



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 Name of Business/Subdivision Lilly Creek Highlands II  
 Property Tax ID Number 0096084 Address of Property \_\_\_\_\_  
 Date 07-16-18 \_\_\_\_\_

Dry Pond	
Wet Pond	x
Other	

Pond ID: SWP24S003

Location of Pond \_\_\_\_\_  
 Out lot #4 \_\_\_\_\_  
 Pond #3 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

Year Pond Constructed 2002 Year of Last Certification 2013

Compliance Verification	Design	Actual	Compliant Yes    No		Comments ( Condition of Structure)
<b>Primary Outlet Pipe</b>					Outlet Pipe Material
Opening Diameter (inches)	24	24	x		RCP in good shape
Upstream Invert	760.0	759.82	x		
Downstream Invert	758.25	758.10	x		
Length (feet)	252	307	x		
Slope (%)	0.50	0.56	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)	36	36			CMP in good shape
Elevation	762.0	762.75			
<b>Upper Discharge Control</b>	(If Applicable)				
Opening Diameter (inches)					
Elevation					

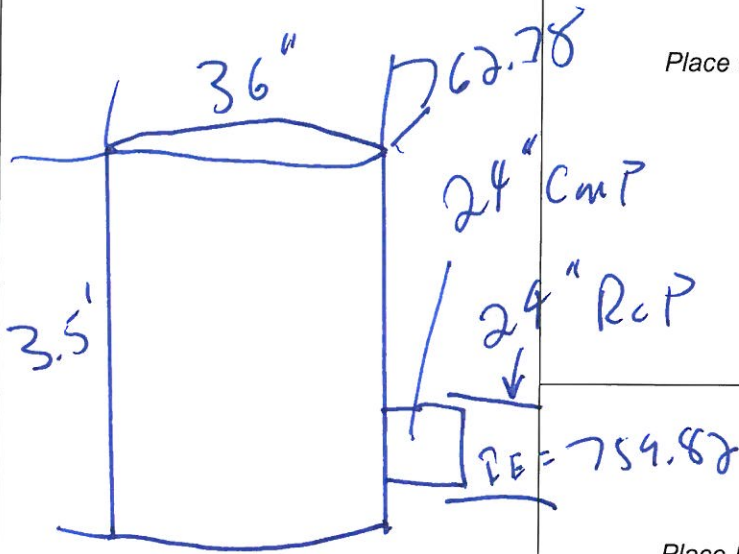
Compliance Verification	Design	Actual	Compliant Yes No		Comments	
<b>Lower Discharge Control</b>	(If Applicable)					
Opening Diameter (inches)						
Elevation						
<b>Other (Description)</b>						
Opening Type and Size (inches)						
Elevation						
<b>Emergency Spillway</b>						
Elevation	na	na			Low point in grass = 769.94	
Length of spillway (feet)	na	na				
<b>Embankment</b>	Present Yes no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	x		Most of the woody vegetation has been removed but cattails have overtaken the safety shelf. Does not appear to impede the function of the basin			
Animal burrows or slope erosion	x					
<b>Storm Sewer Outfalls</b>	Type & Size		Location		Comments	
Outfall 1	24" RCP		NW corner of out lot		Good shape	
Outfall 2	21" RCP		North end of out lot		Good Shape	
Outfall 3	24" RCP		NE corner of outlet		Good shape	
Outfall 4	21" RCP		Between lots 62 & 63		Good shape	
Outfall 5	12" RCP		SE corner of outlet		Good shape	
<b>Storage Properties</b>	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	760.0	759.82	x			gps
Design High Water Elevation	770.0	770.0	x			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.42	0.36	x			
Area at Design High Water Elevation (Ac)	1.0	0.95	x			
Active Storage Available (Ac-Ft)*	6.96	6.7	x			
Lowest Elevation at Top of Embankment (If Applicable)	769.5	769.94	x			
Average Elevation at Top of Embankment (If Applicable)	769.5	770+	x			
Maximum Bottom Elevation	756.0	757.42		x		
Average Pond Bottom Elevation	756.0	757.62		x		
Pond Bottom Area (Ac)	0.18	0.11		x		
Maximum Pond Depth	14.0	12.58		x		
Average Pond Depth	14.0	12.38		x		
Average Permanent Pool Depth (Wet Ponds)	4.0	2.2		x		

\*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



Place Photograph of Pond or Attach to Document

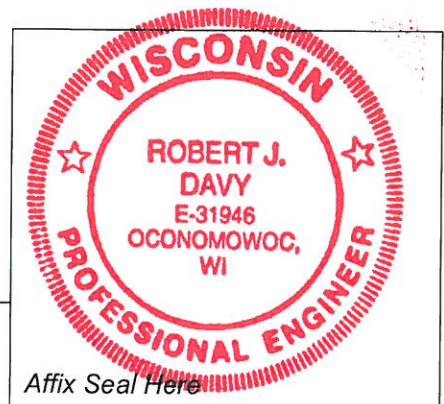
Place Photograph of Pond or Attach to Document

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

Inspection Firm: Lake Country Engineering  
Phone Number: 262-569-9331  
Address: P.O. Box 144  
Oconomowoc WI 53066

Inspector Name : Rob Davy  
Inspection Date: 07-16-18

Certifying Professional Name: Robert Davy  
Phone Number: 262-569-9331



Date:

7-17-18

Signature:

