

STORMWATER MANAGEMENT FACILITIES OPERATION AND INSPECTION REPORT

Quarter Section	05 SE	Name of Business/Subdivision	N/A
Property Tax ID Number	0020994005	Address of Property	N/A

Dry Pond			Location Of
Wet Pond	X		WEST OF MAPLE RD AT
Other			CHRISTMAN RD
Description: SWP05S001			“WETLAND SCRAPE”
P-0153			

Year Pond Constructed	2014	Year of Last Certification	2015
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Compliance Verification	Design (Non-AsBuilt)	Actual (GPS)	Compliant Yes No	Comments (Condition of Structure)
Primary Outlet Pipe				Outlet Pipe Material
Opening Diameter (inches)	-	-	- -	REFER TO “UPPER DISCHARGE CONTROL”/ “LOWER DISCHARGE CONTROL” DATA FOR STRUCTURE ST014119. ELEVATIONS TO VARY SLIGHTLY FROM YEAR TO YEAR DUE TO GPS TECHNOLOGY
Upstream Invert	-	-	- -	
Downstream Invert	-	-	- -	
Length (feet)	-	-	- -	
Slope (%)	-	-	- -	
Secondary Outlet Pipe	N/A			Outlet Pipe Material
Opening Diameter (inches)	-	-	- -	
Upstream Invert	-	-	- -	
Downstream Invert	-	-	- -	
Length (feet)	-	-	- -	
Slope (%)	-	-	- -	
Riser	N/A			Riser Material
Opening Diameter (inches)	-	-	- -	@ TOP OF LOWEST ENTRY POINT FOR WATER ABOVE WEIR
Elevation	-	-	- -	
Upper Discharge Control	ST014119			
Opening Diameter	N/A	SEE NOTE	X -	V-NOTCH WEIR APPROX. 84” WIDE AT TOP ELEVATION AT TOP OF WEIR = 862.43
Elevation	862.50	862.43	X -	

Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	ST014119					
Opening Diameter	N/A	SEE NOTE	X	-	V-NOTCH WEIR APPROX. 12” WIDE AT BASE ELEVATION AT BOTTOM OF WEIR = 858.88	
Elevation	859.00	858.88	X	-		
Other (Description)	N/A					
Opening Type and Size (inches)			-	-		
Elevation			-	-		
Emergency Spillway						
Elevation	860.60	860.89	X	-		
Length of spillway (feet)	72.4 FT	79.4 FT	X	-		
Embankment	Present Yes No		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	-	N	AT LEAST FOUR (4) HOLES OBSERVED ON S EMBANKMENT			
Animal burrows or slope erosion or hole	Y	-				
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1 (ST013545)	12FT X 3FT RCP		SOUTHEAST POND		BOX CULVERT, GOOD CONDITION	
Outfall 2 (ST013548)	42”x28” RCP		SOUTHEAST POND		GOOD CONDITION	
Outfall 5						
Storage Properties	Design (NON- ASBUILT)	Actual (GPS)	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	859.00	859.00	Y	-		GPS EQUIPMENT: GEOMAX ZENITH35 & CARLSON SURVEYOR2 WITH SURV CE v5.04
Design High Water Elevation	861.67	860.89	Y	-		
Area at Normal Water Elevation (Ac) (Wet Ponds)	N/A	1.769 AC	Y	-		
Area at Design High Water Elevation (Ac)	N/A	5.064 AC	Y	-		
Active Storage Available (Ac-Ft)*	N/A	10.231 ACFT	Y	-		
Lowest Elevation at Top of Embankment (If Applicable)	860.60	860.89	Y	-		
Average Elevation at Top of Embankment (If Applicable)	862.50	862.25	Y	-		
Maximum Bottom Elevation	800.60	859.00	Y	-		
Average Pond Bottom Elevation	860.00	859.00	Y	-		
Pond Bottom Area (Ac)	N/A	1.769 AC	Y	-		
Maximum Pond Depth	2.67 FT	3.25 FT	Y	-		
Average Pond Depth	2.0’	1.89 FT	Y	-		
Average Permanent Pool Depth (Wet Ponds)	0.4 FT	0.4 FT	-	-		

*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

Maple Road Wetland – SWP05S001

Overview



Maple Road Wetland – SWP05S001

Storm Water Inlet ST013545 (Left) | Storm Water Inlet ST013548 (Right)



Overflow Weir Structure ST014119



Maple Road Wetland – SWP05S001

Weir Ditch



Maple Road Wetland – SWP05S001

Repairs Needed

South ditch immediately west of weir ditch has fallen tree.
Clear tree of ditch prior to it blocking flow.



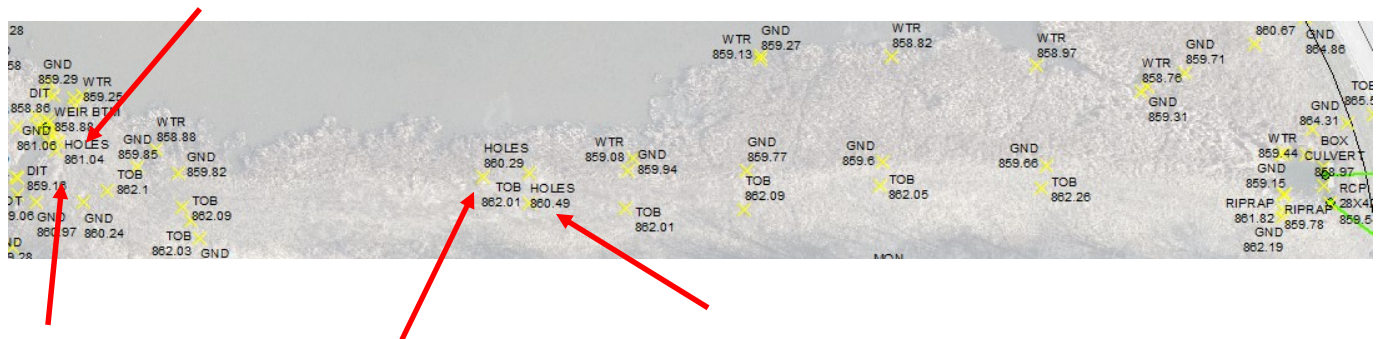
SEE BURROW LOCATION LIST ON NEXT PAGE

Maple Road Wetland – SWP05S001

Several burrows observed:



Location 1: E of Weir
Location 2: SSE of Weir



Location 3: 2 Holes midway between forebay and weir near cattails.

Sketch Outlet

Place Photograph of Pond

Place Photograph of Pond

Inspection Firm: VILLAGE OF
MENOMONEE FALLS
Phone Number: 262-532-4411
Address: W156N8480 PILGRIM RD
MENOMONEE FALLS, WI
53051

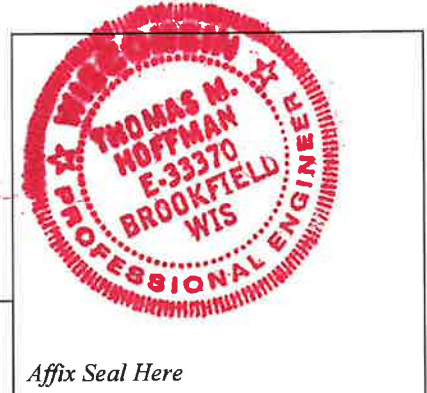
Inspector Name: CHRISTOPHER M GARIEPY

Inspection Date: 12/09/2020

Certifying

Professional Name: THOMAS M. HOFFMAN, P.E.

Phone Number: (262) 532-4415



Date:

1/28/2021

Signature:

[Handwritten Signature]

Affix Seal Here