



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 MNFV0118144 Address of Property 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 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 6" primary orifice in the outlet structure listed below.
Upstream Invert	853.67	853.81	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
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"/>	
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	856.50	856.40	<input checked="" type="checkbox"/>	<input type="checkbox"/>	
Upper Discharge Control	(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	
Lower Discharge Control	(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"/>		
Other (Description)						
Opening Type and Size (inches)			<input type="checkbox"/>	<input type="checkbox"/>		
Elevation			<input type="checkbox"/>	<input type="checkbox"/>		
Emergency Spillway						
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"/>		
Embankment	Present Yes no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation		No				
Animal burrows or slope erosion		No				
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1	12" CMP		South Bank			
Outfall 2						
Outfall 3						
Storage Properties	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 $V = \left(\left(\frac{H}{3} \right) \left(A1 + A2 + \left(\left(A1 + A2 \right)^{\wedge} \left(\frac{1}{2} \right) \right) \right) \right)$

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

