

Amador Regional Sanitation Authority

“Servicing Amador City, Martell, & Sutter Creek”

A G E N D A

MARCH 23, 2022

10:00 A.M. REGULAR Meeting

33 Church Street, Sutter Creek CA 95685

The Agenda can be found on the City of Sutter Creek’s Website: www.cityofsuttercreek.org

THIS MEETING WILL BE CONDUCTED IN-PERSON AT 33 CHURCH STREET

and available by Zoom:

Join Zoom Meeting

<https://us02web.zoom.us/j/9568520224>

or

Dial by phone:

301-715-8592

Meeting ID: 956 852 0224

Public comment will be accepted by email at info@cityofsuttercreek.org. All emails must be received prior to the start of the meeting.

1. CALL TO ORDER AND ESTABLISH A QUORUM – 10:00 AM

2. PLEDGE OF ALLEGIANCE TO THE FLAG

3. PUBLIC FORUM

Discussion items only, no action to be taken. Any person may address the Board at this time upon any subject within the jurisdiction of the Amador Regional Sanitation Authority; however, any matter that requires action may be referred to staff and/or Committee for a report and recommendation for possible action at a subsequent Board meeting. Please note – there is a five (5) minute limit per topic.

4. INFORMATION/CORRESPONDENCE

This section provides informational updates regarding staff activities and operations where no Board action is required.

5. CONSENT AGENDA

Items listed on the consent agenda are considered routine and may be enacted in one motion. Any item may be removed for discussion at the request of the Board or the Public.

- * A. Minutes of February 23, 2022
Recommendation: Approve Minutes of February 23, 2022
- * B. Approval of Warrants
Recommendation: Approve warrants.
- * C. 21-22 Budget Update
Recommendation: For information only.
- * D. System Status Report
Recommendation: For information only.

6. ADMINISTRATIVE MATTERS

- * A. Budget Amendment for design services for Repair of the Henderson underdrain
Recommendation: Adopt Resolution 21-22-* approving Budget Amendment 1.

7. GENERAL MANAGER'S REPORT

8. BOARD MEMBER REPORTS

9. ADJOURNMENT

* *Attachments*

Amador Regional Sanitation Authority

"Servicing Amador City, Martell, & Sutter Creek"

MINUTES SPECIAL MEETING OF THE BOARD OF DIRECTORS February 23, 2022

Present:

Robin Peters, Chairman
Richard Forster, Vice Chairman
Frank Axe, Board Member
Jim Swift, Board Member

Staff Present:

Amy Gedney, General Manager
Karen Darrow, City Clerk

Absent:

Susan Bragstad, Board Member

1. CALL TO ORDER AND ESTABLISH A QUORUM

Meeting called to order by Chairman Peters at 10:07 A.M.

2. PLEDGE OF ALLEGIANCE TO THE FLAG

Chairman Peters led the Pledge of Allegiance.

3. PUBLIC FORUM- None.

4. A. Correspondence:

- 1) Letter from Ione
- 2) Letter from ARSA to the City of Ione and
- 3) Letter to Mule Creek CDCR

5. CONSENT AGENDA

Items listed on the consent agenda are considered routine and may be enacted in one motion. Any item may be removed for discussion at the request of the Board or the Public.

A. Minutes of December 22, 2021

Recommendation: Approve Minutes of December 22, 2021

M/S Axe/Forster to Approve the Minutes of December 22, 2021, as amended.

AYES: Axe, Forster and Peters

NOES: None

ABSTAIN: Swift

ABSENT: Bragstad

MOTION CARRIED

B. Approval of Warrants

Recommendation: Approve warrants.

M/S Axe/Forster to Approve the warrants, as presented.

AYES: Axe, Forster, Swift and Peters
NOES: None
ABSTAIN: None
ABSENT: Bragstad
MOTION CARRIED

C. 21-22 Budget Comparison and Cash Balance Report

Recommendation: For information only.

So noted.

D. System Status Report

Recommendation: For information only.

So noted.

6. ADMINISTRATIVE MATTERS

A. Henderson underdrain repair- status update.

Recommendation: For information only.

General manager Gedney provided an update noting that she expects approval near the end of June.

Board member Forster commented that a discussion needs to happen with Ione so they know diversion is out of the question.

7. GENERAL MANAGER'S REPORT

General Manager Gedney reported that staff has stopped work on the plan of study grant. She spoke with Regional Board staff to explain the predicament and they indicated that grant funding would be available. She noted that the next steps would be to update the plan of study then to present it to the City of Sutter Creek, ARSA and then the State.

General manager Gedney noted that ARSA Attorney Steiner is retiring and would like to introduce a new attorney from her firm that she thinks would be a good fit.

8. BOARD MEMBER REPORTS

Board member Forster requested that the Board be kept updated on the conversation with Ione.

Board member Axe noted that he would like to speak to the Sutter Creek City Council in March.

Board member Peters reported that he and General Manager Gedney continue to meet with the Regional Board to ensure they are understanding ARSA's concerns.

ADJOURNMENT

The meeting was adjourned at 10:52 a.m.

Karen Darrow, Secretary

Robin Peters, Chairman

Date Approved:

Warrant List

March 2022

Name/Account	Type	Num	Date	Paid Amount
Best Best & Krieger, LLP	Check	1646	03/23/2022	
Legal	Bill	927564	02/22/2022	4,229.23
TOTAL				4,229.23
 City of Sutter Creek	Check	1647	03/23/2022	
Contract with COSC	Bill	2022-03	03/07/2022	14,478.33
Overtime				1,184.63
Engineering				472.50
TOTAL				16,135.46
 Hunt & Sons, Inc.	Check	1648	03/23/2022	
Fuel	Bill	313327	02/15/2022	278.09
Fuel	Bill	326405	02/28/2022	197.88
Fuel	Bill	340514	03/15/2022	258.46
TOTAL				734.43
 Weber, Ghio & Associates, Inc.	Check	1649	03/23/2022	
Gen. Engineering	Bill	9814	03/03/2022	112.50
Henderson Dam Repair	Bill	9815	03/03/2022	851.70
Inundatin Study - EAP	Bill	9816	03/03/2022	684.00
TOTAL				1,648.20

Amador Regional Sanitation Authority (ARSA)
Budget vs. Actual
 July 2021 through February 2022

	Budget	Jul '21 - Feb 22	% of Budget	YE Projection
Income				
Interest Income	150.00	106.51	71.0%	150.00
Reimbursed Expenses	19,000.00	23,783.00	125.2%	23,783.00
Use Fee Revenue				
Amador City	18,385.00	13,788.75	75.0%	18,385.00
Amador Water Agency	86,552.00	64,914.00	75.0%	86,552.00
City of Sutter Creek	387,956.00	290,967.00	75.0%	387,956.00
Total Use Fee Revenue	492,893.00	369,669.75	75.0%	492,893.00
Total Income	512,043.00	393,559.26	76.9%	516,826.00
Expense				
Employee Services				
Contract with COSC	173,740.00	101,348.31	58.3%	173,740.00
Overtime	15,000.00	6,058.85	40.4%	12,000.00
Operations				
Audit & Accounting	6,000.00	-	0.0%	-
Contingency	42,192.00	-	0.0%	42,192.00
Engineering				
Inundation mapping	10,000.00	7,086.00	70.9%	10,000.00
Engineering - Other	35,000.00	6,651.50	19.0%	35,000.00
Flood Control	2,000.00	-	0.0%	2,000.00
Fuel	19,000.00	4,030.06	21.2%	15,000.00
General Supplies	500.00	-	0.0%	500.00
Legal	15,000.00	40,255.20	268.4%	45,000.00
Membership Dues	1,700.00	1,606.46	94.5%	1,606.46
O&M Building/Structures	1,500.00	1,200.00	80.0%	1,500.00
Repairs & Maintenance	20,000.00	1,036.96	5.2%	20,000.00
Risk Management - Liability	19,761.00	18,550.49	93.9%	18,550.49
Taxes/Fees/Licenses	55,000.00	23,990.31	43.6%	55,000.00
Tertiary Treatment Fees	70,000.00	33,985.50	48.6%	70,000.00
Vehicle Maintenance	5,000.00	6,794.49	135.9%	7,000.00
Weed Control	1,500.00	-	0.0%	1,500.00
Total Expense	492,893.00	252,594.13	51.2%	510,588.95

ARSA SYSTEM FLOWS
2016 - Present

Item 5D

Date	Sutter Creek WWTP Flow (mg)	Sutter Creek WWTP (ac ft)	Bowers Irrigation (mg)	Volume irrigated (ac ft)	Henderson Freeboard	Volume in Henderson (af)	Henderson Outflow (mg)	Hoskins Irrigation (mg)	Volume irrigated (ac ft)	Mule Creek Inflow (mg)	Preston Freeboard	Preston Volume in Preston (af)	Outflow to lone (mg)	Volume sent to lone (ac ft)	TOTAL Volume in the system	TOTAL USED FOR IRRIGATION
2016																
1/31/2016	19.0	58.2	0.0	0.0	12'1"	155.78	12.4	0.0	0.0	0.0	11'4"	94.7	3.9	12.1	250.47	12.1
2/29/2016	10.7	32.8	0.0	0.0	10'9"	180.9	17.8	0.0	0.0	0.0	8'7"	128.4	4.0	12.4	309.27	12.4
3/31/2016	17.7	54.2	0.0	0.0	8'7"	225.65	15.1	0.0	0.0	0.0	5'7"	171.0	3.4	10.3	396.64	10.3
4/30/2016	10.7	32.8	0.0	0.0	8'5"	229.3	13.7	0.0	0.0	0.0	5'7"	171.0	9.1	27.8	400.29	27.8
5/31/2016	9.3	28.5	0.0	0.0	9'9"	200.95	23.0	0.0	0.0	0.0	7'7"	141.9	27.3	83.8	342.85	83.8
6/30/2016	8.3	25.3	2.9	8.9	14'4"	117.57	32.2	2.2	6.6	0.0	9'8"	114.5	36.0	110.4	232.06	125.9
7/31/2016	9.0	27.6	9.0	27.6	20'1"	43.79	25.4	5.3	16.4	35.9	7'6"	143.1	40.9	125.6	186.84	169.5
8/31/2016	9.2	28.2	9.2	28.2	22'3"	24.88	8.7	3.2	9.9	32.9	8'3"	132.8	44.1	135.4	157.68	173.6
9/30/2016	8.3	25.5	6.3	19.2	25'8"	4.96	10.8	2.2	6.6	10.3	13'2"	75.1	37.5	115.1	80.06	140.9
10/31/2016	11.0	33.8	2.5	7.6	23'2"	18.35	5.9	0.0	0.0	4.0	14'4"	63.83	6.4	19.5	82.18	27.2
11/30/2016	11.2	34.5	0.0	0.0	20'8"	38.22	5.3	0	0.0	0.0	14'2"	65.38	0.0	0.0	103.6	0.0
12/31/2016	16.5	50.5	0.0	0.0	16'8"	83.5	10.4	0.0	0.0	0.0	11'6"	92.82	0.0	0.0	176.32	0.0
Flow (mg) or Annual	140.8	432.0	29.8	91.5			180.8	12.9	39.6	83.2			212.6	652.5		783.5
2017																
1/31/2017	30.9	94.8	0.0	0.0	9'3"	211.4	10.7	0.0	0.0	0.0	6'8"	154.9	0.0	0.0	366.25	0.0
2/28/2017	26.5	81.3	0.0	0.0	4'1"	334.2	10.2	0.0	0.0	0.0	4'4"	190.6	0.0	0.0	524.72	0.0
3/31/2017	15.5	47.6	0.0	0.0	1'5"	408.37	14.1	0.0	0.0	0.0	1'5"	240.4	1.5	4.7	648.74	4.7
4/30/2017	16.1	49.5	0.0	0.0	1'6"	405.9	34.9	0.0	0.0	0.0	1'8"	235.9	5.9	18.2	641.82	18.2
5/31/2017	9.6	29.4	0.0	0.0	3'7"	347.5	38.0	2.7	8.4	0.0	1'2"	244.9	27.4	83.9	592.42	92.4
6/30/2017	8.9	27.3	8.0	24.6	6'7"	271.3	36.0	8.8	27.0	0.0	3'2"	209.8	36.2	111.2	481.07	162.7
7/31/2017	8.6	26.4	8.7	26.7	11'	176.05	35.0	10.7	32.8	0.0	6'11"	151.3	41.8	128.3	327.34	187.8
8/31/2017	8.8	27.0	8.7	26.7	13'9"	126.97	20.6	8.6	26.4	0.0	7'6"	143.1	12.1	37.3	270.02	90.3
9/30/2017	8.7	26.7	8.7	26.7	16'2"	90.32	18.3	11.9	36.5	0.0	6'10	152.5	0.0	0.0	242.81	63.2
10/31/2017	8.0	24.6	8.1	24.9	17'4"	74.8	13.8	9.4	28.8	0.0	9'7"	115.53	17.2	52.6	190.33	106.3
11/30/2017	11.5	35.3	0.9	2.7	14'10"	121.56	9.7	7.4	22.7	0.0	11'1"	97.54	27.2	83.5	219.1	108.9
12/31/2017	9.5	29.2	0.0	0.0	12'9"	143.91		6.3	19.3	0.0	10'6"	104.35	0.0	0.0	248.26	19.3
Flow (mg) or Annual	162.6	499.0	43.1	132.2			241.3	65.8	202.0	0.0			169.3	519.6		853.9
2018																
1/31/2018	13.6	41.7	0	0.0	9'7"	206.1	8.4	0	0	0	8'8"	128.4	0.0	0.0	334.5	0.0
2/28/2018	8.7	26.7	0	0.0	7'10"	240.4	5.1	0	0.0	0	8'3"	133.9	0.0	0.0	374.3	0.0
3/31/2018	22.1	67.8	0	0.0	4'1"	332.9	8.00	0	0.0	0	5'11"	164.1	0.0	0.0	497	0.0
4/30/2018	14.1	43.3	0	0.0	3'9"	342.6	23.8	6.0	18.4	0	3'3"	200.9	1.2	3.5	543.5	21.9
5/31/2018	9.3	28.5	0	0.0	3'10"	340.6	16.9	9.9	30.4	0	8'2"	133.9	27.7	85.0	474.5	115.4
6/30/2018	8.4	25.8	5.3	16.3	5'8"	295.1	21.2	9.6	29.5	0	15'1"	59.6	37.7	115.8	354.7	161.5
7/31/2018	9.3	28.5	9.2	28.2	10'0"	193.7	35.4	9.5	29.2	0	22'0"	17	42.9	131.5	210.7	188.9
8/31/2018	9.7	29.8	9.7	29.8	11'7"	163.6	12	5.8	17.8	0	20'9"	22	0.0	0.0	185.6	47.6
9/30/2018	9	27.6	9	27.6	13'11"	123.9	16	10.7	32.8	0	19'3"	36.2	0.0	0.0	160.1	60.5
10/31/2018	8.9	27.3	8.9	27.3	15'2"	106	16.2	10.0	30.7	0	11'	45.6	0.0	0.0	151.6	58.0
11/30/2018	10.5	32.2	5.8	17.8	15'1"	107.2	14.9	5.6	17.2	0	14'10"	60.9	0.0	0.0	168.1	35.0
12/31/2018	11.7	35.9	0	0.0	13'6"	131.2	15.2	0	0.0	0	11'2"	94.9	0.0	0.0	226.1	0.0
Flow (mg) or Annual	135.3	415.2	47.9	147.0	0		193.1	67.1	205.9	0	0		109.4	335.9		688.8

ARSA SYSTEM FLOWS
2016 - Present

Date	Sutter Creek WWTP Flow (mg)	Sutter Creek WWTP (ac ft)	Bowers Irrigation (mg)	Volume irrigated (ac ft)	Henderson Freeboard	Volume in Henderson (af)	Henderson Outflow (mg)	Hoskins Irrigation (mg)	Volume irrigated (ac ft)	Mule Creek Inflow (mg)	Preston Freeboard	Preston Volume in Preston (af)	Outflow to Ione (mg)	Volume sent to Ione (ac ft)	TOTAL Volume in the system	TOTAL USED FOR IRRIGATION
2019																
1/31/2019	17.4	53.4	0	0	10'5"	185.4	36.7	0	0	0	8'3"	133.9	0	0	319.3	0.0
2/28/2019	23.3	71.5	0	0.0	6'6"	271.9	4.8	0	0.0	0	6'6"	155.5	0	0.0	427.4	0.0
3/31/2019	20.2	62.0	0	0.0	3'6"	350.4	7.6	0	0.0	0	4'8"	179.3	0	0.0	529.7	0.0
4/30/2019	11.9	36.5	0	0.0	2'9"	271.4	15.8	4.2	12.9	0	3'2"	198.8	2	6.1	470.2	19.0
5/31/2019	12.7	39.0	0	0.0	3'6"	350.4	24.0	5.8	17.8	0	4'8"	179.3	20.9	64.1	529.7	81.9
6/30/2019	10	30.7	5.2	16.0	5'10"	288.5	26.5	12.3	37.7	0	7'3"	146.8	29	89.0	435.3	142.7
7/31/2019	7.6	23.3	9.9	30.4	8'11"	217.9	22.9	13.8	42.4	0	14'7"	62.2	40.6	124.6	280.1	197.3
8/31/2019	10	30.7	10	30.7	10'7"	184.2	13.4	11.8	36.2	0	17'2"	40.3	6.2	19.0	224.5	85.9
9/30/2019	9.6	29.5	9.4	28.8	12'6"	148.3	13.7	10.4	31.9	0	17'1"	40.9	0	0.0	189.2	60.8
10/31/2019	9	27.6	9	27.6	14'3"	119.6		12.2	37.4	0	16'5"	52.6	0	0.0	172.2	65.1
11/30/2019	7.2	22.1	5.1	15.7	14'1"	121.6	9.3	5.7	17.5	0	14'11"	58.5	0	0.0	180.1	33.1
12/31/2019	12.6	38.7	0	0.0	12'3"	152.2	0	0	0.0	0	13'2"	75.1	0	0.0	227.3	0.0
Flow (mg) or Annual	151.5	464.9	48.6	149.1	0		174.7	76.2	233.8	0	0		98.7	302.9		685.9
2020																
1/31/2020	10.3	31.6	0	0.0	11'2"	172.9	8.5	0	0	0	12'2"	85.5	0	0	258.4	0.0
2/29/2020.	8	24.6	0	0.0	10'7"	184.2	3.5	0	0.0	0	11'7"	91.9	0	0.0	276.1	0.0
3/31/2020	12.85	39.4	0	0.0	8'11"	214.9	7.4	0	0.0	0	10'1"	108.4	0	0.0	323.3	0.0
4/30/2020	12.61	38.7	0	0.0	7'8"	246.1	6.3	0	0.0	0	10'8"	102.4	8.84	27.1	348.5	27.1
5/31/2020	8.2	25.2	1.4	4.3	8'6"	227.5	4.2	7.5	23.0	0	13'11"	67.8	23.9	73.3	295.3	100.7
6/30/2020	8.3	25.5	8.3	25.5	11'6"	166.5	6.3	5.7	17.5	0	19'6"	25.1	28.9	88.7	191.6	131.7
7/31/2020	8.3	25.5	8.3	25.5	14'11"	108.5	19.2	3.9	12.0	0	15'10"	50.7	0	0.0	159.2	37.4
8/31/2020	8.3	25.5	8.3	25.5	17'11"	67.6	13.3	2.3	7.1	0	14'0"	67	0	0.0	134.6	32.5
9/30/2020	8.2	25.2	8.2	25.2	19'2"	53.3	8.4	2.3	7.1	14	13'0"	76.7	13.9	42.7	130	74.9
10/31/2020	8.8	27.0	8.8	27.0	21'2"	33.7	11.9	2.4	7.4	0	17'9"	63.2	23.4	71.8	96.9	106.2
11/30/2020	9.1	27.9	3.5	10.7	22'	26.8	7.62	2.3	7.1	0	18'8"	30.1	30.7	94.2	56.9	112.0
12/31/2020	9.9	30.4	0	0.0	21'0"	35.9	8.8	0	0.0	0	16'8"	44.1	0	0.0	80	0.0
Flow (mg) or Annual	112.86	346.3	46.8	143.6	0		105.42	26.4	81.0	14	0		129.64	397.8		622.5
2021																
1/31/2021	12.6	38.7	0	0	17'6"	72.7	3.9	0	0.0	0	15'3"	55.6	0	0	128.3	0.0
2/29/2021	10.9	33.4	0	0	16'1"	106	2.6	0	0.0	0	14'9"	60	0	0.0	166	0.0
3/31/2021	11.9	36.5	0	0	13'1"	138.2	3.5	0	0.0	0	14'7"	61.5	0	0.0	199.7	0.0
4/30/2021	10.2	31.3	0	0	14'7"	113.7		0	0.0	0	16'11"	42.2	20.7	63.5	155.9	63.5
5/31/2021	10.7	32.8	6.6	20.3	19'10"	49	27.2	0	0.0	0	21'4"	12.5	36.2	111.1	61.5	131.3
6/30/2021	10.4	31.9	7.4	22.7	21'5"	31.4	8.7	0	0.0	0	20'10"	9.17	1.9	5.8	40.57	28.5
7/31/2021	10.2	31.3	7.1	21.8	22'1"	26.8	3.9	0.154	0.5	0	21'0'	9	0	0.0	35.8	22.3
8/31/2021	10.1	31.0	6.9	21.2	22'6"	27	5.6	2	6.1	0	21'6"	8.5	0	0.0	35.5	27.3
9/30/2021	9.7	29.8	5.2	16.0	23'8"	15.2	6.9	1.7	5.2	0	21'0"	9	0	0.0	24.2	21.2
10/31/2021	13.8	42.3	3.6	11.0	20'5"	40.6	5	0	0.0	0	10'0"	20	0	0.0	60.6	11.0
11/30/2021	11.7	35.9	0	0.0	18'11"	55.99	7.9	0	0.0	0	9'10"	33.9	0	0.0	89.89	0.0
12/31/2021	21.2	65.1	0	0.0	14'2"	120.2		0	0.0	0	14'8"	60.8	0	0.0	181	0.0
Flow (mg) or Annual	143	440	37	113	0		75	4	12	0	0		59	180		305.2
2022																
1/31/2022	12.9	39.6	0	0	12'9"	142.9	6.2	0	0	0	13'9"	69.35	0	0	212.25	0.0
2/29/2022	10.6	32.5	0	0	12'0"	157.3	5.5	0	0	0	12'10"	78.49	0	0	235.79	0.0
3/31/2022																0.0
4/30/2022																0.0
5/31/2022																0.0
6/30/2022																0.0

Amador Regional Sanitation Authority

"Servicing Amador City, Martell, & Sutter Creek"

STAFF REPORT

TO: ARSA BOARD OF DIRECTORS
MEETING DATE: MARCH 23, 2022
FROM: AMY GEDNEY, GENERAL MANAGER
SUBJECT: REVISED MITIGATION REPORTING REQUIREMENTS

RECOMMENDATION:

Adopt Resolution 2021-22-* approving Budget Amendment 1.

BACKGROUND

The Henderson underdrain repair project was completed in 2017 and subsequently put on hold. The design plans were submitted to the Division of Safety of Dams and returned in January 2022.

DISCUSSION:

To complete the comments and resubmit the plans, Stantec has proposed a scope with a not to exceed cost of \$45,580. This is specialized work and needs to be completed so that we can move forward with the repair project.

FISCAL IMPACT:

Staff anticipates cost savings in the current budget, therefore, staff does not anticipate that use of reserves is needed. A contingency of \$42,000 was budgeted and although legal fees are higher than originally anticipated, staff believes that this can be accommodated within the original annual operating budget.

RESOLUTION 20-21-*

**A RESOLUTION OF THE AMADOR REGIONAL SANITATION AGENCY
APPROVING BUDGET AMENDMENT #1, TO AMEND THE 2021-2022 BUDGET
AUTHORIZING THE USE OF CONTINGENCY FUNDS TO BE EXPENDED FOR
DESIGN WORK FOR THE HENDERSON UNDERDRAIN DESIGN**

WHEREAS, the Board of Directors of the Amador Regional Sanitation Authority adopted the 2021-2022 Annual Budget; and

WHEREAS, said Budget allocates line-item expenses for operating expenses; and

WHEREAS, from time to time it is necessary to amend the 2021-2022 Operating Budget; and

NOW THEREFORE BE IT RESOLVED, that the Board of Directors does hereby authorize the following budget adjustment:

- Use of operating contingency operating expenses for the design of the Henderson underdrain repair.

BE IT FURTHER RESOLVED, that the General Manager is hereby authorized to make said adjustments.

The foregoing resolution was duly passed and adopted at a regular meeting of the City Council of the City of Sutter Creek on the 23rd day of March 2022, by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

Robin Peters, Mayor

Karen Darrow, City Clerk

This Agreement is made and entered into effective March 4, 2022 (the "Agreement Date") by and between:

"Client"

Name: Weber Ghio and Associates, Inc.
Address: P.O. Box 251, San Andreas, CA 95249
Phone: 209-754-1824
Representative: Matt Ospital, President Email: m.ospital@wgainc.net

"Stantec"

Name: Stantec Consulting Services Inc.
Address: 101 Providence Mine Road, Suite 202, Nevada City, CA 95959
Phone: 530-913-9197
Representative: Gabe Aronow, Principal Email: gabe.aronow@stantec.com

Project Name (the "Project"):

Henderson Reservoir Outlet Improvement 100% Slip Lining Design, ARSA, 184032209

DESCRIPTION OF WORK: Stantec shall render the services described in Attachment "A" (hereinafter called the "Services") in accordance with this Agreement. Stantec may, at its discretion and at any stage, engage subconsultants to perform all or any part of the Services. The Client and Stantec by written amendment to this Agreement may from time to time make changes to the Services. All changed work shall be carried out under this Agreement. The time for completion of the Services shall be adjusted accordingly.

COMPENSATION: Charges for the Services rendered will be made in accordance with the Contract Price indicated in Attachment "A", or, if no Contract Price is indicated, in accordance with Stantec's Schedule of Fees and Disbursements in effect from time to time as the Services are rendered.

Invoices shall be paid by the Client in the currency of the jurisdiction in which the Services are provided without deduction or setoff upon receipt. Failure to make any payment when due is a material breach of this Agreement and will entitle Stantec, at its option, to suspend or terminate this Agreement and the provision of the Services. Interest will accrue on accounts overdue by 30 days at the lesser of 1.5 percent per month (18 percent per annum) or the maximum legal rate of interest. The Client will make payment by Electronic Funds Transfer when requested by Stantec.

REPRESENTATIVES: Each party shall designate in the space provided above a representative who is authorized to act on behalf of that party and receive notices under this Agreement. Such representatives have complete authority to act on behalf of their principals in respect to all matters arising under this Agreement.

NOTICES: All notices, consents, and approvals required to be given hereunder shall be in writing and shall be given to the representatives of each party. All notices required by this Agreement to be given by either party shall be deemed to be properly given and received within two (2) business days if made in writing to the other party by certified mail or email, addressed to the regular business address of such party as identified above.

CLIENT'S RESPONSIBILITIES: The Client shall provide to Stantec in writing, the Client's total requirements in connection with the Project, including the Project budget and time constraints. The Client shall make available to Stantec all relevant information or data pertinent to the Project which is required by Stantec to perform the Services. Stantec shall be entitled to rely upon the accuracy and completeness of all information and data furnished by the Client, including information and data originating with other consultants employed by the Client whether such consultants are engaged at the request of Stantec or otherwise. Where such information or data originates either with the Client or its consultants then Stantec shall not be responsible to the Client for the consequences of any error or omission contained therein.

When required by Stantec, the Client shall engage specialist consultants directly to perform items of work necessary to enable Stantec to carry out the Services. Whether arranged by the Client or Stantec, these services shall be deemed to be provided under direct contracts to the Client unless expressly provided otherwise.

The Client shall give prompt consideration to all documentation related to the Project prepared by Stantec and whenever prompt action is necessary shall inform Stantec of Client's decisions in such reasonable time so as not to delay the schedule for providing the Services.

When applicable, the Client shall arrange and make provision for Stantec's entry to the Project site as well as other public and private property as necessary for Stantec to perform the Services. The Client shall obtain any required approvals, licenses and permits from governmental or other authorities having jurisdiction over the Project so as not to delay Stantec in the performance of the Services.

STANTEC'S RESPONSIBILITIES: Stantec shall furnish the necessary qualified personnel to provide the Services. Stantec represents that it has access to the experience and capability necessary to and agrees to perform the Services with the reasonable skill and diligence required by customarily accepted professional practices and procedures normally provided in the performance of the Services at the time when and the location in which the Services were performed. This undertaking does not imply or guarantee a perfect Project and in the event of failure or partial failure of the product or the Services, Stantec will be liable only for its failure to exercise diligence, reasonable care, and professional skill. This standard of care is the sole and exclusive standard of care that will be applied to measure Stantec's performance. There are no other representations or warranties expressed or implied made by Stantec. In particular, but not by way of limitation, no implied warranty of merchantability or fitness for a particular purpose shall apply to the Services provided by Stantec nor shall Stantec warrant or guarantee economic, market or financial conditions, proforma projections, schedules for public agency approvals, or other factors beyond Stantec's reasonable control. Stantec does not warrant the Services to any third party and the Client shall indemnify and hold harmless Stantec from any demands, claims, suits, or actions of third parties arising out of Stantec's performance of the Services.

In performing the Services under this Agreement, Stantec shall operate as and have the status of an independent contractor and shall not act as or be an employee of the Client.

TERMINATION: Stantec may terminate this Agreement without cause upon thirty (30) days' notice in writing. If either party breaches this Agreement, the non-defaulting party may terminate this Agreement after giving seven (7) days' notice to remedy the breach. On termination of this Agreement, the Client shall forthwith pay Stantec for the Services performed to the date of termination. Non-payment by the Client of Stantec's invoices within 30 days of Stantec rendering same is agreed to constitute a material breach of this Agreement and, upon written notice as prescribed above, the duties, obligations, and responsibilities of Stantec are terminated.

SUSPENSION OF SERVICES: If the project is suspended for more than thirty (30) calendar days in the aggregate, Stantec shall be compensated for services performed and charges incurred prior to receipt of notice to suspend and, upon resumption, an equitable adjustment in fees to accommodate the resulting demobilization and remobilization costs. In addition, there shall be an equitable adjustment in the project schedule based on the delay caused by the suspension. If the Project is suspended for more than ninety (90) days, Stantec may, at its option, terminate this agreement upon giving notice in writing to the Client.

ENVIRONMENTAL: Except as specifically described in this Agreement, Stantec's field investigation, laboratory testing and engineering recommendations will not address or evaluate pollution of soil or pollution of groundwater.

Where the Services include storm water pollution prevention (SWPP), sedimentation or erosion control plans, specifications, procedures or related construction observation or administrative field functions, Client acknowledges that such Services proposed or performed by Stantec are not guaranteed to provide complete SWPP, sedimentation or erosion control, capture all run off or siltation, that any physical works are to be constructed and maintained by the Client's contractor or others and that Stantec has no control over the ultimate effectiveness of any such works or procedures. Except to the extent that there were errors or omissions in the Services provided by Stantec, Client agrees to indemnify and hold Stantec harmless from and against all claims, costs, liabilities, or damages whatsoever arising from any storm water pollution, erosion, sedimentation, or discharge of silt or other deleterious substances into any waterway, wetland or woodland and any resulting charges, fines, legal action, cleanup, or related costs.

In the prosecution of work, Stantec will take reasonable precautions to avoid damage to subterranean structures or utilities. However, it is the responsibility of the Client to provide Stantec with assistance in locating underground structures and utilities in the vicinity of any construction, exploration, or investigation. Stantec shall also rely upon third party sources in order to determine the existence and location of any underground structures and utilities of any kind. The Client acknowledges and agrees that Stantec may rely on such third-party advice, so long as such third party is, in Stantec's opinion, a reasonable source for such information, without any requirement that Stantec shall make an independent evaluation or investigation of such underground structures and utilities. In the event that the information supplied by third parties is incorrect, the Client acknowledges that Stantec shall not be responsible for any damages done to any such underground structures or utilities. If neither party can confirm the location of such structures and utilities, the Client agrees to accept all liabilities, costs, expenses and damages, whether direct, indirect, economic, punitive, incidental, special, exemplary or consequential, associated with the repair, replacement or restoration of any damages to such structures and utilities caused by Stantec or its subcontractor(s) or subconsultant(s) in the performance of the Services and the Client agrees to defend, indemnify and hold Stantec harmless from any such damages.

BUILDING CODES, BYLAWS AND OTHER PUBLIC REGULATIONS: Stantec shall, to the best of its ability, interpret building codes, by-laws, and other public regulations as they apply to the Project and as they are published at the time Services commence. Furthermore, Stantec shall observe and comply with all applicable laws, ordinances, codes, and regulations of government agencies, including federal, state, provincial, municipal, and local governing bodies having jurisdiction over the conduct of the Services ("LAWS"). However, it is expressly acknowledged and agreed by the Client that as the Project progresses such building codes, by-laws, other public regulations, and LAWS may change or the interpretation of any public authority may differ from the interpretation of Stantec, through no fault of Stantec, and any extra costs

necessary to conform to such changes or interpretations during or after execution of the Services will be paid by the Client.

Stantec shall continue to provide equal employment opportunity to all qualified persons and to recruit, hire, train, promote and compensate persons in all jobs without regard to race, color, religion, sex, age, disability or national origin or any other basis prohibited by applicable laws.

COST AND SCHEDULE OF CONSTRUCTION WORK: In providing opinions of probable cost and project schedule, it is recognized that neither the Client nor Stantec has control over the costs of labor, equipment, or materials, or over the Contractor's methods of determining prices or time. The opinions of probable cost or project duration are based on Stantec's reasonable professional judgment and experience and do not constitute a warranty, express or implied, that the Contractors' bids, project schedules, or the negotiated price of the Work or schedule will not vary from the Client's budget or schedule or from any opinion of probable cost or project schedule prepared by Stantec. Exact costs and times will be determined only when bids have been received for the Project and when the construction work has been performed and payments finalized.

LATENT DEFECTS: Client agrees that Stantec is not responsible for the routine operations and maintenance of Client's facilities and Consultant assumes no responsibility for, and makes no representation or warranty, express or implied, that, such facilities are safe or without latent defects or deficiencies. The condition of the facility and recommended modifications will be based on observations of field conditions made under operating conditions and water levels at the time Services are rendered, along with data available to the Consultant during the course of the Project. Consultant disclaims any liability for any latent defects or deficiencies which are not reasonably discoverable under generally accepted industry standards or which could not reasonably have been identified pursuant to other applicable inspection criteria. Any assessments of the facilities are limited in terms of accuracy to the time, scope and purpose for which the assessment was prepared.

OPERATION AND MAINTENANCE: The condition of the Project following completion of design and construction depends on numerous and changing internal and external conditions, requiring regular inspection and upkeep. Client is solely responsible for the routine operations and maintenance of the Project facilities and Stantec disclaims any liability arising from a deficiency in the performance of such operation and maintenance obligations.

INDEMNITY: The Client releases Stantec from any liability and agrees to defend, indemnify, and hold Stantec harmless from any and all claims, damages, losses, and/or expenses, direct and indirect, or consequential damages, including but not limited to attorney's fees and charges and court and arbitration costs, arising out of, or claimed to arise out of, the performance of the Services, excepting liability arising from the negligence or willful misconduct of Stantec.

LIMITATION OF LIABILITY: It is agreed that, to the fullest extent possible under the applicable law, the total amount of all claims (including any and all costs associated with such claims such as attorney and expert fees and interest) the Client may have against Stantec under this Agreement or arising from the performance or non-performance of the Services under any theory of law, including but not limited to claims for negligence, negligent misrepresentation and breach of contract, shall be strictly limited to the lesser of the fees paid to Stantec for the Services or \$500,000. No claim may be brought against Stantec in contract or tort more than two (2) years after the cause of action arose. As the Client's sole and exclusive remedy under this Agreement any claim, demand or suit shall be directed and/or asserted only against Stantec and not against any of Stantec's employees, officers, or directors.

Stantec's liability with respect to any claims arising out of this Agreement shall be absolutely limited to direct damages arising out of the Services and Stantec shall bear no liability whatsoever for any consequential loss, injury or damage incurred by the Client, including but not limited to claims for loss of use, loss of profits and loss of markets.

In no event shall Stantec's obligation to pay damages of any kind exceed its proportionate share of liability for causing such damages.

DOCUMENTS: All documents prepared by Stantec or on behalf of Stantec in connection with the Project are instruments of service for the execution of the Project. Stantec retains the property and copyright in these documents, whether the Project is executed or not. Payment to Stantec of the compensation prescribed in this Agreement shall be a condition precedent to the Client's right to use documentation prepared by Stantec. These documents may not be used for any other purpose without the prior written agreement of Stantec. The Client shall have a permanent non-exclusive, royalty-free license to use any concept, product or process which is patentable or capable of trademark, produced by or resulting from the Services rendered by Stantec in connection with the Project, for the life of the Project. The Client shall not use, infringe upon, or appropriate such concepts, products or processes without the express written agreement of Stantec. In the event Stantec's documents are subsequently reused or modified in any material respect without the prior consent of Stantec, the Client agrees to indemnify Stantec from any claims advanced on account of said reuse or modification.

Any document produced by Stantec in relation to the Services is intended for the sole use of Client. The documents may not be relied upon by any other party without the express written consent of Stantec, which may be withheld at Stantec's discretion. Any such consent will provide no greater rights to the third party than those held by the Client under the contract and will only be authorized pursuant to the conditions of Stantec's standard form reliance letter.

Stantec cannot guarantee the authenticity, integrity or completeness of data files supplied in electronic format ("Electronic Files"). Client shall release, indemnify, and hold Stantec, its officers, employees, consultants, and agents harmless from any claims or damages arising from the use of Electronic Files. Electronic files will not contain stamps or seals, remain the property of Stantec, are not to be used for any purpose other than that for which they were transmitted, and are not to be retransmitted to a third party without Stantec's written consent.

PROJECT PROMOTION: Where the Client has control or influence over construction signage, press releases and/or other promotional information identifying the project ("Project Promotion"), the Client agrees to include Stantec in such Project Promotion.

FORCE MAJEURE: Any default in the performance of this Agreement caused by any of the following events and without fault or negligence on the part of the defaulting party shall not constitute a breach of contract: labor strikes, riots, war, acts of governmental authorities, unusually severe weather conditions or other natural catastrophe, disease, epidemic or pandemic, or any other cause beyond the reasonable control or contemplation of either party. Nothing herein relieves the Client of its obligation to pay Stantec for services rendered.

GOVERNING LAW: This Agreement shall be governed, construed, and enforced in accordance with the laws of the jurisdiction in which the majority of the Services are performed.

DISPUTE RESOLUTION: If requested in writing by either the Client or Stantec, the Client and Stantec shall attempt to resolve any dispute between them arising out of or in connection with this Agreement by entering into structured non-binding negotiations with the assistance of a mediator on a without prejudice basis. The mediator shall be appointed by agreement of the parties. The Parties agree that any actions under this Agreement will be brought in the appropriate court in the jurisdiction of Governing Law, or elsewhere by mutual agreement. Nothing herein however prevents Stantec from any exercising statutory lien rights or remedies in accordance with legislation where the project site is located.

ATTORNEYS FEES: In the event of a dispute hereunder, the prevailing party is entitled to recover from the other party all costs incurred by the prevailing party in enforcing this Agreement and prosecuting the dispute, including reasonable attorney's and expert's fees, whether incurred through formal legal proceedings or otherwise.

ASSIGNMENT AND SUCCESSORS: The Client shall not, without the prior written consent of Stantec, assign the benefit or in any way transfer the obligations of this Agreement or any part hereof. This Agreement shall inure to the benefit of and be binding upon the parties hereto, and except as otherwise provided herein, upon their executors, administrators, successors, and assigns.

PROTECTION OF PRIVACY LAWS: The parties acknowledge that information relating to an identified or identifiable person ("Personal Information") may be exchanged in the course of this Project pursuant to this Agreement.

The party disclosing Personal Information (the "Disclosing Party") warrants that it has all necessary authorizations and approvals required to process and disclose the Personal Information and to enable the party receiving the Personal Information (the "Receiving Party") to process it in performing the Services. The Disclosing Party will provide the Receiving Party with written notice containing the details of what Personal Information will be provided.

The Receiving Party will comply with any reasonable instruction from the Disclosing Party in respect of such Personal Information and implement appropriate technical and organization measures to protect the Personal Information against unauthorized or unlawful processing and accidental loss, theft, use, disclosure, destruction and/or damage.

The Receiving Party shall be permitted, upon prior written consent of the Disclosing Party, to transfer Personal Information outside the jurisdiction if required for performance of the Services provided that such transfers are in accordance with relevant and applicable requirements under applicable legislation. The Receiving Party shall provide the Disclosing Party with full cooperation and assistance in meeting its obligations under applicable privacy legislation, including in relation to the security of processing, the notification of Personal Information breaches, the notification of requests from individuals and Personal Information protection impact assessments.

On termination of this Agreement, the Receiving Party shall cease processing Personal Information and shall delete and destruct or return to the Disclosing Party (as the Disclosing Party may require) all Personal Information held or processed by the Receiving Party on the Disclosing Party's behalf. It is understood however, that the Receiving Party may need to keep a copy of all Personal Information for legal purposes and therefore it will continue to take reasonable steps to protect the Personal Information as outlined herein and will proceed with the destruction of the Personal Information within a reasonable period of time if there is no longer any legal justification to keep the Personal Information.

Nothing herein relieves either party from their responsibilities for compliance with applicable privacy legislation.

ENTIRE AGREEMENT: This Agreement constitutes the sole and entire agreement between the Client and Stantec relating to the Project and supersedes all prior agreements between them, whether written or oral respecting the subject matter hereof and no other terms, conditions, or warranties, whether express or implied, shall form a part hereof. This Agreement may be amended only by written instrument signed by both the Client and Stantec. All attachments referred to in this Agreement are incorporated herein by this reference; however, in the event of any conflict between attachments and the terms and conditions of this Agreement, the terms and conditions of this Agreement shall take precedence.

SEVERABILITY: If any term, condition, or covenant of this Agreement is held by a court of competent jurisdiction to be invalid, void, or unenforceable, the remaining provisions of this Agreement shall be binding on the Client and Stantec.

CONTRA PROFERENTEM: The parties agree that in the event this Agreement is subject to interpretation or construction by a third party, such third party shall not construe this Agreement or any part of it against either party as the drafter of this Agreement.

BUSINESS PRACTICES: Each Party shall comply with all applicable laws, contractual requirements and mandatory or best practice guidance regarding improper or illegal payments, gifts or gratuities, and will not pay, promise to pay or authorize the payment of any money or anything of value, directly or indirectly, to any person (whether a government official or private individual) or entity for the purpose or illegally or improperly inducing a decision or obtaining or retaining business in connection with this Agreement or the Services.

THE PARTIES EXPRESSLY ACKNOWLEDGE THAT THIS AGREEMENT CONTAINS LIMITATION OF LIABILITY PROVISIONS RESTRICTING RIGHTS FOR THE RECOVERY OF DAMAGES.

The Parties, intending to be legally bound, have made, accepted, and executed this Agreement as of the Agreement Date noted above.

Weber Ghio and Associates, Inc.

Stantec Consulting Services Inc.

Matt Ospital, President
Print Name and Title

Signature

Gabe Aronow, Principal
Print Name and Title

Signature

_____ 

Print Name and Title

Signature

Print Name and Title

Signature

Attached to and forming part of the Agreement BETWEEN:

Weber Ghio and Associates, Inc.

(Hereinafter called the "Client")

- and -

Stantec Consulting Services Inc.

(Hereinafter called "Stantec")

EFFECTIVE: March 4, 2022

This Attachment details the Services, Contract Time, Contract Price, Additional Conditions and Additional Attachments forming part of the above-described Agreement.

SERVICES: Stantec shall perform the following Services:

Scope per attached 4 March 2022 letter scope, fee, and rates with Reference: Amador Regional Sanitation Authority (ARSA) Henderson Reservoir Outlet Improvement 100% Slip Lining Design

(Hereinafter called the "Services")

CONTRACT TIME: Commencement Date: 4 March 2022

Estimated Completion Date: 31 December 2023

CONTRACT PRICE: Subject to the terms below, Client will compensate Stantec as follows:

Not to exceed fee of \$45,580 per attached 4 March 2022 letter scope, fee, and rates with Reference: Amador Regional Sanitation Authority (ARSA) Henderson Reservoir Outlet Improvement 100% Slip Lining Design

Where not stated as being included in the fees, project specific subconsultant, contractor, lab and other similar third-party charges will be charged as invoiced to Stantec with a ten percent (10%) markup.

Unless otherwise noted, the fees in this agreement do not include any value added, sales, or other taxes that may be applied by Government on fees for services. Such taxes will be added to all invoices as required.

Where the Services or services conditions change, Stantec shall submit to the Client in a timely manner, documentation of the revisions to Attachment "A" adjusting the Contract Services Time and Price as required.

Unless otherwise specified, charges for Services are based on Stantec's hourly billing rate table ("Rate Table"), attached hereto. The Rate Table is subject to escalation from time to time. At a minimum, effective each January 1 during the term of this Agreement, Stantec's charges for Services shall escalate by either (a) the most current Consumer Price Index year over year percentage increase, not seasonally adjusted, for the preceding July, all items, as published by Statistics Canada (for Projects in Canada) plus 1.0%, or (b) the most current Consumer Price Index for All Urban Consumers (CPI-U) year over year percentage increase, not seasonally adjusted, for the preceding July, as published by the U.S. Bureau of Labor Statistics plus 1.0% (for all other projects).

ADDITIONAL
CONDITIONS:

The following additional conditions shall be read in conjunction with and constitute part of this Agreement:

COVID-19: The parties acknowledge the ongoing COVID-19 pandemic and agree that the CONTRACT PRICE and CONTRACT TIME are based on what is currently understood. Where

**PROFESSIONAL SERVICES AGREEMENT
ATTACHMENT "A"**

conditions change, the parties may have further discussions to manage and mitigate the impact of this evolving situation on the Project.

**ADDITIONAL
ATTACHMENTS:**

The following additional attachments shall be read in conjunction with and constitute part of this Agreement:

4 March 2022 letter scope, fee, and rates with Reference: Amador Regional Sanitation Authority (ARSA) Henderson Reservoir Outlet Improvement 100% Slip Lining Design

**INSURANCE
REQUIREMENTS:**

Before any services are provided under this agreement, Stantec shall procure, and maintain insurance coverage during the term of this agreement.



