



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 Sec. Name of Business/Subdivision Heritage Reserve Holdings, LLC
13-8-20
 Property Tax ID Number MNFV00519 Address of Property Heritage Reserve
45002
 Date 5/29/2015

Dry Pond	
Wet Pond	X
Other	

Location of Pond Southwest Portion of Property
 Pond ID: SWP13S008

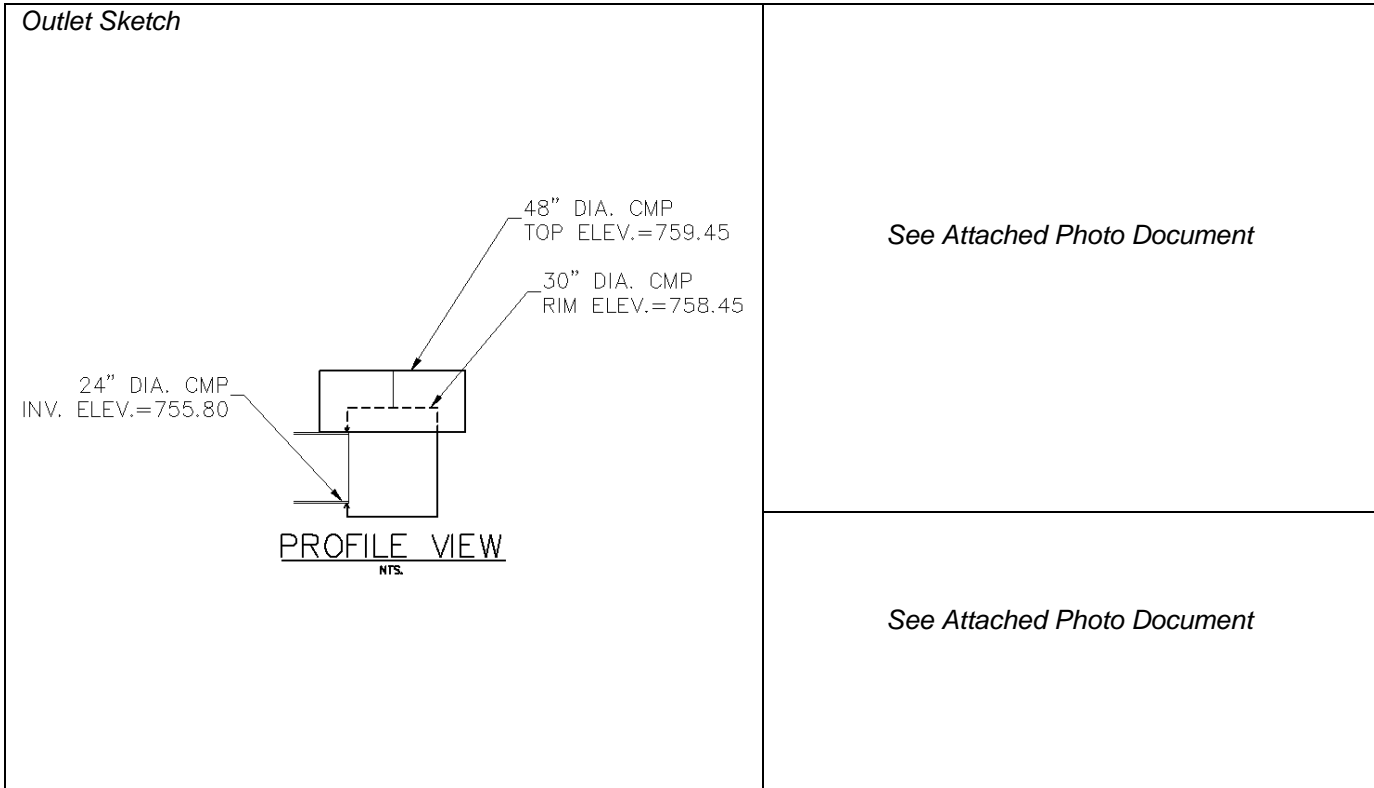
Year Pond Constructed Late 1990's Year of Last Certification _____

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe					
Outlet Pipe Material					
Opening Diameter (inches)	_____	24"			Corrugated Metal Pipe Pond SWP13S008 was built and designed by Waukesha County as part of the Good Hope Project in the late 90's. Design data was not available.
Upstream Invert	_____	755.80			
Downstream Invert	_____	755.24			
Length (feet)	_____	61'			
Slope (%)	_____	0.92%			
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)	_____	30"			Corrugated Metal Pipe. Some rust is apparent along the NWL
Elevation	_____	758.45			
Upper Discharge Control (If Applicable)					
Opening Diameter (inches)	_____	_____			
Elevation	_____	_____			

Compliance Verification	Design	Actual	Compliant Yes No		Comments	
Lower Discharge Control	(If Applicable)					
Opening Diameter (inches)	_____	_____				
Elevation	_____	_____				
Other (Description)						
Opening Type and Size (inches)	_____	_____				
Elevation	_____	_____				
Emergency Spillway						
Elevation	_____	_____				
Length of spillway (feet)	_____	_____				
Embankment	Present Yes No		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation		X				
Animal burrows or slope erosion		X				
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1	RCP 42"		Southeast portion of pond			
Outfall 2						
Outfall 3						
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	_____	755.89				Trimble R6 GPS Pond SWP13S008 was built and designed by Waukesha County as part of the Good Hope Project in the late 90's. Design data was not available. Sub-catchment area draining to pond cannot be identified and requires an expanded scope of work. Lowest Bottom Elevation
Design High Water Elevation	_____	_____				
Area at Normal Water Elevation (Ac) (Wet Ponds)	_____	0.398				
Area at Design High Water Elevation (Ac)	_____	_____				
Active Storage Available (Ac-Ft)*	_____	_____				
Lowest Elevation at Top of Embankment (If Applicable)	_____	759.32				
Average Elevation at Top of Embankment (If Applicable)	_____	761.10				
Maximum Bottom Elevation	_____	750.79				
Average Pond Bottom Elevation	_____	751.00				
Pond Bottom Area (Ac)	_____	0.013				
Maximum Pond Depth	_____	5.1'				
Average Pond Depth	_____	4.89'				
Average Permanent Pool Depth (Wet Ponds)	_____	4.89'				

*To Determine Active Storage $V=H/3(A1+A2+(A1 \times A2)^{1/2})$

Wet Ponds Use H = Height of Section , A_1 = area at normal water elevation, A_2 =area at top section
 Dry Ponds Use H = Height of Section, A_1 = pond bottom area, A_2 =area at top section



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

Inspection Firm:	JSD Professional Services, Inc	Inspector Name :	Ryder Fischer
Phone Number:	(262) 513-0666	Inspection Date:	5/29/2015
Address:	N22 W22931 Nancys Ct.		
	Suite 3		
	Waukesha, WI 53186		

Certifying Professional Name: Rizal Iskandarsjach P.L.S., P.E.
 Phone Number: (262) 513-0666



<p>Date:</p> <p style="font-size: 1.5em; color: red;">7/31/15</p>	<p>Signature:</p> <p style="font-size: 1.5em; color: red;">Rizal Iskandarsjach</p>
---	--



Figure 1: Overview of Pond Looking South



Figure 2: Overview of Pond Looking North



Figure 3: Outlet Structure Located on the North end of Pond



Figure 4: Top View of the Outlet Structure



Figure 5: Outfall Located on the Southeast Portion of Pond