



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	<u>SE 16T8N</u>	Name of Business/Subdivision	<u>Edgewood Preserve</u>
Property Tax ID Number	<u>MNFV0064986</u>	Address of Property	<u>N72W17686 Good Hope Road</u>
Date <u>11/3/2020</u>			<u>Menomonee Falls, WI 53051</u>

Dry Pond	
Wet Pond	X
Other	

Location of Pond
SW Corner of Subdivision

Pond ID: SWP 6

Year Pond Constructed 2020 Year of Last Certification NA

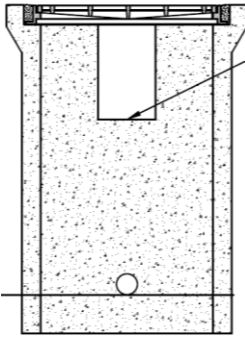
Compliance Verification	Design	Actual	Compliant Yes No		Comments (Condition of Structure)
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	15	15	X		Reinforced Concrete
Upstream Invert	851.50	851.58	X		
Downstream Invert	851.30	851.40	X		
Length (feet)	22.2	25.6	X		
Slope (%)	0.9	0.7	X		
Secondary Outlet Pipe	(If Applicable)				Outlet Pipe Material
Opening Diameter (inches)	NA				Reinforced Concrete
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
Riser	(If Applicable)				Riser Material
Opening Diameter (inches)	36	36	X		Reinforced Concrete
Elevation	853.20	853.15	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)	3	3	X			
Elevation	851.50	851.45	X			
Other (Notch in Riser)						
Opening Type and Size (inches)	12"	12"	X			
Elevation	852.20	852.15	X			
Emergency Spillway						
Elevation	853.50	853.56	X			
Length of spillway (feet)	20	18.6	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"		North side of Pond 6		Good condition	
Outfall 2	NA					
Outfall 3	NA					
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	851.50	851.45	X			Trimble Survey Grate RTK GNSS & Robotic Total Station
Design High Water Elevation	853.49	853.55	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.402	0.397	X			
Area at Design High Water Elevation (Ac)	0.509	0.537	X			
Active Storage Available (Ac-Ft)*	1.237	1.292	X			
Lowest Elevation at Top of Embankment (If Applicable)	854.50	854.42	X			
Average Elevation at Top of Embankment (If Applicable)	854.50	854.51	X			
Maximum Bottom Elevation	845.00	844.28	X			
Average Pond Bottom Elevation	845.00	844.48	X			
Pond Bottom Area (Ac)	0.182	0.176	X			
Maximum Pond Depth	9.5	10.23	X			
Average Pond Depth	9.5	10.03	X			
Average Permanent Pool Depth (Wet Ponds)	6.5	6.97	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

- 853.56
- 853.50 SPILLWAY
- 853.55
- 853.49 HWL
- 853.15
- 853.20 36" RISER
- 852.15
- 852.20 12" NOTCH
- 851.45
- 851.50 3" ORFICE
- 851.58
- 851.50 15" OUTFALL
- 851.40
- 851.30 15" DISCHARGE
- 844.48
- 845.00 POND BOTTOM



Pond 6 facing E



Pond 6 Facing S



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

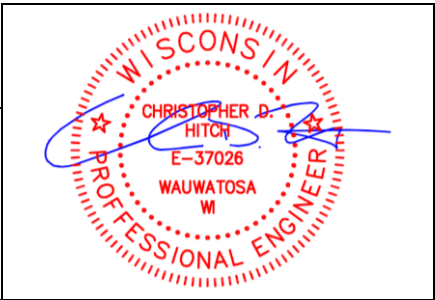
Inspector Name : Colleen Thomas
 Inspection Date: 11/3/2020

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



Date: 11/3/2020

Signature: 



10-3-2012