



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 SE 1/4 SEC. 24 Name of Business/Subdivision Lilly Creek Highlands IV  
Property Tax ID Number 0096131 Address of Property \_\_\_\_\_  
Date: 7-26-2016

Dry Pond		Location of Pond	Outlot 10
Wet Pond	X		
Other		Pond ID: <u>Pond 3</u>	

Year Pond Constructed 2006 Year of Last Certification 2011

Compliance Verification		Design	Actual	Compliant Yes	No	Comments ( Condition of Structure)
<b>Primary Outlet Pipe</b>		Outlet Pipe Material = RCP				
Opening Diameter (inches)	12"	12"	X			
Upstream Invert	778.0	778.09	X			
Downstream Invert	777.7	777.98	X			
Length (feet)	133	134	X			
Slope (%)	.0023',	0.0010',	X			
<b>Secondary Outlet Pipe</b>		Outlet Pipe Material				
Opening Diameter (inches)						
Upstream Invert						
Downstream Invert						
Length (feet)						
Slope (%)						
<b>Riser</b>		Riser Material				
Opening Diameter (inches)	24"X36"	24"X36"	X			
Elevation	781.9	782.0	X			
<b>Upper Discharge Control</b>						
Opening Diameter (inches)						
Elevation						

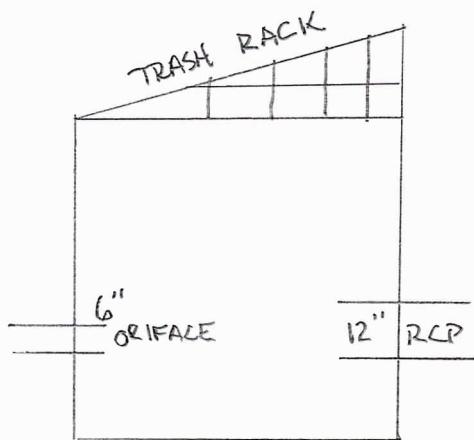
Compliance Verification	Design	Actual	Compliant Yes	No	Comments	
<b>Lower Discharge Control</b>	(If Applicable)					
Opening Diameter (inches)						
Elevation						
<b>Other (Description)</b>						
Opening Type and Size (inches)	4.5"	6"	X			
Elevation	778.0	778.09	X			
<b>Emergency Spillway</b>						
Elevation	781.75	781.7	X			
Length of spillway (feet)	10'	20'	X			
<b>Embankment</b>	Present Yes      no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	X		Willow trees near outfall pipe and all 3 corners along south line.			
Animal burrows or slope erosion		X				
<b>Storm Sewer Outfalls</b>	Type & Size		Location		Comments	
Outfall 1	15" RCP		South corner of pond		Cleanout outfall-full of debris	
Outfall 2						
Outfall 3						
<b>Storage Properties</b>	Design	Actual	Compliant Yes	No	Points	Equipment Used
Normal Water Elevation (Wet Ponds)	778.0	778.09	X			
Design High Water Elevation	782.0	782.0	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.09 AC.	0.09 AC.	X			
Area at Design High Water Elevation (Ac)	0.16 AC.	0.16 AC.	X			
Active Storage Available (Ac-Ft)*	0.51	0.50	X			
Lowest Elevation at Top of Embankment (If Applicable)	782.0	782.1	X			
Average Elevation at Top of Embankment (If Applicable)	782.0	782.2	X			
Maximum Bottom Elevation	773.0	773.3	X			
Average Pond Bottom Elevation	773.0	773.1	X			
Pond Bottom Area (Ac)	0.01 AC.	0.01 AC.	X			
Maximum Pond Depth	5.0	5.2	X			
Average Pond Depth						
Average Permanent Pool Depth (Wet Ponds)	5.0	5.0	X			

\*To Determine Active Storage  $V=H/3(A1+A2+(A1 \times A2)/2)$

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: Land Tech Surveying  
Phone Number: 262-367-7599  
Address: PO Box 15  
Hartland, WI 53029

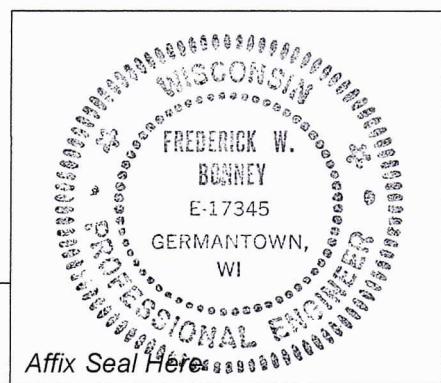
Inspector Name: John Downing  
Inspection Date: 7-25-2016

Certifying Professional

Name: Frederick Bonney  
Phone Number: 262-255-5845

Date: 7-25-2016

Signature



10-3-2012