



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 SW ¼ 31 Name of Business/Subdivision LOT 1, CSM 10817
 Property Tax ID Number 0123994001 Address of Property W212 N4933
 Date 06-28-13 WEYER RD.

Dry Pond	
Wet Pond	X
Other	

Pond ID: SWP

Location of Pond SW CORNER OF WEYER RD. AND LISBON RD. (C.T.H. – K)

Year Pond Constructed 2013 Year of Last Certification _____

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe	Pond to Outlet Control				Outlet Pipe Material
Opening Diameter (inches)	15	15	X		HDPE
Upstream Invert	835.50	835.52	X		
Downstream Invert	835.50	835.45	X		
Length (feet)	13	13	X		
Slope (%)	0.00	0.54	X		
Secondary Outlet Pipe	Outlet Control to Discharge at Grade				
Opening Diameter (inches)	15	15	X		HDPE
Upstream Invert	835.50	835.50	X		
Downstream Invert	835.43	835.10	X		
Length (feet)	15	22	X		
Slope (%)	0.50	1.82	X		
Riser	(If Applicable)				
Opening Diameter (inches)	N/A	N/A			
Elevation	N/A	N/A			
Upper Discharge Control	(WEIR)				
Weir Length (feet)	4	4	X		
Elevation	835.90	835.98	X		

Compliance Verification	Design	Actual	Compliant		Comments	
			Yes	No		
Lower Discharge Control	(ORIFICE)					
Opening Diameter (inches)	4	4	X			
Elevation	835.50	835.50	X			
Other (Description)						
Opening Type and Size (inches)	N/A	N/A				
Elevation	N/A	N/A				
Emergency Spillway						
Elevation	836.50	836.50	X			
Length of spillway (feet)	8	9 +/-	X			
Embankment	Present		Comments/Maintenance Requirements			
	Yes	no				
Unauthorized Plantings, trees, or woody vegetation		X				
Animal burrows or slope erosion		X				
Storm Sewer Outfalls	Type & Size		Location		Comments	
Outfall 1	N/A					
Outfall 2	N/A					
Outfall 3	N/A					
Storage Properties	Design	Actual	Compliant		Not Applicable	Equipment Used
			Yes	No		
Normal Water Elevation (Wet Ponds)	835.50	835.52	X			SURVEY EQUIPEMENT USED WAS A TOTAL STATION
Design High Water Elevation	836.48	836.50	X			
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.48	0.48	X			
Area at Design High Water Elevation (Ac)	0.55	0.57	X			
Active Storage Available (Ac-Ft)*	1.44	1.45	X			
Lowest Elevation at Top of Embankment (If Applicable)	838.00	838.00	X			
Average Elevation at Top of Embankment (If Applicable)	838.00	838.00	X			
Maximum Bottom Elevation	830.00	829.50 +/-	X			
Average Pond Bottom Elevation	830.00	830.00	X			
Pond Bottom Area (Ac)	0.15	0.14	X			
Maximum Pond Depth	8.0	8.5	X			
Average Pond Depth	8.0	8.0	X			
Average Permanent Pool Depth (Wet Ponds)	5.5	5.5	X			

*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><i>Outlet Attached to Document</i></p>	<p><i>Photographs of Pond Attached to Document</i></p>
	<p><i>Photographs of Pond Attached to Document</i></p>

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

Inspection Firm:	<u>THE SIGMA GROUP</u>	Inspector Name :	<u>KEVIN SLOTTKE</u>
Phone Number:	<u>414-643-4200</u>	Inspection Date:	<u>06-25-2013</u>
Address:	<u>1300 W. CANAL ST.</u>		
	<u>MILWAUKEE, WI</u>		

Certifying Professional Name: ADAM HAMMEN
 Phone Number: 414-643-4200



<p>Date:</p> <p><i>6/28/13</i></p>	<p>Signature:</p> <p><i>Adam B. Hammen</i></p>
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Affix Seal Here

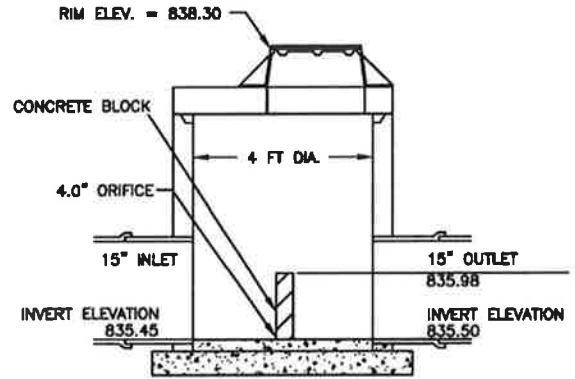
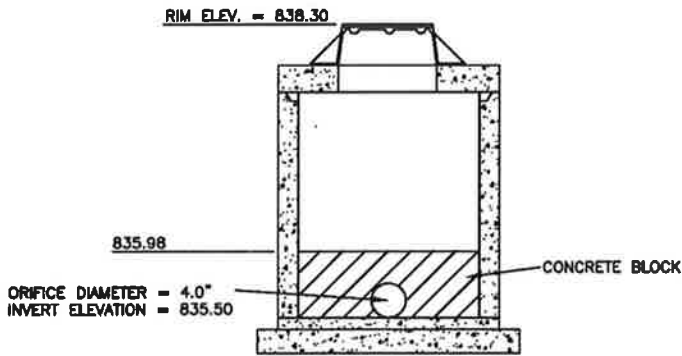


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10-3-2012

OUTLET STRUCTURE - DETAIL



POND PHOTOS

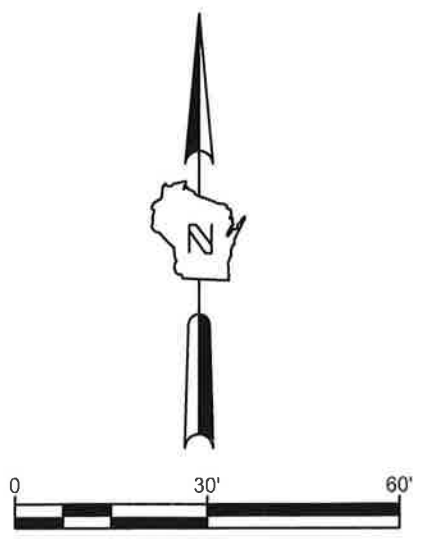
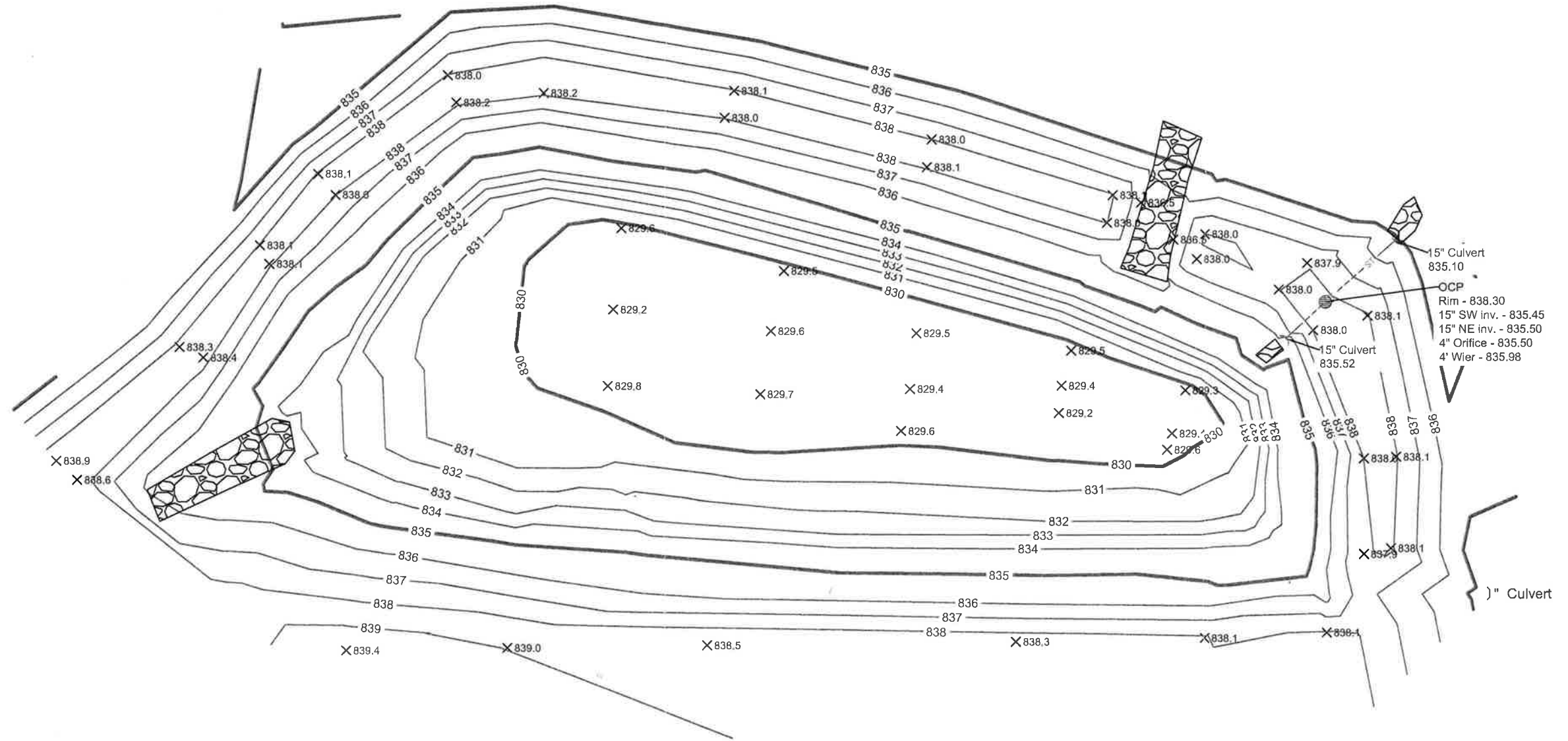



OUTLET PIPE AND STRUCTURE PHOTOS



SPILLWAY PHOTO





Franklynn Development Athletic Fields		 <small>www.thesigmagroup.com 1300 West Canal Street Milwaukee, WI 53233 Phone: 414-643-4200 Fax: 414-643-4210</small>	
June 25, 2013	KAS	SCALE: 1" = 30'	6-14-13 Pond Asbuilt.dwg
Stormwater Retention Pond As Built		Figure 1	