



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: 8/17/2021

SE1/4, Sec 24  
0096131  
Name of Business/Subdivision  
Address of Property  
Lilly Creek Highlands IV

Dry Pond		Location of Pond	Outlet 9 – Pond #2
Wet Pond	X		
Other			

Year Pond Constructed 2006 Year of Last Certification 2016

Compliance Verification		Design	Actual	Compliant Yes	No	Comments (Condition of Structure)	
<b>Primary Outlet Pipe</b>						Outlet Pipe Material	
Opening Diameter (inches)	12"	12"	X				
Upstream Invert	775.00	775.21	X				
Downstream Invert	774.60	774.70	X				
Length (feet)	96	95	X				
Slope (%)	0.42%	0.54%	X				
<b>Secondary Outlet Pipe</b>		(If Applicable)			Outlet Pipe Material		
Opening Diameter (inches)							
Upstream Invert							
Downstream Invert							
Length (feet)							
Slope (%)							
<b>Riser</b>		(If Applicable)			Riser Material		
Opening Diameter (inches)	24"x36"	24"x36"	X		Riser is a concrete structure with a metal trash grate		
Elevation	780.00	780.15	X				
<b>Upper Discharge Control</b>		(If Applicable)					
Opening Diameter (inches)	4" wide	4" wide	X		Discharge control is a 4" wide weir, 24" long		
Elevation	777.75	777.95	X		Weir is in good condition and operating as intended		

Compliance Verification	Design	Actual	Compliant Yes	No	Comments	
<b>Lower Discharge Control</b>	(If Applicable)					
Opening Diameter (inches)	6"	6"	X		Orifice is in good condition and operating as intended.	
Elevation	775.00	775.21	X			
<b>Other (Description)</b>						
Opening Type and Size (inches)						
Elevation						
<b>Emergency Spillway</b>						
Elevation	780.50	780.51	X			
Length of spillway (feet)	20'	18'	X		Some weedy vegetation growing, spray or hand remove	
<b>Embankment</b>	Present Yes      no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation		X				
Animal burrows or slope erosion		X				
<b>Storm Sewer Outfalls</b>	Type & Size		Location		Comments	
Outfall 1	RCP. 15"		Northwest Corner		Sediment accumulation at end of pipe blocking water from entering pond, remove sediment and replace with riprap	
Outfall 2	RCP, 15"		Southwest Corner		Endwall starting to break away from main pipe. Excavate around endwall and re-attach endwall, riprap is in good condition and shall remain	
Outfall 3						
Storage Properties	Design	Actual	Compliant Yes	No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	775.00	775.37	X			Drone technology and laser level To determine elevations and contours
Design High Water Elevation	781.00	781.00	X			HydroCAD 10.0 to determine areas and pond volumes
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.24 AC	0.21 ac	X			
Area at Design High Water Elevation (Ac)	0.54 ac	0.51 ac	X			
Active Storage Available (Ac-Ft)*	2.25	2.28	X			
Lowest Elevation at Top of Embankment (If Applicable)	781.50	781.50	X			
Average Elevation at Top of Embankment (If Applicable)	781.50	781.75	X			
Maximum Bottom Elevation	770.00	770.87	X			
Average Pond Bottom Elevation	770.00	770.42	X			
Pond Bottom Area (Ac)	0.04	.05	X			
Maximum Pond Depth	5.0 ft	5.4 ft	X			
Average Pond Depth	5.0 ft	4.95 ft	X			

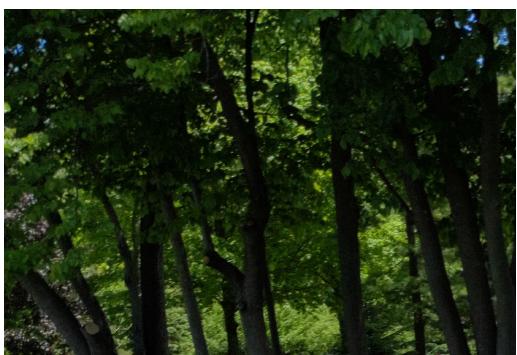
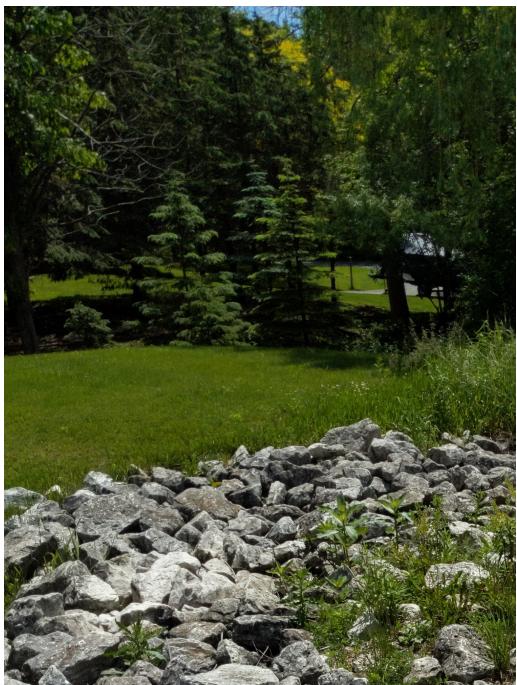
Average Permanent Pool Depth (Wet Ponds)	5.0 ft	4.95 ft	X		
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\*To Determine Active Storage  $V=(H/3)(A_1+A_2+(\sqrt{A_1A_2}))$

Wet Ponds Use  $H$  = Height of Section,  $A_1$  = area at normal water elevation,  $A_2$  = 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



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*Endwall at southwest corner that is breaking off*



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

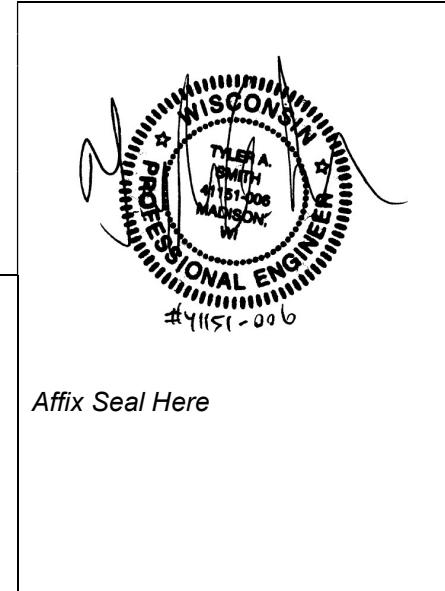
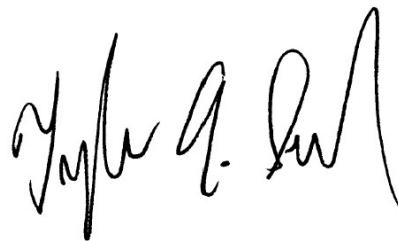
Inspection Firm: Drainage Doctor, LLC  
Phone Number: 608.535.9380  
Address: 416 W Red Pine Circle  
Dousman, WI 53118

Inspector Name : Tyler Smith, PE  
Inspection Date: 06.01.2021

Certifying Professional Tyler Smith, PE  
Name: \_\_\_\_\_  
Phone Number: 608.535.9380

Date: 08.17.2021

Signature:



Affix Seal Here

10-3-2012