



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 _____ Name of Business/Subdivision Overlook Trail
 Property Tax ID Number _____ Address of Property Outlet 1
MNFV0058023

Dry Pond	<input checked="" type="checkbox"/>
Wet Pond	<input type="checkbox"/>
Other	<input type="checkbox"/>

Description: 15 No. 1 Location Of Pond Northeast corner of intersection of Trails End Ct. and Overlook Trail
P1 - Outlet 1

Year Pond Constructed 2004 Year of Last Certification _____

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe					
Opening Diameter	36"	36"	X		
Upstream Invert	842.5	842.53	X		
Downstream Invert	842.23	842.28	X		
Length	140'	142.25'	X		
Slope	0.197%	0.187%	X		
Secondary Outlet Pipe (If Applicable)					
Opening Diameter	NA				
Upstream Invert					
Downstream Invert					
Length					
Slope					
Riser (If Applicable)					
Opening Diameter	NA				
Elevation					
Upper Discharge Control (If Applicable)					
Opening Diameter	NA				
Elevation					

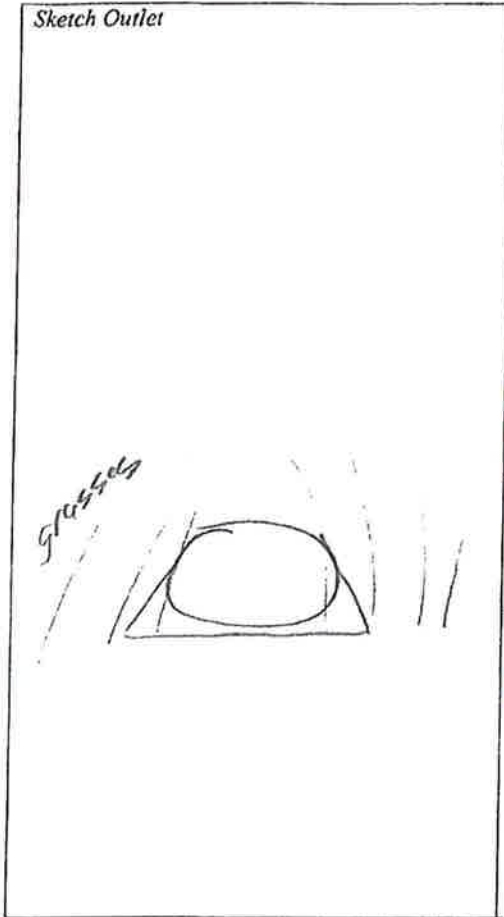
Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
Lower Discharge Control	(If Applicable)					
Opening Diameter						
Elevation						
Other (Description)						
Opening Type						
Elevation						
Emergency Spillway						
Elevation	845.7	845.7	X			
Length of spillway	20'	23'	X			
Embankment			Present Yes No			
Unauthorized plantings, trees, or woody vegetation			X		3 trees on east bank 4 trees on south bank	
Animal burrows or slope erosion				X		
Storage Properties	Design	Actual	Compliant		Points Surveyed	Equipment Used
Normal Water Elevation (Wet Ponds)	NA					Trimble R8 GPS
Design High Water Elevation	845.7					
Area at Normal Water Elevation (Ac) (Wet Ponds)	NA					
Area at Design High Water Elevation (Ac)	0.21					
Active Storage Available (Ac-Ft)*	0.24	0.24	X			
Lowest Elevation at Top of Embankment (If Applicable)	846.0	846.30	X		46	
Average Elevation at Top of Embankment (If Applicable)	846.5	846.51	X		46	
Maximum Bottom Elevation	843	843.79	X		24	
Average Pond Bottom Elevation	843	844.02	X		24	
Pond Bottom Area (Ac)	0.01	0.11	X		24	
Maximum Pond Depth						
Average Pond Depth						

*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

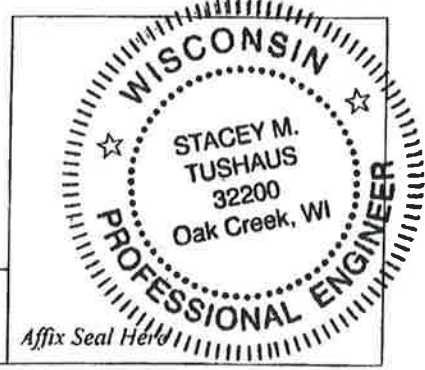
Dry Ponds Use $H =$ Height of Section, $A1 =$ pond bottom area, $A2 =$ area at top section

Sketch Outlet



Inspection Firm: Foth Inspector Name: Geoff Aghwornu
 Phone Number: (414) 336-7900 Inspection Date: 4/27/2010
 Address: Lincoln Center II
2514 102nd St, Suite 278
West Allis, WI 53227

Certifying Professional Name: Stacey Tushaus, P.E.
 Phone Number: (414) 336-7916



Date: 6/30/10 Signature: Stacey Tushaus



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MNFV0058023

Dry Pond	
Wet Pond	X
Other	

Description: P1 15N002 Location Of Pond East of Shady Ln. north side is at & extended Wildwood Dr.

Year Pond Constructed 2004 Year of Last Certification _____

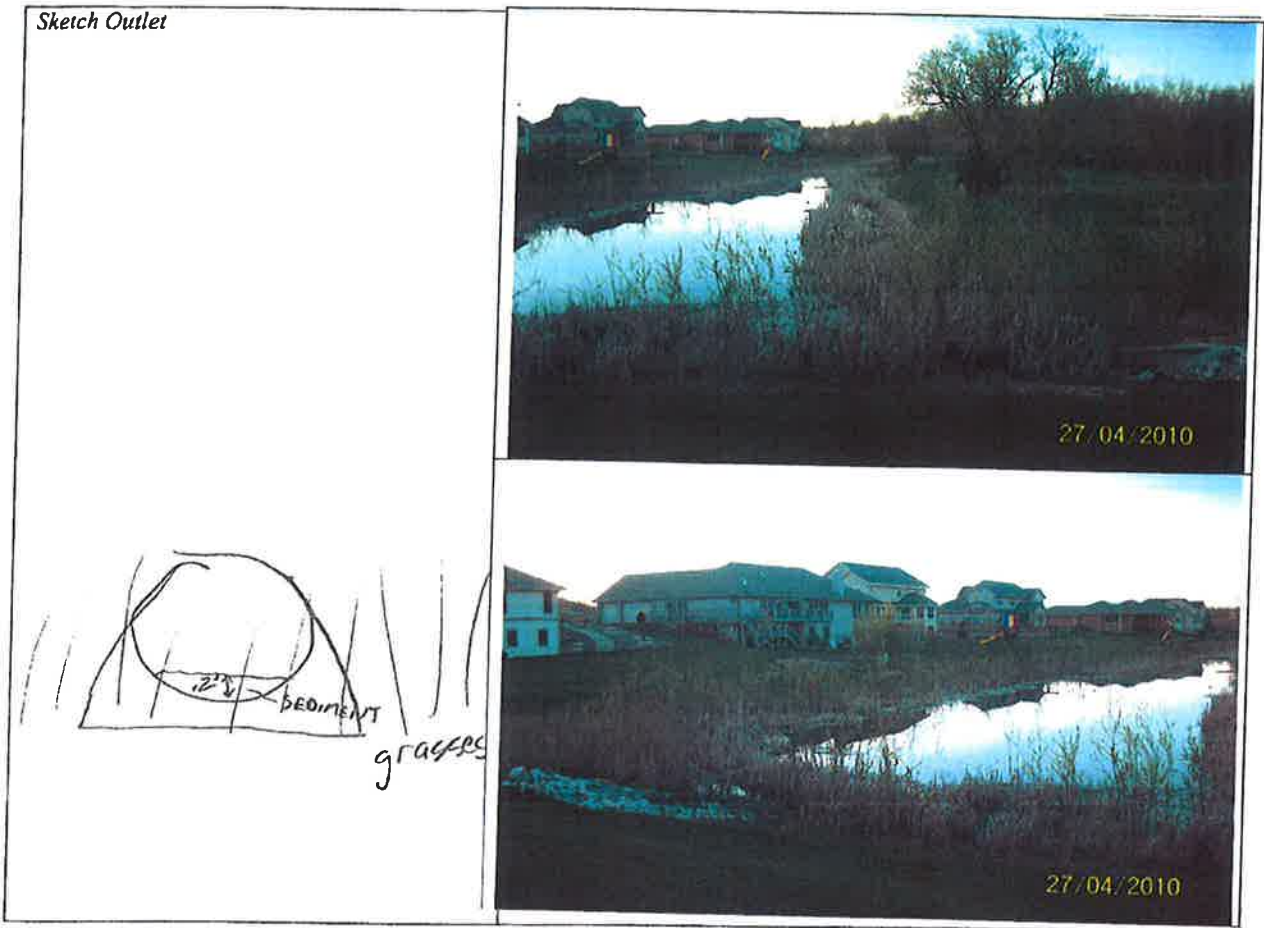
Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe					
Opening Diameter	12"	12"	X		
Upstream Invert	842.0	842.12		X	Full of reeds
Downstream Invert	841.84	842.04	X		
Length	35'	33.21'	X		
Slope	0.46%	0.24%	X		
Secondary Outlet Pipe (If Applicable)					
Opening Diameter	NA				
Upstream Invert					
Downstream Invert					
Length					
Slope					
Riser (If Applicable)					
Opening Diameter	NA				
Elevation					
Upper Discharge Control (If Applicable)					
Opening Diameter	NA				
Elevation					

Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
Lower Discharge Control	(If Applicable)					
Opening Diameter	NA					
Elevation						
Other (Description)						
Opening Type	NA					
Elevation						
Emergency Spillway						
Elevation	845.7	845.30	X			
Length of spillway	30'	30'	X			
Embankment			Present Yes No			
Unauthorized plantings, trees, or woody vegetation			X		Trees of east bank	
Animal burrows or slope erosion				X		
Storage Properties	Design	Actual	Compliant		Points Surveyed	Equipment Used
	Yes	No				
Normal Water Elevation (Wet Ponds)	842.0	842.77	X		9	Trimble R8 GPS
Design High Water Elevation	845.68					↓
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.57	0.64	X		9	
Area at Design High Water Elevation (Ac)	1.23					
Active Storage Available (Ac-Ft)*	3.23	2.67	X			
Lowest Elevation at Top of Embankment (If Applicable)	845.7	846.08	X		61	
Average Elevation at Top of Embankment (If Applicable)	846.7	846.48	X		61	
Maximum Bottom Elevation	836	836.54	X		48	
Average Pond Bottom Elevation	836	837.19	X		48	
Pond Bottom Area (Ac)	0.04	0.04	X		48	
Maximum Pond Depth	9.7'	6.23'	X		48	
Average Pond Depth	6.0'	5.58'	X		48	

*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



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Certifying Professional Name: Stacey Tushaus, P.E.
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Date: 6/30/10 Signature: [Handwritten Signature]



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Quarter Section _____ Name of Business/Subdivision Overlook Trail
 Property Tax ID Number _____ Address of Property Outlot 4
 MNFV0058046 _____

Dry Pond	
Wet Pond	X
Other	

Description: P2 15N003

Location Of Pond South end of Overlook Trail on east side

Year Pond Constructed 2004 Year of Last Certification _____

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe					
Opening Diameter	10"	10"	X		
Upstream Invert	842.00	842.94	X		culvert is under water
Downstream Invert	841.82	842.13		X	Full of reeds
Length	40.15'	42.99'	X		
Slope	0.45%	1.88%	X		
Secondary Outlet Pipe (If Applicable)					
Opening Diameter	NA				
Upstream Invert					
Downstream Invert					
Length					
Slope					
Riser (If Applicable)					
Opening Diameter	NA				
Elevation					
Upper Discharge Control (If Applicable)					
Opening Diameter	36"	36"	X		
Elevation	842.5	842.53	X		

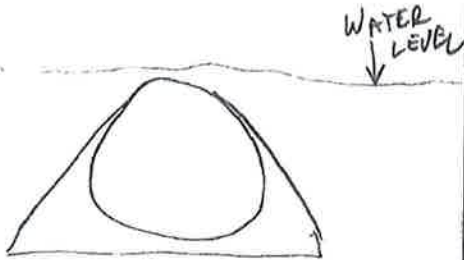
Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
Lower Discharge Control	(If Applicable)					
Opening Diameter	NA					
Elevation						
Other (Description)						
Opening Type	NA					
Elevation						
Emergency Spillway						
Elevation	848.48	848.32	X			
Length of spillway	30'	32'	X			
Embankment			Present			
			Yes	No		
Unauthorized plantings, trees, or woody vegetation			X		woody vegetation on west side & 1 small tree near outlet pipe	
Animal burrows or slope erosion				X		
Storage Properties	Design	Actual	Compliant		Points Surveyed	Equipment Used
			Yes	No		
Normal Water Elevation (Wet Ponds)	842.00	844.58	X		7	Trimble R8 GPS
Design High Water Elevation	848.48					
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.15	0.23	X		7	
Area at Design High Water Elevation (Ac)	0.38					
Active Storage Available (Ac-Ft)*	1.69	1.18	X			
Lowest Elevation at Top of Embankment (If Applicable)	848.48	848.76	X		38	
Average Elevation at Top of Embankment (If Applicable)	849.48	849.30	X		38	
Maximum Bottom Elevation	836	836.45	X		34	
Average Pond Bottom Elevation	836	837.22	X		34	
Pond Bottom Area (Ac)	0.01	0.01	X		34	
Maximum Pond Depth	12.48'	8.13'	X		34	
Average Pond Depth	6.0'	7.36'	X		34	↓

*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

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