



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: SWP16S007

Year Pond Constructed 2020 Year of Last Certification NA

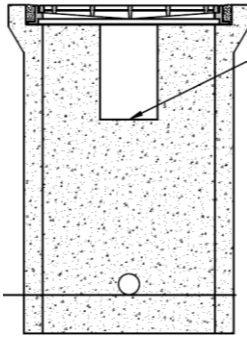
Compliance Verification	Design	Actual	Compliant Yes No	Comments (Condition of Structure)
Primary Outlet Pipe				Outlet Pipe Material
Opening Diameter (inches)	15	15	X	Reinforced Concrete
Upstream Invert	851.50	851.58	X	
Downstream Invert	851.30	851.40	X	
Length (feet)	22.2	25.6	X	
Slope (%)	0.9	0.7	X	
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 $V = (H/3)(A1 + A2 + (\sqrt{A1 \cdot A2}))$

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



RISE 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

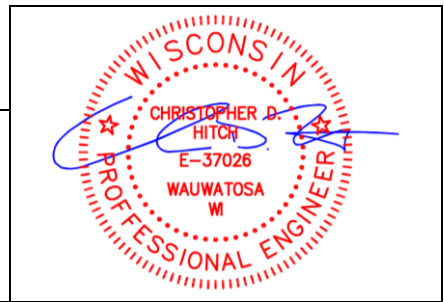
Inspector Name : Colleen Thomas
Inspection Date: 11/3/2020

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



Date: 11/3/2020

Signature: 



10-3-2012