



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 SW ¼ SEC 35 Name of Business/Subdivision BROOKDALE ESTATES
Property Tax ID Number _____ Address of Property _____
Date 1-25-2018 _____

Dry Pond	
Wet Pond	X
Other	

Pond ID: POND 1
SWP35S004

Location of Pond OUTLOT 2

Year Pond Constructed 2017 Year of Last Certification _____

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 pipe
Upstream Invert	774.50	774.35	X	Acceptable condition
Downstream Invert	774.30	773.94	X	
Length (feet)	50.0	51.0	X	
Slope (%)	0.40	0.80	X	
Secondary Outlet Pipe	(If Applicable)			Outlet Pipe Material
Opening Diameter (inches)	NA			NA
Upstream Invert	NA			
Downstream Invert	NA			
Length (feet)	NA			
Slope (%)	NA			
Riser	(If Applicable)			Riser Material
Opening Diameter (inches)	36	36	X	Precast concrete structure
Elevation	777.00	776.86	X	Acceptable condition
Upper Discharge Control	(If Applicable)			
Opening Diameter (inches)	NA	NA		
Elevation	NA	NA		

Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	1.75	1.75	X		Concrete orifice	
Elevation	774.50	774.35	X		Acceptable condition	
Other (Description)						
Opening Type and Size (inches)	NA	NA				
Elevation	NA	NA				
Emergency Spillway						
Elevation	779.60	779.57	X		Acceptable condition	
Length of spillway (feet)	25	25	X		Acceptable condition	
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" RCP FES		NW corner		Acceptable condition	
Outfall 2	24" RCP FES		W bank		Acceptable condition	
Outfall 3	21" RCP FES		SW corner		Acceptable condition	
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	774.50	774.35	X			Trimble Total Station & GPS
Design High Water Elevation	779.56	779.56	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.39	0.40	X			
Area at Design High Water Elevation (Ac)	0.67	0.66	X			
Active Storage Available (Ac-Ft)*	2.68	2.76	X			
Lowest Elevation at Top of Embankment (If Applicable)	780.30	780.27	X			
Average Elevation at Top of Embankment (If Applicable)	780.30	780.30	X			
Maximum Bottom Elevation	769.50	769.11	X			
Average Pond Bottom Elevation	769.50	769.14	X			
Pond Bottom Area (Ac)	0.16	0.16	X			
Maximum Pond Depth	10.8'	11.2'	X			
Average Pond Depth	10.8'	11.2'	X			
Average Permanent Pool Depth (Wet Ponds)	5.0'	5.2'	X			

*To Determine Active Storage $V = H/3(A1 + A2 + (A1 \times A2)^{1/2})$

Wet Ponds Use H = Height of Section, A1= area at normal water elevation, A2=area at top section

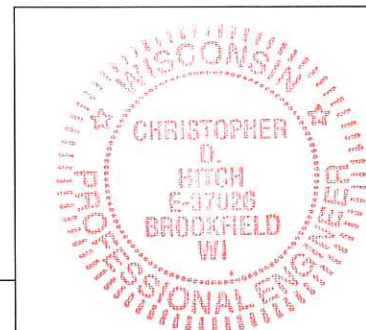
Dry Ponds Use H= Height of Section, A1= pond bottom area, A2=area at top section



Inspection Firm: TRIO ENGINEERING, LLC
Phone Number: 262-790-1480
Address: 12660 W. NORTH AVENUE
BROOKFIELD, WI 53005

Inspector Name : CHRISTOPHER HITCH
Inspection Date: 1-25-2018

Certifying Professional CHRISTOPHER HITCH
Name:
Phone Number: 262-790-1480



Date:
1-25-2018

Signature:

Affix Seal Here

10-3-2012