



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
44005
 Date 6/2/2015

Dry Pond	X
Wet Pond	
Other	

Location of Pond Located on the Southern portion of the property
 Pond ID: SWP13S009

Year Pond Constructed 2005 Year of Last Certification _____

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	_____	_____			SWP13S009 is a temporary sedimentation basin that were used for Erosion Control and left in place until the site is fully developed. Design data was not available.
Upstream Invert	_____	_____			
Downstream Invert	_____	_____			
Length (feet)	_____	_____			
Slope (%)	_____	_____			
Secondary Outlet Pipe (If Applicable)					
Opening Diameter (inches)	_____	_____			
Upstream Invert	_____	_____			
Downstream Invert	_____	_____			
Length (feet)	_____	_____			
Slope (%)	_____	_____			
Riser (If Applicable)					
Opening Diameter (inches)	_____	_____			
Elevation	_____	_____			
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		770.15				
Length of spillway (feet)		21'				
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						
Outfall 2						
Outfall 3						
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	_____	_____				SWP13S009 is a temporary sedimentation basin, so the basin provides minimal storage. Trimble R6 GPS Lowest Bottom Elevation
Design High Water Elevation	_____	_____				
Area at Normal Water Elevation (Ac) (Wet Ponds)	_____	_____				
Area at Design High Water Elevation (Ac)	_____	_____				
Active Storage Available (Ac-Ft)*	_____	_____				
Lowest Elevation at Top of Embankment (If Applicable)	_____	770.15				
Average Elevation at Top of Embankment (If Applicable)	_____	771.07				
Maximum Bottom Elevation	_____	767.74				
Average Pond Bottom Elevation	_____	768.00				
Pond Bottom Area (Ac)	_____	0.009				
Maximum Pond Depth	_____	3.93'				
Average Pond Depth	_____	3.07'				
Average Permanent Pool Depth (Wet Ponds)	_____	_____				

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

Wet Ponds Use $H = \text{Height of Section}$, $A1 = \text{area at normal water elevation}$, $A2 = \text{area at top section}$

Dry Ponds Use $H = \text{Height of Section}$, $A1 = \text{pond bottom area}$, $A2 = \text{area at top section}$

<p style="text-align: center;">No Outlet Structure</p>	<p>See Attached Photo Document</p>
	<p>See Attached Photo Document</p>

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: 6/2/2015
 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: 2em; color: red;">7/31/15</p>	<p>Signature:</p> <p style="font-size: 2em; color: red;">Rizal Iskandarsjach</p>
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Affix Seal Here



Figure 1: Overview of Pond Looking West



Figure 2: Photo of Riprap between SWP13S009 and SWP13S016