



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 T8N, R20E Name of Business/Subdivision HOME DEPOT USA
 Property Tax ID Number MNV0014971 Address of Property N94 W18375
THUNDER RIDGE DR.
MENOM. FALLS, WI 53051

Dry Pond	
Wet Pond	X
Other	

Description: POND A
SWP04N006

Location Of Pond SE CORNER OF PROPERTY.
WEST PART OF POND IS
ADJACENT TO EAST SIDE
OF HOME DEPOT.

Year Pond Constructed 2002 Year of Last Certification 4-3-2008

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe					
Opening Diameter	8"	8"	X		
Upstream Invert	885.0	885.05	X		
Downstream Invert	883.09	N/A	X		MH HAS BEEN BURIED AND COULD NOT BE LOCATED WITH
Length	85.7'	N/A	X		METAL DETECTOR. OUTLET WAS NOT PLUGGED AND
Slope	N/A	N/A	X		APPEARS TO BE OPERATIONAL THEREFORE COMPLIANT
Secondary Outlet Pipe (If Applicable)					
Opening Diameter	NONE				
Upstream Invert	"				
Downstream Invert	"				
Length	"				
Slope	"				
Riser (If Applicable)					
Opening Diameter	NONE				
Elevation	"				
Upper Discharge Control (If Applicable)					
Opening Diameter	4'	4'	X		
Elevation	887.10	887.14	X		

Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
Lower Discharge Control	(If Applicable)					
Opening Diameter	6"	6"	X			
Elevation	885.0	885.06	X			
Other (Description)						
Opening Type	N/A					
Elevation	"					
Emergency Spillway						
Elevation	891.0	891.61		X	NO VISIBLE SIGN OF SPILLWAY OBSERVED BUT 891.61 WAS LOWEST BERM ELEVATION WERE OVERTOPPING COULD OCCUR.	
Length of spillway	12'	NONE		X		
Embankment			Present			
			Yes	No		
Unauthorized plantings, trees, or woody vegetation	N/A					
Animal burrows or slope erosion	N/A					
Storage Properties	Design	Actual	Compliant		Points Surveyed	Equipment Used
			Yes	No		CONVENTIONAL ROBOTIC TOTAL STATION
Normal Water Elevation (Wet Ponds)	885.0	884.70	X		76 TOTAL	UNLESS OTHERWISE NOTED.
Design High Water Elevation	890.78	891.61	X*		"	*HIGH WATER ELEV POTENTIAL TO BE SPILLWAY.
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.32	0.30	X		"	
Area at Design High Water Elevation (Ac)	0.90	0.90	X			
Active Storage Available (Ac-Ft)*	3.94	3.85	X			
Lowest Elevation at Top of Embankment (If Applicable)	891.	891.61	X			
Average Elevation at Top of Embankment (If Applicable)	892	892	X			
Maximum Bottom Elevation	880	879.5	X			MEASURE DOWN ROD
Average Pond Bottom Elevation	880	879.50	X*			AT LOWEST BOTTOM LOCATION PER PLAN
Pond Bottom Area (Ac)	0.08	0.06	X			
Maximum Pond Depth	5'	5.2'	X			FROM NORMAL WS TO BOTTOM
Average Pond Depth	5'	5'	X			

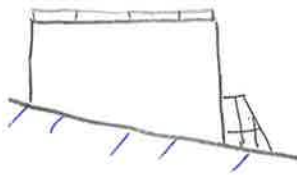
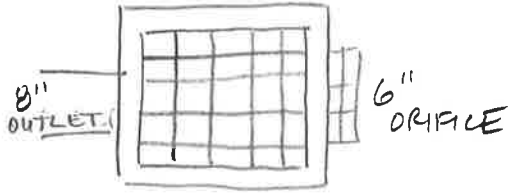
*To Determine Active Storage $V=H/3(A1+A2+(A1 \times A2)^{1/2})$

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

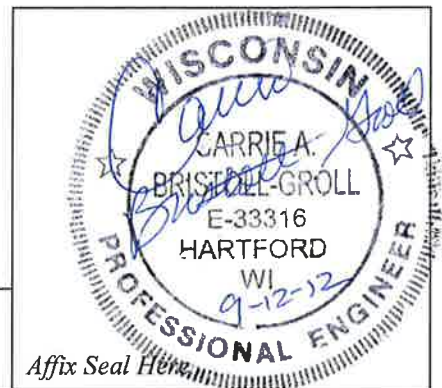
Sketch Outlet

PLAN VIEW



Inspection Firm: STORMWATER SOLUTIONS ENGINEERING, LLC Inspector Name : RICH SIMON, RLS
 Phone Number: 262-673-9697 Inspection Date: 8-23-2012
 Address: 100 E. SUMNER ST.
HARTFORD, WI 53021

