



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 9	Name of Business/Subdivision	
Property Tax ID Number	MNFV00342 74	Address of Property	Verona Subdivision
Date	5-16-13		Verona Subdivision South Pond (Intersection of Main Street and Lawrence Ave.)
Dry Pond		Location of Pond	Pond is located southwest of lots 6
Wet Pond	X		and 7 of the Verona Subdivision adjacent to Main Street (S.T.H. 74) and south of Lawrence Ave.
Other		Pond ID:	SWP09N002

Year Pond Constructed	2008	Year of Last Certification	N/A
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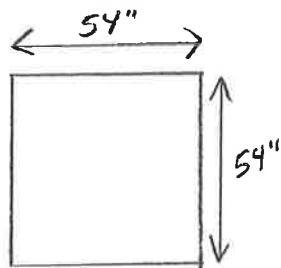
Compliance Verification	Design	Actual	Compliant Yes	No	Comments (Condition of Structure)
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	12	12	X		Outlet pipe material is reinforced concrete in good condition.
Upstream Invert	876.00	875.55	X		
Downstream Invert	874.84	874.84	X		
Length (feet)	37	37	X		
Slope (%)	3.13%	1.92%	X		
Secondary Outlet Pipe	(If Applicable)				Outlet Pipe Material
Opening Diameter (inches)					
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
Riser	(If Applicable)				Riser Material
Opening Diameter (inches)	54" square	54" square	X		Concrete in good condition Debris in box outlet structure (see attached picture)
Elevation	879.10	878.50	X		
Upper Discharge Control	(If Applicable)				
Opening Diameter (inches)	4	12			
Elevation	876.00	875.40			

Compliance Verification	Design	Actual	Compliant Yes No		Comments
Lower Discharge Control	(If Applicable)				
Opening Diameter (inches)					
Elevation					
Other (Description)					
Opening Type and Size (inches)					
Elevation					
Emergency Spillway					
Elevation	879.10	879.00	X		Rip rap within spillway
Length of spillway (feet)	12	12	X		
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					
Outfall 2					
Outfall 3					
Storage Properties	Design	Actual	Compliant Yes No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	876.00	875.40	X		Surveyor used GPS equipment to determine elevations and areas.
Design High Water Elevation	878.50	879.00	X		
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.072	0.068	X		
Area at Design High Water Elevation (Ac)	0.12	0.15	X		
Active Storage Available (Ac-Ft)*	0.164	0.27	X		
Lowest Elevation at Top of Embankment (If Applicable)	881.10	879.73	X		
Average Elevation at Top of Embankment (If Applicable)	881.10	880.00	X		
Maximum Bottom Elevation	871.00	871.50	X		
Average Pond Bottom Elevation	871.00	871.50	X		
Pond Bottom Area (Ac)	.001	0.001	X		
Maximum Pond Depth	8.1'	7.5'	X		
Average Pond Depth	8.1'	7.5'	X		
Average Permanent Pool Depth (Wet Ponds)	5.0'	3.9'	X		

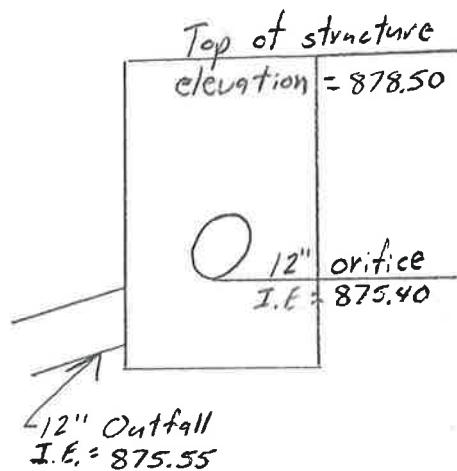
*To Determine Active Storage $V=H/3(A1+A2+(A1xA2)1/2)$

Wet Ponds Use H = Height of Section, $A1$ = area at normal water elevation, $A2$ = area at top section

