



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 - ¼ SEC 15 Name of Business/Subdivision OVERLOOK TRAIL  
 Property Tax ID Number MNFV0058023 Address of Property \_\_\_\_\_  
 Date 7-18-14 \_\_\_\_\_

Dry Pond	X
Wet Pond	
Other	

Location of Pond NE OF INTERSECTION OF TRAILS  
 END CT. AND OVERLOOK TRAIL  
 Pond ID: SWP  
 15N001

Year Pond Constructed 2004 Year of Last Certification 2010

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
<b>Primary Outlet Pipe</b>					<b>Outlet Pipe Material</b>
Opening Diameter (inches)	36"	36"	X		
Upstream Invert	842.5	842.88	X		
Downstream Invert	842.23	842.58	X		
Length (feet)	140	140	X		
Slope (%)	0.19	0.21	X		
<b>Secondary Outlet Pipe</b>					
<i>(If Applicable)</i>					
Opening Diameter (inches)					
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
<b>Riser</b>					<b>Riser Material</b>
<i>(If Applicable)</i>					
Opening Diameter (inches)					
Elevation					
<b>Upper Discharge Control</b>					
<i>(If Applicable)</i>					
Opening Diameter (inches)					
Elevation					

Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
<b>Lower Discharge Control</b>	(If Applicable)					
Opening Diameter (inches)						
Elevation						
<b>Other (Description)</b>						
Opening Type and Size (inches)						
Elevation						
<b>Emergency Spillway</b>						
Elevation	845.7	846.3	X			
Length of spillway (feet)	20	24	X			
<b>Embankment</b>	Present Yes no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	X		PER CH 38-207(D)(2)M, "EMBANKMENTS (BERMS) SHALL BE KEPT CLEAR OF WOODY VEGETATION. ALSO, WOODY VEGETATION SHALL BE KEPT CLEAR FROM AREAS WITHIN 25' OF DISCHARGE STRUCTURES INCL. EMERGENCY OVERFLOW DEVICES & FROM AREAS INSIDE THE BASIN BELOW DESIGN HIGH WATER LEVEL."			
Animal burrows or slope erosion		X				
<b>Storm Sewer Outfalls</b>	Type & Size		Location		Comments	
Outfall 1	18" - CCP		WEST SIDE		INV ELEVATION = 844.79	
Outfall 2						
Outfall 3						
<b>Storage Properties</b>	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)					X	TRIMBLE R8 GPS IN FIELD. CALCULATIONS IN CADD.
Design High Water Elevation	845.7	845.7	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)					X	
Area at Design High Water Elevation (Ac)	0.21	0.21	X			
Active Storage Available (Ac-Ft)*	0.24	0.24	X			
Lowest Elevation at Top of Embankment (If Applicable)	846.0	845.67	X			
Average Elevation at Top of Embankment (If Applicable)	846.5	846.62	X			
Maximum Bottom Elevation	843	843.65	X			
Average Pond Bottom Elevation	843	843.87	X			
Pond Bottom Area (Ac)	0.01	0.01	X			
Maximum Pond Depth	2.7	2.05	X			
Average Pond Depth	2.7	1.83	X			
Average Permanent Pool Depth (Wet Ponds)					X.	

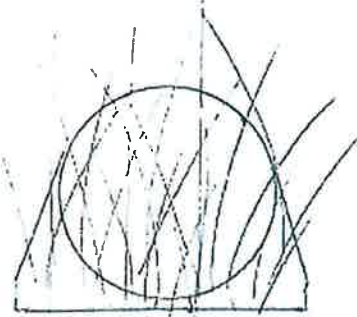
\*To Determine Active Storage  $V=H/3(A1+A2+(A1 \times A2)^{1/2})$

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

OUTLET AREA IS  
OVERGROWN



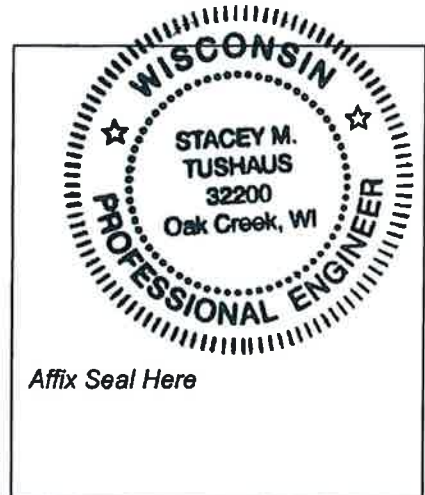
Attach As-built Survey to the Document for the first report submission