Certifying Professional Name: CARRIE BRISTOLL-GROLL, PE
 Phone Number: 262-673-9697 CFM



Date: 9/12/2012 Signature: Carrie Bristol-Groll PE CFM

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 Property Tax ID Number _____ Address of Property N94 W1 8375
THUNDER RIDGE DR.
MENOMONEE FALLS, WI 53051

Dry Pond	
Wet Pond	X
Other	

Description: POND B
SWP 04N 603

Location Of Pond NORTHEAST PORTION OF
PROPERTY, NORTH PART
OF POND ADJACENT
TO THUNDER RIDGE DR.

Year Pond Constructed 2002

Year of Last Certification 4-3-2008

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe					
Opening Diameter	8"	8"	X		
Upstream Invert	884.0	883.96	X		
Downstream Invert	881.75	881.78	X		
Length	40.3'	34.63'	X		
Slope	5.58%	6.30%	X		
Secondary Outlet Pipe (If Applicable)					
Opening Diameter	N/A				
Upstream Invert	↓				
Downstream Invert					
Length					
Slope					
Riser (If Applicable)					
Opening Diameter	N/A				
Elevation	↓				
Upper Discharge Control (If Applicable)					
Opening Diameter	4'	4'	X		
Elevation	887	886.86	X		

Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
Lower Discharge Control	(If Applicable)					
Opening Diameter	6"	6"	X			
Elevation	884.0	883.91	X			
Other (Description)						
Opening Type	N/A					
Elevation	N/A					
Emergency Spillway						
Elevation	888.00	888.75	X		NO SIGN OF CONCRETE WEIR OBSERVED BUT	
Length of spillway	12'	NONE	DEFINED		LOW PT IN BERM IDENTIFIED, WOULD SERVE AS SPILLWAY,	
Embankment			Present			
			Yes	No		
Unauthorized plantings, trees, or woody vegetation	N/A			X		
Animal burrows or slope erosion	N/A			X		
Storage Properties	Design	Actual	Compliant		Points Surveyed	Equipment Used
			Yes	No		CONVENTIONAL ROBOTIC TOTAL STATION UNLESS OTHERWISE NOTED
Normal Water Elevation (Wet Ponds)	884.0	881.15*	X			
Design High Water Elevation	888.79	888.75	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	.28	.28	X			*CURRENT WATER SURFACE MOST LIKELY DUE TO LIMITED
Area at Design High Water Elevation (Ac)	.69	.76	X			RAIN EVENTS DURING SUMMER 2012. AREA AT NORMAL WATER
Active Storage Available (Ac-Ft)*	2.39	1.87	X			ELEV. BASED ON OUTLET STRUCTURE INVERT OF 884
Lowest Elevation at Top of Embankment (If Applicable)	888.5	888.75	X			
Average Elevation at Top of Embankment (If Applicable)	889	889	X			
Maximum Bottom Elevation	879	878.90	X			MEASURED DOWN FROM SURFACE
Average Pond Bottom Elevation	879	879	X			
Pond Bottom Area (Ac)	.04	.04	X			
Maximum Pond Depth	5'	5'	X			BOTTOM TO OUTLET
Average Pond Depth	5'	5'	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

SEE PHOTO RIGHT

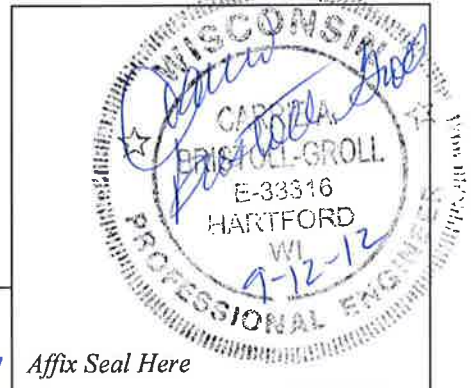


STORMWATER SOLUTIONS

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 Phone Number: 262-673-9697 Inspection Date: 8-23-2012
 Address: 100 E. SUMNER ST.
HARTFORD, WI 53027

Certifying

Professional Name: CARRIE BRISTOLL-GROLL, PE, CFM
 Phone Number: 262-673-9697



Date:
9/12/2012

Signature:
Carrie Bristol-Groll PE, CFM

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