



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 ¼ SEC. 24 Name of Business/Subdivision Lilly Creek Highlands IV
 Property Tax ID Number 0096131 Address of Property _____
 Date: 7-26-2016 _____

Dry Pond	
Wet Pond	X
Other	

Location of Pond Outlot 9

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	(If Applicable)				Outlet Pipe Material
Opening Diameter (inches)					
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
Riser	(If Applicable)				Riser Material
Opening Diameter (inches)	24"X36"	24"X36"	X		
Elevation	780.0	780.16	X		
Upper Discharge Control	(If Applicable)				
Opening Diameter (inches)	4"	4"	X		4" Rectangular Wier
Elevation	777.75	777.96	X		

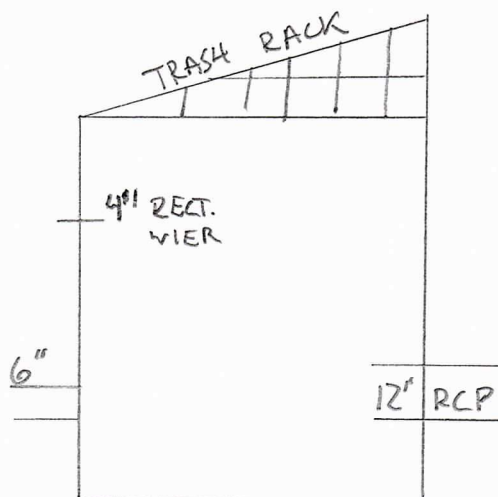
Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)						
Elevation						
Other (Description)						
Opening Type and Size (inches)	5.3"	6"	X			
Elevation	775.0	775.30	X			
Emergency Spillway						
Elevation	780.5	780.5	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 $V = H/3(A1 + A2 + (A1 \times A2)^{1/2})$

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

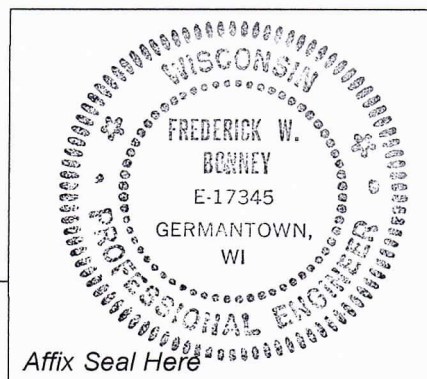
Inspector Name : John Downing
Inspection Date: 7-25-2016

Certifying Professional

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

Date: 7-25-2016

Signature: Frederick Bonney



10-3-2012