Sketch Outlet or Attach to Document



Place Photograph of Pond or Attach to Document



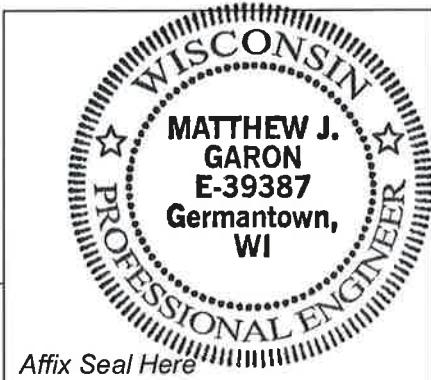
Place Photograph of Pond or Attach to Document

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

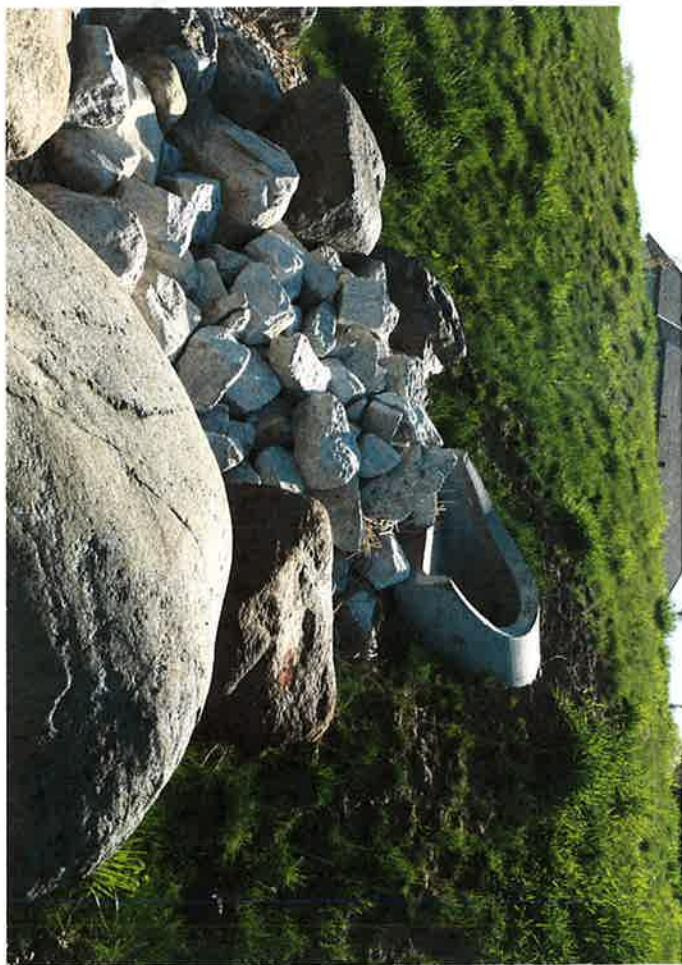
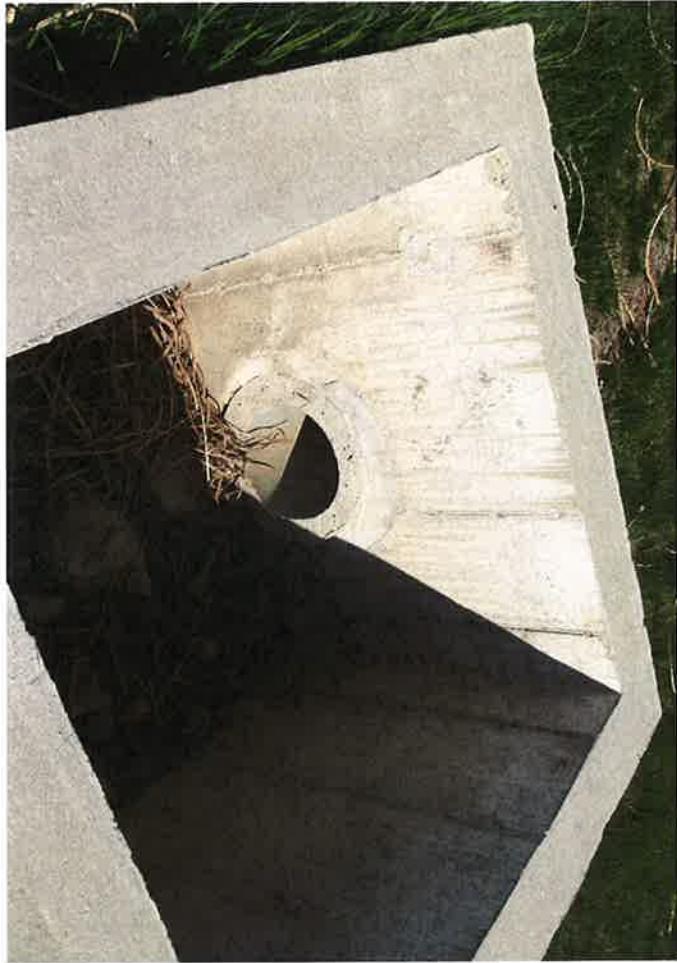
Inspector Name : Jason Grot
 Inspection Date: 5-16-13

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



Date: 5-16-13 Signature:

South Pond





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STORMWATER MANAGEMENT FACILITIES OPERATION AND INSPECTION REPORT

Quarter Section	NW 1/4 of Section 9	Name of Business/Subdivision	Verona Subdivision
Property Tax ID Number	MNFV00342 73	Address of Property	Verona Subdivision North Pond (Intersection of Main Street and Lawrence Ave.)
Date	5-16-13		
Dry Pond		Location of Pond	Pond is located north of lots 1 and
Wet Pond	X		2 of the Verona Subdivision adjacent to Main Street (S.T.H. 74) and north of Lawrence Ave.
Other		Pond ID:	SWP09N001

Year Pond Constructed	2008	Year of Last Certification	N/A
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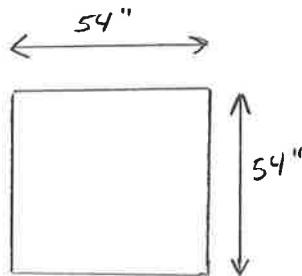
Compliance Verification	Design	Actual	Compliant Yes No	Comments (Condition of Structure)
Primary Outlet Pipe				Outlet Pipe Material
Opening Diameter (inches)	12	12	X	Outlet pipe material is reinforced concrete in good condition.
Upstream Invert	866.50	865.80	X	
Downstream Inver	865.67	865.67	X	Note: A 24" inlet pipe into the pond located at the southwest corner of the pond has sediment on the end wall as shown in the attached pictures.
Length (feet)	40	40	X	
Slope (%)	2.08%	0.33%	X	
Secondary Outlet Pipe	(If Applicable)			Outlet Pipe Material
Opening Diameter (inches)				
Upstream Invert				
Downstream Invert				
Length (feet)				
Slope (%)				
Riser	(If Applicable)			Riser Material
Opening Diameter (inches)	54" square	54" square		Concrete in good condition
Elevation	869.10	868.30		
Upper Discharge Control	(If Applicable)			
Opening Diameter (inches)	3	none		
Elevation	867.00	none		

Compliance Verification	Design	Actual	Compliant Yes No		Comments
Lower Discharge Control	(If Applicable)				
Opening Diameter (inches)	6	12			
Elevation	866.50	865.60			
Other (Description)					
Opening Type and Size (inches)					
Elevation					
Emergency Spillway					
Elevation	869.11	869.00	X		
Length of spillway (feet)	12	12	X		
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" RCP		Ditch between Main Street and pond		Good condition with rip rap
Outfall 2					
Outfall 3					
Storage Properties	Design	Actual	Compliant Yes	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	866.50	865.60	X		Surveyor used GPS equipment to determine elevations and areas.
Design High Water Elevation	869.11	869.00	X		
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.21	0.18	X		
Area at Design High Water Elevation (Ac)	0.29	0.29	X		
Active Storage Available (Ac-Ft)*	0.46	0.56	X		
Lowest Elevation at Top of Embankment (If Applicable)	871.1	869.5	X		
Average Elevation at Top of Embankment (If Applicable)	871.1	870.0	X		
Maximum Bottom Elevation	861.50	861.60	X		
Average Pond Bottom Elevation	861.50	861.80	X		
Pond Bottom Area (Ac)	0.082	0.08	X		
Maximum Pond Depth	7.61'	7.5'	X		
Average Pond Depth	7.61'	7.4'	X		
Average Permanent Pool Depth (Wet Ponds)	5.0'	4.0'	X		

