

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
Wet Pond	
Other	

Description: SWP23S005

Location Of Pond
LARGER PROPERTY N OF MILLRD
N OF PAPOOSE DR
SW OF 4 SOUTH-MOST BALL
DIAMONDS BY MILL RD

Year Pond Constructed 2006 Year of Last Certification 2011

Compliance Verification	Design (Non-AsBuilt)	Actual (GPS)	Compliant Yes No	Comments (Condition of Structure)
Primary Outlet Pipe				Outlet Pipe Material
Opening Diameter (inches)	12"	12"	X -	RCP, END SECTIONS MOVED OFF MAIN PIPE ELEVATIONS TO VARY SLIGHTLY FROM YEAR TO YEAR DUE TO GPS TECHNOLOGY
Upstream Invert (ST021165)	819.10	819.03	X -	
Downstream Invert (ST021166)	818.84	818.29	- X	
Length (feet)	?	49.6	? -	
Slope (%)	0.50	1.49	- X	
Secondary Outlet Pipe				Outlet Pipe Material
Opening Diameter (inches)			- -	
Upstream Invert			- -	
Downstream Invert			- -	
Length (feet)			- -	
Slope (%)			- -	
Riser	N/A			Riser Material
Opening Diameter (inches)			- -	
Elevation			- -	
Upper Discharge Control	N/A			
Opening Diameter (inches)			- -	
Elevation			- -	

Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control						
Opening Diameter (inches)			-	-		
Elevation			-	-		
Other (Description)	N/A					
Opening Type and Size (inches)			-	-		
Elevation			-	-		
Emergency Spillway						
Elevation	?	821.00	?	-		
Length of spillway (feet)	?	32.9	?	-	SE CORNER OF POND, S OF ST021167	
Embankment	Present Yes No		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	-	X	TALL GRASSES PRESENT			
Animal burrows or slope erosion or hole	-	X				
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1	-					
Outfall 2	-					
Outfall 3	-					
Outfall 4	-					
Outfall 5	-					
Storage Properties	Design (NON-ASBUILT)	Actual (GPS)	Compliant Yes No	Not Applicable	Equipment Used	
Normal Water Elevation <i>(Wet Ponds)</i>			-	-	N/A	GPS EQUIPMENT: GEOMAX ZENITH35 & CARLSON SURVEYOR2 WITH SURV CE v5.04
Design High Water Elevation	824.00	824.00	X	-		
Area at Normal Water Elevation (Ac) <i>(Wet Ponds)</i>			-	-	N/A	
Area at Design High Water Elevation (Ac)	?	0.264 AC	?	-		
Active Storage Available (Ac-Ft)*	0.830 ACFT	0.507 ACFT	-	X		
Lowest Elevation at Top of Embankment <i>(If Applicable)</i>	824.00	820.94	-	X		
Average Elevation at Top of Embankment <i>(If Applicable)</i>	824.00	824.00	X	-		
Maximum Bottom Elevation	819.10	818.98	X	-		
Average Pond Bottom Elevation	820.25	820.60	-	X		
Pond Bottom Area (Ac)	?	0.0007 AC	?	-		
Maximum Pond Depth	4.90	1.96	-	X		
Average Pond Depth	3.75	3.4	X	-		
Average Permanent Pool Depth <i>(Wet Ponds)</i>			-	-	N/A	

*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

Little League Fields – SWP23S005

Overview



Inlet ST021165 & Spillway ST021167



Little League Fields – SWP23S005

Storm Sewer Outlet ST021166



Little League Fields – SWP23S005

Repairs Needed (11/02/2022)

Both end sections of pond outlet pipe pushed off main storm sewer pipe.



ST021166



ST021165

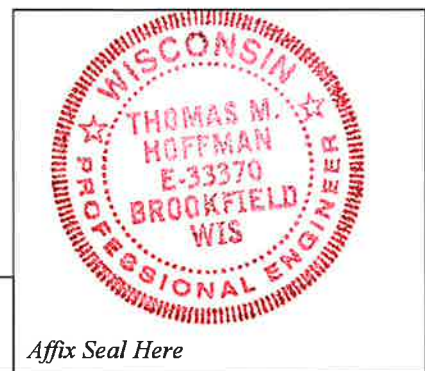


Remove brush dumped
in upper part of pond.

