



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

*Asbuilt*

## STORMWATER MANAGEMENT FACILITIES OPERATION AND INSPECTION REPORT

Quarter Section	<u>SW ¼ Section 36</u>	Name of Business/Subdivision	<u>Fairchild Equipment</u>
Property Tax ID Number	<u>MNFV 0143.999.041</u>	Address of Property	<u>N52 W13821 North Park Drive</u>
Date: 12/02/2016			<u>Menomonee Falls, WI</u>

Dry Pond	X
Wet Pond	
Other	

Location of Pond: Directly South of New addition  
Parking Lot.

Pond ID: SWP 36 5007

Year Pond Constructed: 2016      Year of Last Certification: None

Compliance Verification	Design	Actual	Compliant		Comments ( Condition of Structure)
			Yes	No	
<b>Primary Outlet Pipe</b>					<b>Outlet Pipe Material</b>
Opening Diameter (inches)	10	10	X		Plastic pipe, no cracks.
Upstream Invert	764.00	764.60	X		
Downstream Invert	763.67	764.31	X		
Length (feet)	78'	76.1'	X		
Slope (%)	0.42	0.38	X		
<b>Secondary Outlet Pipe</b> (If Applicable)					<b>Outlet Pipe Material</b>
Opening Diameter (inches)					
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
<b>Riser</b> (If Applicable)					<b>Riser Material</b>
Opening Diameter (inches)	10	10	X		Plastic Pipe, no visible cracks or defects.
Elevation	767.03	767.00	X		
<b>Upper Discharge Control</b> (If Applicable)					
Opening Diameter (inches)	15	15	X		Plastic pipe, no visible cracks or defects.
Elevation	767.40	767.82	X		

Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
<b>Lower Discharge Control</b>	<b>(If Applicable)</b>					
Opening Diameter (inches)	10	10	X		Plastic pipe.	
Elevation	764	764.60	X			
<b>Other (Description)</b>						
Opening Type and Size (inches)						
Elevation						
<b>Emergency Spillway</b>						
Elevation	768.00	768.05	x			
Length of spillway (feet)	10	17	x			
<b>Embankment</b>	Present Yes no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation		x				
Animal burrows or slope erosion		x				
<b>Storm Sewer Outfalls</b>	Type & Size		Location		Comments	
Outfall 1	12" CMP		SW OF POND		CULVERT PIPE	
Outfall 2						
Outfall 3						
<b>Storage Properties</b>	Design	Actual	Compliant		Not Applicable	Equipment Used
			Yes	No		
Normal Water Elevation (Wet Ponds)					NA	
Design High Water Elevation	767.80	767.80	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)					N/A	
Area at Design High Water Elevation (Ac)	0.135	0.131	X			
Active Storage Available (Ac-Ft)*	.109	.110	X			
Lowest Elevation at Top of Embankment (If Applicable)	768.50	768.47	X			
Average Elevation at Top of Embankment (If Applicable)	768.50	768.50	X			
Maximum Bottom Elevation	766.00	765.84	X			
Average Pond Bottom Elevation	766.00	765.90	X			
Pond Bottom Area (Ac)	.010	.009	X			
Maximum Pond Depth	1.8	1.96	X			
Average Pond Depth	1.8	1.9	X			
Average Permanent Pool Depth (Wet Ponds)					NA	

\*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



12/ 1/2016



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

Inspection Firm: PINNACLE ENGINEERING Inspector Name: Aaron E Koch  
Phone Number: 262-754-8888 Inspection Date: Aaron E Koch  
Address: 15850 W. BLUEMOUND RD  
SUITE 210 BROOKFIELD WI  
53005

Certifying Professional Name: AARON E. KOCH  
Phone Number: 262-754-8888



Date: <u>12/9/16</u>	Signature: <u></u>
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10-3-2012

NOTE: PLANTING TO BE COMPLETED IN SPRING 2017.