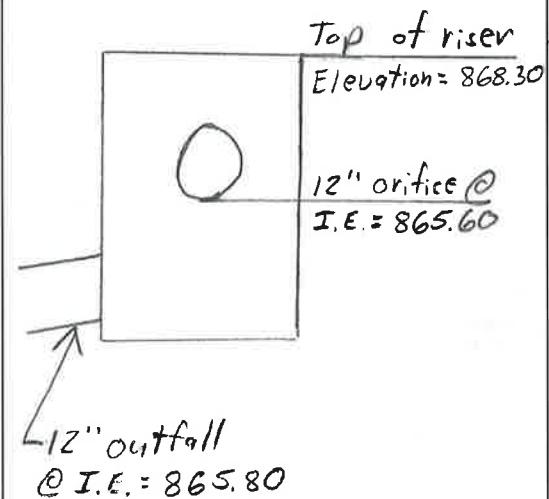
*To Determine Active Storage $V=H/3(A1+A2+(A1 \times A2)/2)$

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



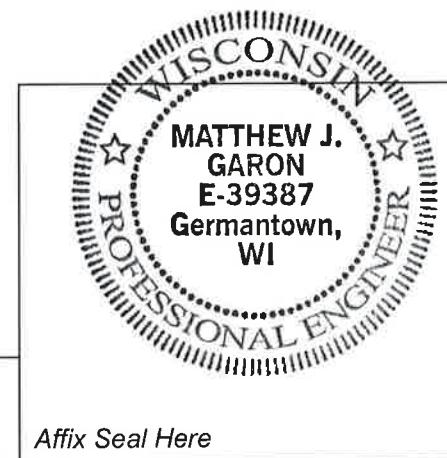
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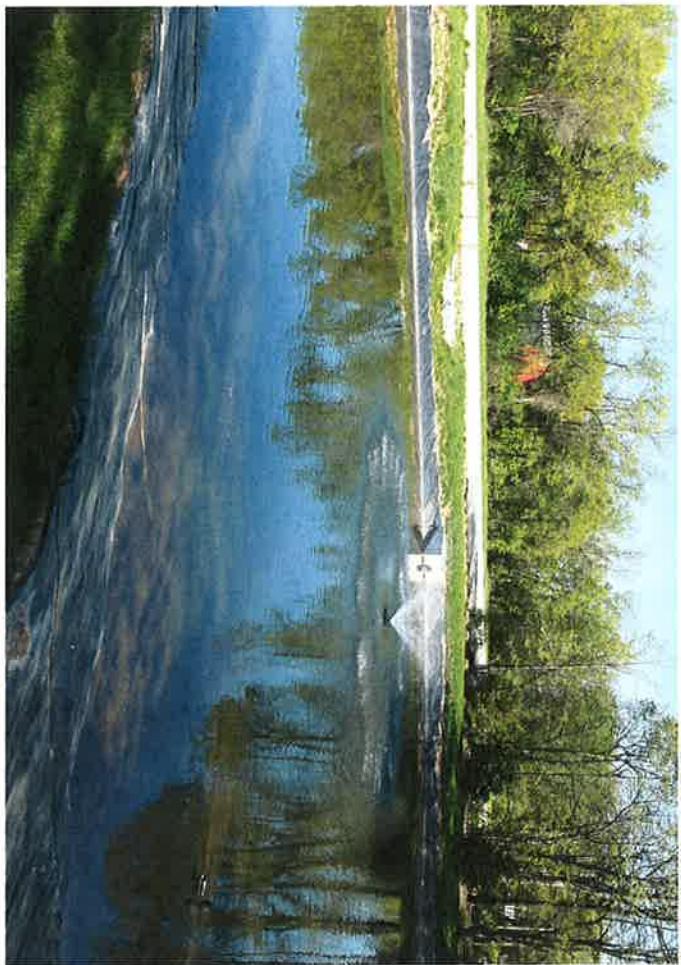
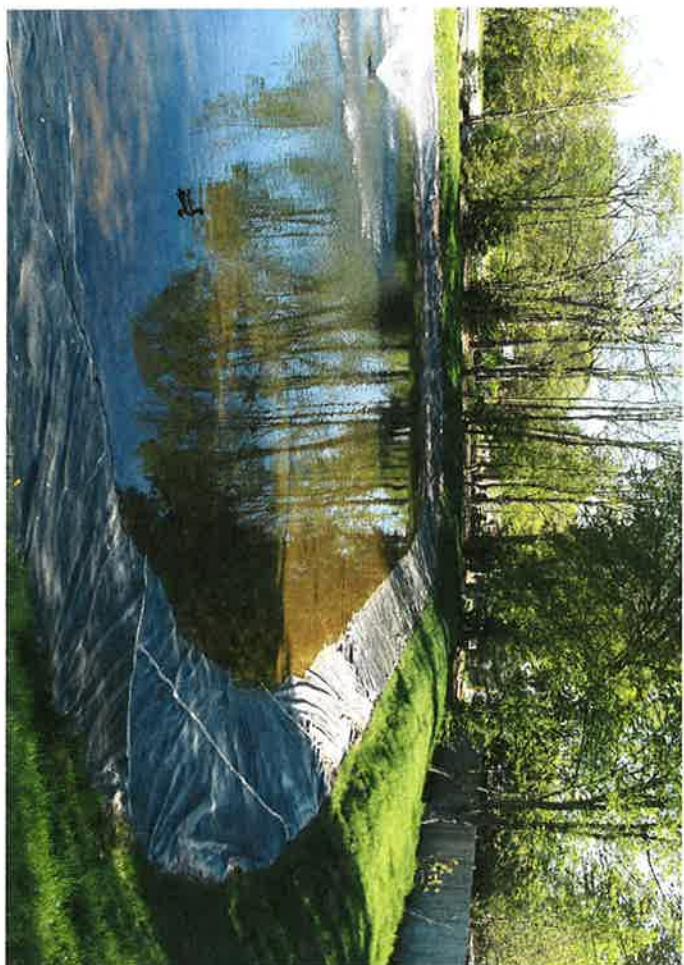
Inspector Name: Jason Grot
Inspection Date: 5-16-13