Stantec Consulting Services Inc.
1340 Treat Boulevard, Suite 300, Walnut Creek, CA 94597

March 4, 2022
File: 184032209

Attention: Mr. Matt Ospital, PE
WGA, Inc.
San Andreas, CA 95249

Dear Mr. Ospital,

Reference: Amador Regional Sanitation Authority (ARSA) Henderson Reservoir Outlet Improvement 100% Slip Lining Design

We are pleased to have the opportunity to present this scope and fee for professional engineering services relating to the subject project. The subject project was completed to a 100% design level in 2017. New DSOD comments on the 100% design were received in January 2022. Given the elapsed time between the previous design deliverable and the recent comments that include design additions and development of workplans, re-baselining the effort to complete the design is necessary. The purpose of this scope is to provide an estimate of scope and time required to address the new DSOD comments and finalize the design. Scope for bid and construction support would be provided under separate cover. The following outlines the main scope items anticipated to be needed to complete the design.

Task 1 – Project Management and Meetings

- Stantec will participate in a meeting with DSOD at the completion of design to discuss the final design. A one-hour meeting is assumed to be attended by two Stantec staff virtually.
- Project schedule, deliverables, and budget will be tracked, and invoicing provided
- Internal meetings for coordination of work

Task 2- Finalize Design - Incorporation of DSOD Comments and Design Completion

- Workplans
 - Create workplan to locate upstream end of old existing 16-inch outlet pipe
 - Create a workplan exposing upstream end of pipe and grouting plan (provisional on being able to locate pipe)
 - Create a workplan for monitoring water seepage from downstream end of pipe (provisional on being able to locate pipe)

Design with community in mind



March 4, 2022

Page 2 of 3

Reference: Amador Regional Sanitation Authority Henderson Reservoir Outlet Improvement 100% Slip Lining Design

- Drawing Modifications
 - Develop single detail for connection of sliplined pipe to new concrete encased HDPE pipe
 - Develop detail for reinforced concrete encasement of HDPE pipe
 - Develop detail for blowoff point of the outlet
 - Develop detail for grouting bulkhead
 - Review grout pipe diameter and material and revise as needed per comments, develop new spacer detail
 - Develop detail for 16-inch HDPE connection to intake
 - Review flexible connection options for 16-inch HDPE to 20-inch DI and develop detail for connection
 - Revision of drawings to include intake structure, embankment line, and other items listed in the comments
- Specifications
 - Create 4 new specifications (cast in place concrete, concrete forms and accessories, concrete reinforcement, flexible connections)
 - Revision of specifications to address other DSOD comments not captured above
- Calculations
 - Design of reinforced concrete encasement of HDPE pipe
- Schedule and OPCC
 - Update schedule and OPCC to incorporate changes described above and to adjust for anticipated construction period

Proposed Fee

It is suggested that the budget consistent with the table below be established for scope outlined herein.



March 4, 2022

Page 3 of 3

Reference: Amador Regional Sanitation Authority Henderson Reservoir Outlet Improvement 100% Slip Lining Design

Proposed Fee

Deliverable	Budget
Total, including \$5,000 contingency	\$45,580

Assumptions for this Scope of Work

- ARSA will coordinate with DSOD
- ARSA will facilitate site access
- ARSA will provide all required front-end specifications and tender documents necessary other than the drawings and technical specifications prepared by Stantec
- All deliverables will be provided electronically
- Bid and construction support are not included

Regards,

Gabe Aronow, PE
Principal
Gabe.Aronow@stantec.com
530-913-9197

Anil Dean, PE
Vice President
Anil.Dean@stantec.com
925-296-2177

ATTACHMENT A: Budget Table

**Cost Proposal for Engineering Services
for ARSA Henderson Reservoir Outlet Repair Evaluation
Exhibit A**



ARSA Henderson Reservoir Outlet Slip Lining Repair Design Revisions		Engineering Services								TOTAL HOURS	Total Stantec Labor	Direct Costs / Materials	TOTAL
		Project Manager Gabe Aronow, P.E.	Peer Reviewer Daniel Gilbert	Lead Engineer / Technical Specialist Anil Dean, P.E., G.E.	Pipeline Engineer / Structural Engineer	Junior Engineer	Cost Estimator and Scheduler	CAD Technician	Admin				
Hourly Rate		\$261	\$262	\$262	\$226	\$209	\$190	\$177	\$155				
TASK 1 - DESIGN SERVICES													
1	Project Management and Meetings	12		2		4			4	22.0	\$5,112		\$5,112
2	Workplans												
	Workplan to locate upstream end of old existing 16-inch outlet pipe		0.5	2		8				10.5	\$2,327		\$2,327
	Workplan exposing upstream end of pipe and grouting plan		0.5	2		8				10.5	\$2,327		\$2,327
	Workplan for monitoring water seepage from downstream end of pipe		0.5	2		8				10.5	\$2,327		\$2,327
3	Drawings												
	Develop single detail for connection of slip line pipe to new concrete encased HDPE pipe		0.5	1	2			4		7.5	\$1,553		\$1,553
	Develop detail for reinforced concrete encasement of HDPE pipe		0.5	1	4			4		9.5	\$2,005		\$2,005
	Develop detail for blowoff point of the outlet		0.5	1	2			4		7.5	\$1,553		\$1,553
	Develop detail for grouting bulkhead		0.5	1		2		4		7.5	\$1,519		\$1,519
	Review grout pipe diameter and material and revise as needed per comments, develop new spacer detail		0.5	2		2		4		8.5	\$1,781		\$1,781
	Develop detail for 16-inch HDPE connection to intake		0.5	2	2			4		8.5	\$1,815		\$1,815
	Review flexible connection options for 16-inch HDPE to 20-inch DI and develop detail for connection		0.5	4		8		8		20.5	\$4,267		\$4,267
	Revision of drawings to address other DSOD comments not captured above.		0.5	2		8		8		18.5	\$3,743		\$3,743
4	Specifications												
	New specifications (cast in place concrete, concrete forms and accessories, concrete reinforcement, flexible connections)		0.5	2	4	8			4	18.5	\$3,851		\$3,851
	Revision of specifications to address other DSOD comments not captured above			2		4			2	8.0	\$1,670		\$1,670
5	Calculations		0.5		4					4.5	\$1,035		\$1,035
6	Update Schedule and OPCC		0.5	2			16			18.5	\$3,695		\$3,695
7	Contingency									0.0	\$5,000		\$5,000
Subtotal		12.0	7.0	28.0	18.0	60.0	16.0	40.0	10.0	191.0	\$45,580	\$0	\$45,580
TOTAL ESTIMATED HOURS & FEE													
		12.0	7.0	28.0	18.0	60.0	16.0	40.0	10.0	191.0	\$45,580	\$0	\$45,580

Notes:

1. Work effort does not include inherent scope contingency, except where explicitly identified in Task 7.
2. All deliverables are assumed to be electronic.