



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 NE SEC 4 Name of Business/Subdivision BANK MUTUAL
 Property Tax ID Number 0013-982 Address of Property W178 N9379 WAKE TOWER PL.
 Date 8-8-17 MENOMONEE FALLS, WI 53051

Dry Pond	X
Wet Pond	
Other	

Location of Pond NE SIDE OF LOT

Pond ID: SWP 04N005

Year Pond Constructed 2007 Year of Last Certification 2012

Compliance Verification	Design (1)	Actual (2)	Compliant (3)		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe			Outlet Pipe Material		
Opening Diameter (inches)	6"	6"			PVC PIPE ELEVATION DIFFERENCES MAY BE BECAUSE OF LOCATION OF POINT GRADE TAKEN OR BENCHMARK MOBILITY.
Upstream Invert	898.27	898.43			
Downstream Invert	897.80	897.79			
Length (feet)	28	28			
Slope (%)	1.68%	2.29%			
Secondary Outlet Pipe			Outlet Pipe Material		
(If Applicable)					
Opening Diameter (inches)	NA	NA			
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
Riser			Riser Material		
(If Applicable)					
Opening Diameter (inches)	18"	18"			CONCRETE RISER
Elevation	902.94	902.92			
Upper Discharge Control					
(If Applicable)					
Opening Diameter (inches)	3.5"	3.5"			(3) SEE PAGE 3
Elevation	900.49	900.43			

- (1) "DESIGN" DATA REFERS TO "ACTUAL" DATA AS PROVIDED BY THE VILLAGE IN THE 2012 INSPECTION REPORT BY OTHERS.
 (2) "ACTUAL" DATA REFERS TO FIELD SURVEY DATA OF 6-6-17.

Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	2.5x3	2.4				
Elevation	898.21	898.23				
Other (Description)						
Opening Type and Size (inches)						
Elevation						
Emergency Spillway						
Elevation	903.00	903.0				
Length of spillway (feet)	10	10				
Embankment	Present Yes no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	X		SEE RECOMMENDATIONS IN THE 6-26-17 REPORT.			
Animal burrows or slope erosion		X				
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1	18" CPP		SW SIDE OF POND			
Outfall 2						
Outfall 3						
Storage Properties	Design	Actual	Compliant		Not Applicable	Equipment Used
			Yes	No		
Normal Water Elevation (Wet Ponds)	NA	NA			DRY POND	(3) SEE NOTE ON PAGE 3.
Design High Water Elevation	902.79	902.79				
Area at Normal Water Elevation (Ac) (Wet Ponds)	NA	NA				
Area at Design High Water Elevation (Ac)	0.17	0.17				
Active Storage Available (Ac-Ft)*	0.43					
Lowest Elevation at Top of Embankment (If Applicable)	903.70					
Average Elevation at Top of Embankment (If Applicable)	903.80					
Maximum Bottom Elevation	898.27	898.43				
Average Pond Bottom Elevation	NA	NA				
Pond Bottom Area (Ac)	NA	NA				
Maximum Pond Depth	4.73	4.49				
Average Pond Depth	3.87					
Average Permanent Pool Depth (Wet Ponds)	NA	NA			DRY POND	

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

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

Sketch Outlet or Attach to Document

Place Photograph of Pond or Attach to Document

SEE REPORT DATED 6-26-2017

Place Photograph of Pond or Attach to Document

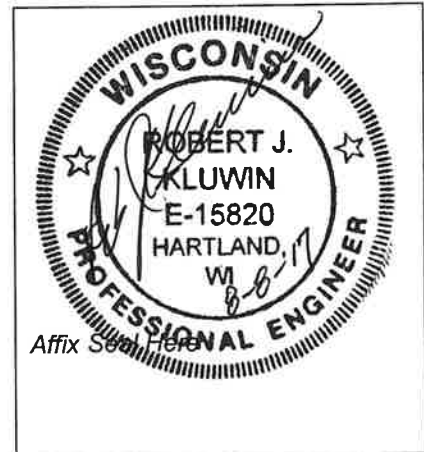
Attach As-built Survey to the Document for the first report submission

Inspection Firm: RAINTREE ENG. INC.
Phone Number: 262-369-5484
Address: 1019 WELLINGTON WAY
HARTLAND, WI 53029

Inspector Name: ROBERT J. KLUWIN
Inspection Date: 6-6-17

Certifying Professional Name: ROBERT J. KLUWIN, P.E.
Phone Number: 262-369-5484

(3) INSPECTION IS FOR A REPORT OF PRESENT CONDITIONS ONLY; AND DOES NOT INCLUDE ANY COMMENTS ON COMPLIANCE WITH THE ORIGINAL HYDRAULIC DESIGN.



(3)