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

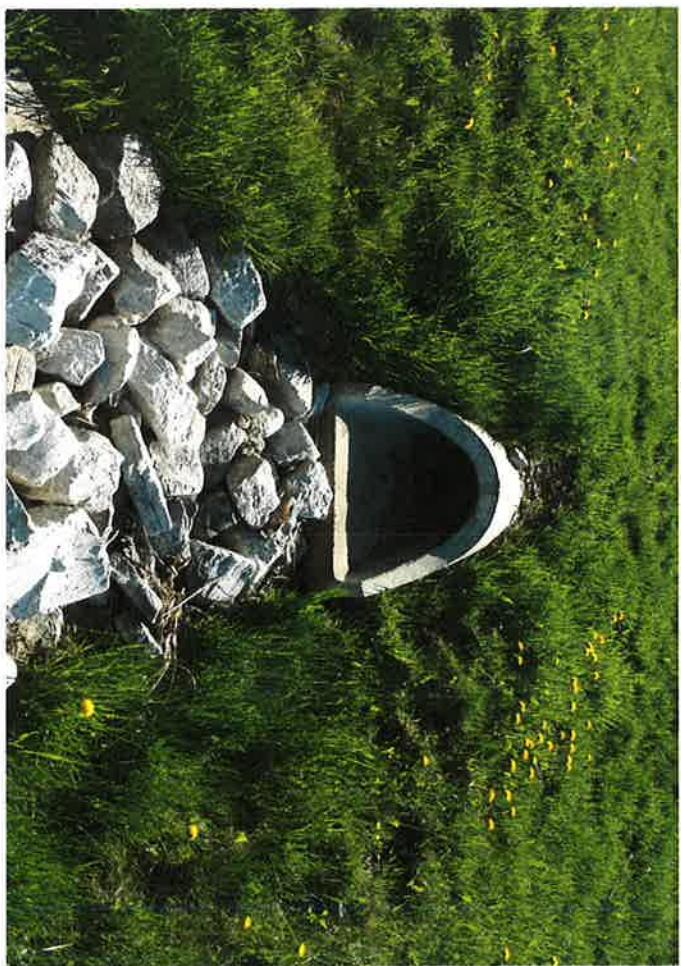


Date: 5-16-13
Signature: 

Affix Seal Here



North Pond





24" inlet pipe to North Pond



North Pond

