



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		Securant Bank (Formerly Milw. Western Bank)
Property Tax ID Number	MNFV00139	Address of Property	W178 N9358 Water Tower Place
Date	80		
5/2/14			

Dry Pond		Location of Pond	Northern Corner of Site at intersection of Water Tower Place and Appleton Avenue
Wet Pond	X		
Other		Pond ID:	SWP 04 N004

Year Pond Constructed	2005	Year of Last Certification	2010
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Compliance Verification		Design	Actual	Compliant Yes	Compliant No	Comments (Condition of Structure)			
<b>Primary Outlet Pipe</b>									
Opening Diameter (inches)	18	18	X			Outlet pipe in good shape; note actual inverts based on survey conducted in June 2010			
Upstream Invert	900.0	900.11	X						
Downstream Invert	900.0	900.1	X						
Length (feet)	20	21.6	X						
Slope (%)	0	0	X						
<b>Secondary Outlet Pipe</b>		(If Applicable)			Outlet Pipe Material				
Opening Diameter (inches)	NA	NA							
Upstream Invert	NA	NA							
Downstream Invert	NA	NA							
Length (feet)	NA	NA							
Slope (%)	NA	NA			<b>Riser</b>				
<b>Riser</b>		(If Applicable)							
Opening Diameter (inches)	NA	NA							
Elevation	NA	NA							
<b>Upper Discharge Control</b>		(If Applicable)			Overflow weir and outlet controls not installed per design				
Opening Diameter (inches)	NA	NA		X					
Elevation	903.2	NA		X					

Compliance Verification	Design	Actual	Compliant Yes No		Comments
<b><i>Lower Discharge Control</i></b>	<b>(If Applicable)</b>				
Opening Diameter (inches)	4	NA		X	Outlet controls not installed per design
Elevation	900	NA		X	
<b><i>Other (Description)</i></b>					
Opening Type and Size (inches)					
Elevation					
<b><i>Emergency Spillway</i></b>					
Elevation	903.2	NA		X	Overflow spillway not constructed at time of inspection; overflow spillway installed after inspection – see attached photos
Length of spillway (feet)	5'	NA		X	
<b><i>Embankment</i></b>	<b>Present Yes no</b>		<b>Comments/Maintenance Requirements</b>		
Unauthorized Plantings, trees, or woody vegetation	x		Small tree growing from east berm sideslope; tree should be cut down; erosion and bare soil present along east berm sideslope especially by southeast corner of basin; slope should be stabilized w/ topsoil, matting and seed		
Animal burrows or slope erosion	x				
<b><i>Storm Sewer Outfalls</i></b>	<b>Type &amp; Size</b>		<b>Location</b>		<b>Comments</b>
Outfall 1	10" PVC		SW corner of basin		Good condition
Outfall 2	18" HDPE		South corner of basin		Good condition
Outfall 3					
<b><i>Storage Properties</i></b>	Design	Actual	Compliant Yes No	Not Applicable	Equipment Used
Normal Water Elevation ( <i>Wet Ponds</i> )					
Design High Water Elevation					
Area at Normal Water Elevation (Ac) ( <i>Wet Ponds</i> )					
Area at Design High Water Elevation (Ac)					
Active Storage Available (Ac-Ft)*					
Lowest Elevation at Top of Embankment (If Applicable)					
Average Elevation at Top of Embankment (If Applicable)					
Maximum Bottom Elevation					
Average Pond Bottom Elevation					
Pond Bottom Area (Ac)					
Maximum Pond Depth					
Average Pond Depth					
Average Permanent Pool Depth ( <i>Wet Ponds</i> )					

\*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

Place Photograph of Pond or Attach to Document

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

Inspection Firm: The Sigma Group, Inc.

Phone Number: 414-643-4200

Address: 1300 W. Canal Street  
Milwaukee, WI

Inspector Name: James B. Leedom, P.E.

Inspection Date: 5/2/14

Certifying Professional James B. Leedom, P.E.

