



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 \_\_\_\_\_ Name of Business/Subdivision Jade at North Hills  
Property Tax ID Number MNFV00939 Address of Property N72W12727 Good Hope Road  
Date 3/12/2020 \_\_\_\_\_

Dry Pond	
Wet Pond	
Other	X

Pond ID: Underground  
Stormwater Vault  
System (StormTrap)  
SWP24N012

Location of Pond Below parking lot  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Year Pond Constructed 2018 Year of Last Certification 2020

Compliance Verification	Design	Actual	Compliant Yes No	Comments ( Condition of Structure)
<b>Primary Outlet Pipe</b>				<b>Outlet Pipe Material</b>
Opening Diameter (inches)	12	12	X	HDPE connecting vault to outlet control structure
Upstream Invert	802.50	802.58	X	
Downstream Invert	802.40	802.24	X	
Length (feet)	29	29	X	
Slope (%)	0.35	1.17	X	
<b>Secondary Outlet Pipe</b>	(If Applicable)			<b>Outlet Pipe Material</b>
Opening Diameter (inches)	na	na		
Upstream Invert	na	na		
Downstream Invert	na	na		
Length (feet)	na	na		
Slope (%)	na	na		
<b>Riser</b>	(If Applicable)			<b>Riser Material</b>
Opening Diameter (inches)	60	60	X	Concrete Outlet Control Structure
Elevation	811.60	811.68	X	
<b>Upper Discharge Control</b>	(If Applicable)			
Opening Diameter (inches)	4.65	4.65	X	
Elevation	805.00	805.04	X	

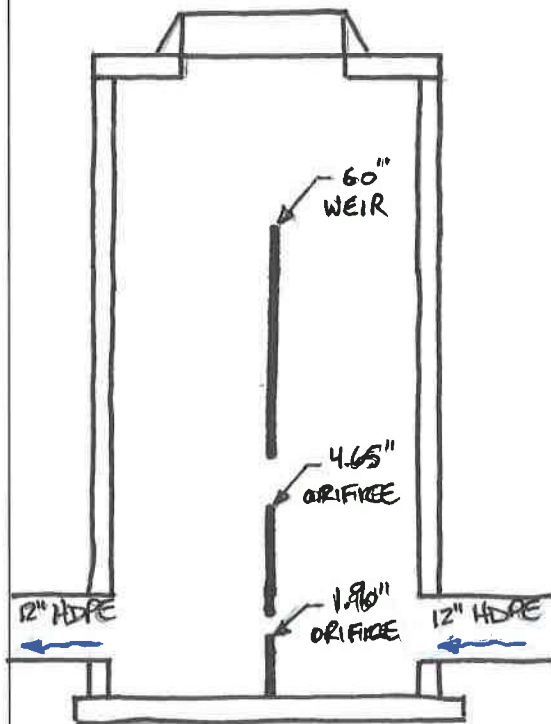
Compliance Verification	Design	Actual	Compliant Yes No		Comments	
<b>Lower Discharge Control</b>	(If Applicable)					
Opening Diameter (inches)	1.90	1.90	X			
Elevation	802.50	802.58	X			
<b>Other (Description)</b>						
Opening Type and Size (inches)	na	na				
Elevation						
<b>Emergency Spillway</b>						
Elevation	809.50	809.54	X		Steel Weir Plate	
Length of spillway (feet)	5	5	X			
<b>Embankment</b>	Present Yes no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation		na				
Animal burrows or slope erosion		na				
<b>Storm Sewer Outfalls</b>	Type & Size		Location		Comments	
Outfall 1	na					
Outfall 2	na					
Outfall 3	na					
<b>Storage Properties</b>	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	802.50	802.58	X			
Design High Water Elevation	809.49	809.54	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.0113	0.0113	X			
Area at Design High Water Elevation (Ac)	0.150	0.150	X			
Active Storage Available (Ac-Ft)*	1.056	1.050	X			
Lowest Elevation at Top of Embankment (If Applicable)	na	na				
Average Elevation at Top of Embankment (If Applicable)	na	na				
Maximum Bottom Elevation	799.00	799.08	X			
Average Pond Bottom Elevation	799.00	799.08	X			
Pond Bottom Area (Ac)	0.0113	0.0113	X			
Maximum Pond Depth	10.50'	10.46'	X			
Average Pond Depth	10.50'	10.46'	X			
Average Permanent Pool Depth (Wet Ponds)	3.50'	3.50'	X			

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

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,  $A_1$  = pond bottom area,  $A_2$  = area at top section

Sketch Outlet or Attach to Document



Please see attached photos

Please see attached photos

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

Inspection Firm: The Expeditors, Inc.  
Phone Number: 139 N. Main Street  
Address: Dousman, WI 53118

Inspector Name: Jeff Leamy / Patrick Hartung  
Inspection Date: 03/12/2020

Certifying Professional  
Name: Christopher D. Hitch, P.E.  
Phone Number: 262-781-1000



Date:  
2.10.2021

Signature:

Affix Seal Here

**Jade at North Hills – Village of Menomonee Falls**

Photos taken during installation: March 13-15, 2018





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