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<b>Title:</b>	Authorization to Execute a Contract with Blackstone Contractors to Fabricate and Install New Gray's Bay Dam Plates
<b>Resolution number:</b>	20-034
<b>Prepared by:</b>	Name: Janna Jonely Phone: 952.641.4523 jjonely@minnehahacreek.org
<b>Reviewed by:</b>	Name/Title: Tiffany Schaufler, Project & Land Manager & Michael Hayman, Project Planning Manager
<b>Recommended action:</b>	Authorization to execute a contract with Blackstone Contractors to fabricate and install new plates for the Gray's Bay Dam in the amount of \$6,825 and establish a not-to-exceed budget of \$7,507.
<b>Schedule:</b>	Spring 2020: Fabricate new plates Summer 2020: Install new plates
<b>Budget considerations:</b>	Fund name and code: 200-2003 Project Maintenance and Land Management Fund budget: \$854,762 Expenditures to date: \$23,231 Requested amount of funding: \$7,507 (\$6,825 + 10% contingency)
<b>Past Board action:</b>	Res #: 16-065 Authorization to Enter into a Construction Contract with Blackstone Contractors for Maintenance of the Gray's Bay Dam

**Summary:**

The Gray's Bay Dam (Dam) structure is comprised of three rectangular concrete bays, each of which contains an adjustable stainless steel gate. These Dam gates are adjusted based on the DNR approved operating plan titled, "Headwaters Control Structure Management Policy and Operating Procedures." In accordance with the operating plan, the Dam gates are adjusted up or down based on the desired discharge rate. Currently each bay has a stainless steel plate which is mounted to the concrete walls within the structure. These stainless steel plates provide benchmarks which correspond to the desired discharge rate of water through the dam. The gates are raised or lowered to the calculated benchmark on the plates based on the elevation of Lake Minnetonka and the elevation of the downstream Minnehaha Creek headwaters wetland.

Over 2014-2019, MCWD experienced the wettest six years ever recorded and 2019 was the single wettest year on record. This record setting precipitation has resulted in high water levels on Lake Minnetonka and the Minnehaha Creek headwaters wetland. The sustained high water levels in the lake and wetland throughout the 2019 season identified the need for plates which could provide a greater arc length, so as to accurately set discharge under these high water conditions. High water levels in both the lake and the wetland necessitate raising the Dam gates to higher elevations to achieve discharge rates in accordance with the operating plan. The current plates are approximately 2.33 feet in length and the new plates, designed by Wenck, will be approximately 3.49 feet in length (Attachment A). These extended plates would provide staff the necessary benchmarks for Dam operations should the District again experience a year with similar conditions to 2019.

Blackstone Contractors completed maintenance on the Dam in 2016 and is therefore familiar with the Dam gates and plates. Staff has sought a quote from Blackstone Contractors to fabricate and install the new plates. Blackstone Contractors has provided a quote to fabricate and install each plate for \$2,275, with a total amount of \$6,825 for all three plates. District staff recommends executing a contract with Blackstone Contractors to fabricate and install three plates for an amount of \$6,825 and establish a not-to-exceed amount of \$7,507.

**Supporting documents (list attachments):**

Attachment A: Gray's Bay Dam Arc Opening Plate (Wenck Drawing)

Attachment B: Blackstone Contractors' Quote



**RESOLUTION**

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**Resolution number: 20-034**

**Title: Authorization to Execute a Contract with Blackstone Contractors to Fabricate and Install New Gray's Bay Dam Plates**

