



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 36 Name of Business/Subdivision Kohl's  
Property Tax ID Number 0142-999-005 Address of Property W134 N5450 Campbell Drive  
Date 7-17-2014 Menomonee Falls, WI 53051

Dry Pond		Location of Pond  Pond ID: _____	North side of property
Wet Pond			_____
Other	Bioretention		_____

Year Pond Constructed 2009 Year of Last Certification N/A

Compliance Verification	Design	Actual	Compliant Yes	No	Comments (Condition of Structure)
<b>Primary Outlet Pipe</b>					
Opening Diameter (inches)	12	10	X		This pipe doesn't control the outflow.
Upstream Invert	746.0	746.1	X		
Downstream Invert	745.4	745.4	X		
Length (feet)	265'	265'	X		
Slope (%)	0.22%	0.26%	X		
<b>Secondary Outlet Pipe</b>	(If Applicable)			Outlet Pipe Material	
Opening Diameter (inches)	N/A				
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
<b>Riser</b>	(If Applicable)			Riser Material	
Opening Diameter (inches)	N/A				
Elevation					
<b>Upper Discharge Control</b>	(If Applicable)				
Opening Diameter (inches)	3.5"	3.5"	X		
Elevation	746.0	746.1	X		

Compliance Verification	Design	Actual	Compliant Yes No		Comments
<b>Lower Discharge Control</b>	(If Applicable)				
Opening Diameter (inches)	N/A				
Elevation					
<b>Other (Description)</b>					
Opening Type and Size (inches)	N/A				
Elevation					
<b>Emergency Spillway</b>					
Elevation	752.0	751.6	X		
Length of spillway (feet)	10'	10'	X		
<b>Embankment</b>	Present Yes no		Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation		X			
Animal burrows or slope erosion		X			
<b>Storm Sewer Outfalls</b>	Type & Size		Location		Comments
Outfall 1	12" Plastic		West Side		In good shape
Outfall 2	8" Plastic		South Side		In good shape
Outfall 3					
<b>Storage Properties</b>	Design	Actual	Compliant Yes No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)				X	
Design High Water Elevation	750.0	750.0	X		
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.28	0.32	X		
Area at Design High Water Elevation (Ac)	0.19	0.18	X		
Active Storage Available (Ac-Ft)*	0.50	0.48	X		
Lowest Elevation at Top of Embankment (If Applicable)	752.0	751.6	X		
Average Elevation at Top of Embankment (If Applicable)	752.0	751.6	X		
Maximum Bottom Elevation	745.5	745.3	X		
Average Pond Bottom Elevation	745.5	745.3	X		
Pond Bottom Area (Ac)	0.28	0.32	X		
Maximum Pond Depth	6.5'	6.3'	X		
Average Pond Depth	6.5'	6.3'	X		
Average Permanent Pool Depth (Wet Ponds)				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

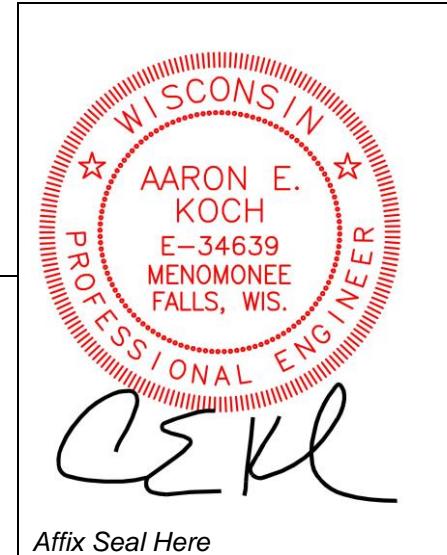
Inspection Firm: Pinnacle Engineering Group  
Phone Number: 262-754-8888  
Address: W15850 W Bluemound Road  
Suite 210  
Brookfield, WI 53051

Inspector Name : Aaron E. Koch, P.E.  
Inspection Date: 7-18-14

Certifying Professional Aaron E. Koch, P.E.  
Name: \_\_\_\_\_  
Phone Number: 262-754-8888

Date: 7-18-14

Signature:



Affix Seal Here

10-3-2012



View of pond looking east



Outlet Structure



Typical Inlet Pipe