Name:

Phone Number:

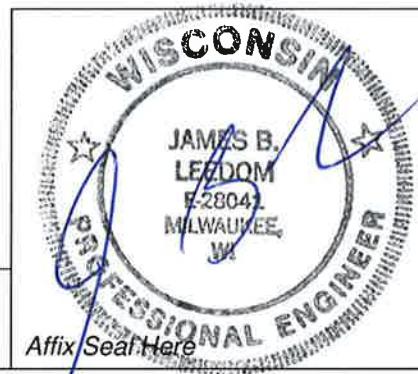
414-643-4200

Date:

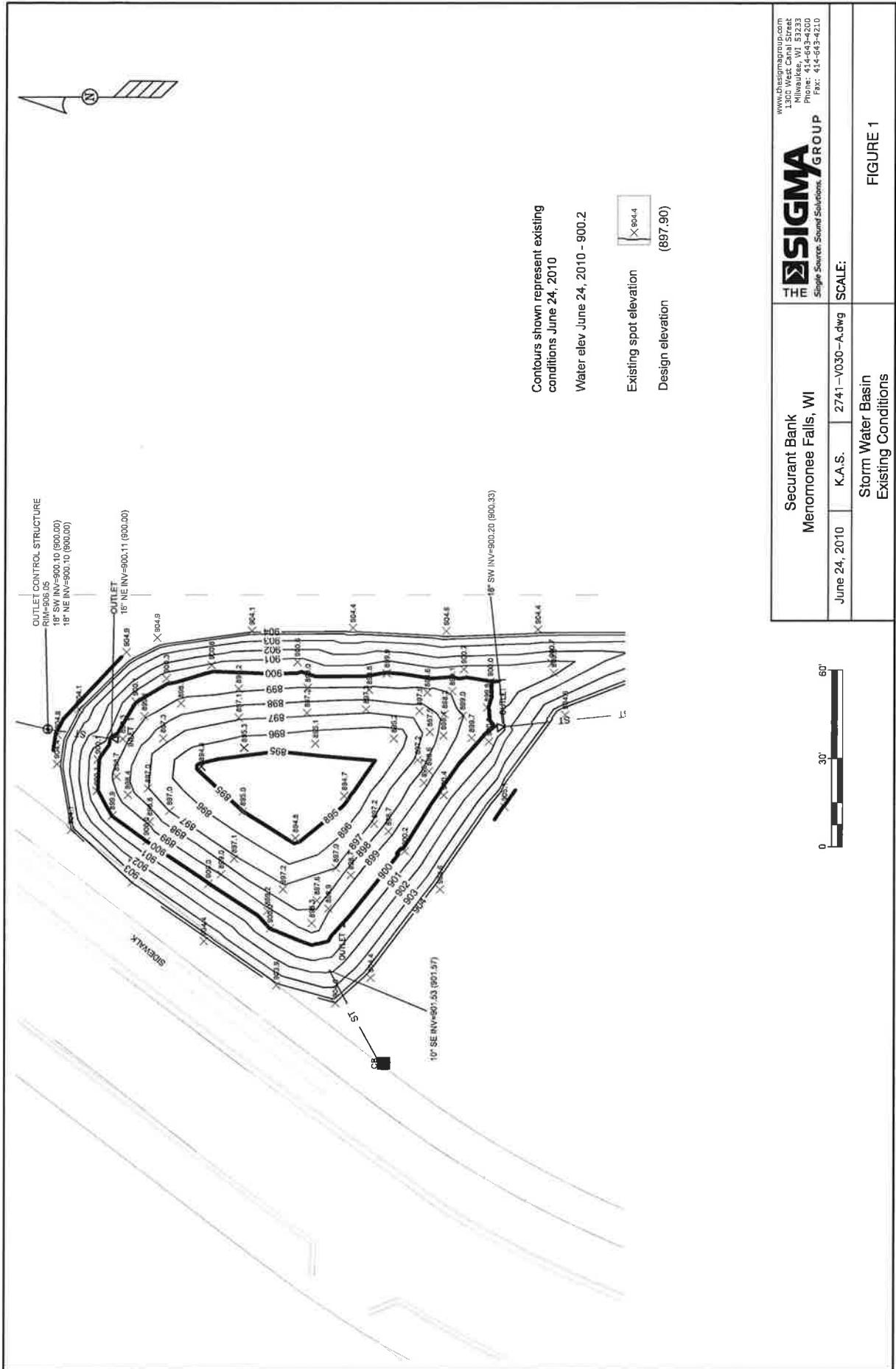
7/25/14

Signature:

J. B. L.



10-3-2012



05/02/2014 11:19

Looking north across pond



05/02/2014 11:19

Erosion by SE corner of pond

05/02/2014 11:23

Erosion along east bank of pond

05/02/2014 11:21

Erosion along east bank of pond





05/02/2014 11:25

Outlet manhole - note no outlet control weir and orifices are installed.

2014/05/13

Emergency spillway being installed after  
inspection



3

Spillway installed after inspection