Inspection Firm: Foth Companies  
Phone Number: 414-336-7900  
Address: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Inspector Name : TRAVIS SEEHAWER  
Inspection Date: JULY 18 2014

Certifying Professional  
Name:  
Phone Number:

Stacey Tushaus, P.E.  
(414) 336-7916



8/11/14  
Date:

[Signature]  
Signature:



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 Property Tax ID Number MNFV0058023 Address of Property \_\_\_\_\_  
 Date 7-18-14 \_\_\_\_\_

Dry Pond	
Wet Pond	X
Other	

Location of Pond EAST OF SHADY LANE  
NORTH END OF POND IS AT  
WILDWOOD DR

Pond ID: SWP  
15N002

Year Pond Constructed 2004 Year of Last Certification 2010

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
<b>Primary Outlet Pipe</b>					<b>Outlet Pipe Material</b>
Opening Diameter (inches)	12"	12"	X		CCP UPSTREAM INVERT SHOULD BE CLEARED OF REEDS. CONTINUE TO MONITOR DOWNSTREAM INVERT AS IT HAS RISEN SINCE LAST INSPECTION, CAUSING FLATTER SLOPE
Upstream Invert	842.0	842.10		X	
Downstream Invert	841.84	842.05	X		
Length (feet)	35	35	X		
Slope (%)	0.46	0.14	X		
<b>Secondary Outlet Pipe</b> (If Applicable)					
Opening Diameter (inches)					
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
<b>Riser</b> (If Applicable)					
Opening Diameter (inches)					
Elevation					
<b>Upper Discharge Control</b> (If Applicable)					
Opening Diameter (inches)					
Elevation					

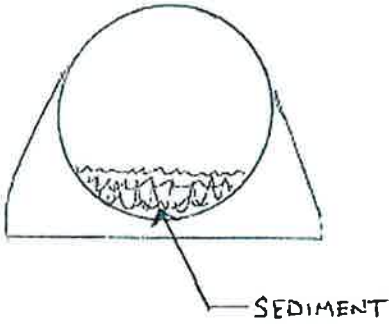
Compliance Verification	Design	Actual	Compliant Yes No		Comments	
<b>Lower Discharge Control</b>	(If Applicable)					
Opening Diameter (inches)						
Elevation						
<b>Other (Description)</b>						
Opening Type and Size (inches)						
Elevation						
<b>Emergency Spillway</b>						
Elevation	845.7	846.17	X			
Length of spillway (feet)	30	25	X			
<b>Embankment</b>	Present Yes no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	X		TREES ON EAST EMBANKMENT. PER CH 38-207(D)(2)M, "EMBANKMENTS (BERMS) SHALL BE KEPT CLEAR OF WOODY VEGETATION. ALSO, WOODY VEGETATION SHALL BE KEPT CLEAR FROM AREAS WITHIN 25' OF DISCHARGE STRUCTURES INCL. EMERGENCY OVERFLOW DEVICES & FROM AREAS INSIDE THE BASIN BELOW DESIGN HIGH WATER LEVEL."			
Animal burrows or slope erosion		X				
<b>Storm Sewer Outfalls</b>	Type & Size		Location		Comments	
Outfall 1	18" - CCP		SW CORNER			
Outfall 2	36" - CCP		SE CORNER			
Outfall 3	15" - CCP		NORTH END		SEDIMENT	
<b>Storage Properties</b>	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	842.0	841.59	X			TRIMBLE R8 GPS IN FIELD. CALCULATIONS IN CADD.
Design High Water Elevation	845.7	845.7	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.57	0.46	X			
Area at Design High Water Elevation (Ac)	1.23	1.17	X			
Active Storage Available (Ac-Ft)*	2.65	2.57	X			
Lowest Elevation at Top of Embankment (If Applicable)	845.7	845.65	X			
Average Elevation at Top of Embankment (If Applicable)	846.7	846.50	X			
Maximum Bottom Elevation	836	836.60	X			
Average Pond Bottom Elevation	836	836.83	X			
Pond Bottom Area (Ac)	0.04	0.04	X			
Maximum Pond Depth	6	4.99	X			
Average Pond Depth	6	4.76	X			
Average Permanent Pool Depth (Wet Ponds)	6	4.76	X			

\*To Determine Active Storage  $V=H/3(A1+A2+(A1 \times A2)^{1/2})$

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

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

Sketch Outlet or Attach to Document



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 Phone Number: 414-336-7900  
 Address: \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Inspector Name: TRAVIS SEEHAWER  
 Inspection Date: JULY 18 2014

