



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 - 24 Name of Business/Subdivision Lilly Creek Highlands V/VI
Property Tax ID Number TBD Address of Property Daylilly Drive & Northfield Drive
Date _____ Pond 3

Dry Pond	
Wet Pond	X
Other	

Pond ID: SWP24S019

Location of Pond OUTLOT 12

Year Pond Constructed 2017 Year of Last Certification N/A

Compliance Verification	Design	Actual	Compliant Yes No		Comments (Condition of Structure)
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	18"	18"	X		RCP
Upstream Invert	784.00	784.05	X		
Downstream Invert	783.77	783.79	X		
Length (feet)	49	47	X		
Slope (%)	0.5	0.55	X		
Secondary Outlet Pipe	(If Applicable)				Outlet Pipe Material
Opening Diameter (inches)					None
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
Riser	(If Applicable)				Riser Material
Opening Diameter (inches)	48	48	X		In-line Outlet Control Structure
Rim Elevation	791.50	791.10	X		
Upper Discharge Control	(If Applicable)				
Opening Diameter (inches)					N/A
Elevation					

Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	2	2	X		Low Flow Orifice	
Elevation	784.00	784.05	X			
Other (Description)						
Opening Type and Size (inches)	20" V-Notch	789.05 Top	X		High Flow Weir 20" V-Notch	
Elevation	786.25	786.25	X			
Emergency Spillway						
Elevation	790.00	790.45	X			
Length of spillway (feet)	4	10	X			
Embankment	Present Yes no		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation		X	Newly construction and vegetated.			
Animal burrows or slope erosion		X				
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1	18" RCP		SW from Daylilly		New	
Outfall 2						
Outfall 3						
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	784.00	784.05	X			Robotic 1" Total Station (Sokkia iX 1001) Survey Completed: 08/21/17 Includes 2' for sediment storage.
Design High Water Elevation	788.93	788.98	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.080	0.160	X			
Area at Design High Water Elevation (Ac)	0.461	0.544	X			
Active Storage Available (Ac-Ft)*	1.676	2.154	X			
Lowest Elevation at Top of Embankment (If Applicable)	790.00	790.00	X			
Average Elevation at Top of Embankment (If Applicable)	791.00	791.00	X			
Maximum Bottom Elevation	780.00	778.0	X			
Average Pond Bottom Elevation	785.48	785.5	X			
Pond Bottom Area (Ac)	0.026					
Maximum Pond Depth	4.0	4.0	X			
Average Pond Depth					X	
Average Permanent Pool Depth (Wet Ponds)	1.48	1.5	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

See attached as-built plan.



Place Photograph of Pond or Attach to Document

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

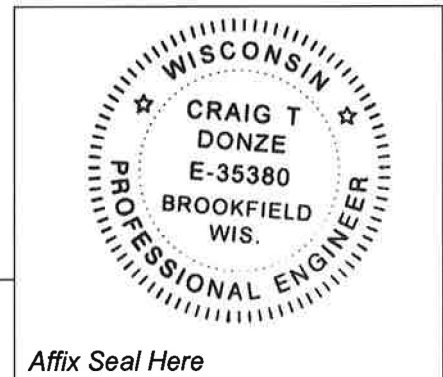
Inspection Firm: One Source Consulting
Phone Number: (262) 781-9005
Address: 19435 W. Capitol Drive
Suite L05
Brookfield, WI 53045

Inspector Name : Craig Donze, PE
Inspection Date: 02/02/2018

Certifying Professional Craig Donze, PE

Name:

Phone Number: (262) 781-9005
cdonze@onesourceconsult.com



Date:

02/02/18

Signature:

Craig Donze

Affix Seal Here