



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 SW 1/4, Sec. 1, T8N R20E Name of Business/Subdivision We Energies Service Center CP-24
Property Tax ID Number MNFW 000391 Address of Property
Date 11-19-12

Dry Pond		Location of Pond	NE Corner of Parcel
Wet Pond			
Other	X	Pond ID: SWP01 S 006 Infiltration Basin Asbuilt	

Year Pond Constructed 2011 Year of Last Certification N/A

Compliance Verification	Design	Actual	Compliant Yes No	Comments (Condition of Structure)
Primary Outlet Pipe				Outlet Pipe Material
Opening Diameter (inches)				Not applicable - primary discharge is underdrain.
Upstream Invert				
Downstream Invert				
Length (feet)				
Slope (%)				
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)				Not applicable.
Elevation				
Upper Discharge Control	(If Applicable)			Not applicable.
Opening Diameter (inches)				
Elevation				

Compliance Verification	Design	Actual	Compliant Yes	Compliant No	Comments
Lower Discharge Control (If Applicable)					
Opening Diameter (inches)					Not applicable.
Elevation					
Other (Description)					
Opening Type and Size (inches)					4" underdrain in stone bedding, discharge to wetland.
Elevation					
Emergency Spillway					
Elevation	763.00	763.55			Higher elevation provides more storage.
Length of spillway (feet)	14 ft.	30 ft.			Wider spillway provides more diffuse discharge.
Embankment					
	Present Yes no		Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation	X		One tree is at slightly different location than shown on plan.		
Animal burrows or slope erosion		X			
Storm Sewer Outfalls					
Outfall 1	30" concrete		Location		Comments
Outfall 2					
Outfall 3					
Storage Properties					
Design	Actual	Compliant Yes	Compliant No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	N/A				Survey - total station
Design High Water Elevation	763.08	763.69			
Area at Normal Water Elevation (Ac) (Wet Ponds)	N/A				See attached Table and Pond Pack Calculations.
Area at Design High Water Elevation (Ac)	0.09	0.098			
Active Storage Available (Ac-Ft)*	0.148	0.203			As-built pond provides more detention and peak flow reduction than planned plan.
Lowest Elevation at Top of Embankment (If Applicable)	765.0	764.4			
Average Elevation at Top of Embankment (If Applicable)	765.0	764.6			
Maximum Bottom Elevation	761.0	761.1			
Average Pond Bottom Elevation	761.0	760.5			
Pond Bottom Area (Ac)	N/A	N/A			
Maximum Pond Depth	N/A				
Average Pond Depth	N/A				
Average Permanent Pool Depth (Wet Ponds)	N/A				

*To Determine Active Storage $V=H/3(A1+A2+(A1 \times A2)/2)$

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

See attached survey.

Place Photograph of Pond or Attach to Document

See attached photographs

Place Photograph of Pond or Attach to Document

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

Inspection Firm: GRAEF
Phone Number: 414-259-1500
Address: 125 S. 84th Street, Suite 401
Milwaukee, WI 53214

Inspector Name: John T. McCarthy, P.E.
Inspection Date: 10-25-12

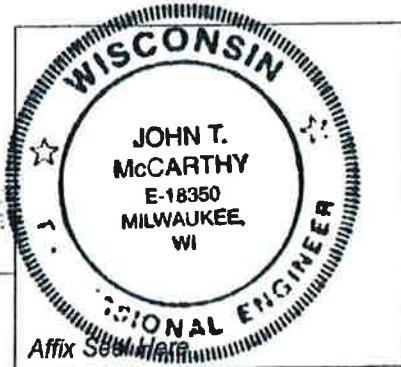
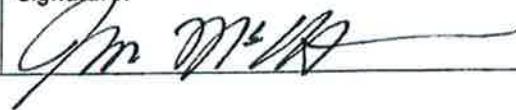
Certifying Professional

Name: John T. McCarthy, P.E.
Phone Number: 414-266-9102

Date:

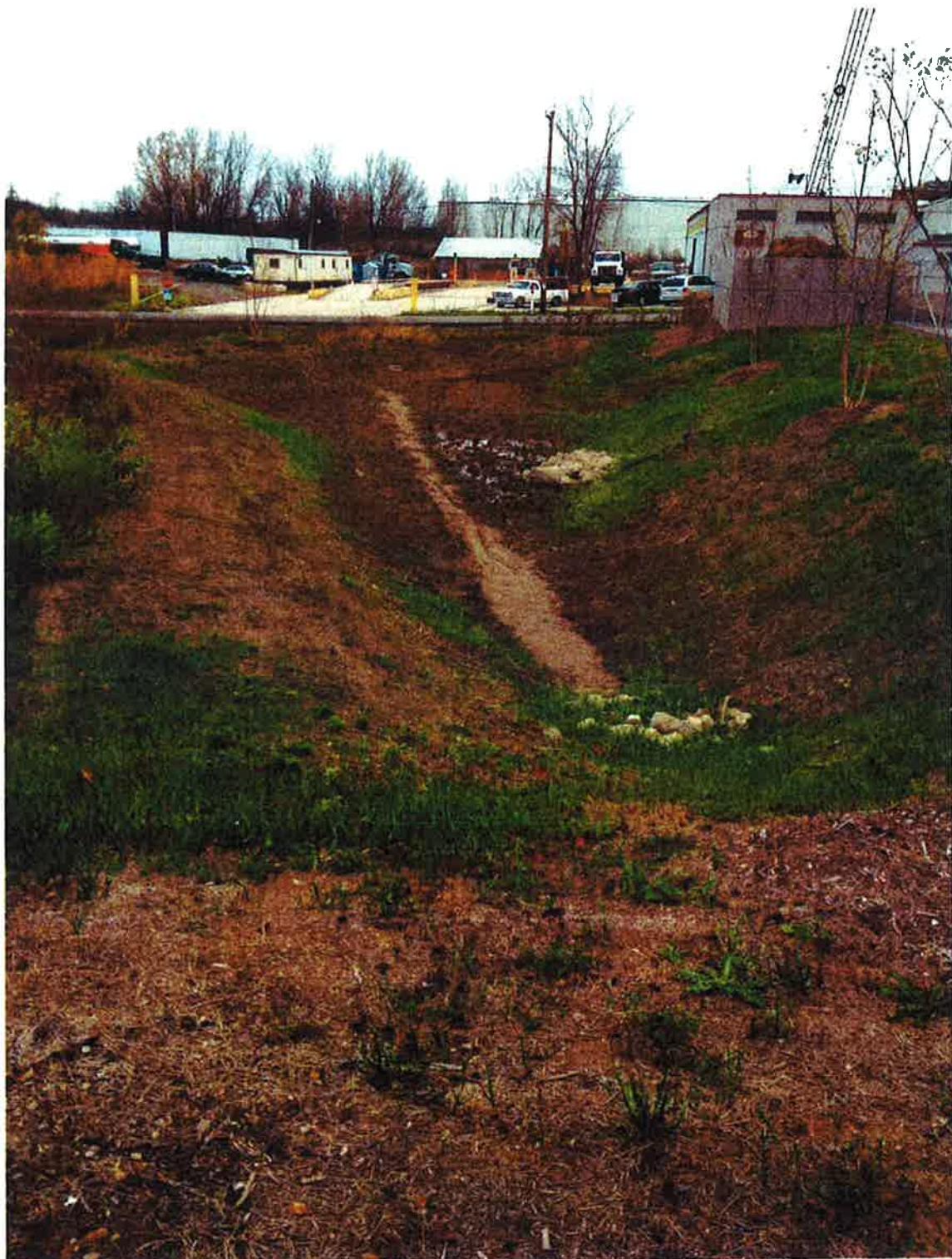
11-23-12

Signature:



10-3-2012

We Energies Service Center -- W140 N9100 Lilly Road -- Infiltration Basin Photographs – 10/25/12



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