STORMWATER MANAGEMENT FACILITIES OPERATION AND INSPECTION REPORT

Quarter Section	SW¼ Sec9	Name of Business/Subdivision	Froedtert Menomonee Falls Hospital
Property Tax ID Number	0035995004	Address of Property	W180 N8085 Town Hall Road
Date ___10/6/2021___			Menomonee Falls, WI 53051

Dry Pond	
Wet Pond	x
Other	

Pond ID: **SWP09S002**

Location of Pond: NW corner of the Custer Ln and Town Hall Rd Intersection

Year Pond Constructed: 2016

Year of Last Certification: Unknown

Compliance Verification	Design	Actual	Compliant Yes	Compliant No	Comments (Condition of Structure)
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	Unknown	18" RCP			As-builts or previous inspection reports were not available for this site. All elevations are based on vertical datum NGVD83.
Upstream Invert	Unknown	892.47			
Downstream Invert	Unknown	887.21			
Length (feet)	Unknown	142'			
Slope (%)	Unknown	3.7%			
Secondary Outlet Pipe	(If Applicable)				Outlet Pipe Material
Opening Diameter (inches)					
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
Riser	(If Applicable)				Riser Material
Opening Diameter (inches)					
Elevation					
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	Unknown	898.00			
Length of spillway (feet)	Unknown	13'			Located on south side top of bank
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		West side of pond		
Outfall 2	21" RCP		North side of pond		
Outfall 3					

Storage Properties	Design	Actual	Compliant Yes No	Not Applicable	Equipment Used
Normal Water Elevation *(Wet Ponds)*	Unknown	892.47			GPS and Civil 3d
Design High Water Elevation	Unknown	898.91			-As-builts or previous inspection reports were not available for this site. All elevations are based on vertical datum NGVD83.
Area at Normal Water Elevation (Ac) (Wet Ponds)	Unknown	0.62			
Area at Design High Water Elevation (Ac)	Unknown	1.09			
Active Storage Available (Ac-Ft)*	Unknown	5.51			
Lowest Elevation at Top of Embankment (If Applicable)	Unknown	898.91			
Average Elevation at Top of Embankment (If Applicable)	Unknown	899.00			
Maximum Bottom Elevation	Unknown	884.74			
Average Pond Bottom Elevation	Unknown	884.97			
Pond Bottom Area (Ac)	Unknown	0.07			
Maximum Pond Depth	Unknown	14.17			
Average Pond Depth	Unknown	13.94			
Average Permanent Pool Depth *(Wet Ponds)*	Unknown	7.50			

*To Determine Active Storage $V=(H/3)(A1+A2+(\sqrt{(A1+A2)}))$

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*

EXISTING SURFACE
AVERAGE ELEVATION AT TOP
OF EMBANKMENT = 899.00

18" APRON ENDWALL
INV. 892.47

STORM SEWER MH
RIM. 892.15

CUSTER LANE

142 - 18" RCP @ 3.7%

18" RCP
INV. 887.21

AVERAGE POND BOTTOM
ELEVATION=884.67

NOT TO SCALE
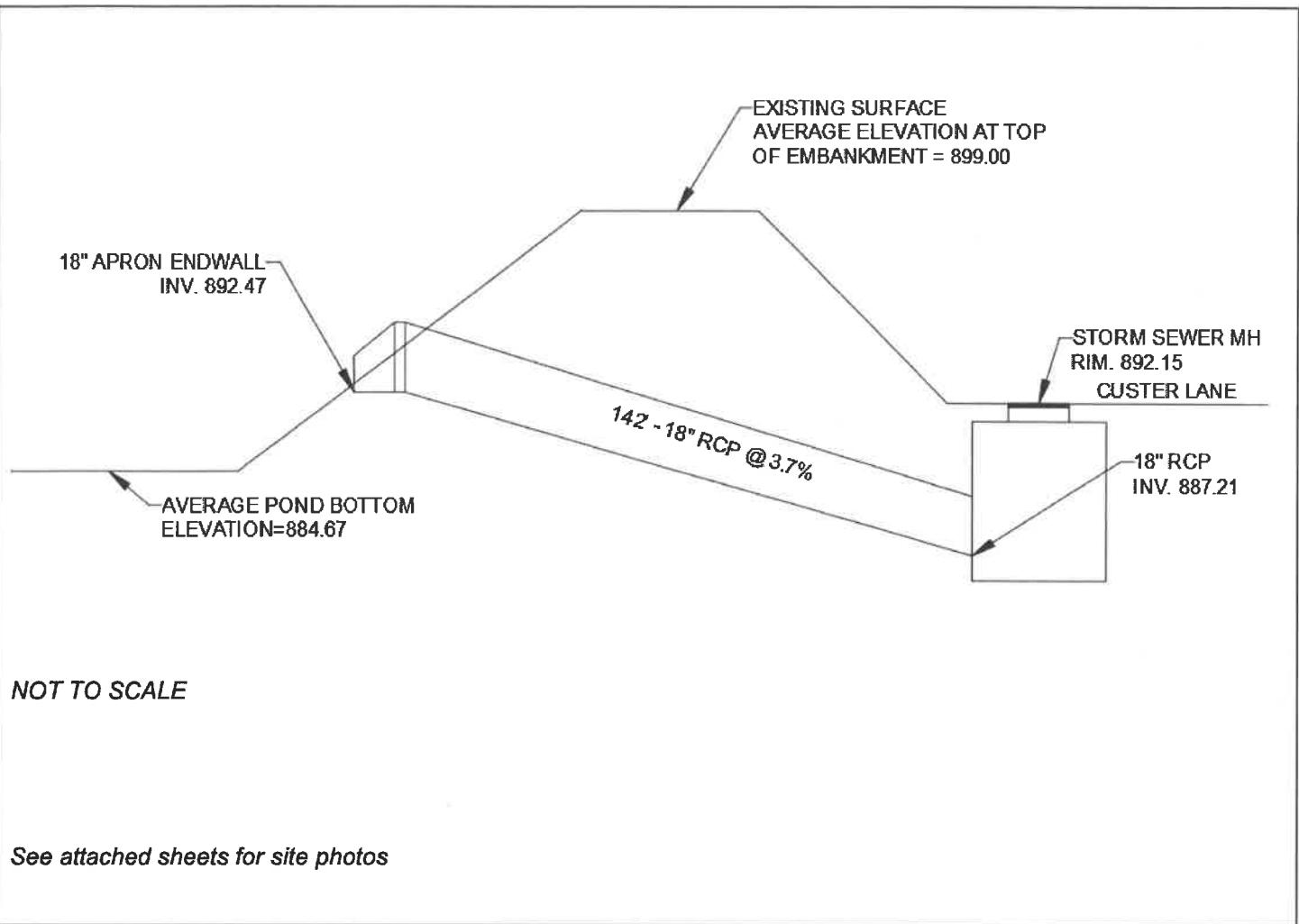
See attached sheets for site photos

