



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 West side of Subdivision

Pond ID: SWP16S005

Year Pond Constructed 2020/2021 Year of Last Certification NA

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	855.00	854.97	X	
Downstream Invert	854.90	854.80	X	
Length (feet)	28.0	28.0	X	
Slope (%)	0.4	0.6	X	
Secondary Outlet Pipe	(If Applicable)			Outlet Pipe Material
Opening Diameter (inches)	NA			
Upstream Invert				
Downstream Invert				
Length (feet)				
Slope (%)				
Riser	(If Applicable)			Riser Material
Opening Diameter (inches)	36	36	X	Reinforced Concrete
Elevation	857.50	857.29	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	855.00	854.97	X			
Other						
Opening Type and Size (inches)	NA					
Elevation						
Emergency Spillway						
Elevation	857.75	857.72	X			
Length of spillway (feet)	20	17.2	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	24" FES		SE corner of Pond 4		Good condition	
Outfall 2	NA					
Outfall 3	NA					
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	855.00	854.97	X			Trimble Survey Grate RTK GNSS & Robotic Total Station
Design High Water Elevation	857.74	857.61	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.211	0.208	X			
Area at Design High Water Elevation (Ac)	0.395	0.385	X			
Active Storage Available (Ac-Ft)*	0.804	0.751	X			
Lowest Elevation at Top of Embankment (If Applicable)	859.00	858.88	X			
Average Elevation at Top of Embankment (If Applicable)	859.00	859.07	X			
Maximum Bottom Elevation	850.00	----				
Average Pond Bottom Elevation	850.00	----				
Pond Bottom Area (Ac)	0.006	----				
Maximum Pond Depth	9.0	----				
Average Pond Depth	9.0	----				
Average Permanent Pool Depth (Wet Ponds)	5.0	----				

*To Determine Active Storage $V=(H/3)(A1+A2+(\sqrt{A1A2}))$

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



~~857.72~~
~~857.75~~ SPILLWAY
~~857.61~~
~~851.74~~ HWL
~~857.29~~
~~857.50~~ 36" RISER
~~854.97~~
~~855.00~~ 2" ORFICE
~~854.97~~
~~855.00~~ 12" OUTFALL
~~847.80~~
~~854.90~~ 12" DISCHARGE
~~-----~~
~~850.00~~ POND BOTTOM



Pond 4 Facing N



Pond 4 Facing NW



12" DISCHARGE

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. 2 nd 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: