



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 Section 36	Name of Business/Subdivision	Fairchild Equipment
Property Tax ID Number	MNFV0143999 041	Address of Property	N52W13821 Northpark Dr
Date			Menomonee Falls, WI 53051
Dry Pond	<input checked="" type="checkbox"/>	Location of Pond	SE side of property
Wet Pond	<input type="checkbox"/>		
Other	<input type="checkbox"/>		
Pond ID:		SWP365007	

Year Pond Constructed 2016 Year of Last Certification 2016

Compliance Verification		Design	Actual	Compliant Yes	No	Comments (Condition of Structure)
Primary Outlet Pipe						Outlet Pipe Material -All elevations are based on vertical datum NGVD29. -See attached detail
Opening Diameter (inches)	10"	8"	HDPE		X	
Upstream Invert	764.60	764.54	X			
Downstream Invert	764.31	764.28	X			
Length (feet)	76.1'	76.1'	X			
Slope (%)	0.38%	0.34%	X			
Secondary Outlet Pipe		(If Applicable)			Outlet Pipe Material	
Opening Diameter (inches)						
Upstream Invert						
Downstream Invert						
Length (feet)						
Slope (%)						
Riser		(If Applicable)			Riser Material	
Opening Diameter (inches)	10"	8"		X	8" HDPE vertical pipe inside of 15" HDPE pipe	
Elevation	767.00	767.45		X		
Upper Discharge Control		(If Applicable)			Steel open grate on top of 15" HDPE pipe	
Opening Diameter (inches)	15"	15"	X			
Elevation	767.82	767.63	X			

Compliance Verification	Design	Actual	Compliant Yes No	Comments	
Lower Discharge Control	(If Applicable)				
Opening Diameter (inches)					
Elevation					
Other (Description)					
Opening Type and Size (inches)					
Elevation					
Emergency Spillway					
Elevation	768.00	768.31		X	Elevation is lowest elevation along the top of embankment. No defined spillway around the pond
Length of spillway (feet)	10'	-		X	Lowest elevation not located in design spillway location.
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		Southeast corner of pond		
Outfall 2					
Outfall 3					
Storage Properties	Design	Actual	Compliant Yes No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)				NA	GPS and Civil 3D
Design High Water Elevation	767.82	767.63		X	Rim elevation of outlet structure
Area at Normal Water Elevation (Ac) (Wet Ponds)				NA	
Area at Design High Water Elevation (Ac)	0.135	0.129	X		
Active Storage Available (Ac-Ft)*	0.438	0.415	X		
Lowest Elevation at Top of Embankment (If Applicable)	768.50	768.31	X		
Average Elevation at Top of Embankment (If Applicable)	768.50	768.75		X	
Maximum Bottom Elevation	766.00	765.83	X		
Average Pond Bottom Elevation	766.00	765.88	X		
Pond Bottom Area (Ac)	0.01	0.01	X		
Maximum Pond Depth	2.50'	2.48'	X		
Average Pond Depth	2.50'	2.43'	X		
Average Permanent Pool Depth (Wet Ponds)				NA	

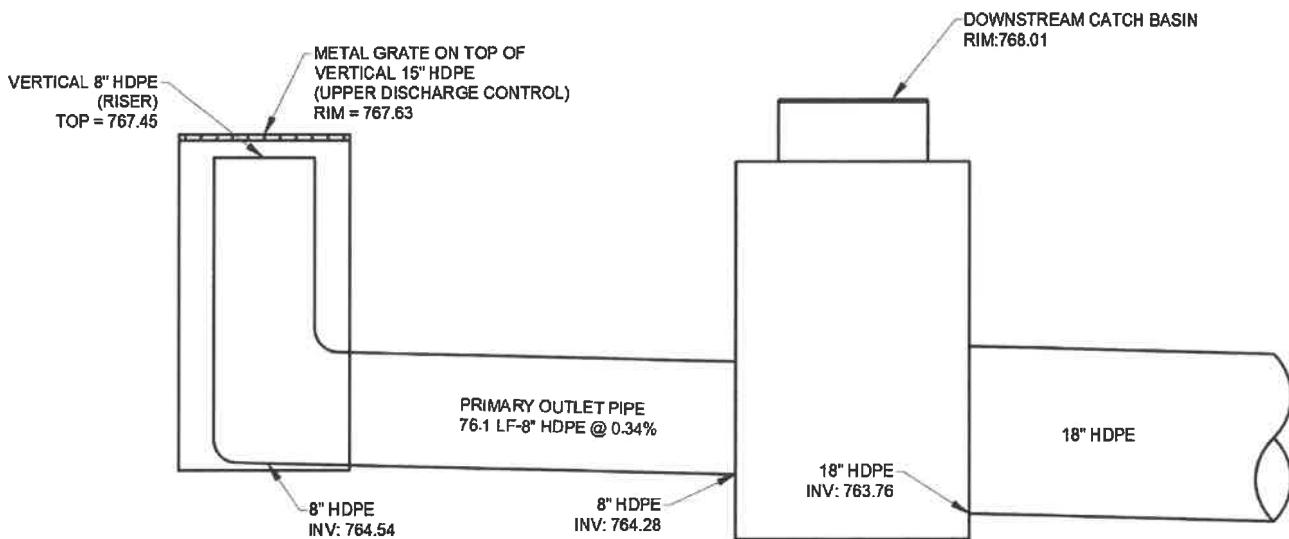
*To Determine Active Storage $V=(H/3)(A1+A2+(\sqrt{A1+A2}))$

Wet Ponds Use $H = \text{Height of Section}$, $A1 = \text{area at normal water elevation}$, $A2 = \text{area at top section}$

Dry Ponds Use $H = \text{Height of Section}$, $A1 = \text{pond bottom area}$, $A2 = \text{area at top section}$

-Pond depths measured from
lowest top of embankment
elevation

Sketch Outlet or Attach to Document



Not to Scale

See attached sheets for site photos

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

Inspection Firm: Ayres Associates
Phone Number: (262)-523-4488
Address: 20975 Swenson Drive
Suite 200
Waukesha WI, 53186

Inspector Name: Austin Johrendt
Inspection Date: 10/20/2021

Certifying Professional

Name: Austin Johrendt
Phone Number: (262)-523-4488

Date:	Signature:
Nov. 10, 2021	



Affix Seal Here



Dry detention basin outlet structure located at north side of the basin. Steel grate on top of vertical 15" CPP pipe with vertical 8" CPP inside.



Dry detention basin looking south with landscaping down the middle.



West side top of berm looking south.



12" CMP storm sewer outfall pipe located in the southeast corner of the detention basin.