



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

As built

STORMWATER MANAGEMENT FACILITIES OPERATION AND INSPECTION REPORT

Quarter Section
Property Tax ID Number
Date: 12/02/2016

SW 1/4 Section 36
MNFV 0143.999.041

Name of Business/Subdivision
Address of Property

Fairchild Equipment
N52 W13821 North Park Drive
Menomonee Falls, WI

Dry Pond	X
Wet Pond	
Other	

Pond ID: SWP 36 SO 07

Location of
Pond

Directly South of New addition

Parking Lot.

Year Pond
Constructed

2016

Year of Last
Certification

None

Compliance Verification	Design	Actual	Compliant Yes	No	Comments (Condition of Structure)
Primary Outlet Pipe					
Opening Diameter (inches)	10	10	X		
Upstream Invert	764.00	764.60	X		
Downstream Invert	763.67	764.31	X		
Length (feet)	78'	76.1'	X		Plastic pipe, no cracks.
Slope (%)	0.42	0.38	X		
Secondary Outlet Pipe	(If Applicable)				
Opening Diameter (inches)					
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
Riser	(If Applicable)				
Opening Diameter (inches)	10	10	X		Plastic Pipe, no visible cracks or defects.
Elevation	767.03	767.00	X		
Upper Discharge Control	(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 Yes	No	Comments
Lower Discharge Control	(If Applicable)				
Opening Diameter (inches)	10	10	X		Plastic pipe.
Elevation	764	764.60	X		
Other (Description)					
Opening Type and Size (inches)					
Elevation					
Emergency Spillway					
Elevation	768.00	768.05	X		
Length of spillway (feet)	10	17	X		
Embankment	Present Yes	no	Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation		X			
Animal burrows or slope erosion		X			
Storm Sewer Outfalls	Type & Size		Location		Comments
Outfall 1	12" CMP		SW OF POND		CULVERT PIPE
Outfall 2					
Outfall 3					
Storage Properties	Design	Actual	Compliant Yes	No	Equipment Used
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 $V=H/3(A1+A2+(A1 \times A2)/2)$

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



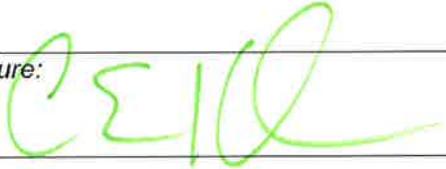


Attach As-built Survey to the Document for the first report submission

Inspection Firm: PINNACLE ENGINEERING
Phone Number: 262-754-8888
Address: 15850 W. BLUEMOUND RD
SUITE 210 BROOKFIELD WI
53005

Inspector Name : Aaron E Koch
Inspection Date: Aaron E Koch

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

Date: 12/3/16	Signature: 
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Affix Seal Here

10-3-2012

NOTE: PLANTINGS TO BE COMPLETED IN SPRING 2017.

