



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  
Property Tax ID Number  
Date 7-16-18

SE 1/4  
0096085  
Name of Business/Subdivision  
Address of Property  
Lilly Creek Highlands II

Dry Pond		Location of Pond	OUTLOT #5
Wet Pond	x		Pond #2
Other		Pond ID:	SWP24S002

Year Pond Constructed  
2002  
Year of Last Certification  
2013

Compliance Verification	Design	Actual	Compliant Yes	Comments (Condition of Structure)
<b>Primary Outlet Pipe</b>				Outlet Pipe Material
Opening Diameter (inches)	24	24	x	RCP in good shape
Upstream Invert	763.50	763.26	x	
Downstream Invert	762.50	762.19	x	
Length (feet)	114	109	x	
Slope (%)	0.88	0.98	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	766.00	766.24		
<b>Upper Discharge Control</b>	(If Applicable)			
Opening Diameter (inches)				
Elevation				

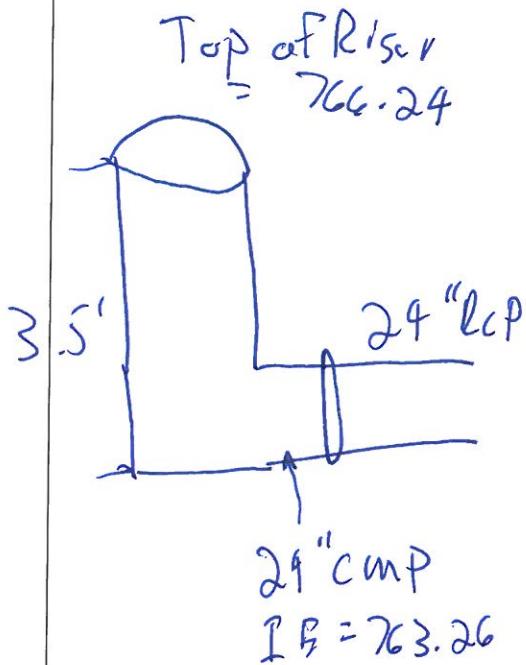
Compliance Verification	Design	Actual	Compliant Yes      No	Comments	
<b>Lower Discharge Control</b>	(If Applicable)				
Opening Diameter (inches)					
Elevation					
<b>Other (Description)</b>					
Opening Type and Size (inches)					
Elevation					
<b>Emergency Spillway</b>					
Elevation	770.5	769.5			
Length of spillway (feet)	10	10			
<b>Embankment</b>	Present Yes      no		Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation	x		Mostly cattails have overgrown bottom. See inspection report		
Animal burrows or slope erosion		x			
<b>Storm Sewer Outfalls</b>	Type & Size		Location		Comments
Outfall 1	15" RCP		From north basin		Good condition (see inspect report)
Outfall 2	18" RCP		Between lots 91 & 92		½ full of sediment (see report)
Outfall 3					
<b>Storage Properties</b>	Design	Actual	Compliant Yes      No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	763.0	763.26	x		GPS & Robotic          See inspection report for recommendations
Design High Water Elevation	771.0	770.50	x		
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.07	0.10	x		
Area at Design High Water Elevation (Ac)	0.44	0.44	x		
Active Storage Available (Ac-Ft)*	2.04	1.95	x		
Lowest Elevation at Top of Embankment (If Applicable)	771.5	770.5	x		
Average Elevation at Top of Embankment (If Applicable)	771.5	771+	x		
Maximum Bottom Elevation	760.0	760.0	x		
Average Pond Bottom Elevation	760.0	760.0	x		
Pond Bottom Area (Ac)	0.02	0.02	x		
Maximum Pond Depth	11.0	11.0	x		
Average Pond Depth	11.0	11.0	x		
Average Permanent Pool Depth (Wet Ponds)	3.0	3.0	x		

\*To Determine Active Storage  $V=H/3(A1+A2+(A1xA2)1/2)$

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

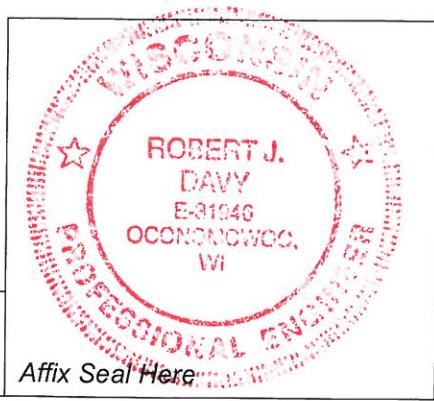
Attach As-built Survey to the Document for the first report submission

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

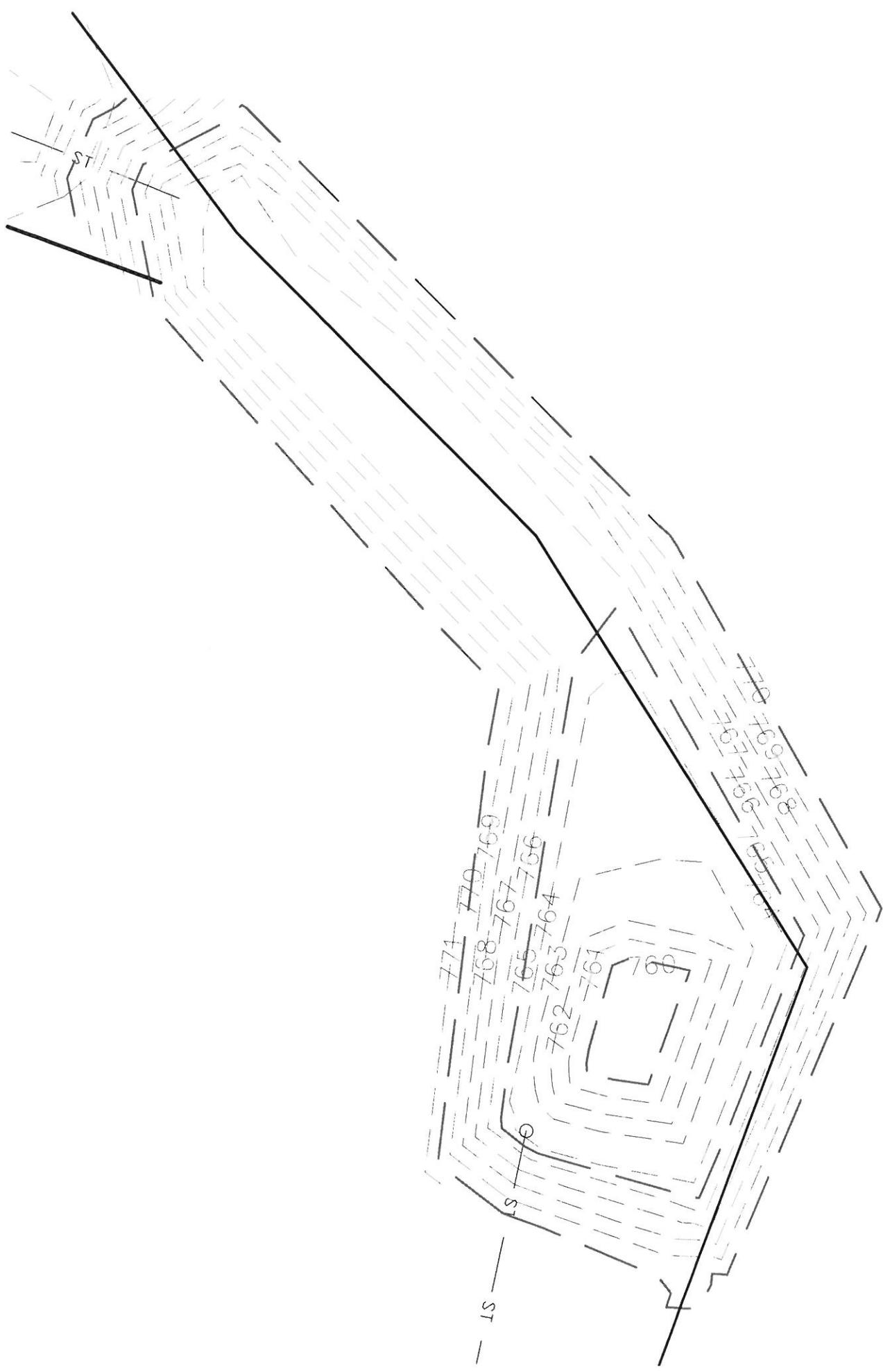
Inspector Name: Rob Davy  
Inspection Date: 7-16-18 re inspect 10-23-19

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

Date: 10-23-19 Signature: 



10-3-2012





10-23-19



7-17-16



7-17-18



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  
Property Tax ID Number  
Date 7-16-18

SE 1/4  
0096085

Name of Business/Subdivision  
Address of Property

Lilly Creek Highlands II

Dry Pond	
Wet Pond	x
Other	

Location of  
Pond

OUTLOT #5  
Pond #2

Pond ID: SWP24S002

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	763.50	763.26	x		
Downstream Invert	762.50	762.19	x		
Length (feet)	114	109	x		
Slope (%)	0.88	0.98	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	766.00	766.24			
<b>Upper Discharge Control</b>	(If Applicable)				
Opening Diameter (inches)					
Elevation					

