



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 SE&SW1/4 of the NW1/ Sec. 30 Name of Business/Subdivision Silver Spring Estates
Property Tax ID Number _____ Address of Property _____
Date: November 12, 2014 _____

Town Line Road and Legacy Trail

Dry Pond	<input checked="" type="checkbox"/>	Pond ID: <u>SWP Entrance Pond</u>		Location of Pond	South of Legacy Trail 250' East of Townline Road
Wet Pond	<input type="checkbox"/>				
Other	<input type="checkbox"/>				

Year Pond Constructed 2014 Year of Last Certification _____

Compliance Verification	Design	Actual	Compliant Yes	No	Comments (Condition of Structure)
Primary Outlet Pipe					
Opening Diameter (inches)	5"	5"	x		5" orifice cored in outlet structure
Upstream Invert	851.58	851.53	x		
Downstream Invert					
Length (feet)					
Slope (%)					
Secondary Outlet Pipe	(If Applicable)				
Opening Diameter (inches)					Outlet Pipe Material
Upstream Invert	851.58	851.64	x		Reinforced Concrete
Downstream Invert	851.45	851.41	x		
Length (feet)	30'	26'	x		
Slope (%)	0.50%	0.76%	x		
Riser	(If Applicable)				
Opening Diameter (inches)	36"	36"	x		Riser Material
Elevation	854.50	854.12	x		Concrete outlet structure
Upper Discharge Control	(If Applicable)				
Opening Diameter (inches)					
Elevation					

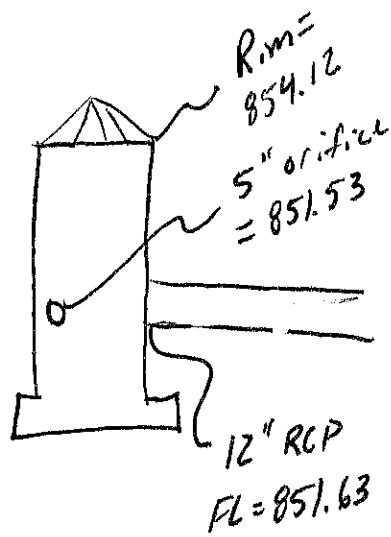
Compliance Verification	Design	Actual	Compliant Yes	No	Comments
Lower Discharge Control	(If Applicable)				
Opening Diameter (inches)					
Elevation					
Other (Description)					
Opening Type and Size (inches)					
Elevation					
Emergency Spillway					
Elevation	854.50	854.50			
Length of spillway (feet)	5'	5'			5' Wide Spillway
Embankment	Present Yes	no	Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation		x			
Animal burrows or slope erosion		x			
Storm Sewer Outfalls	Type & Size		Location		Comments
Outfall 1	18" RCP		North Side of pond from Legacy Trail		
Outfall 2					
Outfall 3					
Storage Properties	Design	Actual	Compliant Yes	No	Not Applicable
Normal Water Elevation (Wet Ponds)					See attached Hydra Flow calculations for pond storage volumes
Design High Water Elevation					
Area at Normal Water Elevation (Ac) (Wet Ponds)					
Area at Design High Water Elevation (Ac)					
Active Storage Available (Ac-Ft)*					
Lowest Elevation at Top of Embankment (If Applicable)					
Average Elevation at Top of Embankment (If Applicable)					
Maximum Bottom Elevation					
Average Pond Bottom Elevation					
Pond Bottom Area (Ac)					
Maximum Pond Depth					
Average Pond Depth					
Average Permanent Pool Depth (Wet Ponds)					

*To Determine Active Storage $V=H/3(A1+A2+(A1xA2)1/2)$

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, A_1 = pond bottom area, A_2 =area at top section

Sketch Outlet or Attach to Document



Place Photograph of Pond or Attach to Document

See Attached

Place Photograph of Pond or Attach to Document

Attach As-built Survey to the Document for the first report submission

Inspection Firm: Excel Engineering Inc.
Phone Number: 920-322-1726
Address: 100 Camelot Dr.
Fond du lac, WI 54935

Inspector Name: Max Franzen
Inspection Date: November 10, 2014

Certifying Professional
Name: Jeff Quast
Phone Number: 920-322-1700

Date: 11-14-2014

Signature:

