



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  
Property Tax ID Number  
Date 10/18/2021

SE 16T8N  
MNFV0064986

Name of  
Business/Subdivision  
Address of Property

Edgewood Preserve  
N72W17686 Good Hope Road  
Menomonee Falls, WI 53051

Dry Pond	
Wet Pond	X
Other	

Pond ID: SWP16S006

Location of  
Pond

West side of Subdivision

Year Pond  
Constructed

2020/2021

Year of Last  
Certification

NA

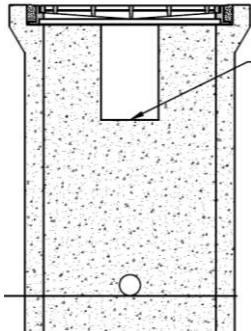
Compliance Verification	Design	Actual	Compliant Yes	No	Comments ( Condition of Structure)
<b>Primary Outlet Pipe</b>					Outlet Pipe Material
Opening Diameter (inches)	12	12	X		Reinforced Concrete
Upstream Invert	847.00	846.95	X		
Downstream Invert	846.80	846.79	X		
Length (feet)	33.7	33.7	X		
Slope (%)	0.4	0.5	X		
<b>Secondary Outlet Pipe</b>	(If Applicable)			Outlet Pipe Material	
Opening Diameter (inches)	NA				
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
<b>Riser</b>	(If Applicable)			Riser Material	
Opening Diameter (inches)	36	36	X		Reinforced Concrete
Elevation	850.00	849.85	X		
<b>Upper Discharge Control</b>	(If Applicable)				
Opening Diameter (inches)	NA				
Elevation					

Compliance Verification	Design	Actual	Compliant Yes No		Comments
<b>Lower Discharge Control</b>	(If Applicable)				
Opening Diameter (inches)	2	2	X		Cored into riser, partially covered with erosion control matting
Elevation	847.00	846.95	X		
<b>Other</b>					
Opening Type and Size (inches)	NA				
Elevation					
<b>Emergency Spillway</b>					
Elevation	850.25	850.52	X		850.47 at Dry detention spillway
Length of spillway (feet)	20.0	17.5	X		
<b>Embankment</b>	Present Yes no		Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation		X			
Animal burrows or slope erosion		X			
<b>Storm Sewer Outfalls</b>	Type & Size		Location		Comments
Outfall 1	18" FES		NE side of W. portion of pond		Good condition
Outfall 2	18" FES		NE side of E. portion of pond		Good condition
Outfall 3	(2) 12" FES		Equalizer pipe between each portion		
<b>Storage Properties</b>	Design	Actual	Compliant Yes No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	847.00	846.95	X		Trimble Survey Grate RTK GNSS & Robotic Total Station
Design High Water Elevation	850.10	849.99	X		
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.369	0.362	X		
Area at Design High Water Elevation (Ac)	1.439	1.350	X		
Active Storage Available (Ac-Ft)*	2.647	2.487	X		
Lowest Elevation at Top of Embankment (If Applicable)	852.00	851.56	X		
Average Elevation at Top of Embankment (If Applicable)	852.00	851.91	X		
Maximum Bottom Elevation	842.00	841.36	X		
Average Pond Bottom Elevation	842.00	841.73	X		
Pond Bottom Area (Ac)	0.078	0.072	X		
Maximum Pond Depth	10.0	10.64	X		
Average Pond Depth	10.0	10.27	X		
Average Permanent Pool Depth (Wet Ponds)	5.0	5.27	X		

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

Wet Ponds Use  $H = \text{Height of Section}$ ,  $A1 = \text{area at normal water elevation}$ ,  $A2 = \text{area at top section}$

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



RISER PIPE SIDE VIEW

850.52 (850.47)  
 850.25 SPILLWAY  
 849.99  
 850.10 HWL  
 849.85  
 850.00 36" RISER  
 846.95  
 847.00 2" ORFICE  
 846.95  
 847.00 12" OUTFALL  
 846.79  
 846.80 12" DISCHARGE  
 841.73  
 842.00 POND BOTTOM



Pond 5 East Portion Facing E



Pond 5 West Portion Facing W



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<sup>nd</sup> 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: 
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