Certifying Professional  
 Name:  
 Phone Number:

Stacey Tushaus, P.E.  
(414) 336-7916



Date: 8/11/14 Signature: [Handwritten Signature]



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Dry Pond	
Wet Pond	X
Other	

Location of Pond SE END OF OVERLOOK TRAIL

Pond ID: SWP  
15N003

Year Pond Constructed 2004 Year of Last Certification 2010

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
<b>Primary Outlet Pipe</b>					<b>Outlet Pipe Material</b>
Opening Diameter (inches)	10"	10"	X		OUTLET IS UNDERWATER. DOWNSTREAM INVERT IS OVERGROWN AND SHOULD BE CLEARED.
Upstream Invert	842.0	842.50	X		
Downstream Invert	841.82	842.00		X	
Length (feet)	40.15	43	X		
Slope (%)	0.45	1.16	X		
<b>Secondary Outlet Pipe</b>					
(If Applicable)					
Opening Diameter (inches)					
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
<b>Riser</b>					<b>Riser Material</b>
(If Applicable)					
Opening Diameter (inches)					
Elevation					
<b>Upper Discharge Control</b>					
(If Applicable)					
Opening Diameter (inches)					
Elevation					

Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
<b>Lower Discharge Control</b>	(If Applicable)					
Opening Diameter (inches)						
Elevation						
<b>Other (Description)</b>						
Opening Type and Size (inches)						
Elevation						
<b>Emergency Spillway</b>						
Elevation	848.48	848.25	X			
Length of spillway (feet)	30	25	X			
<b>Embankment</b>	Present Yes no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	X		TREES ON EMBANKMENT. PER CH 38-207(D)(2)M, "EMBANKMENTS (BERMS) SHALL BE KEPT CLEAR OF WOODY VEGETATION. ALSO, WOODY VEGETATION SHALL BE KEPT CLEAR FROM AREAS WITHIN 25' OF DISCHARGE STRUCTURES INCL. EMERGENCY OVERFLOW DEVICES & FROM AREAS INSIDE THE BASIN BELOW DESIGN HIGH WATER LEVEL."			
Animal burrows or slope erosion		X				
<b>Storm Sewer Outfalls</b>	Type & Size		Location		Comments	
Outfall 1	30" - CCP		NORTH CORNER			
Outfall 2	24" - CCP		NW SIDE			
Outfall 3	24" - CCP		WEST SIDE			
<b>Storage Properties</b>	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	842.0	842.76	X			TRIMBLE R8 GPS IN FIELD. CALCULATIONS IN CADD.
Design High Water Elevation	848.48	848.48	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.15	0.17	X			
Area at Design High Water Elevation (Ac)	0.38	0.38	X			
Active Storage Available (Ac-Ft)*	1.21	1.07	X			
Lowest Elevation at Top of Embankment (If Applicable)	848.48	848.27	X			
Average Elevation at Top of Embankment (If Applicable)	849.48	849.01	X			
Maximum Bottom Elevation	836	836.56	X			
Average Pond Bottom Elevation	836	836.89	X			
Pond Bottom Area (Ac)	0.01	0.01	X			
Maximum Pond Depth	6	6.2	X			
Average Pond Depth	6	5.87	X			
Average Permanent Pool Depth (Wet Ponds)	6	5.87	X			

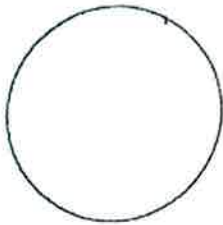
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Wet Ponds Use  $H = \text{Height of Section}$ ,  $A1 = \text{area at normal water elevation}$ ,  $A2 = \text{area at top section}$

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



Sketch Outlet or Attach to Document



OUTLET IS UNDER  
WATER LEVEL



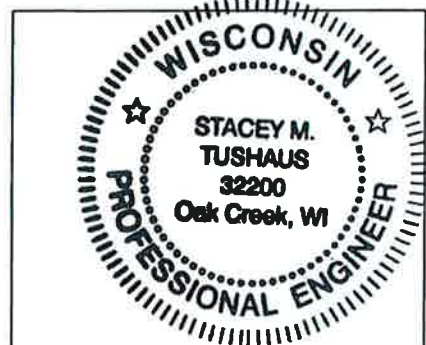
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Affix Seal Here

Date: 8/11/14

Signature: [Handwritten Signature]