



Village of Menomonee Falls  
 W156 N8480 Pilgrim Road  
 Menomonee Falls, WI 53051-3140  
 Telephone: (262) 532-4200

STORMWATER MANAGEMENT FACILITIES  
 OPERATION AND INSPECTION REPORT

EATON

Quarter Section SE 1/4 Sec 13 T8N R2E Name of Business/Subdivision Weas 100 Woodland Prime LLC  
 Property Tax ID Number 0052992004 Address of Property Flint Rd

Dry Pond	
Wet Pond	X
Other	

135025  
 Description: Constructed Commercial wet pond new construction

Location Of Pond Easterly line of parcel and abutting northerly line.

Year Pond Constructed 2012 Year of Last Certification N/A

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
<b>Primary Outlet Pipe</b>					
Opening Diameter	12"	12"	X		Please see attached modeling results.
Upstream Invert	791	791.06	X		
Downstream Invert	790.9	790.55	X		
Length	100	50	X		
Slope	0.1%	1.02%	X		
<b>Secondary Outlet Pipe</b> (If Applicable)					
Opening Diameter					
Upstream Invert					
Downstream Invert					
Length					
Slope					
<b>Riser</b> (If Applicable)					
Opening Diameter					
Elevation					
<b>Upper Discharge Control</b> (If Applicable)					
Opening Diameter	5"	5"	X		
Elevation	793	792.64	X		

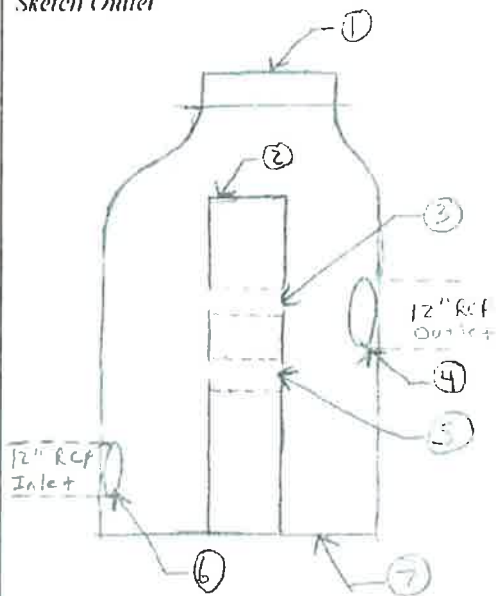
Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
<b>Lower Discharge Control</b>	(If Applicable)					
Opening Diameter	4"	4"	X			
Elevation	791	790.64	X			
<b>Other (Description)</b>						
Opening Type	796.5	796.4	X			
Elevation	10'	10'	X			
<b>Emergency Spillway</b>						
Elevation						
Length of spillway						
<b>Embankment</b>			Present			
			Yes	No		
Unauthorized plantings, trees, or woody vegetation				X		
Animal burrows or slope erosion				X		
<b>Storage Properties</b>	Design	Actual	Compliant		Points Surveyed	Equipment Used
			Yes	No		
Normal Water Elevation (Wet Ponds)	791	791.06	X			
Design High Water Elevation	796.49	796.38	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.194	0.194	X			
Area at Design High Water Elevation (Ac)	0.469	0.494	X			
Active Storage Available (Ac-Ft)*	1.297	1.305	X			
Lowest Elevation at Top of Embankment (If Applicable)	796.5	796.4	X			
Average Elevation at Top of Embankment (If Applicable)	798	797.4	X			
Maximum Bottom Elevation	786	785	X			
Average Pond Bottom Elevation	786	786	X			
Pond Bottom Area (Ac)	0.049	0.047	X			
Maximum Pond Depth	5	6.06	X			
Average Pond Depth	5	5.06	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



- ① Top of MH ELE = 797.76'
- ② Top of wall ELE = 796.11'
- ③ Offset Bottom ELE = 792.64'
- ④ 12" RCP Outlet Invert = 791.05'
- ⑤ Offset Bottom ELE = 790.64'
- ⑥ 12" RCP Inlet Invert = 787.66'
- ⑦ Bottom of Manhole = 787.46'



Inspection Firm: Stantec      Inspector Name: Joe Tew  
 Phone Number: 262-241-4466      Inspection Date: 6/19/2012  
 Address: 12075 Corporate Parkway  
           Suite 200  
           Mequon, WI 53092

Certifying Professional Name: Joellen Donovan  
 Phone Number: 262-643-9014



Date: 6/20/2012      Signature: Joellen Donovan

7-6-12

Eaton

**Transmittal**



**Stantec**

**Stantec Consulting Services Inc.**  
12075 Corporate Parkway Suite 200  
Mequon WI 53092  
Tel: (262) 241-4466  
Fax: (262) 241-4901

To:	Nancy Griefenhagen	From:	Rick Schmidt
Company:	Village of Menomonee Falls	<input type="checkbox"/>	For Your Information
Address:	W156 N8480 Pilgrim Road	<input checked="" type="checkbox"/>	For Your Approval
	Menomonee Falls, WI. 53051	<input type="checkbox"/>	For Your Review
Phone:	262-532-4200	<input type="checkbox"/>	As Requested
Date:	July 2, 2012		
File:	Eaton		
Delivery:	Regular Mail		

**Reference: 193802017**

**Attachment:**

Copies	Doc Date	Pages	Description
1	June 20, 2012	9	Eaton East Pond Certification

Attached is the Eaton East Pond Certification. Please review and if acceptable, approve our certification. Please call me with any questions.

**STANTEC CONSULTING SERVICES INC.**

Rick Schmidt  
Senior Associate  
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c. KBS Construction(w/ copies)

Kahler Slater Architects(w/ copies)

One Team. Infinite Solutions.