



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.
Property Tax ID Number 13-8-20 Name of Business/Subdivision Heritage Reserve Holdings, LLC
Date MNJV00519 Address of Property 44005
6/2/2015 Heritage Reserve

Dry Pond	<input checked="" type="checkbox"/>	Pond ID: <u>SWP13S009</u>	Location of Pond	Located on the Southern portion of the property
Wet Pond	<input type="checkbox"/>			
Other	<input type="checkbox"/>			

Year Pond Constructed 2005 Year of Last Certification _____

Compliance Verification	Design	Actual	Compliant Yes	Compliant No	Comments (Condition of Structure)
Primary Outlet Pipe					
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.	
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'			Trimble R6 GPS	
Average Pond Depth	_____	3.07'				
Average Permanent Pool Depth (Wet Ponds)	_____	_____				

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

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 Photo Document

No Outlet Structure

See Attached Photo Document

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

Date:

7/31/15

Signature:

Rizal Isk



10-3-2012



Figure 1: Overview of Pond Looking West



Figure 2: Photo of Riprap between SWP13S009 and SWP13S016