



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
 Property Tax ID Number

MNFV00939
 75002

Name of Business/Subdivision
 Address of Property

Jade at North Hills
 N72W12727 Good Hope Road

Date 3/12/2020

Dry Pond		Pond ID: Underground Stormwater Vault System (StormTrap) SWP24N012	Location of Pond	Below parking lot
Wet Pond				
Other	X			

Year Pond
 Constructed

2018

Year of Last
 Certification

2020

Compliance Verification	Design	Actual	Compliant Yes	Comments (Condition of Structure)
Primary Outlet Pipe	(If Applicable)			Outlet Pipe Material
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	
Secondary Outlet Pipe	(If Applicable)			Outlet Pipe Material
Opening Diameter (inches)	na	na		
Upstream Invert	na	na		
Downstream Invert	na	na		
Length (feet)	na	na		
Slope (%)	na	na		
Riser	(If Applicable)			Riser Material
Opening Diameter (inches)	60	60	X	Concrete Outlet Control Structure
Elevation	811.60	811.68	X	
Upper Discharge Control	(If Applicable)			
Opening Diameter (inches)	4.65	4.65	X	
Elevation	805.00	805.04	X	

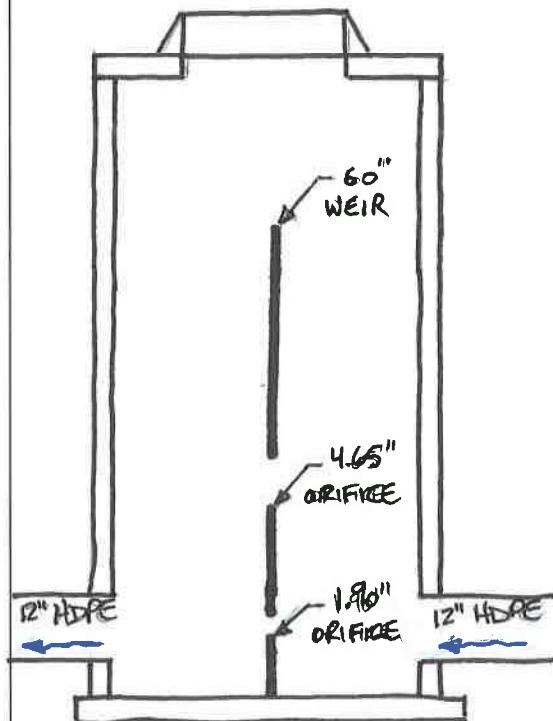
Compliance Verification	Design	Actual	Compliant Yes No	Comments				
Lower Discharge Control	(If Applicable)							
Opening Diameter (inches)	1.90	1.90	X					
Elevation	802.50	802.58	X					
Other (Description)								
Opening Type and Size (inches)	na	na						
Elevation								
Emergency Spillway								
Elevation	809.50	809.54	X		Steel Weir Plate			
Length of spillway (feet)	5	5	X					
Embankment	Present Yes no		Comments/Maintenance Requirements					
Unauthorized Plantings, trees, or woody vegetation		na						
Animal burrows or slope erosion		na						
Storm Sewer Outfalls	Type & Size		Location		Comments			
Outfall 1	na							
Outfall 2	na							
Outfall 3	na							
Storage Properties	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 $V=(H/3)(A1+A2+(\sqrt{(A1+A2)}))$

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: Christopher D. Hitch



Affix Seal Here

Jade at North Hills – Village of Menomonee Falls
Photos taken during installation: March 13-15, 2018



Jade at North Hills – Village of Menomonee Falls
Photos taken during installation: March 13-15, 2018

