



November 2, 2021

Chris Gariepy
Village of Menomonee Falls
W156 N8480 Pilgrim Road
Menomonee Falls, Wisconsin 53051

Willow Springs School Stormwater Facilities Inspection and Recertification
W220 N6660 Town Line Road
Menomonee Falls, Wisconsin 53051

Dear Mr. Gariepy:

Kapur has completed the inspection and certification of the onsite detention facility and associated piping/structures. No sediment or debris was noted in the bottom of the detention basin during inspection. Survey data confirms that no significant sedimentation has occurred and that the critical elevations of the basin are nearly identical to the designed elevations. Therefore, the capacity also is the same from the original design and SWMP. The detention basin, including all piping and structures, is in excellent condition and is functioning properly.

Please feel free to contact me if you have any comments or questions regarding this certification.

Thank You,

KAPUR & ASSOCIATES, INC.

A handwritten signature in dark ink that reads "Chris Sberna". The signature is written in a cursive, flowing style.

Chris Sberna, P.E.
Project Engineer

Enclosure



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 ¼ Sec 19 Name of Business/Subdivision Willow Springs School
Property Tax ID Number MNFV0075999 Address of Property W220N6660 Town Line Road
Date 11/2/2021 001 Menomonee Falls, WI 53051

Dry Pond	X
Wet Pond	
Other	

Location of Pond SE Corner of Property
Pond ID: SWP19S001

Year Pond Constructed 2005 Year of Last Certification 2016

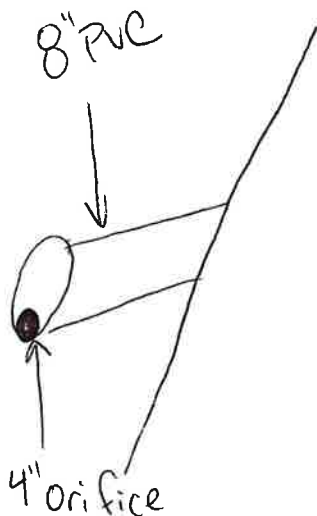
Compliance Verification	Design	Actual	Compliant Yes No		Comments (Condition of Structure)
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	8"	8"	X		-PVC
Upstream Invert	860	859.26	X		
Downstream Invert	Unknown	857.78	X		
Length (feet)	Unknown	31	X		
Slope (%)	Unknown	4.71%	X		
Secondary 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)	4"	4"	X		-PVC Cap with 4" orifice over 8" PVC Pipe
Elevation	860	859.24	X		
Upper Discharge Control	(If Applicable)				
Opening Diameter (inches)					
Elevation					

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	862.00	862.11	X			
Length of spillway (feet)	NA	43'	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	8" PVC		Outfall Structure			
Outfall 2						
Outfall 3						
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	NA					-Survey level and Rod was used to verify pond bottom and top embankment elevations. 6 elevation shots were recorded and averaged. -See attached survey elevations -Average Embankment Elevation and Average Pond Bottom Elevations indicate that the pond was built per SWMP and capacity of the pond is compliant with original SWMP.
Design High Water Elevation	861.23	861.63				
Area at Normal Water Elevation (Ac) (Wet Ponds)	NA	NA				
Area at Design High Water Elevation (Ac)	NA	0.503				
Active Storage Available (Ac-Ft)*	.78	.984				
Lowest Elevation at Top of Embankment (If Applicable)	863.00	863.29				
Average Elevation at Top of Embankment (If Applicable)	863.00	863.57				
Maximum Bottom Elevation	860.00	859.33				
Average Pond Bottom Elevation	860.00	859.65				
Pond Bottom Area (Ac)	NA	0.20				
Maximum Pond Depth	3'	3.96'				
Average Pond Depth	3'	3.92'				
Average Permanent Pool Depth (Wet Ponds)		NA				

*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

Sketch Outlet or Attach to Document



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

Inspection Firm: Kapur
Phone Number: 414-751-7205
Address: 7711 N. Port Washington Rd
Milwaukee, WI 53217

Inspector Name : Chris Sberna
Inspection Date: 10/1/21

Certifying Professional
Name: Chris Sberna
Phone Number: 414-751-7205



Date:

11/2/21

Signature:

Affix Seal Here

DESC	+	HI	-	Elev	Plan
8" IE IN	5.23	864.49			859.26
8" IE OUT			6.71	857.78	857.82
Pond Bottom			4.63	859.86	
			4.45	860.04	
	Avg:		5.05	859.44	
	859.65		4.82	859.67	
			4.91	859.58	
			5.16	859.33	
Top Bank			1.20	863.29	
			0.65	863.84	
	Avg:		1.12	863.37	
	863.57		0.70	863.79	
			0.80	863.69	
			1.02	863.47	
Spillway	Avg:		2.40	862.09	
	862.11		2.37	862.12	