



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
Date 10/08/2020

SW 1/4 Sec 33 Name of Business/Subdivision
0131064 Address of Property
Cranes Crossing
N48 W18200 Lisbon Road

Dry Pond	
Wet Pond	X
Other	

Pond ID: SWP 33s002
Temporary Pond P4

Location of
Pond

North end of Emerald Hills Drive

Year Pond
Constructed

2006

Year of Last
Certification

2016

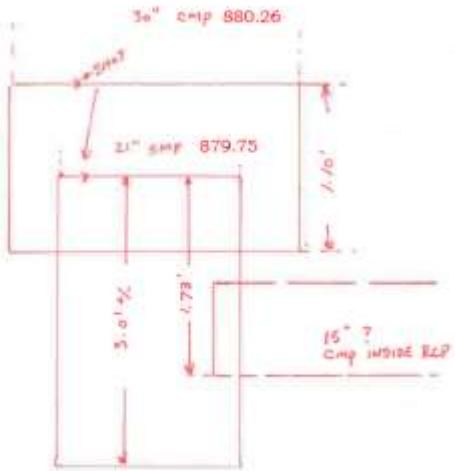
Compliance Verification	Design	Actual	Compliant Yes	No	Comments (Condition of Structure)
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	15"	15"	X		CMP stub into RCP
Upstream Invert	878.00	877.98	X		
Downstream Invert	877.88	877.81		X	Downstream pipe appears to be blocked. Downstream MH full of water.
Length (feet)	32.03	34.9	X		
Slope (%)	0.381	0.49	X		
Secondary Outlet Pipe	(If Applicable)				Outlet Pipe Material
Opening Diameter (inches)					Not Applicable (NA)
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
Riser	(If Applicable)				Riser Material
Opening Diameter (inches)	18"	21"		X	Corrugated Metal Pipe with rebar trash grate
Elevation	879.75	879.75	X		
Upper Discharge Control	(If Applicable)				
Opening Diameter (inches)					NA
Elevation					

Compliance Verification	Design	Actual	Compliant Yes	No	Comments
Lower Discharge Control	(If Applicable)				
Opening Diameter (inches)	2-4" dia.			X	Cannot determine – underwater and not visible.
Elevation	878.00			X	
Other (Description)					
Opening Type and Size (inches)					NA
Elevation					
Emergency Spillway					
Elevation	885.75	885.4±	X		
Length of spillway (feet)	12.0	17±	X		
Embankment	Present Yes		Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation	X		Woody vegetation adjacent to outlet structure and riser structure full of debris.		
Animal burrows or slope erosion	X				
Storm Sewer Outfalls	Type & Size		Location		Comments
Outfall 1	V-channel		SW corner		Remove woody vegetation
Outfall 2	24" RCP		South side		Pipe in good condition, restore displaced riprap
Outfall 3	21" RCP		SE corner		Pipe in good condition, remove woody vegetation
Storage Properties	Design	Actual	Compliant Yes	No	Equipment Used
Normal Water Elevation (Wet Ponds)	878.00	879.10	X		Total station & GPS
Design High Water Elevation	885.75	885.4	X		
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.5160	0.59	X		
Area at Design High Water Elevation (Ac)	1.0565	1.03	X		
Active Storage Available (Ac-Ft)*	4.7664	4.04		X	
Lowest Elevation at Top of Embankment (If Applicable)	885.0	885.2	X		
Average Elevation at Top of Embankment (If Applicable)	886.25	886.3	X		
Maximum Bottom Elevation	871.0	871.31	X		
Average Pond Bottom Elevation	871.0	872.0	X		
Pond Bottom Area (Ac)	0.1598	0.151	X		
Maximum Pond Depth	7.0	7.9	X		From observed water level
Average Pond Depth	7.0	7.2	X		
Average Permanent Pool Depth (Wet Ponds)	7.0	7.2	X		
*To Determine Active Storage $V=H/3(A1+A2+(A1xA2)/2)$					HyDrone-Remote Control Survey Boat Platform

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

Sketch Outlet or Attach to Document



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

Inspection Firm: R.A. Smith, Inc.

Phone Number: 262-781-1000

Address: 16745 W. Bluemound Road

Brookfield, WI 53005

Inspector Name : Riley Stone

Inspection Date: September 22, 2020

Certifying Professional

Name: _____

Phone Number: 262-317-3369

1996-1997
1997-1998

Date: October 8, 2020	Signature: 
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