<i>Sketch Outlet</i>	<i>Place Photograph of Pond</i>
	<i>Place Photograph of Pond</i>

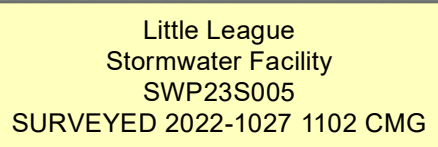
Inspection Firm:	VILLAGE OF MENOMONEE FALLS	Inspector Name:	CHRISTOPHER M GARIEPY
Phone Number:	262-532-4411	Inspection Date:	NOVEMBER 2, 2022
Address:	W156N8480 PILGRIM RD MENOMONEE FALLS, WI 53051		

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



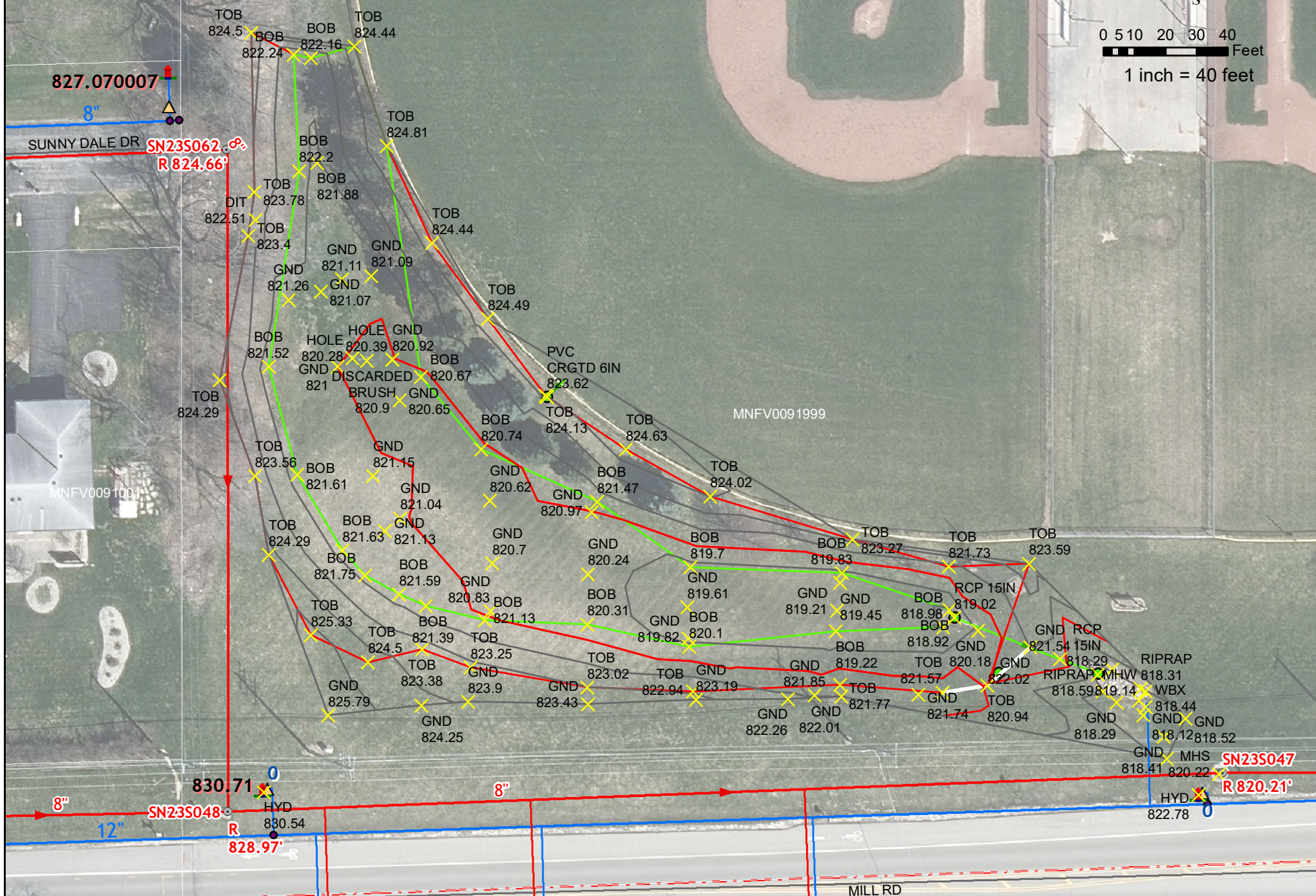
Date: <u>2/9/2023</u>	Signature: <u>[Handwritten Signature]</u>
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Affix Seal Here



0 5 10 20 30 40 Feet

1 inch = 40 feet



$$H = H_1 - H_2 \quad 80.94 - 818.98 = 1.96 \text{ ft}$$

2022

$$A_1 = 30.05 \text{ F} = 0.0007 \text{ AC}$$

SWP235005

$$A_2 = 11,500.75 \text{ F} = 0.264 \text{ AC}$$

SWP235005 Little League Fields

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

$$V = \left(\frac{1.96 \text{ ft}}{3} \right) (0.0007 \text{ AC} + 0.264 \text{ AC} + \sqrt{0.0007 \text{ AC} \times 0.264 \text{ AC}})$$

$$V = (0.65 \text{ ft}) (0.2647 \text{ AC} + \sqrt{0.2647 \text{ AC}})$$

$$V = (0.65 \text{ ft}) (0.2647 \text{ AC} + 0.515 \text{ AC})$$

$$V = (0.65 \text{ ft}) (0.7797 \text{ AC})$$

$$V = 0.507 \text{ AC ft} \quad \checkmark \text{ CNG}$$

11/21/22

