



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 NW 1/4 of Section 26 Name of Business/Subdivision Bungalow of Menomonee Falls
Property Tax ID Number MNFV0102. 997.003 Address of Property Menomonee Falls Bungalow Pond
(North of Bobolink Ave. and east of Pilgrim Rd.)
Date 9-6-13

Dry Pond		Location of Pond	Pond is located north of condos
Wet Pond	X		within the Bungalows located Located on Bobolink Ave.
Other		Pond ID: <u>SWP26N006</u>	

Year Pond Constructed 2008 Year of Last Certification N/A

Compliance Verification	Design	Actual	Compliant Yes	Comments (Condition of Structure)
Primary Outlet Pipe				
Opening Diameter (inches)	12	12	x	Outlet Pipe Material
Upstream Invert	817.50	817.14	x	Outlet pipe material is reinforced concrete in good condition.
Downstream Invert	815.50	816.32	x	
Length (feet)	392	81	x	
Slope (%)	0.51%	1.01%	x	
Secondary Outlet Pipe	(If Applicable)			
Opening Diameter (inches)				Outlet Pipe Material
Upstream Invert				
Downstream Invert				
Length (feet)				
Slope (%)				
Riser	(If Applicable)			
Opening Diameter (inches)	36	36	x	Riser Material
Elevation	819.50	819.69	x	Concrete in good condition, pipes are clear of sediment
Upper Discharge Control	(If Applicable)			
Opening Diameter (inches)	3	None		Unsure if compliant, would need to model pond to determine hydraulics
Elevation	818.50	None		

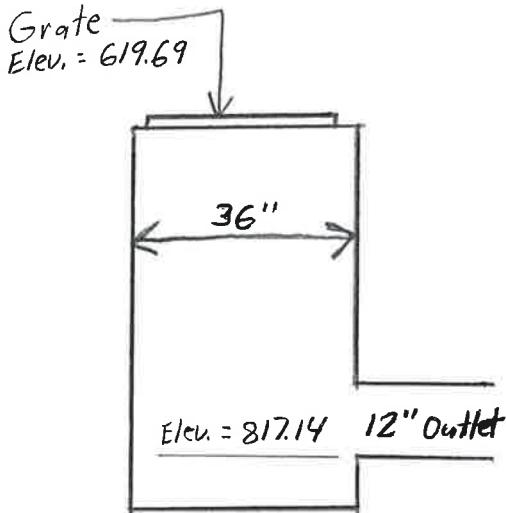
Compliance Verification	Design	Actual	Compliant Yes No	Comments	
Lower Discharge Control	(If Applicable)				
Opening Diameter (inches)	2	None			Unsure if compliant, would need to model pond to determine hydraulics
Elevation	817.50	None			
Other (Description)					
Opening Type and Size (inches)					
Elevation					
Emergency Spillway					
Elevation	820.00	820.00			
Length of spillway (feet)	8	8			
Embankment	Present Yes no		Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation		X	Embankment is in good condition with grass well established		
Animal burrows or slope erosion		X			
Storm Sewer Outfalls	Type & Size		Location		Comments
Outfall 1	12" HDPE		Southwest corner of pond		Good condition with rip rap
Outfall 2	15" HDPE		South and center of pond		Good condition with rip rap
Outfall 3	12" HDPE		Southeast corner of pond		Good condition with rip rap
Storage Properties	Design	Actual	Compliant Yes No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	817.50	815.27	X		Surveyor used GPS equipment to determine elevations and areas.
Design High Water Elevation	819.50	819.69	X		
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.16	0.057	X		
Area at Design High Water Elevation (Ac)	0.322	0.327	X		
Active Storage Available (Ac-Ft)*	0.34	0.58	X		
Lowest Elevation at Top of Embankment (If Applicable)	820.00	819.99	X		
Average Elevation at Top of Embankment (If Applicable)	822.00	821.48	X		
Maximum Bottom Elevation	812.50	812.60	X		
Average Pond Bottom Elevation	812.50	812.70	X		
Pond Bottom Area (Ac)	0.05	0.04	X		
Maximum Pond Depth	7.5	7.4	X		
Average Pond Depth	7.5	7.3	X		
Average Permanent Pool Depth (Wet Ponds)	5.0	4.8	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

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 ATTACHED

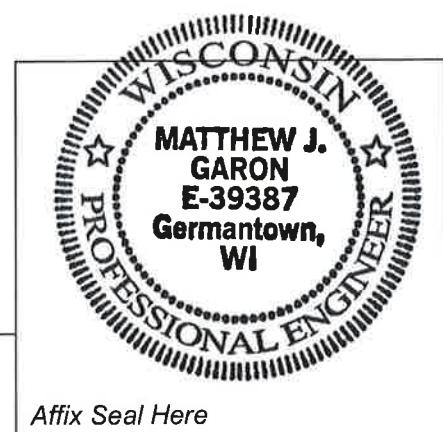
Place Photograph of Pond or Attach to Document

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

Inspection Firm: Crispell-Snyder, a GAI Company
Phone Number: 262-250-8000
Address: W175 N11081 Stonewood Dr.
Suite 103
Germantown, WI 53022

Inspector Name: Jason Grot
Inspection Date: 9-9-13

Certifying Professional
Name: Matthew Garon, P.E.
Phone Number: 262-250-8000



Date: 9-12-13 Signature: 

Affix Seal Here



