

**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	WEST OF MAPLE RD AT
Wet Pond	X	Pond	CHRISTMAN RD
Other			“WETLAND SCRAPE”

Year Pond Constructed 2014 Year of Last Certification 2015

Compliance Verification	Design (Non-AsBuilt)	Actual (GPS)	Compliant Yes	Compliant No	Comments (Condition of Structure)
<i>Primary Outlet Pipe</i>					
Opening Diameter (inches)	-	-	-	-	REFER TO “UPPER DISCHARGE CONTROL”/ “LOWER DISCHARGE CONTROL” DATA FOR STRUCTURE ST014119.
Upstream Invert	-	-	-	-	
Downstream Invert	-	-	-	-	
Length (feet)	-	-	-	-	
Slope (%)	-	-	-	-	ELEVATIONS TO VARY SLIGHTLY FROM YEAR TO YEAR DUE TO GPS TECHNOLOGY
<i>Secondary Outlet Pipe</i>	N/A				
Opening Diameter (inches)	-	-	-	-	
Upstream Invert	-	-	-	-	
Downstream Invert	-	-	-	-	
Length (feet)	-	-	-	-	
Slope (%)	-	-	-	-	
<i>Riser</i>	N/A				
Opening Diameter (inches)	-	-	-	-	
Elevation	-	-	-	-	@ TOP OF LOWEST ENTRY POINT FOR WATER ABOVE WEIR
<i>Upper Discharge Control</i>	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)						
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		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	-	N				
Animal burrows or slope erosion or hole	Y	-	AT LEAST FOUR (4) HOLES OBSERVED ON S EMBANKMENT			
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 $V = ((H/3)(A1 + A2 + ((A1 + A2)^{(1/2)})))$

Wet Ponds Use $H = \text{Height of Section}$, $A1 = \text{area at normal water elevation}$, $A2 = \text{area at top section}$

Dry Ponds Use $H = \text{Height of Section}$, $A1 = \text{pond bottom area}$, $A2 = \text{area at top section}$