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

Inspection Firm:	Ayres Associates	Inspector Name:	Austin Johrendt
Phone Number:	(262)-523-4488	Inspection Date:	10/06/2021
Address:	20975 Swenson Drive		
	Suite 200		
	Waukesha, WI 53186		

Certifying Professional
Name: _Austin Johrendt_
Phone Number: (262)-523-4488

Date:
11/1/2021

Signature:
austin Johrendt

Stormwater pond looking north

Stormwater pond looking west

Stormwater pond looking east
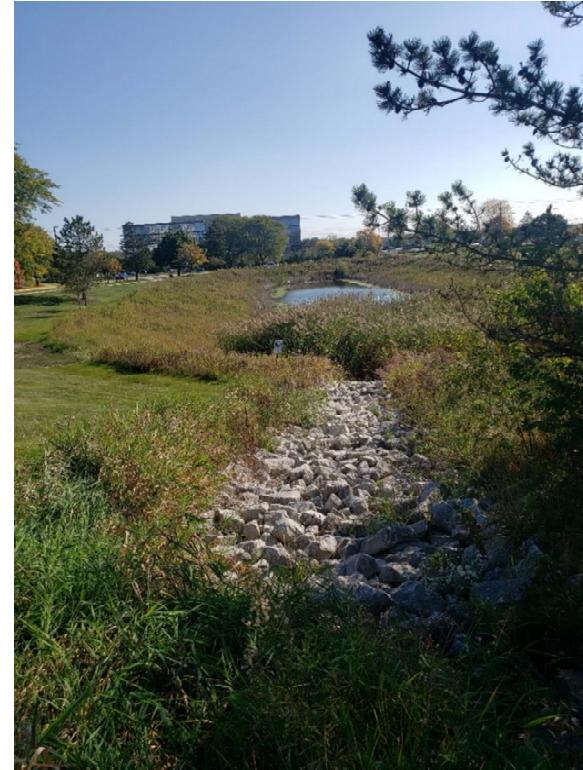
Riprap flume west of pond for storm sewer outlet pipe

Storm sewer outlet pipe
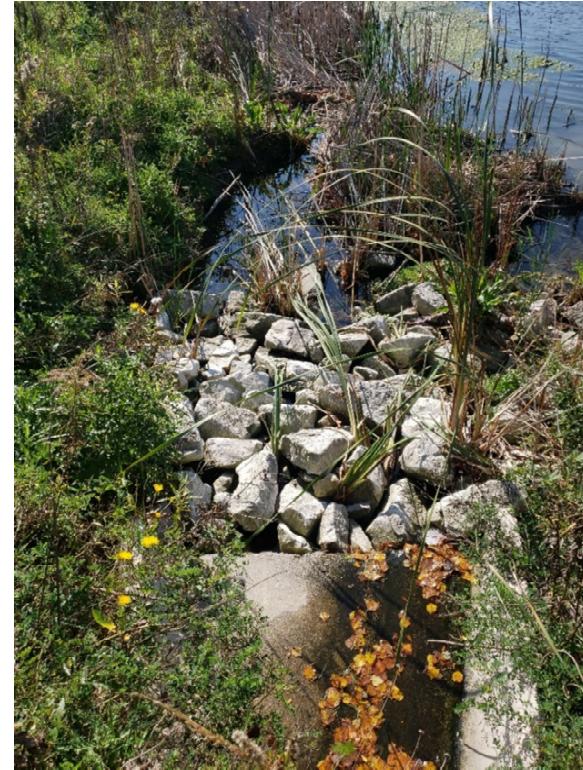
Primary pond outlet pipe