



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 9
Wet Pond	X		
Other		Pond ID:	Pond 2

Year Pond Constructed 2006 Year of Last Certification 2011

Compliance Verification		Design	Actual	Compliant Yes	No	Comments (Condition of Structure)
Primary Outlet Pipe		Outlet Pipe Material = RCP				
Opening Diameter (inches)		12"	12"	X		
Upstream Invert		775.0	776.30	X		
Downstream Invert		774.6	774.0	X		
Length (feet)		96	97	X		
Slope (%)		.00042',	0.0134',	X		
Secondary Outlet Pipe		Outlet Pipe Material				
Opening Diameter (inches)						
Upstream Invert						
Downstream Invert						
Length (feet)						
Slope (%)						
Riser		Riser Material				
Opening Diameter (inches)		24"X36"	24"X36"	X		
Elevation		780.0	780.16	X		
Upper Discharge Control						
Opening Diameter (inches)		4"	4"	X		4" Rectangular Wier
Elevation		777.75	777.96	X		

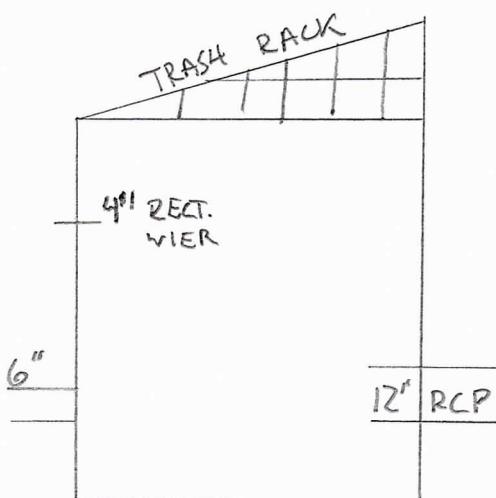
Compliance Verification	Design	Actual	Compliant Yes	No	Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)						
Elevation						
Other (Description)						
Opening Type and Size (inches)	5.3"	6"	X			
Elevation	775.0	775.30	X			
Emergency Spillway						
Elevation	780.5	780.5	X			
Length of spillway (feet)	20'	18'	X			
Embankment	Present Yes no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation		X	Erosion along East embankment			
Animal burrows or slope erosion	X					
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1	15" RCP		NW Corner of pond		Needs to be cleaned out	
Outfall 2	15" RCP		SW corner of pond			
Outfall 3						
Storage Properties	Design	Actual	Compliant Yes	No	Points	Equipment Used
Normal Water Elevation (Wet Ponds)	775.0	775.2	X			
Design High Water Elevation	781.0	781.0	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.24 AC.	0.24 AC.	X			
Area at Design High Water Elevation (Ac)	0.54 AC.	0.54 AC.	X			
Active Storage Available (Ac-Ft)*	2.25	2.24	X			
Lowest Elevation at Top of Embankment (If Applicable)	781.5	781.5	X			
Average Elevation at Top of Embankment (If Applicable)	781.5	781.6	X			
Maximum Bottom Elevation	770.0	770.0	X			
Average Pond Bottom Elevation	770.0	769.9	X			
Pond Bottom Area (Ac)	0.04 AC.	0.04 AC.	X			
Maximum Pond Depth	5.0	5.3	X			
Average Pond Depth	5.0	5.3	X			
Average Permanent Pool Depth (Wet Ponds)						

*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

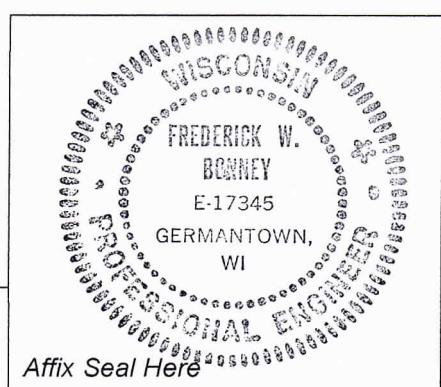
Inspection Firm: Land Tech Surveying
Phone Number: 262-367-7599
Address: PO Box 15
Hartland, WI 53029

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

Certifying Professional

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

Date: <u>7-25-2016</u>	Signature: <u>Frederick Bonney</u>
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10-3-2012