



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 4

Pond ID: POND 3
SWP35S006

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)	19x30	19x30	X		Reinforced concrete pipe
Upstream Invert	783.70	783.58	X		Acceptable condition
Downstream Invert	783.50	783.41	X		
Length (feet)	36.0	31.2	X		
Slope (%)	0.55	0.54	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)	48	48	X		Precast concrete structure
Elevation	785.50	785.50	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	783.70	783.74	X	Acceptable condition	
Other (Description)					
Opening Type and Size (inches)	NA	NA			
Elevation	NA	NA			
Emergency Spillway					
Elevation	786.50	786.47	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	24" RCP FES		N corner	Acceptable condition	
Outfall 2					
Outfall 3					
Storage Properties	Design	Actual	Compliant Yes No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	783.70	783.74	X		Trimble Total Station & GPS
Design High Water Elevation	786.41	786.41	X		
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.26	0.26	X		
Area at Design High Water Elevation (Ac)	0.37	0.37	X		
Active Storage Available (Ac-Ft)*	0.85	0.84	X		
Lowest Elevation at Top of Embankment (If Applicable)	787.20	787.16	X		
Average Elevation at Top of Embankment (If Applicable)	787.20	787.25	X		
Maximum Bottom Elevation	778.70	778.24	X		
Average Pond Bottom Elevation	778.70	778.28	X		
Pond Bottom Area (Ac)	0.10	0.10	X		
Maximum Pond Depth	8.5'	9.0'	X		
Average Pond Depth	8.5'	9.0'	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

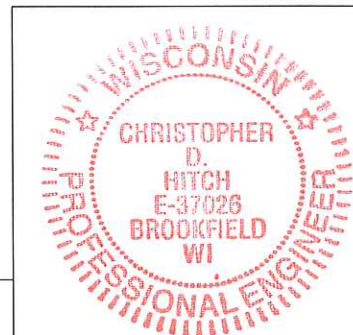
Dry Ponds Use H = Height of Section, $A1$ = pond bottom area, $A2$ = area at top section



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