



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 NW 1/4 Sec.  
36-8-20 Name of Business/Subdivision Weimer Bearing  
Property Tax ID Number 0142999010 Address of Property W134 N5368 Campbell Dr.  
Date 5/29/2015

Dry Pond	X	Pond ID: SWP36N003	Location of Pond	East side of property
Wet Pond				
Other				

Year Pond Constructed 2006 Year of Last Certification 2010

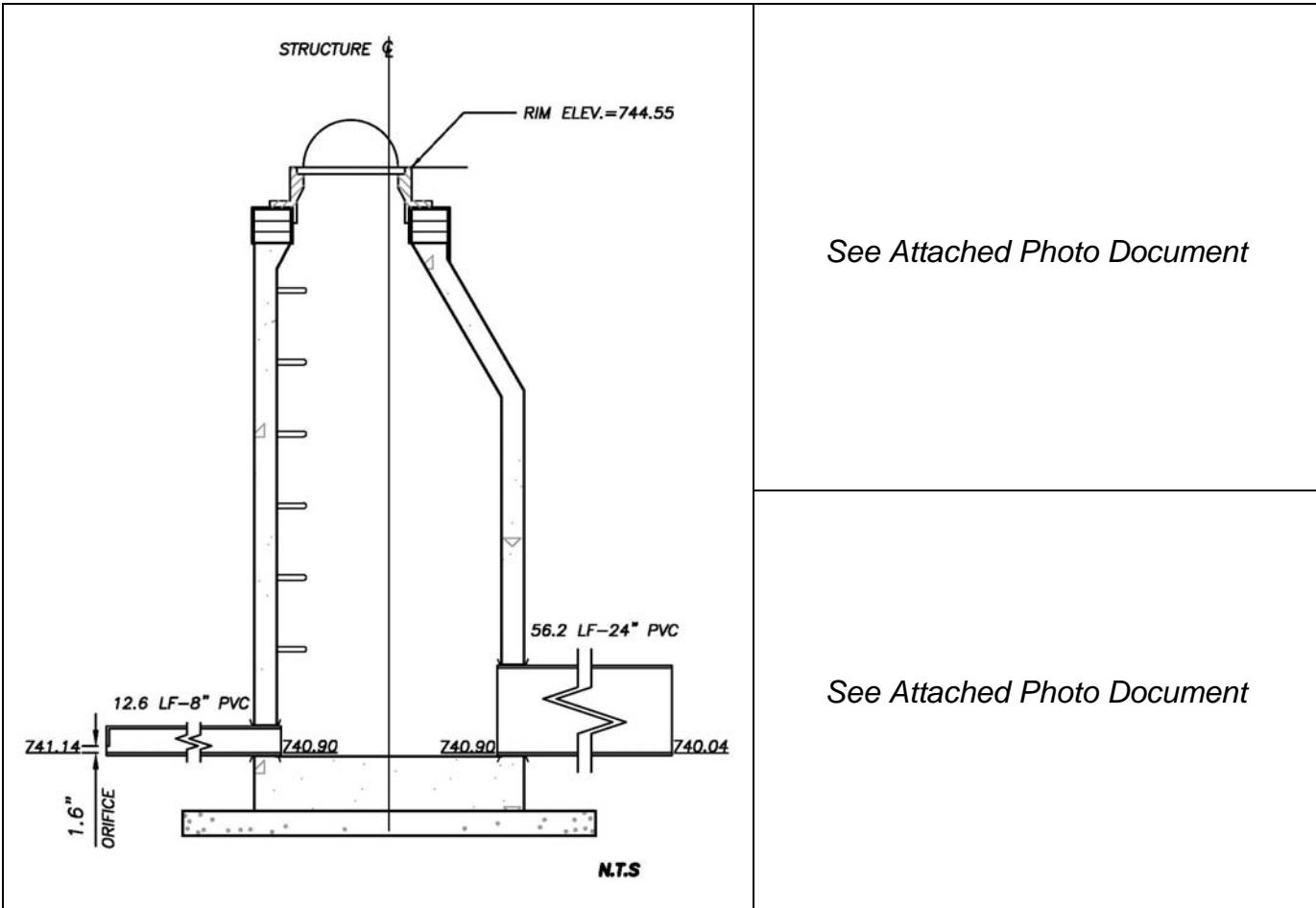
Compliance Verification	Design	Actual	Compliant Yes	No	Comments ( Condition of Structure)
<b>Primary Outlet Pipe</b>					
Opening Diameter (inches)	1.6"	1.6"	X		8" PVC Pipe with a 1.6" Restriction Device
Upstream Invert	741.00	741.14	X		
Downstream Invert	740.00	740.09	X		
Length (feet)	69'	69'	X		
Slope (%)	1.45	1.52	X		
<b>Secondary Outlet Pipe</b>	(If Applicable)				
Opening Diameter (inches)					Outlet Pipe Material
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
<b>Riser</b>	(If Applicable)				
Opening Diameter (inches)	24"	24"	X		Riser Material
Elevation	744.50	744.55	X		
<b>Upper Discharge Control</b>	(If Applicable)				
Opening Diameter (inches)					
Elevation					

Compliance Verification	Design	Actual	Compliant Yes	No	Comments	
<b>Lower Discharge Control</b>	(If Applicable)					
Opening Diameter (inches)	_____	_____				
Elevation	_____	_____				
<b>Other (Description)</b>						
Opening Type and Size (inches)	_____	_____				
Elevation	_____	_____				
<b>Emergency Spillway</b>						
Elevation	746.30	746.14	X			
Length of spillway (feet)	25'	24'	X			
<b>Embankment</b>	Present Yes	No	Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	X		<b>Trees growth at bottom of pond recommend removed.</b> <b>(Figure 1 and Figure 4)</b>			
Animal burrows or slope erosion		X				
<b>Storm Sewer Outfalls</b>	Type & Size		Location		Comments	
Outfall 1	PVC 6"		West Portion of Pond		Extensive Erosion. (Figure 6) Recommend restore ground and rip rap be placed below Outfall	
Outfall 2						
Outfall 3						
<b>Storage Properties</b>	Design	Actual	Compliant Yes	No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	_____	_____				Trimble R6 GPS
Design High Water Elevation	744.32	744.61				HWL Calculated by HydroCAD
Area at Normal Water Elevation (Ac) (Wet Ponds)	_____	_____				Area at HWL Calculated by HydroCAD
Area at Design High Water Elevation (Ac)	0.096	0.092				
Active Storage Available (Ac-Ft)*	0.501	0.462				
Lowest Elevation at Top of Embankment (If Applicable)	746.30	746.48				
Average Elevation at Top of Embankment (If Applicable)	747.00	746.91				
Maximum Bottom Elevation	741.00	741.08				
Average Pond Bottom Elevation	741.00	741.40				
Pond Bottom Area (Ac)	0.014	0.010				
Maximum Pond Depth	5.3'	4.75'				
Average Pond Depth	_____	_____				
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  $H = \text{Height of Section}$ ,  $A1 = \text{pond bottom area}$ ,  $A2 = \text{area at top section}$



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:	Signature:
<u>6/26/15</u>	<u>Rizal Iskandarsjach</u>





**Figure 1: Looking North, Overview of Dry Pond**



**Figure 4: Looking Northwest, Overview of Dry Pond  
(Note: Two Groupings of Tree Growth)**



**Figure 2: 24" Secondary Outlet for Outfall**



**Figure 5: Emergency Spillway Located on the Northeast  
Portion of Pond**



**Figure 3: 1.6" Primary Outlet**



**Figure 6: 6" PVC Outfall Located on the West Slope of  
Pond**