

Proposal No. P111402

May 16, 2023

Ms. Paula Hemenway  
Somerset Estates HOA  
PO Box 621  
Niwot, CO 80544

Subject: Scope of Work and Cost Estimate  
Somerset Pond Improvements

Dear Ms. Hemenway:

Engineering Analytics, Inc. (EA) is pleased to present this proposed Scope of Work (SOW) and Cost Estimate for the Somerset Pond Improvements (Project).

## **1.0 PROJECT OVERVIEW**

The Somerset Estates HOA (SEHOA) has requested a scope of work and cost estimate for EA to perform a feasibility study of improvements to the water delivery system at the Somerset Estates. In particular, the SEHOA is interested in the feasibility of installing alternative landscaping and water features in the location of Pond #3, installing a dissipation structure between Pond #2 and the waterfall, and installing a localized pump for recirculation of the waterfall from a new vault just downstream of the waterfall.

## **2.0 SCOPE OF WORK**

EA proposes to perform this pond feasibility study by conceptually analyzing the three components:

1. Replacing Pond #3 with a park area containing stream conveyance features to the waterfall
2. Installing a dissipation structure between Pond #2 and the waterfall
3. Installing a pump for recirculation of the waterfall from a new vault just downstream of the waterfall, in the approximate location of the basin.
4. Preliminary sizing of the vault and pump.
5. Engineer's estimate of cost for the Somerset Pond Improvements.

EA will provide a technical memorandum summarizing our analysis and conclusions.

### 3.0 COST ESTIMATE

The estimated costs for the feasibility study are summarized in Table 1.

**Table 1 Cost Estimate Summary**

<b>Task No.</b>	<b>Description</b>	<b>Subtotal</b>
1	Feasibility Study	\$6,066
<b>Total Cost</b>		<b>\$6,066</b>

### 4.0 CLOSURE

Engineering Analytics looks forward to working with you on this project. We are prepared to begin work on this project immediately. Please feel free to contact us if you have any questions regarding this Scope of Work and Cost Estimate.

Respectfully Submitted,  
**Engineering Analytics, Inc.**



L. Clint Brown, P.E.  
Project Dam and Reservoir Engineer

**Table 1 Engineering Analytics Cost Estimate  
Somerset Ponds Feasibility Study**

		Staff						
			Senior Professional I	Senior Staff I	Admin			
Task	Description	Rate (\$/hr)	\$ 241	\$ 164	\$ 101	Hours	Labor Subtotal	Subtotal
1	Feasibility Study		8	24	2	34	\$ 6,066	\$ 6,066
	Feasibility Study and Technical Memorandum		8	24	2		\$ 6,066	\$ 6,066
<b>Total</b>		<b>Hours</b>	<b>8</b>	<b>24</b>	<b>2</b>	<b>34</b>	<b>\$ 6,066</b>	<b>\$ 6,066</b>