



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 ¼ of Sec. 16	Name of Business/Subdivision	MCS – Wildwood Lake LLC
Property Tax ID Number	MNFV 0061999025	Address of Property	N77 W17700 Lake Park Drive
Date	08-09-2016		Menomonee Falls, WI 53051

Dry Pond	
Wet Pond	X
Other	

Location of Pond: Outlot 1 of CSM No. 10267
South side of elderly housing building

Pond ID: SWP 16 N 009

Year Pond Constructed: 2007 Year of Last Certification: 2011

Compliance Verification	Design	Actual	Compliant Yes No		Comments (Condition of Structure)
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	12	12	X		RCP (Concrete Pipe) – good condition
Upstream Invert	855.00	854.93	X		Good condition – chicken wire screen around upstream end should be periodically cleaned. Downstream end section is beginning to undermine; fill and repair under end section.
Downstream Invert	854.31	854.33	X		
Length (feet)	90.2	83.9	X		
Slope (%)	0.700%	0.715%	X		
Secondary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	(If Applicable)				N/A
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
Riser					Riser Material
Opening Diameter (inches)	(If Applicable)				N/A
Elevation					
Upper Discharge Control					
Opening Diameter (inches)	(If Applicable)				N/A
Elevation					

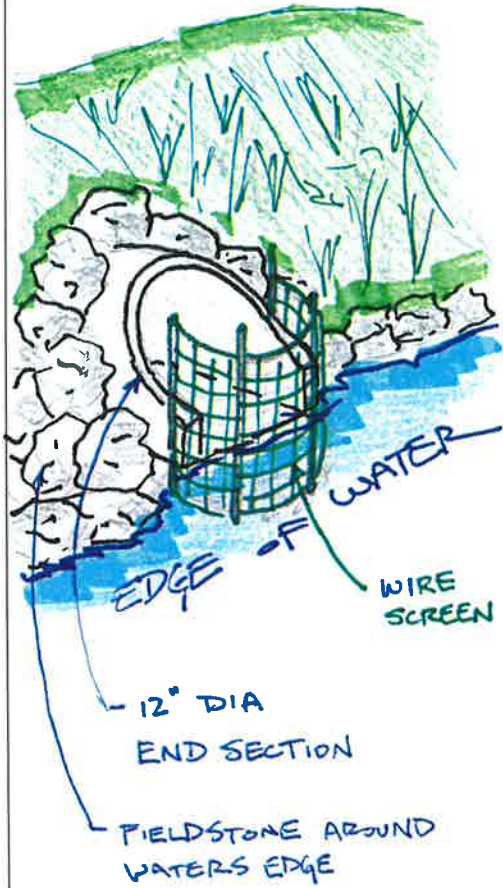
Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)					N/A	
Elevation						
Other (Description)						
Opening Type and Size (inches)						
Elevation						
Emergency Spillway						
Elevation	862.0	861.9	X		Spillway TRM observed and in good condition.	
Length of spillway (feet)	20	20	X		6' wide asphalt trail runs thru center of spillway – matches to TRM and is in good condition.	
Embankment	Present Yes no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	X		Remove woody vegetation near the waters edge, most prevalent at east end of pond. Fill small animal burrows – utilize wire mesh and soil/grout/etc. to discourage proliferation. Burrows are located near water: 1) directly in line with center of community room (north side); 2) 180' west of southeast corner (south side)			
Animal burrows or slope erosion	X					
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1	12" RCP		Northwest corner		Good condition	
Outfall 2	15" RCP		Southwest corner		Good condition	
Outfall 3	27" RCP		Northeast corner		Good condition	
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	855.0	854.85	X			GPS (Navcom)
Design High Water Elevation	859.59	859.59	X			GPS (Navcom)
Area at Normal Water Elevation (Ac) (Wet Ponds)	2.45	2.45	X			
Area at Design High Water Elevation (Ac)	3.31	3.31	X			
Active Storage Available (Ac-Ft)*	15.1	15.2	X			
Lowest Elevation at Top of Embankment (If Applicable)	866.25	866.13	X			GPS (Navcom)
Average Elevation at Top of Embankment (If Applicable)	866.25	866.15	X			GPS (Navcom)
Maximum Bottom Elevation	844	844.1	X			String line with weight – depth checks
Average Pond Bottom Elevation	844	844.7	X			String line with weight – depth checks
Pond Bottom Area (Ac)	1.2	1.25	X			
Maximum Pond Depth	11	10.75	X			
Average Pond Depth	11	10.15	X			
Average Permanent Pool Depth (Wet Ponds)	11	10.4	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



Looking East



Looking West

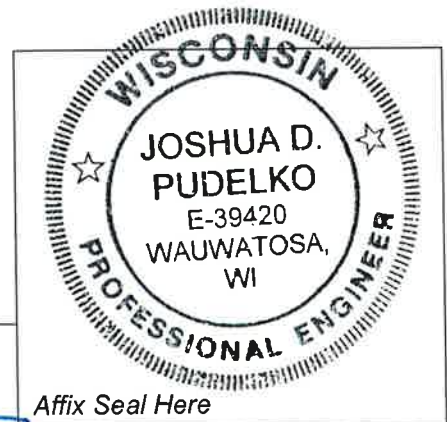


Attach As-built Survey to the Document for the first report submission

Inspection Firm: Trio Engineering, LLC
 Phone Number: 262-790-1480
 Address: 12660 W North Ave
Brookfield, WI 53005

Inspector Name : Joshua D. Pudelko, PE
 Inspection Date: 08/09/2016

Certifying Professional Joshua D. Pudelko, PE
 Name:
 Phone Number: 262-790-1480



Date: 8/9/16

Signature: [Handwritten Signature]

Affix Seal Here