



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 SW1/4 Sec2 Name of Business/Subdivision Wisconsin Athletic Club Menomonee Falls
T8N R20EN _____
Property Tax ID Number Address of Property N91W15700 Falls Parkway
Date _____ Menomonee Falls, WI. 53051

Dry Pond		Pond ID: SWP	Location of Pond	Southeastern corner of parcel
Wet Pond	x			_____
Other				_____

Year Pond Constructed 2012 Year of Last Certification 2012 (as-built inspection)

Compliance Verification	Design	Actual	Compliant Yes	No	Comments (Condition of Structure)
Primary Outlet Pipe					
Opening Diameter (inches)	12"	12"	x		Outlet Pipe Material
Upstream Invert	800'	799.86'	x		Concrete
Downstream Invert	—	797.83'	x		
Length (feet)	—	31.29	x		
Slope (%)	—	6.49%	x		
Secondary Outlet Pipe	(If Applicable)				
Opening Diameter (inches)					Outlet Pipe Material
Upstream Invert					
Downstream Invert					
Length (feet)					
Slope (%)					
Riser	(If Applicable)				
Opening Diameter (inches)					Riser Material
Elevation					
Upper Discharge Control	(If Applicable)				
Opening Diameter (inches)	8"	8"	x		Concrete
Elevation	801.75'	801.56'	x		

Compliance Verification	Design	Actual	Compliant Yes No		Comments
Lower Discharge Control	(If Applicable)				
Opening Diameter (inches)	5.5"	5.5"	x		Concrete
Elevation	800'	799.88'	x		
Other (Description)					
Opening Type and Size (inches)					
Elevation					
Emergency Spillway					
Elevation	804.5'	804.3'	x		
Length of spillway (feet)	10'	10'	x		
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	12" RCP		Discharge pipe from outlet control structure		
Outfall 2					
Outfall 3					
Storage Properties	Design	Actual	Compliant Yes No	Not Applicable	Equipment Used
Normal Water Elevation (Wet Ponds)	800'	799.88'	x		Trimble survey grade gps, survey rod.
Design High Water Elevation	804.5'	804.3'	x		
Area at Normal Water Elevation (Ac) (Wet Ponds)	0.26	0.24	x		
Area at Design High Water Elevation (Ac)	0.41	0.39	x		
Active Storage Available (Ac-Ft)*	1.08	1.00	x		
Lowest Elevation at Top of Embankment (If Applicable)	806'	805.7'	x		
Average Elevation at Top of Embankment (If Applicable)	806'	805.8'	x		
Maximum Bottom Elevation	795'	794.3'	x		
Average Pond Bottom Elevation	795'	794.5'	x		
Pond Bottom Area (Ac)	0.07	0.06	x		
Maximum Pond Depth	11	11.5	x		
Average Pond Depth	11	11.3	x		
Average Permanent Pool Depth (Wet Ponds)	5	5.4	x		

*To Determine Active Storage $V=H/3(A1+A2+(A1xA2)1/2)$

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 survey drawing

See attached photo page

See attached photo page

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

Inspection Firm: The Sigma Group, Inc
Phone Number: 414-643-4161
Address: 1300 W. Canal St.
Milwaukee, WI 53233

Inspector Name: Menglong Hao
Inspection Date: 05/28/2018 & 7/25/18

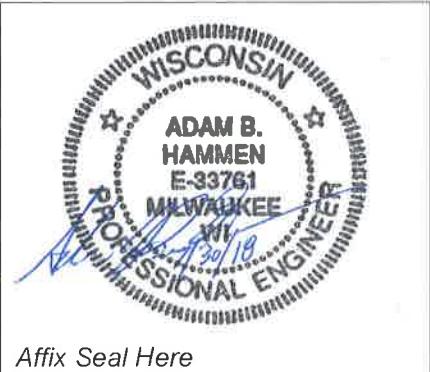
Certifying Professional Adam Hammern
Name: _____
Phone Number: 414-643-4165

Date:

7/30/18

Signature:

Adam B. Hammern



Affix Seal Here

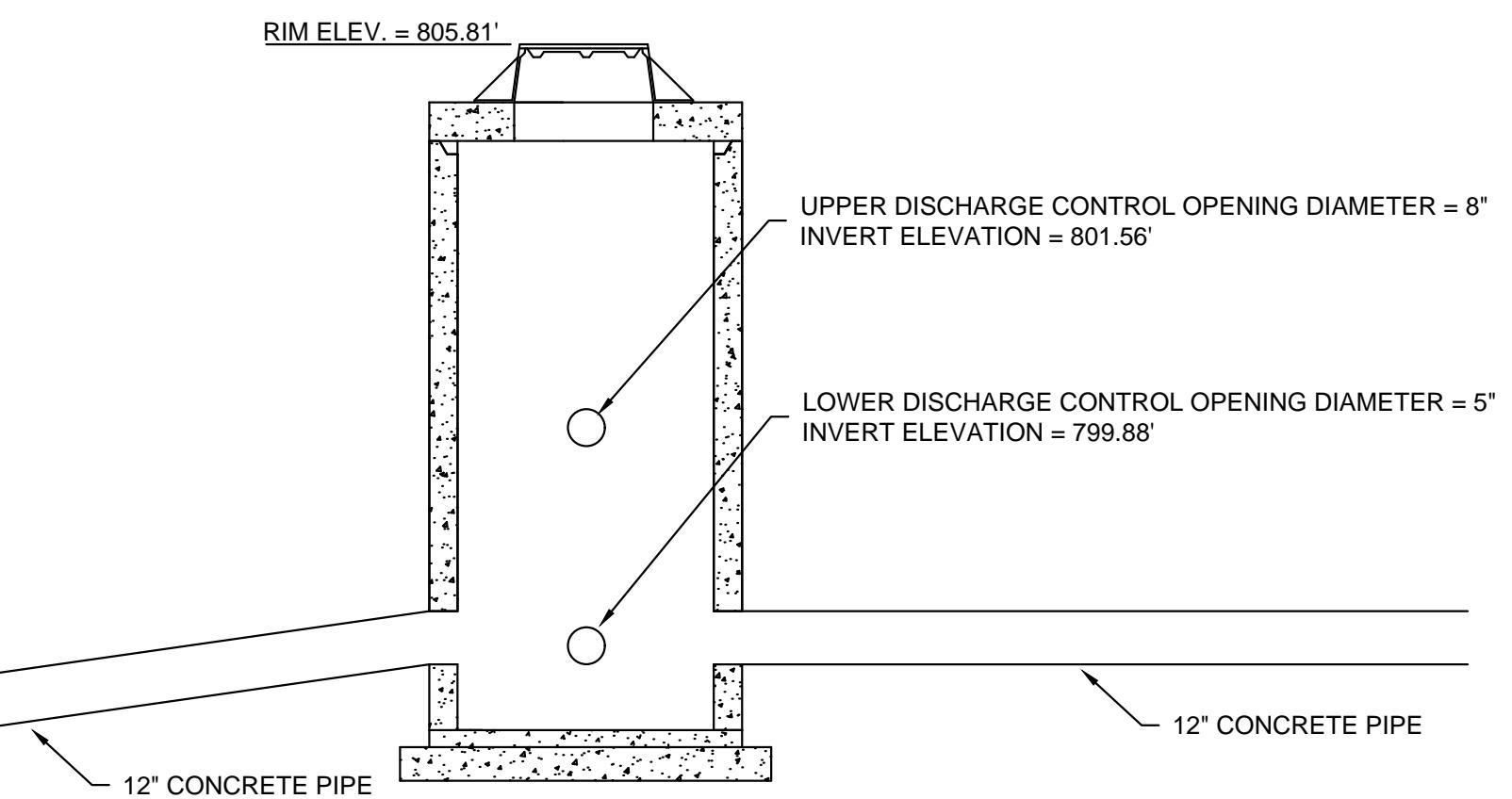
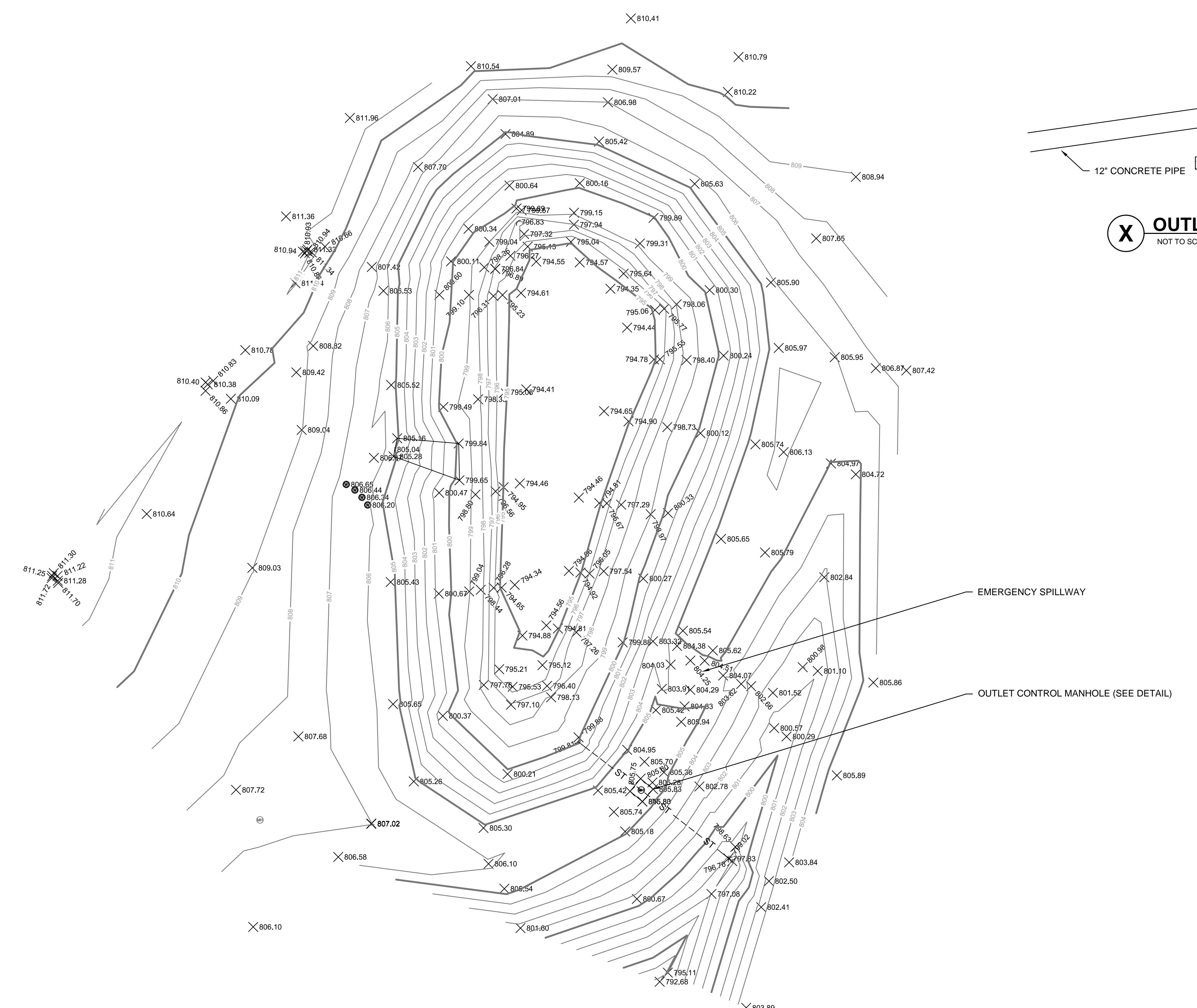
10-3-2012



Photo 1: Pond- looking northwest

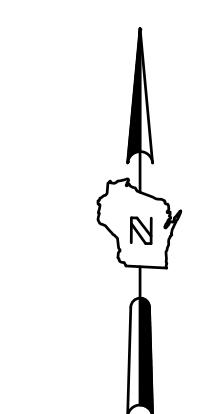


Photo 2: Pond-looking north



OUTLET CONTROL MANHOLE
NOT TO SCALE

Wisconsin Athletic Club Pond Inspection
N91W15700 Falls Parkway, Menomonee Falls, WI 53051
Menomonee Falls, Wisconsin



NO.	REVISION	DATE	BY
DRAWING NO.	1		
DRAWN BY:	M. Hao		
DATE:	07/25/2018		
PROJECT NO:	#17762		
CHECKED BY:	---		
APPROVED BY:	---		
SHEET NO.:			

Survey Benchmark
Location: west X corner of section 2-8-20
Description: Brass capped monument
Elevation: 813.21
Date of Survey: 05/29/2018