



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	
Wet Pond	x
Other	

Location of Pond Southeastern corner of parcel
 Pond ID: SWP

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

Compliance Verification	Design	Actual	Compliant		Comments (Condition of Structure)
			Yes	No	
Primary Outlet Pipe					Outlet Pipe Material
Opening Diameter (inches)	12"	12"	x		Concrete
Upstream Invert	800'	799.86'	x		
Downstream Invert	—	797.83'	x		
Length (feet)	—	31.29	x		
Slope (%)	—	6.49%	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)					
Elevation					
Upper Discharge Control (If Applicable)					Concrete
Opening Diameter (inches)	8"	8"	x		
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 $V=H/3(A1+A2+(A1 \times A2)^{1/2})$

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 survey drawing

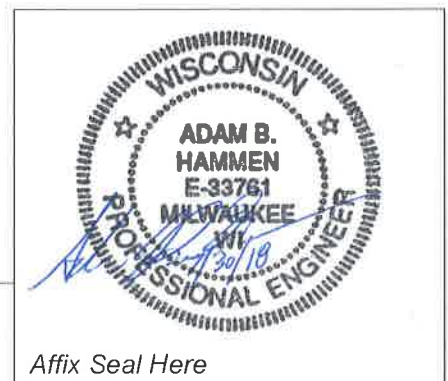
See attached photo page

See attached photo page

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

Inspection Firm: The Sigma Group, Inc Inspector Name: Menglong Hao
Phone Number: 414-643-4161 Inspection Date: 05/28/2018 & 7/25/18
Address: 1300 W. Canal St.
Milwaukee, WI 53233

Certifying Professional Name: Adam Hammen
Phone Number: 414-643-4165



Date: 7/30/18

Signature: Adam B. Hammen



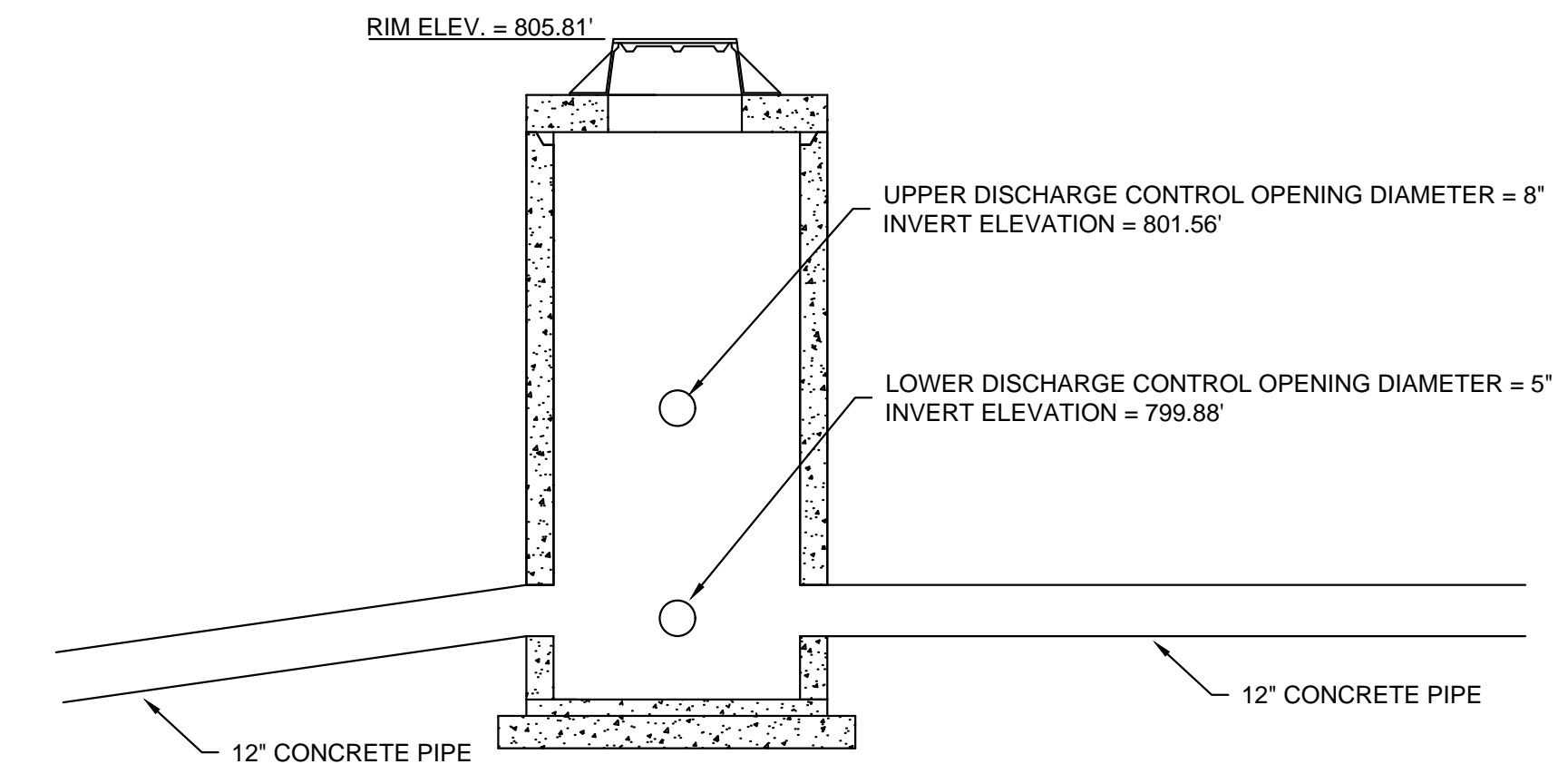
Photo 1: Pond– looking northwest



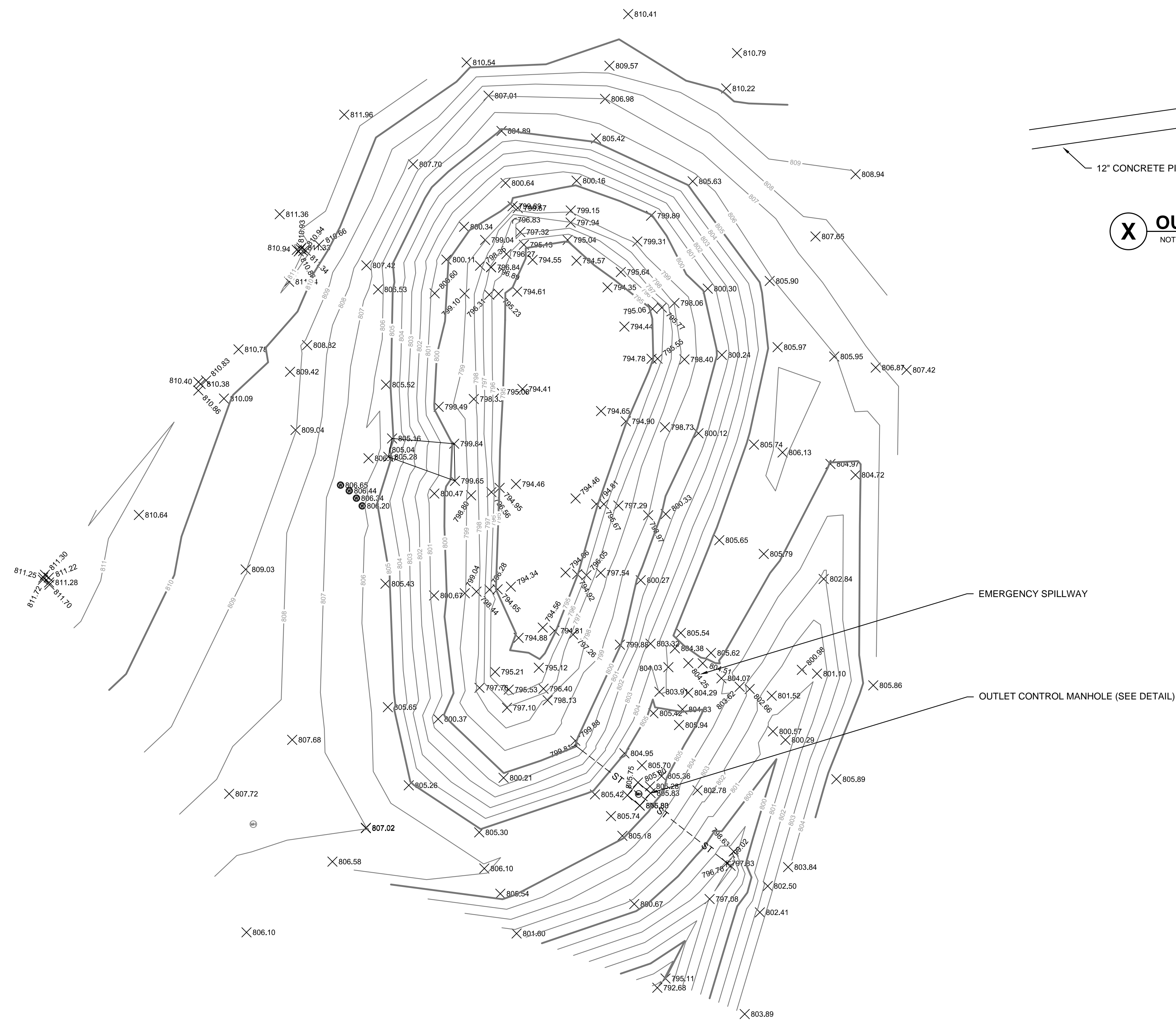
Photo 2: Pond-looking north

LEGEND

- | | | | |
|---|--------------------------|---|----------------------------|
| — | SECTION 1/4 SECTION LINE | — | PROPERTY LINE |
| — | EASEMENT | — | CHAIN LINK FENCE |
| — | GUARD RAIL | — | METAL FENCE |
| — | WOOD FENCE | — | TREE LINE |
| — | OVERHEAD UTILITY LINE | — | ELECTRIC |
| — | TELEPHONE | — | FIBER OPTIC |
| — | CABLE TV | — | SANITARY SEWER |
| — | FORSE MAIN | — | STORM SEWER |
| — | WATER MAIN | — | EXISTING MAJOR CONTOUR |
| — | GAS | — | EXISTING MINOR CONTOUR |
| ○ | MANHOLE | ○ | NON PIPE FOUNDSET |
| ○ | CATCH BASIN | ○ | REBAR FOUNDSET |
| ○ | CATCH BASIN (ROUND) | ○ | CHESELED CROSS FOUNDSET |
| ○ | ROOF DRAIN | ○ | PK NAL FOUNDSET |
| ○ | HYDRANT | ○ | SPRING |
| ○ | WATER VALVE | ○ | MONUMENT |
| ○ | GAS VALVE | ○ | SOIL |
| ○ | UTILITY POLE | ○ | DECIDUOUS TREE (Diameter) |
| ○ | GUY WIRE | ○ | CONIFEROUS TREE (Diameter) |
| ○ | GUY POLE | ○ | BUSH |
| ○ | GAS METER | ○ | POST |
| ○ | ELECTRIC METER | ○ | SOIL BORING |
| ○ | UTILITY PEDESTAL | ○ | MONITORING WELL |
| ○ | MANHOLE | ○ | CULVERT END |
| ○ | TRAFFIC SIGNAL | ○ | LIGHT POLE |

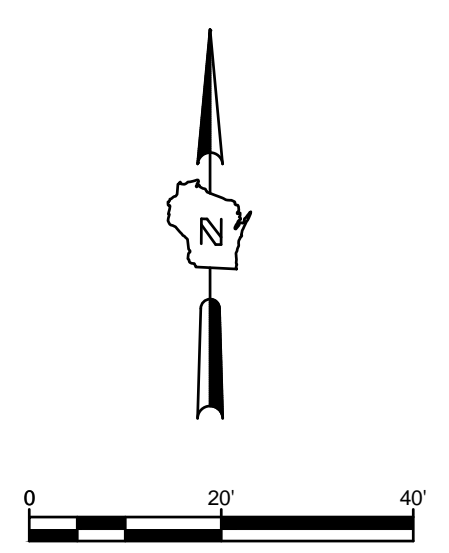


X OUTLET CONTROL MANHOLE
 NOT TO SCALE



Survey Benchmark
 Location: west 1/4 corner of section 2-8-20
 Description: Brass capped monument
 Elevation: 813.21
 Date of Survey: 05/29/2018

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



NO.	REVISION	DATE	BY
1			

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

File: \\Wisconsin Athletic Club\17762_somewater_map\001\Report\17762_Pond Inspection.dwg