

December 15, 2023

City of Placerville
549 Main St.
Placerville, 95667 CA

Attn: Terry Zeller,
530-642-5232 x 5540

Re: Lions Park, Placerville, CA.

Dear Terry,

Thank you for the opportunity to provide you with a proposal for irrigation design services. Regarding the above referenced project, please find our irrigation design service descriptions and the fee associated. All irrigation drawings will be documented in a cad drafted format, and in conformance with local water conservation ordinance requirements. The service descriptions are as follows:

1. Preliminary site visit

Our scope of work will include:

- A. Review site conditions.
- B. Locate existing irrigation to remain in service.
- C. Locate connection points to existing mainline, water meter, etc.
- D. Inspect existing controller for compliance with State Model Water Efficient Landscape Ordinance.
- E. Meeting with City staff to review project scope.
- F. Verify water pressure on site at existing backflow.

2. 50% Construction Documentation:

Our scope of work will include:

- A. Base map information to be provided by City.
- B. Water pressure verification and demand analysis.
- C. Mainline layout and sizing.
- D. Preliminary remote control valve locations and quantities.
- E. Preliminary layout of all irrigation sprinklers, drip line and bubblers.
- F. Preliminary irrigation equipment legend, general installation notes and details.
- G. Preliminary water use calculations per local and state ordinance.

3. 90% Construction Documentation:

Our scope of work will include:

- A. Refine mainline layout and remote control valve locations.
- B. Refine Layout of all irrigation sprinklers, drip line and bubblers.
- C. Valving of planting zones based on plant type, slope and exposure.
- D. Lateral piping of valves to sprinklers, bubblers and drip irrigation.
- E. Refine irrigation equipment legend, general installation notes and details.
- F. Irrigation technical specifications.

City of Placerville
RE: Lions Park, Placerville, CA.

December 15, 2023
Page 2 of 4

G. Refine water use calculations per local and state ordinance.

4. 100% Construction Documentation:

Our scope of work will include:

- A. Revise irrigation drawings to conform to any minor changes.
- B. Sizing of lateral lines.
- C. Finalize irrigation equipment legend, general installation notes and details.
- D. Finalize specifications.
- E. Finalize water use calculations per local and state ordinance.

5. Construction Administration (if required):

Our scope of work could include the following:

A. Post-construction observation:

- a. Inspection of entire irrigation system under operation (each zone) to verify if it has been installed per plans.
- b. Create a report of findings and corrections required.
- c. Construction observation is billed on a time and materials basis not to exceed amount shown.

B. Submittal review:

- a. Review submittal and approve or request additional information.
- b. Submittal reviews are billed on a time and materials basis not to exceed amount shown.

C. RFI & Addendums:

- a. Review and respond to RFIs.
- b. Issue addendums for changes to plans.
- c. RFIs and addendums are billed on an hourly basis not to exceed amount shown.

6. Digital As-built Documentation:

Our scope of work will include:

- A. GPS locate all remote control valves and large rotors after installation to verify sprinkler coverage.
- B. Update existing cad files to reflect the contractor's field notes and field changes.
- C. Add dimensions to various components per contractor's redlined as-built markups.
- D. Provide colored hatch outlines per valve.
- E. PDF and CAD files will be provided as deliverables.

7. Reimbursable expenses:

Mileage, tolls, deliveries, reproduction costs, etc. will be billed at our cost up to the amount listed.

OPTIONAL SERVICES

8. Drone Imagery/Base Map creation:

Our scope of work will include:

- A. Fly site with Drone.
- B. Ortho rectify imagery utilizing survey grade GPS.
- C. Process imagery and draw base features into AutoCAD.

EXCLUDED DESIGN SERVICES:

- A. Recycled water retrofit report or colored piping plans for recycled water exhibits.
- B. High voltage electrical (service from source to controller and/or pumps)

City of Placerville
 RE: Lions Park, Placerville, CA.

December 15, 2023
 Page 3 of 4

- C. Booster pumps.
- D. Well design.
- E. LEED, CAL Green and CHPS documentation.

Please find our irrigation design fees relative to each of the following project areas:

Irrigation Design Services:

1. Preliminary Site Visit.....	\$2,500
2. 50% Construction Documentation.....	\$3,500
3. 90% Construction Documentation.....	\$6,500
4. 100% Construction Documentation.....	<u>\$1,000</u>
Total Irrigation Design Services:	\$13,500

Irrigation Construction Administration Services:

5. Construction Administration (if required)	
A. Post Construction Observation.....	\$1,200
B. Submittal Review.....	\$250
C. RFI/Addendums.....	\$450
6. Digital As-built Documentation.....	\$2,500
7. Reimbursable expenses.....	<u>\$200</u>
Total Irrigation Construction Observation Services:	\$4,600

Optional Services:

8. Drone Imagery/Base Map creation (OPTIONAL):	\$3,500
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Additional Services:

Additional Site Meeting (if required)	\$150.00 per hour
Additional coordination meetings (if required)	\$150.00 per hour

Note: One round of minor base change is included in the fee. After the majority of the irrigation design has been completed, all changes will be billed time and materials per the fee schedule listed below.

Hourly fee schedule:

Principal	\$175.00	Project Manager	\$150.00	Design Assistant	\$125.00	CADD Technician	\$100.00
Fieldwork	\$150.00	Clerical	\$95.00				

Preferred controller location(s) will be provided for our use by City of Placerville.

This proposal is valid for 180 days from the date shown on this proposal. Thank you for considering our firm to provide irrigation consulting services. Please feel free to contact me with any questions you may have.

City of Placerville
RE: Lions Park, Placerville, CA.

December 15, 2023
Page 4 of 4

Respectfully Submitted,

RUSSELL D. MITCHELL & ASSOCIATES, INC.

Jeff Bradshaw

Jeff Bradshaw; CID, CLIA, ASIC

Project Manager

Proposal accepted by: _____ Date: _____

Title: _____ Job#: _____

(Please email or fax back a signed copy.)

"A verbal or email consent to proceed sent to RMA implies the fee proposal and its terms are approved."