



2009

Village of Menomonee Falls
W156 N8480 Pilgrim Road
Menomonee Falls, WI 53051-3140
Telephone: (262) 532-4200

STORMWATER MANAGEMENT FACILITIES
OPERATION AND INSPECTION REPORT

Miles Western Road

Quarter Section NE 1/4 SEC 4 Name of Business/Subdivision SECURANT BANK
Property Tax ID Number 001 3988006 Address of Property W178 N9358
WATERTOWER PLACE

Dry Pond	
Wet Pond	☒
Other	

Description:

SWP 4N004

Location Of
Pond

NORTH SIDE OF
SITE

Year Pond Constructed 2005

Year of Last Certification 2006

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe					
Opening Diameter	18"	18"			
Upstream Invert	900.0	900.11			
Downstream Invert	900.0	900.10			
Length	20	21.6			
Slope	0%	0%			
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	N/A	N/A			WIER OVERFLOW PER DESIGN
Elevation	903.20	N/A			N/O STRUCTURE OBSERVED IN OUTLET CONTROL STRUCTURE

Outlet controls do not appear
to have been installed

Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter	4"	N/A			NO WIER STRUCTURE OBSERVED IN OCS	
Elevation	900.0	N/A			Cutlet controls do not appear to have been installed	
Other (Description)						
Opening Type						
Elevation						
Emergency Spillway						
Elevation	903.2	N/A			DOES NOT APPEAR TO HAVE BEEN CONSTRUCTED	
Length of spillway	5'	N/A				
Embankment			Present Yes No			
Unauthorized plantings, trees, or woody vegetation				X		
Animal burrows or slope erosion				X		
Storage Properties	Design	Actual	Compliant Yes No		Points Surveyed	Equipment Used
Normal Water Elevation (Wet Ponds)	900.	900				TRIANGLE 5600 TOTAL STATION
Design High Water Elevation	902.99	903.7				"
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.19	0.19				
Area at Design High Water Elevation (Ac)	0.32	0.34				
Active Storage Available (Ac-Ft)*	0.54	0.70				
Lowest Elevation at Top of Embankment (If Applicable)	903.2	903.7				
Average Elevation at Top of Embankment (If Applicable)	905.0	904.4				
Maximum Bottom Elevation	895	894.7				
Average Pond Bottom Elevation	895	895.0				
Pond Bottom Area (Ac)	0.03	0.025				CALCULATED TO 895 CONTOUR
Maximum Pond Depth	8.0	9.0				
Average Pond Depth	8.0	8.7				

*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



Pond overview #1



Pond overview #2

Rec 7-1-10

LETTER OF TRANSMITTAL

milw western Bank

Date: 6/29/10 Project No.: 2744

To: Village of Menomonee Falls
Engineering Dept.
W156 N8480 Pilgrim Road
Menomonee Falls, WI 53051

RE: Securant Bank
Storm Water Pond Inspection

We are sending you the following items:

☐ Prints ☒ Plans ☒ Reports X Other
☐ Specifications ☐ Copy of letter ☐ Change order

COPIES	ENCLOSED	UNDER SEPARATE COVER	DESCRIPTION
1	X		Inspection Form
1	X		Current Condition Survey

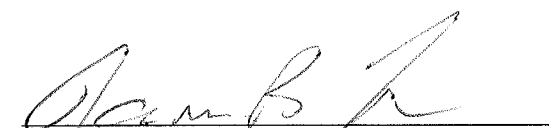
These are transmitted as checked below:

☐ For approval ☐ No exceptions taken ☐ Resubmit ___ copies for review
X For your use ☐ Make corrections noted ☐ Submit ___ copies for distribution
☐ As requested ☐ Rejected; resubmit as noted ☐ Return ___ corrected prints
☐ For review and comment ☐ For Bids due _____ ☐ Prints returned after loan to us

Notes/Comments:

On behalf of Securant Bank, Sigma Development is submitting the attached storm water basin inspection form and survey. Please let us know if you need any additional information.

Sincerely,


James B. Leedom, P.E.

Cc: Mike Peters, Securant Bank

