



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 II
Property Tax ID Number 0096085 Address of Property _____
Date 7-17-18 _____

Dry Pond	☐
Wet Pond	☒
Other	☐

Location of Pond Outlot 5 Pond #1

Pond ID: SWP24S001

Year Pond Constructed 2002 Year of Last Certification 2013

Compliance Verification	Design	Actual	Compliant Yes No		Comments (Condition of Structure)
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	15"	15"	x		in good shape
Upstream Invert	767.00	767.08	x		
Downstream Invert	766.50	766.34	x		
Length (feet)	93	93	x		
Slope (%)	.54%	0.80%	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)	36"	36"	x		Clean debris off top, but riser in good shape
Elevation	769.00	769.92	x		
Upper Discharge Control	(If Applicable)				
Opening Diameter (inches)	N/A				
Elevation	N/A				

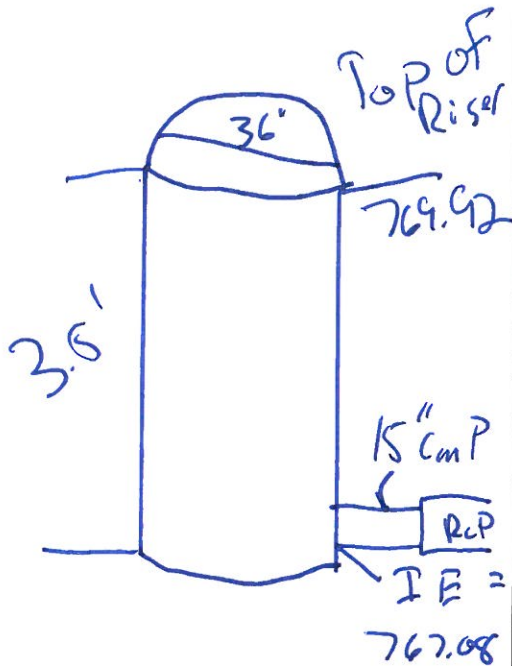
Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	N/A					
Elevation	N/A					
Other (Description)						
Opening Type and Size (inches)	N/A					
Elevation	N/A					
Emergency Spillway						
Elevation	777.5	776.9	x			
Length of spillway (feet)	10	10	x			
Embankment	Present Yes no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	x		Most woody vegetation gone, can see stumps, cattails growing on safety shelf, minor erosion on banks, does not appear to hinder the function of basin			
Animal burrows or slope erosion		x				
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1	30" RCP		Between lots 69&70		Good shape rip-rap clean	
Outfall 2	30" RCP		Between lots 72&73		Good shape rip-rap clean	
Outfall 3	15" RCP		Between lots 87& 88		Pipe in good shape, but rip-rap needs work (see inspection report)	
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	767.0	767.08	x			
Design High Water Elevation	778.0	778	x			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.44	0.54	x			
Area at Design High Water Elevation (Ac)	1.53	1.56	x			
Active Storage Available (Ac-Ft)*	11.44	11.55	x			
Lowest Elevation at Top of Embankment (If Applicable)	777.5	776.9	x			
Average Elevation at Top of Embankment (If Applicable)	778.0	778+	x			
Maximum Bottom Elevation	762.0	762.32	x			
Average Pond Bottom Elevation	762.0	762.5	x			
Pond Bottom Area (Ac)	0.26	0.18				
Maximum Pond Depth	16	15.68				
Average Pond Depth	16	15.5				
Average Permanent Pool Depth (Wet Ponds)	5.0	4.5				

*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: 

10-3-2012

