



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 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	North side of property
Wet Pond			
Other	Bioretention		

Pond ID: _____

Year Pond Constructed 2009 Year of Last Certification N/A

Compliance Verification	Design	Actual	Compliant Yes No		Comments (Condition of Structure)
Primary Outlet Pipe					Outlet Pipe Material
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		
Secondary Outlet Pipe	(If Applicable)				Outlet Pipe Material
Opening Diameter (inches)	N/A				
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
Riser	(If Applicable)				Riser Material
Opening Diameter (inches)	N/A				
Elevation					
Upper Discharge Control	(If Applicable)				
Opening Diameter (inches)	3.5"	3.5"	X		
Elevation	746.0	746.1	X		

Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	N/A					
Elevation						
Other (Description)						
Opening Type and Size (inches)	N/A					
Elevation						
Emergency Spillway						
Elevation	752.0	751.6	X			
Length of spillway (feet)	10'	10'	X			
Embankment	Present Yes no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation		X				
Animal burrows or slope erosion		X				
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1	12" Plastic		West Side		In good shape	
Outfall 2	8" Plastic		South Side		In good shape	
Outfall 3						
Storage Properties	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	

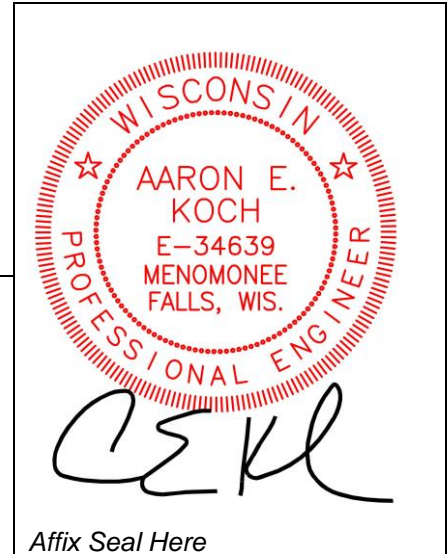
*To Determine Active Storage $V = H/3(A1 + A2 + (A1 \times A2)^{1/2})$

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

Inspection Firm: Pinnacle Engineering Group Inspector Name : Aaron E. Koch, P.E.
Phone Number: 262-754-8888 Inspection Date: 7-18-14
Address: W15850 W Bluemound Road
Suite 210
Brookfield, WI 53051

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



Date: 7-18-14

Signature:

10-3-2012





Outlet Structure



Typical Inlet Pipe