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

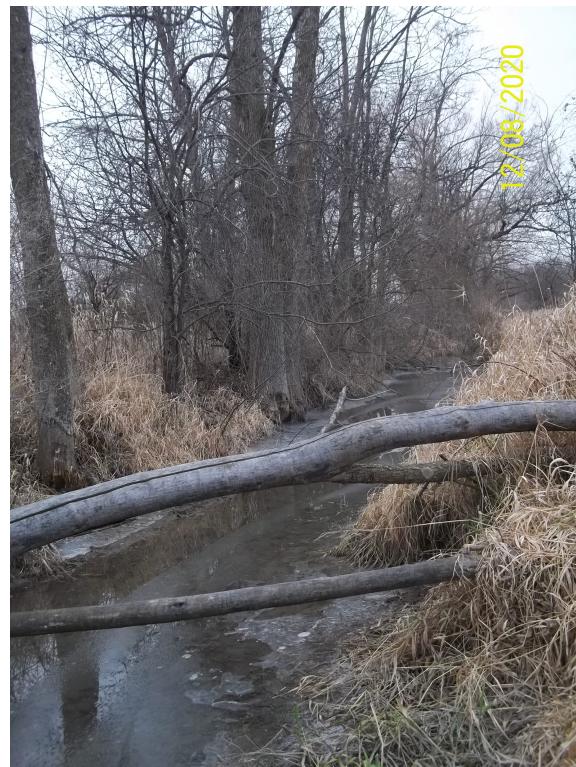
Weir Ditch



Maple Road Wetland – SWP05S001

Repairs Needed

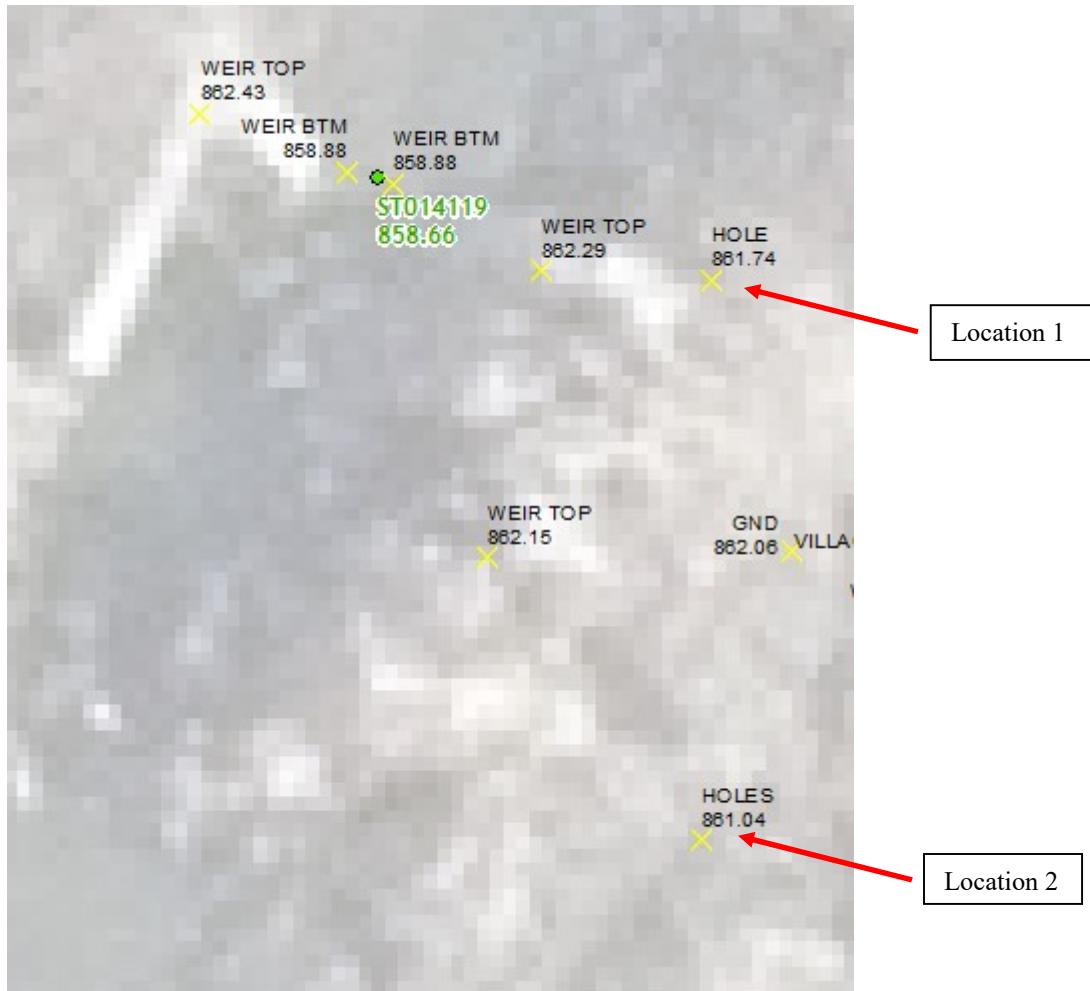
South ditch immediately west of weir ditch has fallen tree.
Clear tree of ditch prior to it blocking flow.



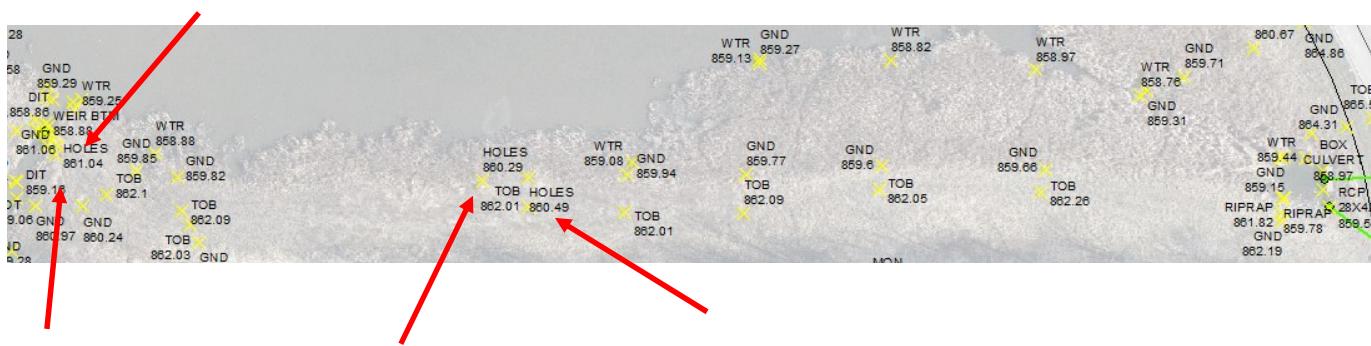
SEE BURROW LOCATION LIST ON NEXT PAGE

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Several burrows observed:



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



Sketch Outlet

Place Photograph of Pond

Place Photograph of Pond

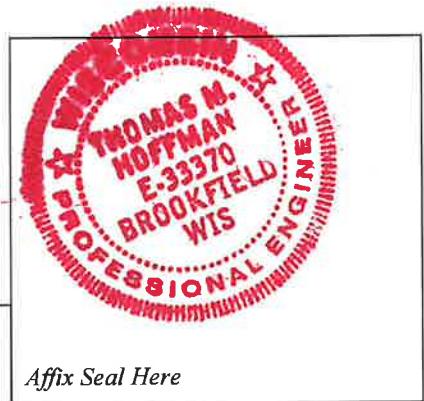
Inspection Firm:	<u>VILLAGE OF MENOMONEE FALLS</u>	Inspector Name:	<u>CHRISTOPHER M GARIEPY</u>
Phone Number:	<u>262-532-4411</u>	Inspection Date:	<u>12/09/2020</u>
Address:	<u>W156N8480 PILGRIM RD</u>		
	<u>MENOMONEE FALLS, WI</u>		
	<u>53051</u>		

Certifying

Professional Name: THOMAS M. HOFFMAN, P.E.
Phone Number: (262) 532-4415

Date: 1/28/2021

Signature: THOMAS M. HOFFMAN



Affix Seal Here