



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
Property Tax ID Number
Date 10-11-18

36-8-20
0143999022

Name of Business/Subdivision
Address of Property

Milcut
N50 W13400 Overview Drive
Menomonee Falls, WI

Dry Pond		Location of Pond	Northwest corner of property
Wet Pond	X		
Other		Pond ID: <u>Storm Water Pond</u> <u>SWP36S001</u>	

Year Pond Constructed
2003

Year of Last Certification
2013

Compliance Verification	Design	Actual	Compliant Yes No	Comments (Condition of Structure)
Primary Outlet Pipe				
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			Outlet Pipe Material
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 Yes No		Comments	
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 Yes	No	Not Applicable	Equipment Used
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 $V=H/3(A1+A2+(A1xA2)1/2)$

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

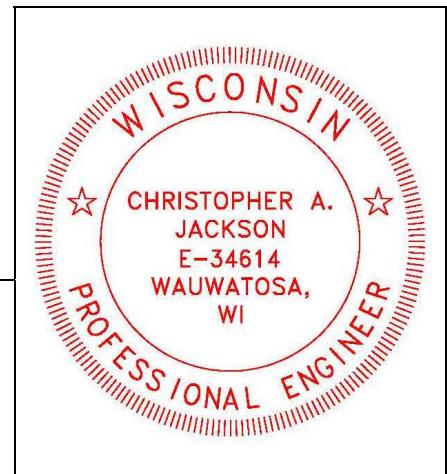
Inspection Firm: CJ Engineering LLC
Phone Number: 414-443-1312
Address: 9205 W. Center St. Ste. 214
Milwaukee, WI 53222

Inspector Name : Christopher Jackson
Inspection Date: 08-07-2018

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

Date:
10-11-2018

Signature:



10-3-2012