

**STORMWATER MANAGEMENT FACILITIES
OPERATION AND INSPECTION REPORT**

Quarter Section	23 SW	Name of Business/Subdivision	LITTLE LEAGUE FIELDS
Property Tax ID Number	0091999	Address of Property	N64W15020 MILL RD
			MENOMONEE FALLS, WI 53051

Dry Pond	X	Location Of Pond	LARGER PROPERTY N OF MILLRD
Wet Pond			N OF PAPOOSE DR
Other			N OF 2 N MOST BALL DIAMONDS

Year Pond Constructed 2006 Year of Last Certification 2011

Compliance Verification	Design (Non- AsBuilt)	Actual (GPS)	Compliant Yes	Non No	Comments (Condition of Structure)
<i>Primary Outlet Pipe</i>					Outlet Pipe Material
Opening Diameter (inches)	4"	12"	-	X	MISSING: CAP W/4" ORIFACE
Upstream Invert (ST0021148)	811.00	811.30	X	-	RCP, GOOD CONDITION
Downstream Invert (ST021149)	810.30	?	-	-	POOR GPS SIGNAL, UNRELIABLE DATA.
Length (feet)	140.0	?	-	-	
Slope (%)	0.0050	?	-	-	ELEVATIONS TO VARY SLIGHTLY FROM YEAR TO YEAR DUE TO GPS TECHNOLOGY
<i>Secondary Outlet Pipe</i>					Outlet Pipe Material
Opening Diameter (inches)			-	-	
Upstream Invert			-	-	
Downstream Invert			-	-	
Length (feet)			-	-	
Slope (%)			-	-	
<i>Riser</i>	N/A				Riser Material
Opening Diameter (inches)	24"X36"	24"X36"	X	-	REINFORCED CONCRETE, GOOD CONDITION
Elevation	818.30	818.69	X	-	
<i>Upper Discharge Control</i>	N/A				
Opening Diameter (inches)			-	-	
Elevation			-	-	

Compliance Verification	Design	Actual	Compliant Yes	No	Comments
Lower Discharge Control					
Opening Diameter (inches)			-	-	
Elevation			-	-	
Other (Description)					
Opening Type and Size (inches)			-	-	
Elevation			-	-	
Emergency Spillway					
Elevation	818.80	817.55	-	X	ELEVATION TOO LOW.
Length of spillway (feet)	16.0	23.6	-	X	E CORNER OF POND, N OF E BALLFIELD FENCE
Embankment	Present Yes		Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation	X	-	TALL GRASSES, WOODY VEGETATION PRESENT		
Animal burrows or slope erosion or hole	-	X			
Storm Sewer Outfalls	Type & Size		Location		Comments
Outfall 1 (ST021145)	CORGT PVC 12"		SW POND		GOOD CONDITION
Outfall 2	-				
Outfall 3	-				
Outfall 4	-				
Outfall 5	-				
Storage Properties	Design (NON-ASBUILT)	Actual (GPS)	Compliant Yes	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)			-	-	X
Design High Water Elevation	818.80	818.69	X	-	GPS EQUIPMENT: GEOMAX ZENITH35 & CARLSON SURVEYOR2 WITH SURV CE v5.04
Area at Normal Water Elevation (Ac) (Wet Ponds)			-	-	
Area at Design High Water Elevation (Ac)	0.678 AC	0.505 AC	-	X	
Active Storage Available (Ac-Ft)*	1.207 ACFT	0.758 ACFT	-	X	
Lowest Elevation at Top of Embankment (If Applicable)	818.80	817.55	-	X	
Average Elevation at Top of Embankment (If Applicable)	820.00	820.00	X	-	
Maximum Bottom Elevation	816.00	815.71	X	-	
Average Pond Bottom Elevation	816.00	815.70	X	-	
Pond Bottom Area (Ac)	0.190 AC	0.166 AC	X	-	
Maximum Pond Depth	4.5	4.3	X	-	
Average Pond Depth	3.0	1.84	-	X	
Average Permanent Pool Depth (Wet Ponds)	N/A		-	-	X

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

Little League Fields – SWP23S001

Overview



Spillway ST021150 & Storm Sewer Overflow ST021148



Little League Fields – SWP23S001

Storm Sewer Outlet ST021145



Little League Fields – SWP23S001

Repairs Needed (11/03/2022)

Clear brush from pond and embankments.

Sketch Outlet

Place Photograph of Pond

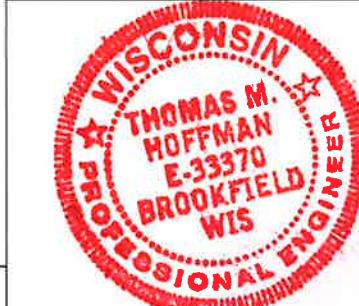
Place Photograph of Pond

Inspection Firm: VILLAGE OF
MENOMONEE FALLS Inspector Name: CHRISTOPHER M GARIEPY
Phone Number: 262-532-4411 Inspection Date: November 3rd, 2022
Address: W156N8480 PILGRIM RD
MENOMONEE FALLS, WI
53051

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

Date:
2/9/2023

Signature:



Affix Seal Here

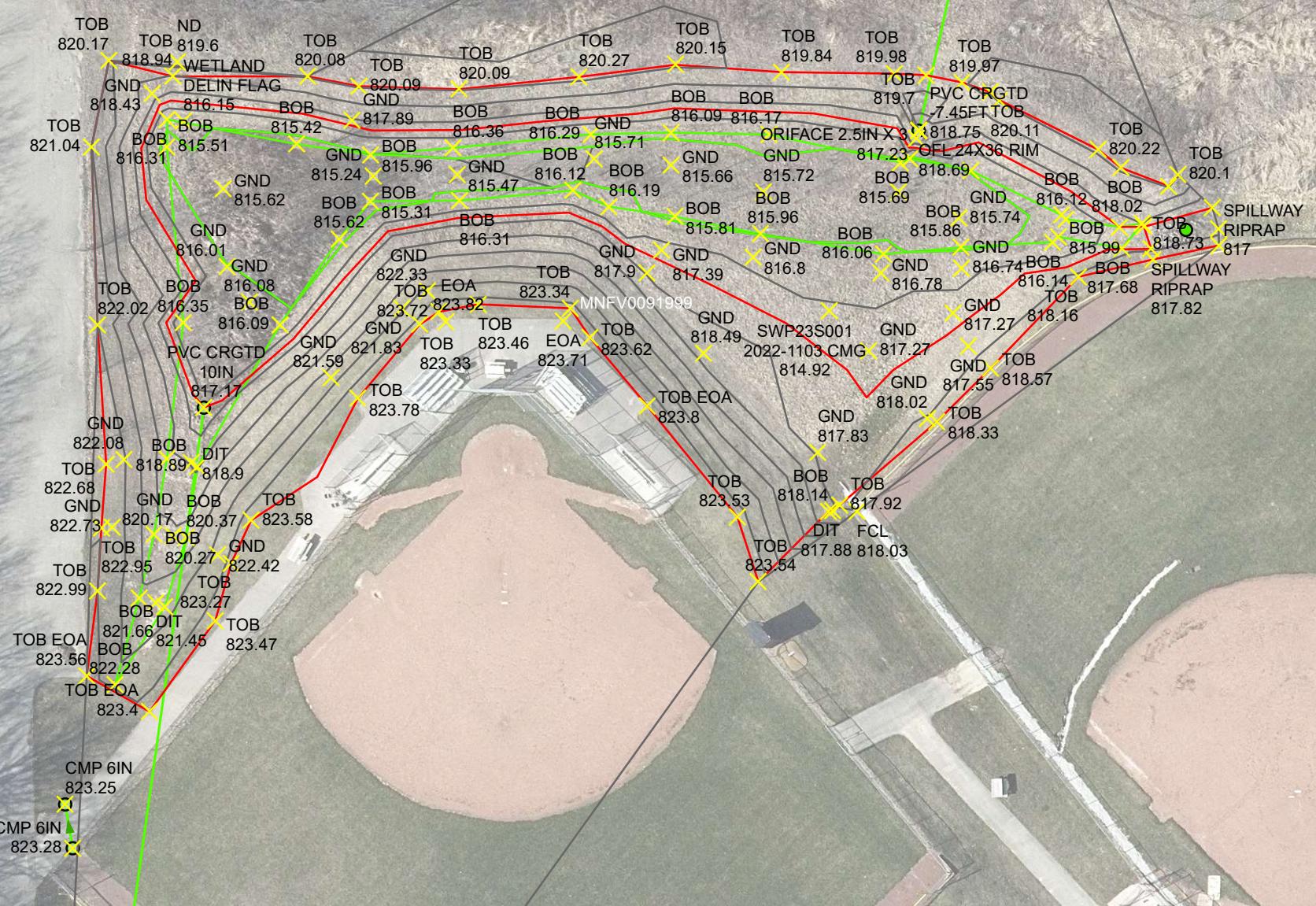


Little League
Stormwater Facility
SWP23S001
SURVEYED 2022-1103 CMG



0 10 20 40 60 80
Feet

1 inch = 50 feet



LOW
H1 $A_1 = 7,234.7 \text{ SF} = 0.166 \text{ AC}$
 $A_2 = 18,170.0 \text{ SF} = 0.394 \text{ AC}$
 $H = H_1 - H_2 = 817.55 - 815.25 = 1.80 \text{ FT}$

2022
SWP235001

SWP235001 Little League Fields

$$V = \left(\frac{H}{3}\right) \left(A_1 + A_2 + \sqrt{A_1 + A_2}\right)$$

$$V = \left(\frac{1.80 \text{ FT}}{3}\right) \left(0.166 \text{ AC} + 0.394 \text{ AC} + \sqrt{0.166 \text{ AC} + 0.394 \text{ AC}}\right)$$

$$V = (0.6 \text{ FT}) (0.56 \text{ AC} + \sqrt{0.56 \text{ AC}})$$

$$V = (0.6 \text{ FT}) (0.56 \text{ AC} + 0.748 \text{ AC})$$

$$V = 0.785 \text{ AC FT} \quad \checkmark \text{ CMS}$$

11/1/22

