



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 32 Name of Business/Subdivision TAMARIND – Phase 1
 Property Tax ID Number _____ Address of Property Lisbon Road & Tamarind Way
 Date 1-31-2018

Dry Pond	
Wet Pond	X
Other	

Location of Pond OUTLOT 1 & OUTLOT 4

Pond ID: POND 2

Year Pond Constructed 2017 Year of Last Certification _____

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe					
Opening Diameter (inches)	12	12	X		Outlet Pipe Material Reinforced concrete pipe
Upstream Invert	832.00	832.16	X		Acceptable condition
Downstream Invert	831.75	831.72	X		
Length (feet)	42.0	42.0	X		
Slope (%)	1.05	1.05	X		
Secondary Outlet Pipe (If Applicable)					
Opening Diameter (inches)	NA				Outlet Pipe Material NA
Upstream Invert	NA				
Downstream Invert	NA				
Length (feet)	NA				
Slope (%)	NA				
Riser (If Applicable)					
Opening Diameter (inches)	36	36	X		Riser Material Precast concrete structure
Elevation	834.50	834.72	X		Acceptable condition
Upper Discharge Control (If Applicable)					
Opening Diameter (inches)	NA	NA			
Elevation	NA	NA			

Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	2.0	2.0	X		Concrete orifice	
Elevation	832.00	832.12	X		Acceptable condition	
Other (Description)						
Opening Type and Size (inches)	NA	NA				
Elevation	NA	NA				
Emergency Spillway						
Elevation	834.90	--		X	Not constructed	
Length of spillway (feet)	50	--		X	Not constructed	
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	21" RCP FES		SE corner		Acceptable condition	
Outfall 2	12" RCP FES		N end		Acceptable condition	
Outfall 3						
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	832.00	832.16	X			Trimble Total Station & GPS
Design High Water Elevation	834.65	834.65	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.49	0.52	X			
Area at Design High Water Elevation (Ac)	0.85	0.87	X			
Active Storage Available (Ac-Ft)*	1.76	1.73	X			
Lowest Elevation at Top of Embankment (If Applicable)	835.90			X		
Average Elevation at Top of Embankment (If Applicable)	835.90			X		
Maximum Bottom Elevation	827.00	826.93	X			
Average Pond Bottom Elevation	827.00	827.02	X			
Pond Bottom Area (Ac)	0.21	0.21	X			
Maximum Pond Depth	8.9'	--		X		
Average Pond Depth	8.9'	--		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 : PETER ROTH
Inspection Date: 1-31-2018

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

Affix Seal Here

Date:
2-07-2018

Signature: