



Rec 8-15-11
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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 3, 8-20 Name of Business/Subdivision STEINHAFELS FURNITURE
 Property Tax ID Number 0010-971 Address of Property N93W16677 RICHFIELD WAY
MENOMONEE FALLS, WI

Dry Pond	
Wet Pond	X
Other	

Description: LOT 1 CSM 9838 Location Of Pond POND 3
SOUTHWEST SIDE OF LOT

Year Pond Constructed 2005 Year of Last Certification 2006 for 2009

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	12"	12"	X		CONCRETE
Upstream Invert	840.4	840.02	X		
Downstream Invert	839.97	839.66	X		
Length (feet)	43'	44'	X		
Slope (%)	1.0%	0.8%	X		
Secondary Outlet Pipe (If Applicable)					Outlet Pipe Material
Opening Diameter (inches)					
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
Riser (If Applicable)					Riser Material
Opening Diameter (inches)					
Elevation					
Upper Discharge Control (If Applicable)					
Opening Diameter (inches)					
Elevation					

Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)						
Elevation						
Other (Description)						
Opening Type and Size (inches)						
Elevation						
Emergency Spillway						
Elevation	846.50	845.4	X			
Length of spillway (feet)	18X17	20X12	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						
Outfall 2						
Outfall 3						
Storage Properties	Design	Actual	Compliant		Not Applicable	Equipment Used
			Yes	No		
Normal Water Elevation (Wet Ponds)	840.4	841.84	X			Physically poked the bottom of the pond with an elevation rod. Appears only to have 0.10 to 0.20 feet of silt accumulation in areas checked.
Design High Water Elevation	846.5	845.4	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.17	0.31	X			
Area at Design High Water Elevation (Ac)	0.46	0.43	X			
Active Storage Available (Ac-Ft)*						
Lowest Elevation at Top of Embankment (If Applicable)						
Average Elevation at Top of Embankment (If Applicable)						
Maximum Bottom Elevation	835.0	834.94	X			
Average Pond Bottom Elevation	835.0	835.04	X			
Pond Bottom Area (Ac)	0.02	0.01	X			
Maximum Pond Depth	5.4	6.9	X			
Average Pond Depth	5.4	6.8	X			
Average Permanent Pool Depth (Wet Ponds)						

*To Determine Active Storage $V = \left(\left(\frac{H}{3} \right) \left(A1 + A2 + \left(\left(A1 + A2 \right)^{\left(\frac{1}{2} \right)} \right) \right) \right)$
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 ATTACHED

Place Photograph of Pond

SEE ATTACHED

Place Photograph of Pond

SEE ATTACHED

Inspection Firm: ARNOLD & O'SHERIDAN Inspector Name: DAVID ANDRUCZYK
Phone Number: (608) 821-8500 Inspection Date: AUGUST 10, 2011
Address: 1111 DEMING WAY
SUITE 200
MADISON, WI 53717

Certifying
Professional Name: DAVID ANDRUCZYK
Phone Number: (608) 821-8482



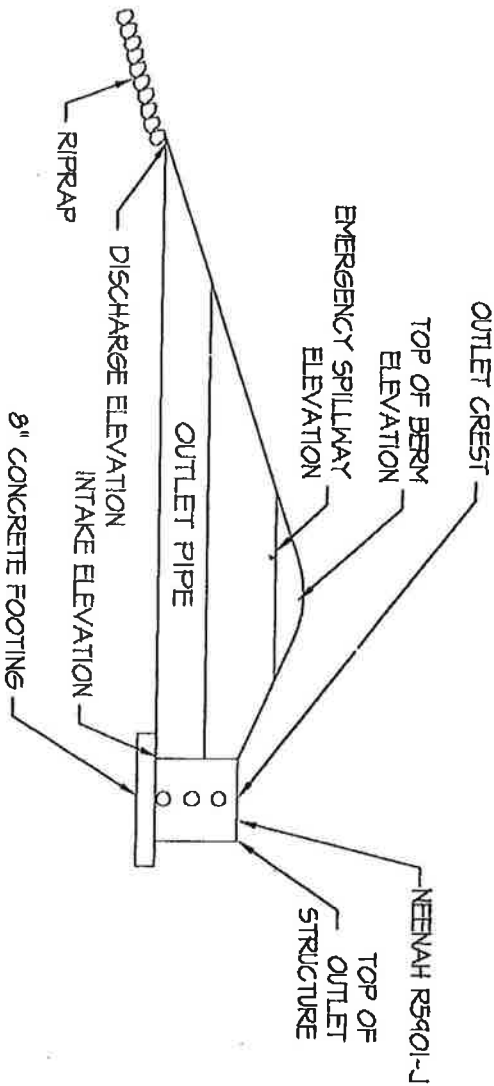
Date: 8/15/11 Signature: David Andruczyk

8/15/11

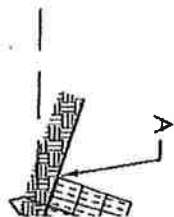
DISCHARGE STRUCTURE ELEVATION TABLE

	POND 1	POND 2	POND 3
TOP/BERM ELEV.	846.50	846.30	848.50
SPILLWAY	844.75	844.75	846.50
TOP OF OUTLET ORIFICE	NA	844.75	846.50
INTAKE	840.60	840.40	840.40
DISCHARGE	840.40	840.40	840.40
TEMPORARY DEWATERING ORIFICE	NA	841.12	843.14
		2.26"	12"
			2.43"

*TEMPORARY DEWATERING ORIFICE PLATE TO BE REMOVED ONCE VEGETATION IS ESTABLISHED.



8 DISCHARGE STRUCTURE
C1.5 NTS



BINDING WIRE OR TWIN TO REMAIN

4
C1.5



1"X1"X1/4" ANGLE

RTIE
MIN IN
ER DETAIL



