



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 _____ Address of Property N72W17686 Good Hope Road
Date 11/3/2020 Menomonee Falls, WI 53051

Dry Pond	
Wet Pond	X
Other	

Location of Pond SE Corner of Subdivision
Pond ID: SWP16S008

Year Pond Constructed 2020 Year of Last Certification NA

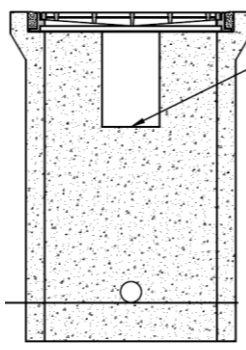
Compliance Verification	Design	Actual	Compliant Yes No	Comments (Condition of Structure)
Primary Outlet Pipe				Outlet Pipe Material
Opening Diameter (inches)	18	18	X	Reinforced Concrete
Upstream Invert	845.00	845.09	X	
Downstream Invert	844.90	844.99	X	
Length (feet)	35.0	38.0	X	
Slope (%)	0.3	0.3	X	
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	847.60	847.58	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		X			
Elevation	845.00	844.98	X			
Other (Equalizer Pipe)						
Opening Type and Size (inches)	12"	12"	X			
Elevation	845.00	845.05 845.01	X			
Emergency Spillway						
Elevation	849.00	849.07	X			
Length of spillway (feet)	20	21.1	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"		Outfall to West ditch		Good condition	
Outfall 2	12"		Outfall to East ditch		Good condition	
Outfall 3	NA					
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	845.00	844.98	X			Trimble Survey Grate RTK GNSS & Robotic Total Station
Design High Water Elevation	848.97	849.04	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.167	0.190	X			
Area at Design High Water Elevation (Ac)	0.584	0.704	X			
Active Storage Available (Ac-Ft)*	2.141	2.489	X			
Lowest Elevation at Top of Embankment (If Applicable)	850.00	849.87	X			
Average Elevation at Top of Embankment (If Applicable)	850.00	850.04	X			
Maximum Bottom Elevation	840.00	839.28	X			
Average Pond Bottom Elevation	840.00	839.68	X			
Pond Bottom Area (Ac)	0.014	0.014	X			
Maximum Pond Depth	10.00	10.76	X			
Average Pond Depth	10.00	10.36	X			
Average Permanent Pool Depth (Wet Ponds)	5.00	5.30	X			

*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

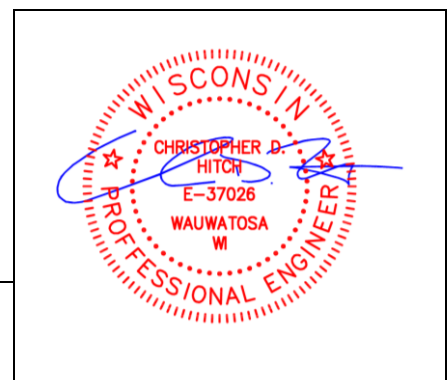
Dry Ponds Use H = Height of Section, $A1$ = pond bottom area, $A2$ =area at top section

 849.07 849.00 SPILLWAY 849.04 848.97 HWL 847.58 847.60 36" RISER 844.98 845.00 2" ORFICE 845.09 845.00 18" OUTFALL 844.99 844.90 18" DISCHARGE 844.48 840.00 POND BOTTOM <i>RISER PIPE SIDE VIEW</i>  2" ORFICE  36" RISER	 <i>West Pond 7 facing S</i>  <i>East Pond 7 facing SE</i>  12" EQUALIZER PIPE  18" DISCHARGE
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Attach As-built Survey to the Document for the first report submission

Inspection Firm:	<u>R.A. Smith, Inc.</u>	Inspector Name :	<u>Colleen Thomas</u>
Phone Number:	<u>262-781-1000</u>	Inspection Date:	<u>11/3/2020</u>
Address:	<u>221 S. 2nd Street</u>		
	<u>Milwaukee, WI 53204</u>		

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



Date: 11/27/2020

Signature: 