



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

Dry Pond	X
Wet Pond	
Other	

Location of Pond East side of property
 Pond ID: SWP36N003

Year Pond Constructed 2006 Year of Last Certification 2010

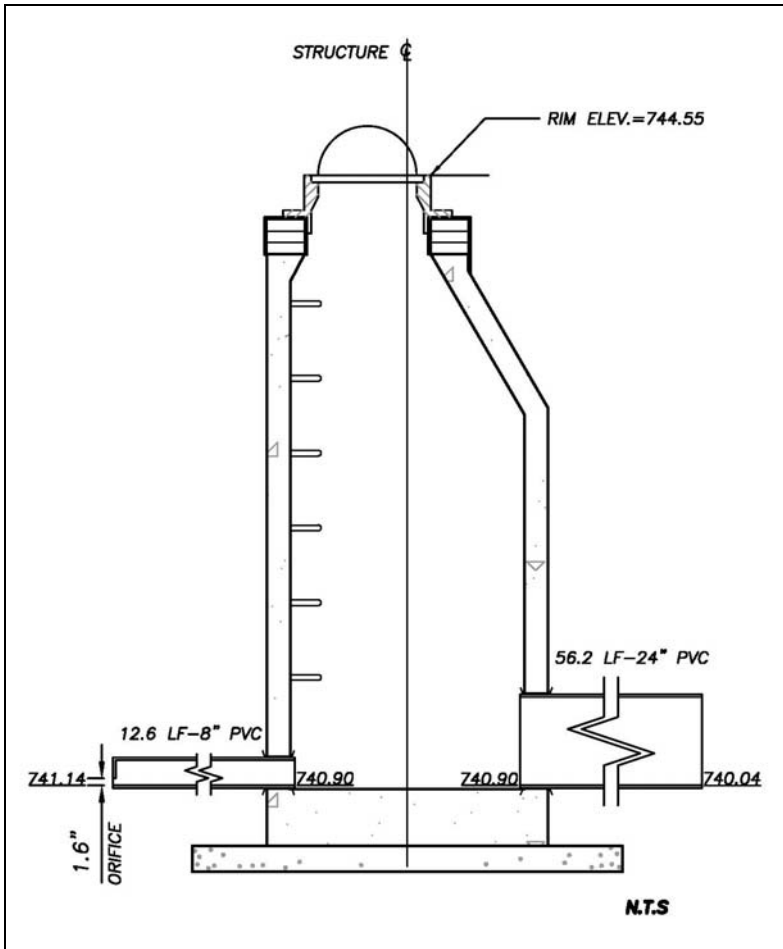
Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	1.6"	1.6"	X		8" PVC Pipe with a 1.6" Restriction Device
Upstream Invert	741.00	741.14	X		
Downstream Invert	740.00	740.09	X		
Length (feet)	69'	69'	X		
Slope (%)	1.45	1.52	X		
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)	24"	24"	X		
Elevation	744.50	744.55	X		
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	746.30	746.14	X			
Length of spillway (feet)	25'	24'	X			
Embankment	Present Yes No		Comments/Maintenance Requirements			
Unauthorized Plantings, trees, or woody vegetation	X		Trees growth at bottom of pond recommend removed. (Figure 1 and Figure 4)			
Animal burrows or slope erosion		X				
Storm Sewer Outfalls	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						
Storage Properties	Design	Actual	Compliant Yes No		Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	_____	_____				Trimble R6 GPS HWL Calculated by HydroCAD
Design High Water Elevation	744.32	744.61				
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 Bottom Elevation
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 $H = \text{Height of Section}$, $A1 = \text{pond bottom area}$, $A2 = \text{area at top section}$



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 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



Affix Seal Here

Date: 6/26/15

Signature: Rizal Iskandarsjach



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