



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 _____ Name of Business/Subdivision HOME DEPOT USA, INC
 Property Tax ID Number MNFV0014921 Address of Property N 94 W 18375 THUNDER
RIDGE TRAIL
MENOMONEE FALLS, WI
53051

Dry Pond	
Wet Pond	<u>X</u>
Other	

Description: A N003 Location Of Pond NORTHEAST CORNER OF
POND B CONCRETE PROPERTY. NORTH PORTION
ICE COVERED OF POND ADJACENT TO
THUNDER RIDGE DRIVE

Year Pond Constructed 2002 Year of Last Certification NEVER

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe					
Opening Diameter	<u>8"</u>	<u>8"</u>	<u>X</u>		<u>FAIR</u>
Upstream Invert	<u>884.0</u>	<u>883.96</u>	<u>X</u>		<u>FAIR</u>
Downstream Invert	<u>881.75</u>	<u>881.73</u>	<u>X</u>		<u>FAIR</u>
Length	<u>40.3'</u>	<u>35.97'</u>	<u>X</u>		<u>FAIR</u>
Slope	<u>5.58%</u>	<u>5.92%</u>	<u>X</u>		<u>FAIR</u>
Secondary Outlet Pipe (If Applicable)					
Opening Diameter	<u>N/A</u>				
Upstream Invert	<u>N/A</u>				
Downstream Invert	<u>N/A</u>				
Length	<u>N/A</u>				
Slope	<u>N/A</u>				
Riser (If Applicable)					
Opening Diameter	<u>N/A</u>				
Elevation	<u>N/A</u>				
Upper Discharge Control (If Applicable)					
Opening Diameter	<u>4'</u>	<u>4.13'</u>	<u>X</u>		<u>RETENTION OFFRAC STRUCTURE - FAIR</u>
Elevation	<u>887</u>	<u>886.84</u>	<u>X</u>		

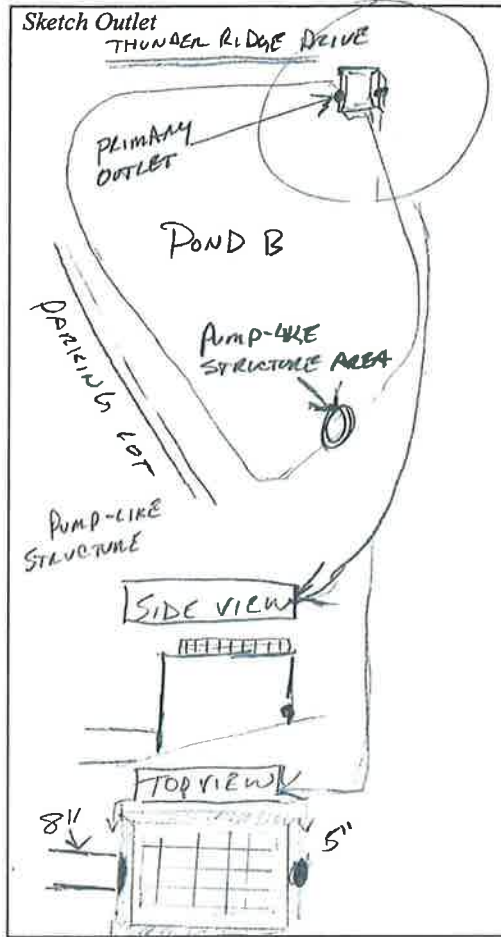
Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
Lower Discharge Control	(If Applicable)					
Opening Diameter	5"	5"	X			
Elevation	884.00	883.96	X			
Other (Description)						
Opening Type	N/A					
Elevation	N/A					
Emergency Spillway						
Elevation	888.00	*NONE		X	*NO SIGNS OF RIPRAP OBSERVED. NO SPILLWAY OBSERVED	
Length of spillway	12'	*NONE		X		
Embankment			Present			
			Yes	No		
Unauthorized plantings, trees, or woody vegetation	N/A	NONE	X	X		
Animal burrows or slope erosion	N/A	NONE		X		
Storage Properties	Design	Actual	Compliant		Points Surveyed	Equipment Used
			Yes	No		
Normal Water Elevation (Wet Ponds)	884.0	883.25	X		170 TOTAL	G.P.S / EAD
Design High Water Elevation	888.79	888.79	X		120 TOTAL	G.P.S / CAD
Area at Normal Water Elevation (Ac) (Wet Ponds)	.28 AC	.29 AC	X		170 TOTAL	G.P.S / CAD
Area at Design High Water Elevation (Ac)	.69 AC	.67 AC	X		170 TOTAL	G.P.S / CAD
Active Storage Available (Ac-Ft)*	2.39 (AC-Ft)	2.28 (AC-Ft)	X		170 TOTAL	G.P.S / CA
Lowest Elevation at Top of Embankment (If Applicable)	N/A	N/A			*20 TOTAL	*UNABLE TO GET CENTER OF POND DUE TO ICE
Average Elevation at Top of Embankment (If Applicable)	N/A	N/A			170 TOTAL	G.P.S / CAD
Maximum Bottom Elevation	879	*881.91	N/A		2	G.P.S / CAD
Average Pond Bottom Elevation	879	881.91	N/A		2	G.P.S / CAD
Pond Bottom Area (Ac)	.046 AC	N/A	N/A		2	G.P.S / CAD
Maximum Pond Depth	9.79'	8.37'	N/A		2	G.P.S / CAD
Average Pond Depth	5.2'	5.2'	N/A		2	G.P.S / CAD

→ DUE TO WEATHER & ICE CONDITIONS

*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: NORTHERN ENVIRONMENTAL
 Phone Number: 262-241-3133
 Address: 12075 CORPORATE PKY
MILWAUKEE, WI 53092

Inspector Name: PAUL HARGREAVE / BRENDA PRYNE
 Inspection Date: 03/20/2008

Certifying Professional Name: Hiedi A. Waller
 Phone Number: 262-643-9161



Date: 4/13/08

Signature: Hiedi Ann Waller

Affix Seal Here



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STORMWATER MANAGEMENT FACILITIES
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Quarter Section _____ Name of Business/Subdivision Home Depot USA
 Property Tax ID Number MNV0014971 Address of Property N74 W18375 THUNDER

4N006

Dry Pond	
Wet Pond	<input checked="" type="checkbox"/>
Other	

Description: POND A - MOSTLY
ICE COVERED

Location Of Pond SOUTHEAST CORNER OF
PROPERTY. THE WEST PORTION
OF POND IS ADJACENT TO
SIDE OF HOME DEPOT

Year Pond Constructed 2002 Year of Last Certification NEVER

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe					
Opening Diameter	8"	8"	X		FAIR
Upstream Invert	885.0	885.06	X		GOOD
Downstream Invert	883.09	*881.03	X		*M1 26 USED DUE TO SNOW MOUNDS OVER NEAREST M1
Length	85.7'	*639.41	X		FAIR
Slope	.5290	*6.67%	X		
Secondary Outlet Pipe (If Applicable)					
Opening Diameter	N/A				
Upstream Invert	N/A				
Downstream Invert	N/A				
Length	N/A				
Slope	N/A				
Riser (If Applicable)					
Opening Diameter	N/A				
Elevation	N/A				
Upper Discharge Control (If Applicable)					
Opening Diameter	4'	4.01'	X		RETENTION OUT FALL STRUCTURE - FAIR
Elevation	887.10	887.17	X		

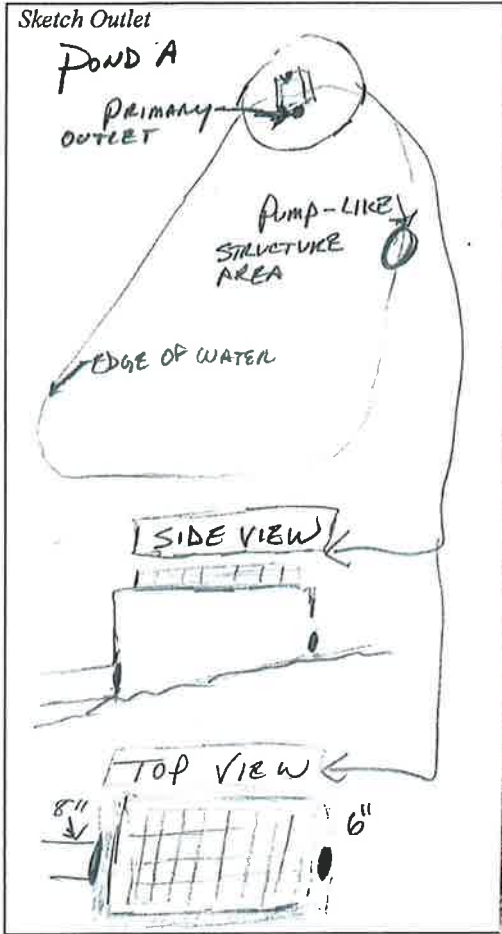
Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
Lower Discharge Control	(If Applicable)					
Opening Diameter	6"	6"	X			
Elevation	885.0	885.06	X			
Other (Description)						
Opening Type	N/A					
Elevation	N/A					
Emergency Spillway						
Elevation	891.0	* NONE		X	*NO SIGNS OF RILLAGE OBSERVED ON SITE. NO SPILLWAY OBSERVED	
Length of spillway	12'	* NONE		X		
Embankment			Present			
			Yes	No		
Unauthorized plantings, trees, or woody vegetation	N/A	NONE				
Animal burrows or slope erosion	N/A	NONE				
Storage Properties	Design	Actual	Compliant		Points Surveyed	Equipment Used
	Yes	No				
Normal Water Elevation (Wet Ponds)	885.0	885.04	X		162 TOTAL	GPS/CAD
Design High Water Elevation	890.78	890.78	X		162 TOTAL	GPS/CAD
Area at Normal Water Elevation (Ac) (Wet Ponds)	.34AC	.43AC	X		162 TOTAL	GPS/CAD
Area at Design High Water Elevation (Ac)	0.90AC	0.93AC	X		162 TOTAL	GPS/CAD
Active Storage Available (Ac-Ft)*	3.94AC FT	3.73AC FT	X		162 TOTAL	GPS/CAD
Lowest Elevation at Top of Embankment (If Applicable)	N/A	N/A				
Average Elevation at Top of Embankment (If Applicable)	N/A	N/A				
Maximum Bottom Elevation	(1) 880 (2) 882	881.76	N/A		26 CENTER	(1) CENTER OF POND (2) LOCATION OF ICE COVERED POND MEASURED
Average Pond Bottom Elevation	880	883.35	N/A		26	*ELEVATION BASED ON 26 PNTS NOT IMPEDED BY ICE
Pond Bottom Area (Ac)	.08AC	N/A	N/A		26	GPS/CAD
Maximum Pond Depth	10.78'	9.02'	N/A		26	GPS/CAD
Average Pond Depth	5.91	5.81	N/A		26	

*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

→ DUE TO WEATHER & ICE CONDITIONS



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