



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	X	Pond ID: SWP24s006	Location of Pond	Outlet 9 – Pond #4
Wet Pond				Rain Garden
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 Outlet pipe material is RCP.  RCP is in good condition and no evidence of sediment accumulation within pipe, appears to be operating as originally intended.	
Opening Diameter (inches)	12"	12"	X			
Upstream Invert	776.19	775.85	X			
Downstream Invert	775.24	775.20	X			
Length (feet)	24	25	X			
Slope (%)	1.04%	2.60%	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	777.30	777.09	X			
<b>Upper Discharge Control</b>		(If Applicable)				
Opening Diameter (inches)						
Elevation						

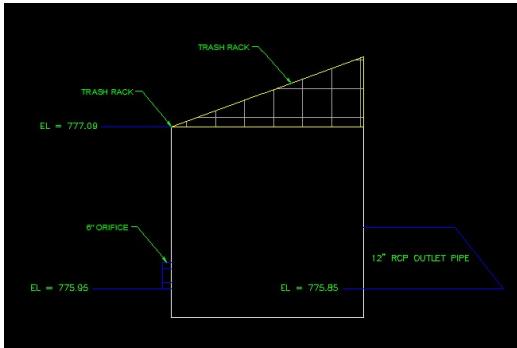
Compliance Verification	Design	Actual	Compliant Yes      No		Comments
<b>Lower Discharge Control</b>	(If Applicable)				
Opening Diameter (inches)	6"	6"	X		Orifice is in good condition and operating as intended.
Elevation	776.00	775.95	X		
<b>Other (Description)</b>					
Opening Type and Size (inches)					
Elevation					
<b>Emergency Spillway</b>					
Elevation	777.25	776.95	X		
Length of spillway (feet)	10'	10'	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					
Outfall 2					
Outfall 3					
Storage Properties	Design	Actual	Compliant Yes      No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)					Drone technology and laser level To determine elevations and contours
Design High Water Elevation	778.00	777.95	X		
Area at Normal Water Elevation (Ac) (Wet Ponds)					HydroCAD 10.0 to determine areas and pond volumes
Area at Design High Water Elevation (Ac)	0.07 ac	0.05 ac	X		
Active Storage Available (Ac-Ft)*	0.09	0.06	X		
Lowest Elevation at Top of Embankment (If Applicable)	778.00	778.00	X		
Average Elevation at Top of Embankment (If Applicable)	778.00	778.13	X		
Maximum Bottom Elevation	776.00	776.00	X		Pond bottom has been mowed and appears to be maintained appropriately.
Average Pond Bottom Elevation	776.00	776.00	X		Continue to mow basin twice per year to a height of approximately 6".
Pond Bottom Area (Ac)	0.04	0.01	X		
Maximum Pond Depth					
Average Pond Depth					
Average Permanent Pool Depth (Wet Ponds)					

\*To Determine Active Storage  $V=(H/3)(A_1+A_2+(\sqrt{A_1A_2}))$

Wet Ponds Use  $H = \text{Height of Section}$ ,  $A_1 = \text{area at normal water elevation}$ ,  $A_2 = \text{area at top section}$

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

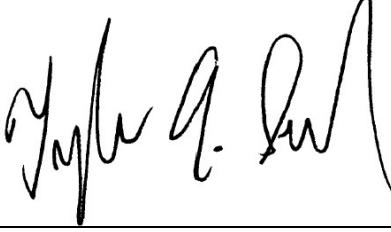
Inspection Firm: Drainage Doctor, LLC  
Phone Number: 608.535.9380  
Address: 416 W Red Pine Circle  
Dousman, WI 53118

Inspector Name : Tyler Smith, PE  
Inspection Date: 06.01.2021

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

Affix Seal  
Here



Date: 08.17.2021	Signature: 
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10-3-2012