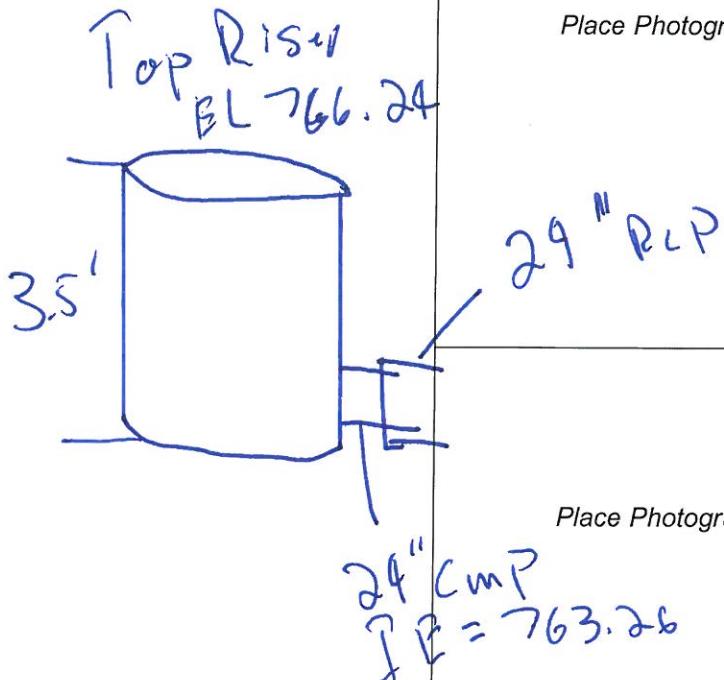
Compliance Verification	Design	Actual	Compliant Yes      No	Comments	
<b>Lower Discharge Control</b>	(If Applicable)				
Opening Diameter (inches)					
Elevation					
<b>Other (Description)</b>					
Opening Type and Size (inches)					
Elevation					
<b>Emergency Spillway</b>					
Elevation	770.5	769.5			
Length of spillway (feet)	10	10			
<b>Embankment</b>	Present Yes      no		Comments/Maintenance Requirements		
Unauthorized Plantings, trees, or woody vegetation	x		Mostly cattails have overgrown bottom. See inspection report		
Animal burrows or slope erosion		x			
<b>Storm Sewer Outfalls</b>	Type & Size		Location		Comments
Outfall 1	15" RCP		From north basin		Good condition (see inspect report)
Outfall 2	18" RCP		Between lots 91 & 92		½ full of sediment (see report)
Outfall 3					
Storage Properties	Design	Actual	Compliant Yes      No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	763.0	763.26	x		See inspection report for recommendations
Design High Water Elevation	771.0	770.50	x		
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.07	0.10	x		
Area at Design High Water Elevation (Ac)	0.44	0.44	x		
Active Storage Available (Ac-Ft)*	2.04	1.95	x		
Lowest Elevation at Top of Embankment (If Applicable)	771.5	770.5	x		
Average Elevation at Top of Embankment (If Applicable)	771.5	771+	x		
Maximum Bottom Elevation	760.0	762.65		x	
Average Pond Bottom Elevation	760.0	764.0		x	
Pond Bottom Area (Ac)	0.02	0.003		x	
Maximum Pond Depth	11.0	7.85		x	
Average Pond Depth	11.0	6.50		x	
Average Permanent Pool Depth (Wet Ponds)	3.0	.5		x	

\*To Determine Active Storage  $V=H/3(A1+A2+(A1xA2)1/2)$

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

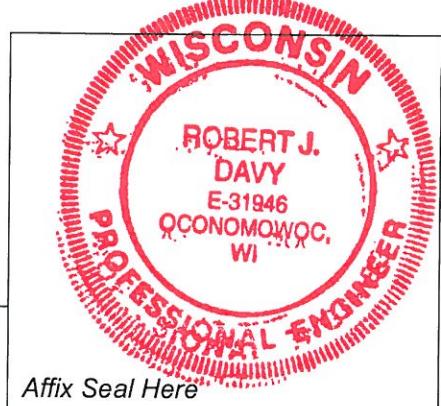
Attach As-built Survey to the Document for the first report submission

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

Inspector Name: Rob Davy  
Inspection Date: 7-16-18

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

Date: 7-17-18 Signature: RD



Affix Seal Here

10-3-2012

