



Village of Menomonee Falls
W156 N8480 Pilgrim Road
Menomonee Falls, WI 53051-3140
Telephone: (262) 532-4200

STORMWATER MANAGEMENT FACILITIES OPERATION AND INSPECTION REPORT

Quarter Section	SE 16T8N	Name of Business/Subdivision	Edgewood Preserve
Property Tax ID Number	MNFV0064986	Address of Property	N72W17686 Good Hope Road
Date <u>10/18/2021</u>			Menomonee Falls, WI 53051

Dry Pond	
Wet Pond	X
Other	

Location of Pond Center East side of Subdivision

Pond ID: SWP16S003

Year Pond Constructed	<u>2020/2021</u>	Year of Last Certification	<u>NA</u>
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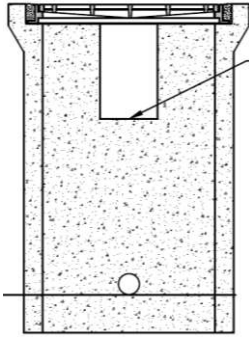
Compliance Verification	Design	Actual	Compliant Yes	No	Comments (Condition of Structure)
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	12	12	X		Reinforced Concrete
Upstream Invert	848.00	848.00	X		
Downstream Invert	847.90	847.91	X		
Length (feet)	33.4	33.4	X		
Slope (%)	0.3	0.3	X		
Secondary Outlet Pipe	(If Applicable)				Outlet Pipe Material
Opening Diameter (inches)	30"				
Upstream Invert	849.00	849.03	X		
Downstream Invert	849.00	849.01	X		
Length (feet)	22.3	22.3	X		
Slope (%)	0.0	0.1	X		
Riser	(If Applicable)				Riser Material
Opening Diameter (inches)	48	48	X		Reinforced Concrete
Elevation	850.50	850.27	X		
Upper Discharge Control	(If Applicable)				
Opening Diameter (inches)	NA				
Elevation					

Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	2	2	X		Cored into riser, partially covered with erosion control matting	
Elevation	848.00	848.00	X			
Other						
Opening Type and Size (inches)	NA					
Elevation						
Emergency Spillway						
Elevation	851.00	851.01	X			
Length of spillway (feet)	20.0	19.2	X			
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	12" FES		West side of Pond		Good condition	
Outfall 2	NA					
Outfall 3	NA					
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	848.00	848.00	X			Trimble Survey Grate RTK GNSS & Robotic Total Station
Design High Water Elevation	850.95	850.93	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.149	0.149	X			
Area at Design High Water Elevation (Ac)	0.310	0.309	X			
Active Storage Available (Ac-Ft)*	0.666	0.659	X			
Lowest Elevation at Top of Embankment (If Applicable)	852.00	851.83	X			
Average Elevation at Top of Embankment (If Applicable)	852.00	852.00	X			
Maximum Bottom Elevation	843.00	----				
Average Pond Bottom Elevation	843.00	----				
Pond Bottom Area (Ac)	0.0169	----				
Maximum Pond Depth	9	----				
Average Pond Depth	9	----				
Average Permanent Pool Depth (Wet Ponds)	5	----				

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

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



RISER PIPE SIDE VIEW

851.01
 851.00 SPILLWAY
 850.93
 850.95 HWL
 850.27
 850.50 48" RISER
 848.00
 848.00 2" ORFICE
 848.00
 848.00 12" OUTFALL
 847.91
 847.90 12" DISCHARGE
 849.03
 849.00 30" OUTFALL
 849.01
 849.00-30" DISCHARGE

 843.00 POND BOTTOM



Pond 2 facing S



Pond 2 Facing N



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

Inspection Firm: R.A. Smith, Inc.
 Phone Number: 262-781-1000
 Address: 221 S. 2nd Street
Milwaukee, WI 53204

Inspector Name : Colleen Thomas
 Inspection Date: 07/01/2021

Certifying Professional
 Name: Chris Hitch, PE
 Phone Number: 262-317-3267



Date: 10/18/2021

Signature: