



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 MNFV00519 Address of Property 45002
5/29/2015 Heritage Reserve

Dry Pond		Location of Pond	Southwest Portion of Property
Wet Pond	X		
Other			

Pond ID: SWP13S008

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

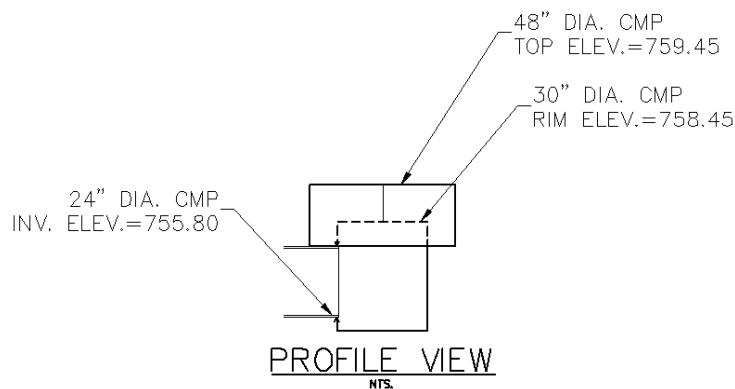
Compliance Verification	Design	Actual	Compliant Yes	No	Comments (Condition of Structure)
Primary Outlet Pipe					
Opening Diameter (inches)		24"			Outlet Pipe Material
Upstream Invert		755.80			Corrugated Metal Pipe
Downstream Invert		755.24			Pond SWP13S008 was built and designed by Waukesha County as part of the Good Hope Project in the late 90's. Design data was not available.
Length (feet)		61'			
Slope (%)		0.92%			
Secondary Outlet Pipe	(If Applicable)				
Opening Diameter (inches)					Outlet Pipe Material
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
Riser	(If Applicable)				
Opening Diameter (inches)		30"			Riser Material
Elevation		758.45			Corrugated Metal Pipe. Some rust is apparent along the NWL
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
Design High Water Elevation	_____	_____				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.
Area at Normal Water Elevation (Ac) (Wet Ponds)	_____	0.398				Sub-catchment area draining to pond cannot be identified and requires an expanded scope of work.
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				Lowest Bottom Elevation
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 $V=H/3(A1+A2+(A1 \times A2)/2)$

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

Outlet Sketch



See Attached Photo Document

See Attached Photo Document

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

Inspection Firm: JSD Professional Services, Inc
Phone Number: (262) 513-0666
Address: N22 W22931 Nancys Ct.
Suite 3
Waukesha, WI 53186

Inspector Name: Ryder Fischer
Inspection Date: 5/29/2015

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

Date:

7/31/15

Signature:

Rizal Iskandarsjach



Affix Seal Here



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