



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	

Location of Pond OUTLOT 2
 Pond ID: POND 4
SWP35S007

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)	36 (2)	36 (2)	X		Reinforced concrete pipe Acceptable condition
Upstream Invert	788.50	788.48	X		
Downstream Invert	788.35	778.37	X		
Length (feet)	30.0	24.0	X		
Slope (%)	0.40	0.46	X		
Secondary Outlet Pipe	(If Applicable)				Outlet Pipe Material
Opening Diameter (inches)	NA	NA			NA
Upstream Invert	NA	NA			
Downstream Invert	NA	NA			
Length (feet)	NA	NA			
Slope (%)	NA	NA			
Riser	(If Applicable)				Riser Material
Opening Diameter (inches)	NA	NA			NA
Elevation	NA	NA			
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)	NA	NA				
Elevation	NA	NA				
Other (Description)						
Opening Type and Size (inches)	NA	NA				
Elevation	NA	NA				
Emergency Spillway						
Elevation	781.70	781.63	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	15" RCP FES		NW corner		Acceptable condition	
Outfall 2	21" RCP FES		S corner		Acceptable condition	
Outfall 3						
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	778.50	778.48	X			Trimble Total Station & GPS
Design High Water Elevation	781.67	781.67	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.21	0.21	X			
Area at Design High Water Elevation (Ac)	0.36	0.36	X			
Active Storage Available (Ac-Ft)*	0.90	0.90	X			
Lowest Elevation at Top of Embankment (If Applicable)	782.40	782.34	X			
Average Elevation at Top of Embankment (If Applicable)	782.40	782.44	X			
Maximum Bottom Elevation	773.50	773.36	X			
Average Pond Bottom Elevation	773.50	773.43	X			
Pond Bottom Area (Ac)	0.05	0.05	X			
Maximum Pond Depth	8.9'	9.1'	X			
Average Pond Depth	8.9'	9.0'	X			
Average Permanent Pool Depth (Wet Ponds)	5.0'	5.1'	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: [Handwritten Signature]