrows or slope erosion		No							
<i>Storm Sewer Outfalls</i>		Type & Size		Location		Comments			
Outfall 1	12" CMP		South Bank						
Outfall 2									
Outfall 3									
<i>Storage Properties</i>		Design	Actual	Compliant Yes	No	Not Applicable	Equipment Used		
Normal Water Elevation (Wet Ponds)	NA						Volumes in Cubic Feet due to hydro cad analysis attached.		
Design High Water Elevation	859.70	859.62	Y						
Area at Normal Water Elevation (Ac) (Wet Ponds)	NA								
Area at Design High Water Elevation (Ac)	6,670	12,606	Y						
Active Storage Available (Ac-Ft)*	11,966	15,094	Y						
Lowest Elevation at Top of Embankment (If Applicable)	857.0	857.40	Y						
Average Elevation at Top of Embankment (If Applicable)	857.0	857.50	Y						
Maximum Bottom Elevation	NA								
Average Pond Bottom Elevation	NA								
Pond Bottom Area (Ac)	NA								
Maximum Pond Depth	NA								
Average Pond Depth	NA								
Average Permanent Pool Depth (Wet Ponds)	NA								

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

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:

