

2003 file

10-11-2012



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 NE ¼ OF SECTION 27 Name of Business/Subdivision Kohler Lane Self Storage
 Property Tax ID Number MNFV0105.997.001 Address of Property N60 W16146 Kohler Lane
Menomonee Falls, WI 53051
 Date 10-11-12

Dry Pond	
Wet Pond	X
Other	

Location of Pond Northeast corner of site and north of storage units
 Pond ID: SWP 27N001

Year Pond Constructed 2007 Year of Last Certification N/A

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	12"	12"	X		PVC – Good Condition, Clear of Debris (see picture #2)
Upstream Invert	830.00	829.88	X		
Downstream Invert	829.46	829.46	X		
Length (feet)	36'	36'	X		
Slope (%)	1.50%	1.17%	X		
Secondary Outlet Pipe (If Applicable)					Outlet Pipe Material
Opening Diameter (inches)					Not Applicable
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
Riser (If Applicable)					Riser Material
Opening Diameter (inches)	36"	36"	X		Concrete – Good Condition (see picture #2)
Elevation	832.55	832.52	X		
Upper Discharge Control (If Applicable)					
Opening Diameter (inches)					Not Applicable
Elevation					

Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	2 3/4"	2 3/4"	X		2 3/4" orifice in good condition and clear of debris	
Elevation	830.00	829.88	X			
Other (Description)						
Opening Type and Size (inches)					Not Applicable	
Elevation						
Emergency Spillway						
Elevation	833.80	834.30 833.30	X		Top of Rip Rap Bottom of Rip Rap	
Length of spillway (feet)	15'	10'				
Embankment	Present		Comments/Maintenance Requirements			
	Yes	no				
Unauthorized Plantings, trees, or woody vegetation		X				
Animal burrows or slope erosion		X				
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1	12" PVC		Southeast corner of pond		Good Condition, Clear of Debris	
Outfall 2	Not Applicable					
Outfall 3	Not Applicable					
Storage Properties	Design	Actual	Compliant		Not Applicable	Equipment Used
			Yes	No		
Normal Water Elevation (Wet Ponds)	830.00	830.00	X			
Design High Water Elevation	833.75	834.30	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.08	0.07	X			
Area at Design High Water Elevation (Ac)	0.18	0.17	X			
Active Storage Available (Ac-Ft)*	0.40	0.36	X			
Lowest Elevation at Top of Embankment (If Applicable)	834.00	833.49	X			
Average Elevation at Top of Embankment (If Applicable)	834.00	836.00	X			
Maximum Bottom Elevation	826.00	826.10	X			
Average Pond Bottom Elevation	826.00	826.25	X			
Pond Bottom Area (Ac)	0.02	0.02	X			
Maximum Pond Depth	4 feet	9.1 feet	X			
Average Pond Depth	4 feet	3.6 feet	X			
Average Permanent Pool Depth (Wet Ponds)	830.00	829.88	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 or Attach to Document

Place Photograph of Pond or Attach to Document

SEE ATTACHED PHOTOS

Place Photograph of Pond or Attach to Document

Attach As-built Survey to the Document for the first report submission

Inspection Firm: Crispell-Snyder, Inc.
Phone Number: (262) 250-8000
Address: W175 N11081 Stonewood Dr.
Germantown, WI 53022

Inspector Name : Matt Garon
Inspection Date: 10-11-12

Certifying Professional Name: Matt Garon
Phone Number: (262) 250-8000



Date: 10-11-12

Signature: Matthew J. Garon

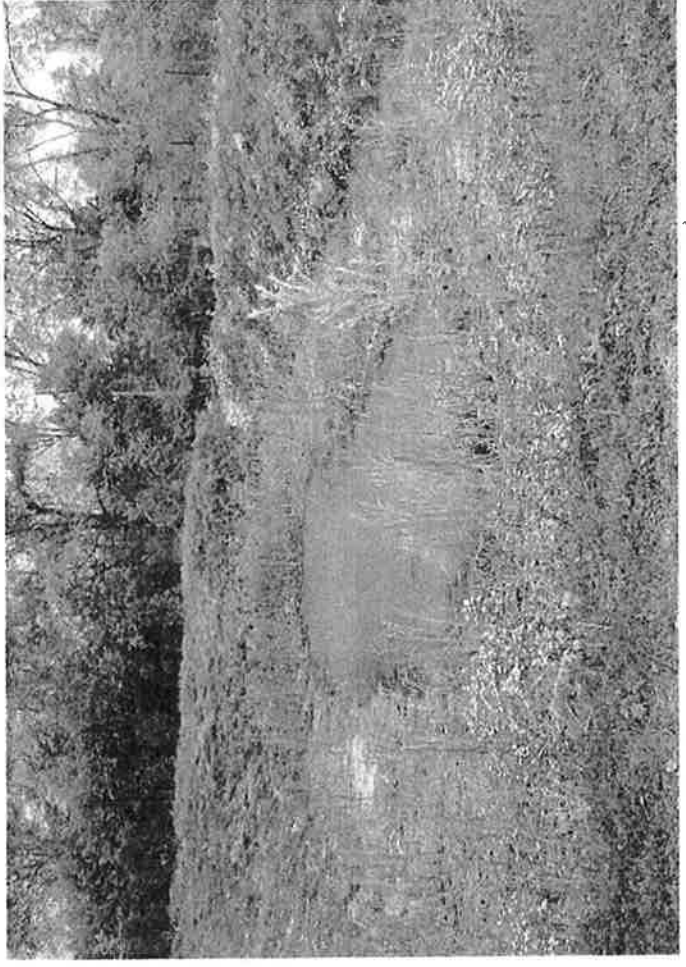
Affix Seal Here



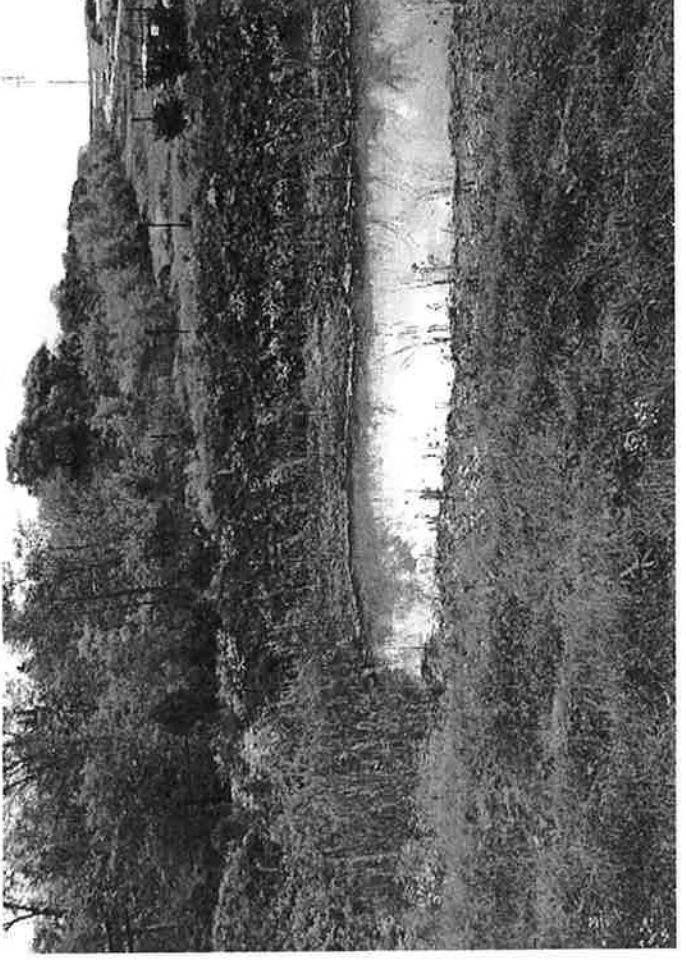
Picture #5 - Pond looking North



Picture #6 - Pond looking South



Picture #7 - Pond looking North

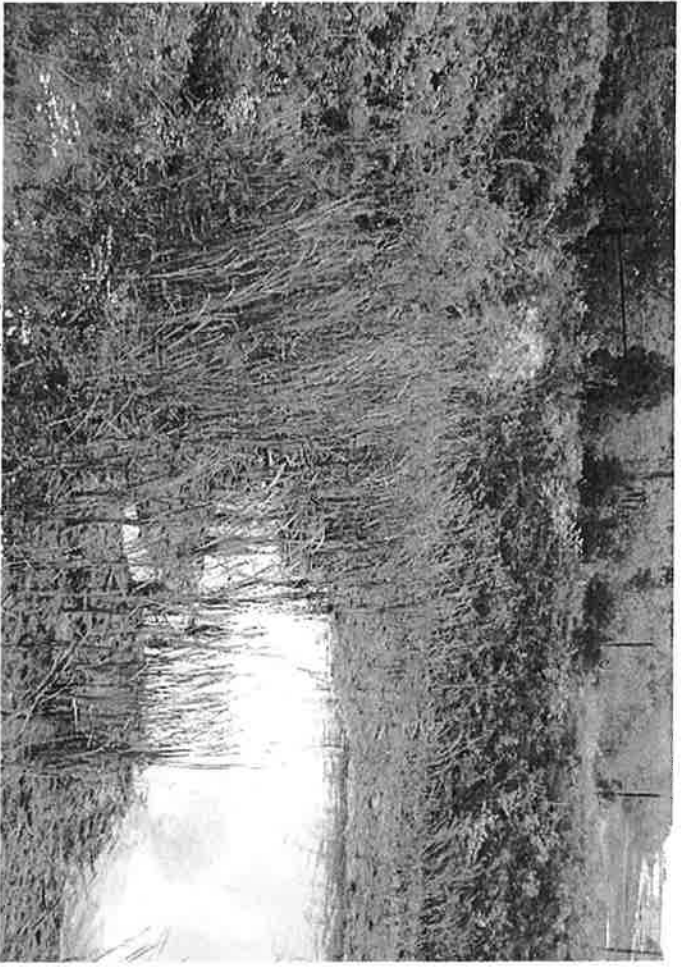


Picture #8 - Pond looking East

Picture #3 - Pond looking to South



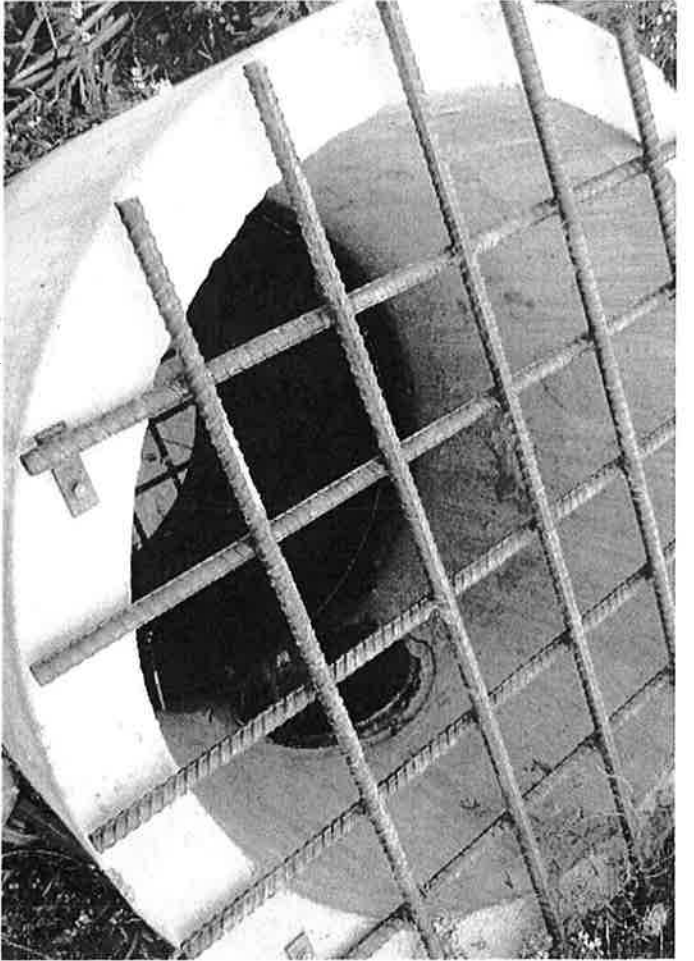
Picture #1 - Pond with spillway



Picture #4 - Inlet Pipe



Picture #2 - Rebar Structure with Outlet



Rec 10/15/12



October 11, 2012

Village of Menomonee Falls
Engineering Department
W156N8480 Pilgrim Road
Menomonee Falls WI 53051

Attn: Nancy Greifenhagen

RE: Kohler Lane Self Storage Pond Inspections
Five Year Maintenance Agreement

Dear Nancy:

On behalf of Arnold Gross, the owner of Kohler Lane Self Storage, we have completed the pond inspection for the above referenced development with Pond ID SWP 27N001. The Kohler Lane Self Storage site has one storm water management pond that was part of the original approved preliminary design from 2006. As part of the maintenance agreement with the Village the pond is subject to a 5-year inspection. The Storm Water Management Facilities Operation and Inspection Report with pictures of the pond are attached for Village review.

If you have any questions or require additional information, please do not hesitate to contact our Germantown office.

Sincerely,

CRISPELL-SNYDER, INC.

A handwritten signature in cursive script that reads 'Matthew J. Garon'.

Matthew J. Garon, P.E.
Sr. Project Engineer

Cc: Arnold Gross

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FAX 715.752.4595