- WHEREAS the Minnehaha Creek Watershed District (MCWD) owns and operates the Gray's Bay Dam, a regional flood control structure;
- WHEREAS the Project Maintenance and Land Management program operates and oversees maintenance of the Gray's Bay Dam and budgets for inspection and maintenance of District infrastructure;
- WHEREAS due to increased precipitation patterns, District staff have identified the need to increase the current length of the Gray's Bay Dam plates to accurately set discharge under high water conditions, maintaining flows in accordance with the operating plan;
- WHEREAS Wenck, in its role as District Engineer, has provided an updated Gray's Bay Dam plate drawing to accomplish the goal of improved management of the structure, as set forth by the MCWD;
- WHEREAS in 2016 the District entered into a contract with Blackstone Contractors to perform maintenance on the Gray's Bay Dam;
- WHEREAS given Blackstone Contractors' familiarity with the Gray's Bay Dam and gate structures and plates, District staff sought a quote from them to fabricate and install the new plates;
- WHEREAS Blackstone Contractors has provided a quote of \$6,825 to fabricate and install three new plates.

NOW, THEREFORE, BE IT RESOLVED that the Minnehaha Creek Watershed District Board of Managers authorizes the District Administrator, on advice of counsel, to execute a contract with Blackstone Contractors in the amount of \$6,825 and establish a not-to-exceed budget of \$7,507.

Resolution Number 20-034 was moved by Manager \_\_\_\_\_, seconded by Manager \_\_\_\_\_. Motion to adopt the resolution \_\_\_ ayes, \_\_\_ nays, \_\_\_ abstentions. Date: 4/23/2020

\_\_\_\_\_  
 Secretary Date: April 23, 2020



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SUITE 300  
GOLDEN VALLEY, MN 55427  
PHONE: 763-252-6800  
FAX: 952-831-1268  
WWW.WENCK.COM

SUB CONSULTANT:

CLIENT:  
CLIENT NAME  
CLIENT NAME

**GRAYS BAY DAM  
ARC OPENING PLATE**  
MINNETONKA, MN

PROJECT TITLE:

ISSUE NO:	0
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DESCRIPTION:	ARC OPENING PLATES
DATE:	03/03/2020

CERTIFICATION:  
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY REGISTERED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

LICENSE NO.:

DATE:

PROJECT NO. PROJECT #

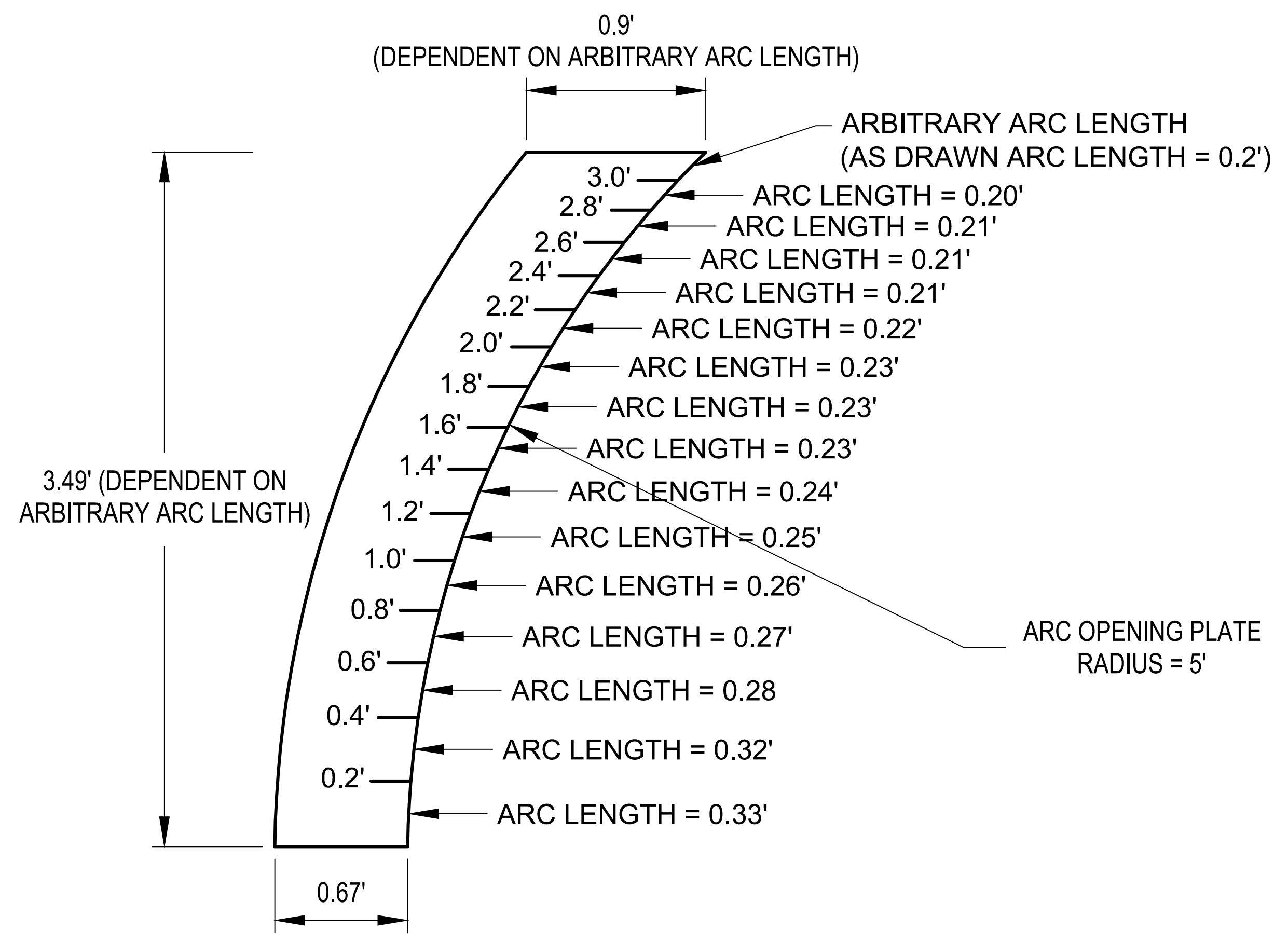
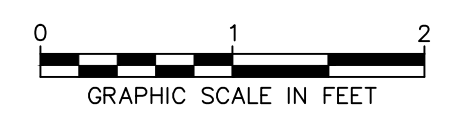
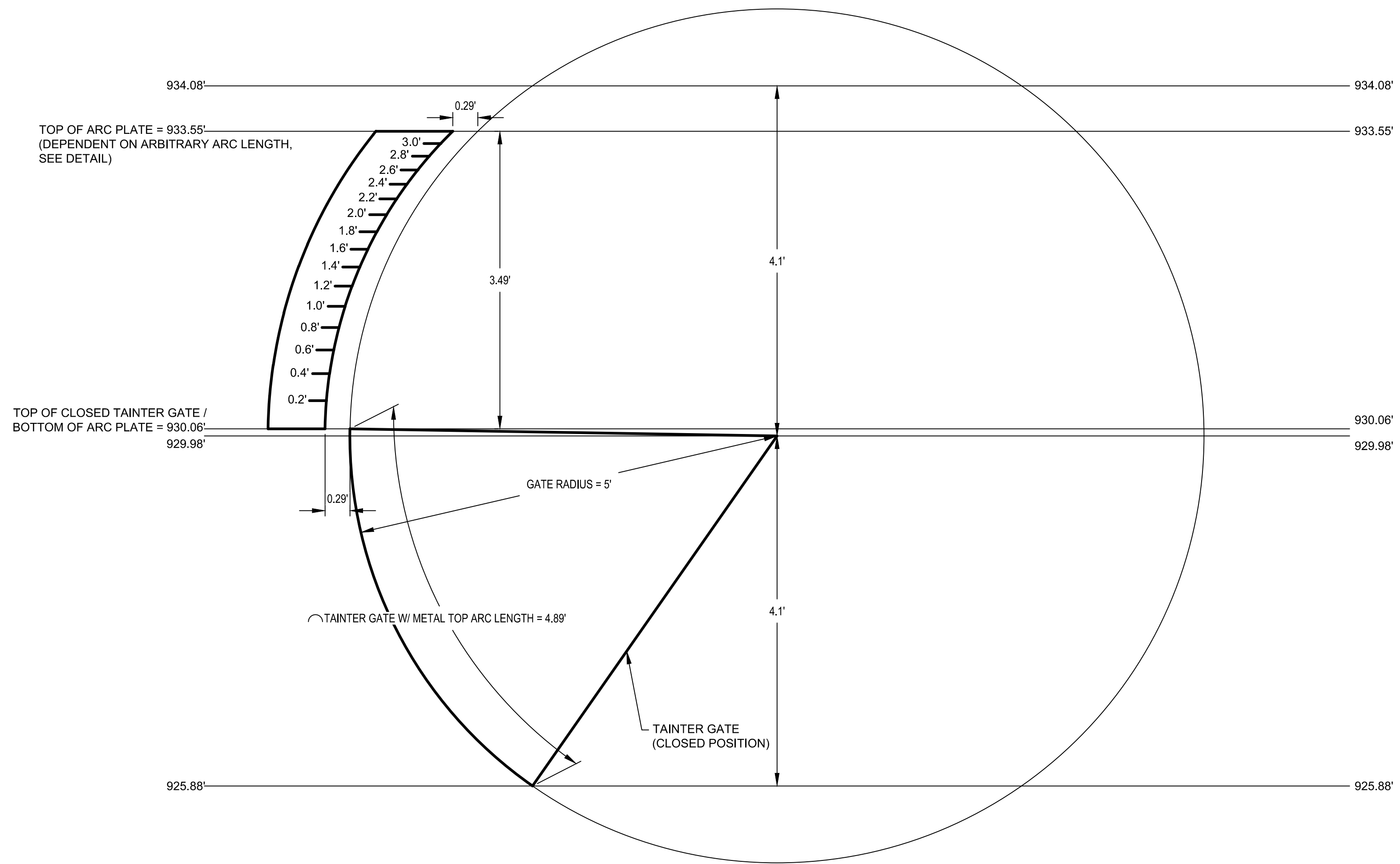
DWN BY:	CHK'D BY:	APP'D BY:
BMB	CJM	CJM

ISSUE DATE: 03/03/2020

ISSUE NO.: 0

SHEET TITLE:  
ARC OPENING PLATE

SHEET NO:  
**FIG-1**





# SPECIALTY CONTRACTING

9520 County Road 19, Suite D  
Loretto, MN 55357

Phone: 763-291-7728  
Fax: 763-445-2107

Date: April 14, 2020

To: Janna Jonely, MCWD

Re: Custom Arc Opening Plates  
Grays Bay Dam

Blackstone Contractors is pleased to provide the following quote for construction services:

- To furnish and supply labor and materials for the installation of (3) custom arc opening plate veneers as shown on Fig 1 drawing dated 03/03/2020 provided by Wenck

Description	Unit Price	Total Amount
(3) 3/8 Stainless cut and engraved plates	2275.00	\$6825.00

- Blackstone Contractors, LLC is a certified DBE contractor with MNUCP.
- Excludes Surveying, Permits, Bonds, Excavation, Soil Correction work, Traffic Control, Testing, Fencing, Landscaping and any work not related to the above items.

Any alteration or deviation from the above specifications involving extra cost will be executed only upon written orders and will become an extra charge. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance upon above work. Note this proposal may be withdrawn by us if not accepted within 10 days.

### Acceptance of Proposal

The above prices, specifications and conditions are satisfactory and hereby accepted. You are authorized to do work as specified. Payment will be outlined in subcontractor agreement. No work will be performed without a subcontractor agreement.

Date: \_\_\_\_\_ Signature: \_\_\_\_\_