



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 36-8-20 Name of Business/Subdivision Milcut
 Property Tax ID Number 0143999022 Address of Property N50 W13400 Overview Drive
 Date 10-11-18 Menomonee Falls, WI

Dry Pond	
Wet Pond	X
Other	

Location of Pond Northwest corner of property

Pond ID: Storm Water Pond
SWP36S001

Year Pond Constructed 2003 Year of Last Certification 2013

Compliance Verification	Design	Actual	Compliant Yes No		Comments (Condition of Structure)
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	12"	12"	X		HDPE
Upstream Invert	751.60	751.69	X		
Downstream Invert	751.50	751.39	X		
Length (feet)	28'	32'	X		
Slope (%)	0.36%	0.94%	X		
Secondary Outlet Pipe	(If Applicable)				
Opening Diameter (inches)	NA				
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
Riser	(If Applicable)				
Opening Diameter (inches)	24"	21"	X		PVC
Elevation	755.85	755.04		X	
Upper Discharge Control	(If Applicable)				
Opening Diameter (inches)	NA				
Elevation					

Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	3"	5"		X		
Elevation	751.90	752.03	X			
Other (Description)						
Opening Type and Size (inches)	NA					
Elevation						
Emergency Spillway						
Elevation	756.0	755.6	X			
Length of spillway (feet)	18'	18'	X			
Embankment	Present Yes no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	X		Tree growing near the outlet structure. Does not appear to affect function of basin but should be removed. Recommend removal during winter conditions.			
Animal burrows or slope erosion		X				
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1	12" HDPE		North side of Pond		Erosion at the sewer outlet into the pond. Rip-rap should be replaced.	
Outfall 2						
Storage Properties	Design	Actual	Compliant		Not Applicable	Equipment Used
			Yes	No		
Normal Water Elevation (Wet Ponds)	751.90	752.03	X			Total Station
Design High Water Elevation	755.94	755.28	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.071	0.077	X			
Area at Design High Water Elevation (Ac)	0.180	0.189	X			
Active Storage Available (Ac-Ft)*	0.506	0.431	X			
Lowest Elevation at Top of Embankment	757.0	756.8	X			
Average Elevation at Top of Embankment	757.0	757.0	X			
Maximum Bottom Elevation	747.5	747.8	X			
Average Pond Bottom Elevation	748.0	748.0	X			
Pond Bottom Area (Ac)	0.004	0.006	X			
Maximum Pond Depth	8.5'	8.3'	X			
Average Pond Depth	8.5'	8.3'	X			
Average Permanent Pool Depth (Wet Ponds)	4.4'	4.2'	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

Sketch Outlet or Attach to Document



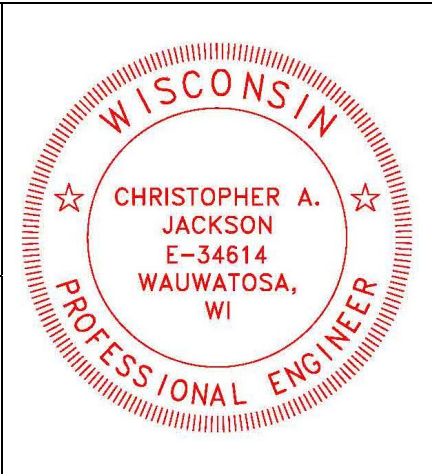
SEE ATTACHED



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

Inspection Firm: CJ Engineering LLC Inspector Name : Christopher Jackson
 Phone Number: 414-443-1312 Inspection Date: 08-07-2018
 Address: 9205 W. Center St. Ste. 214
 Milwaukee, WI 53222

Certifying Professional Christopher Jackson
 Name:
 Phone Number: 414-443-1312



Date:
 10-11-2018

Signature:
