



*City of*  
**Colusa**

*Request for Proposal*  
**Updating the City's Water Master Plan**



*Submitted by:*



**CALIFORNIA  
ENGINEERING  
COMPANY INC**

ESTD 1996

**May 23, 2022**

**Corporate Office**  
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Yuba City, CA 95993

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**[www.cecusa.net](http://www.cecusa.net)**



**CALIFORNIA  
ENGINEERING  
COMPANY INC**  
ESTD 1996

CIVIL ENGINEERING  
LAND SURVEYING  
FUNDING PROCUREMENT  
CONSTRUCTION ADMINISTRATION  
[www.cecusa.net](http://www.cecusa.net)

Main Office  
1110 Civic Center Blvd.,  
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Yuba City, CA 95993  
(530) 751-0952

May 20, 2022

City of Colusa  
425 Webster Street  
Colusa Ca. 95932

Attention: Jesse Cain – City Manager

Subject: 22-926 City of Colusa Water Master Plan

Jesse:

We are pleased to submit this proposal for Engineering Services to the City of Colusa to perform a comprehensive Water Master Plan. We have successfully performed this work for other municipalities and are experienced in the fields of water distribution, water distribution modeling, groundwater wells and elevated water tanks systems, and operations and maintenance of water facilities. This work scope is our best understanding of the current needs and how to address them. For this endeavor we would propose the following work scope.

**Project Work Scope:**

This Master Engineering Study will evaluate the City's existing water supply (groundwater wells) treatment (mostly chlorine), and distribution system and assess existing supply, reliability, storage, drought tolerance, and distribution system useful life and capabilities.

**Scope of work:**

- 1.) Summary and description of existing water system
- 2.) Water model of existing system which will evaluate fire flows and distribution system performance.
- 3.) Projection of water distribution demand for the 10-year and 20-year planning horizon.
- 4.) Evaluation of the existing water distribution system and identification of hydraulic deficiencies with maintenance and mitigation recommendations based upon results of the water model and projected growth.
- 5.) Evaluation of the existing wells and treatment systems, identification of deficiencies and recommendations based on current and projected growth.
- 6.) Analysis of available engineering and financial alternatives for maintenance and system improvements.
- 7.) Analysis of system's ability to cope with severe and long-term drought, including water conservation, public outreach, storage and possible additional source supply.

***California Engineering Company, Inc.***

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- 8.) Cost estimate for required improvements to the distribution system and water wells to ensure adequate capacity for both summer and winter demand and Master Plan projected growth.
- 9.) A short and long-term capital improvement plan (CIP) to address identified deficiencies including prioritization, alternatives, analysis, and schedules. The CIP shall include an examination of connection fees based on projected growth and examine current rate schedules as they relate to operations and maintenance.
- 10.) Funding alternatives to implement CIP shall be examined and three potential funding strategies shall be presented which include some grant and loan options for funding the capital improvement program.
- 11.) Identification of any present and future regulatory concerns for the water system source supply and distribution system.
- 12.) (2) presentations to City staff and (2) presentations to the City Council.

I have included in the proposal a spreadsheet outlining the above costs in a separate sealed envelope. However, some of these budget items may be beyond what the City feels is necessary and can easily be adjusted to reflect a more refined work scope and budget.

Kind Regards,



David L. Swartz, PE, PLS, QSD, QSP  
Chief Executive Officer

DLS:s



# *Request For Proposal* **Updating the City's Water Master Plan**

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## ***Request For Proposal*** **Updating the City's Water Master Plan**

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### **Introduction and Executive Summary**

California Engineering Company, Inc. (CEC) is currently working on other projects for the City of Colusa. This Water Master Plan engineering study will investigate both existing and future infrastructure improvements to the City of Colusa source supply's (groundwater wells), and distribution system to ensure the City has adequate water facilities to support existing residents in light of the continued drought conditions being experienced, and future growth as defined in the adopted City General Plan and by recent annexations.

The fundamental objective of this project is to develop a capital improvement and replacement program coupled with funding opportunities, by priority. As the City's infrastructure continues to age, and budgets become more limited, "reactive replacement" i.e., on an emergency basis is just not sustainable nor cost effective. In the past two decades, drought have become more common, and this plan will incorporate strategies and measure to prepare for future drought conditions.

The City's forward thinking towards conducting this master plan, and then using it to leverage future funding opportunities is both economically responsible and efficient. Larger, planned projects, have cheaper unit costs, thus more gets done using the same amount of money. This approach should also serve to "free-up" public works staff from performing work that has very small cost benefits and allow them to better maintain the City's remaining infrastructure. Our goal is to essentially function as an extension of your staff. I sincerely hope that our performance to date demonstrates our commitment to this goal. We have performed at least ten (10) similar water master plan projects for other municipalities. We are very familiar with the City water source supply and transport systems, which eliminates a lot of extra work other firms will endure to gain an understanding of your system. We will get right to work on meaningful tasks at hand.

With our current staff of 13, all engineering, land surveying, and some geotechnical activities will be handled in-house. It's our promise to the City that the final product will be useable, pragmatic, and straight forward. One of the primary goals we want to accomplish is a useable document, probably a color-coded map, of the priority projects the City may consider in the management of their water assets. This is a quick way to make valuable assessments and assertions and illustrate to the City Council and grant writers our comprehensive strategy which is backed up by a detailed engineering document.

What we also comment NOT to do is produce a large volume of paper that sits on a shelf and is a regurgitation of information that already exists. This is a waste of time and money.





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Year CEC Established: 1996

Type of Organizations: Type S Corporation

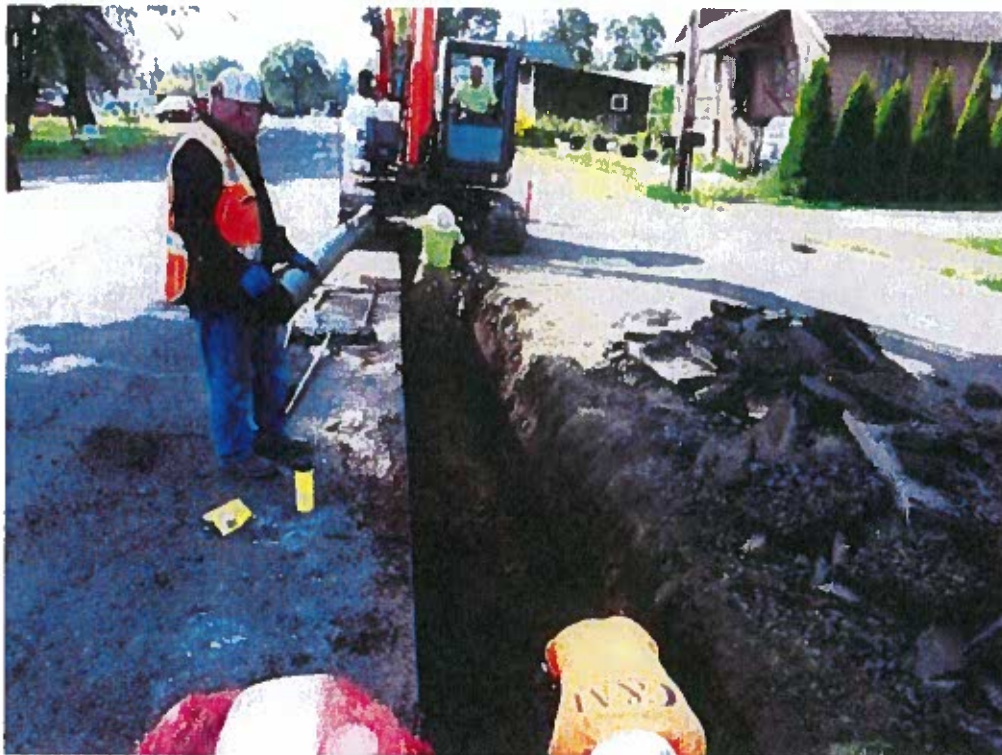
Legal Firm Name: California Engineering Company, Inc.

### **Departments**

- Civil Engineering
- Surveying
- Planning and Entitlements
- Grant Writing
- Construction Management

### **Applicable Certifications**

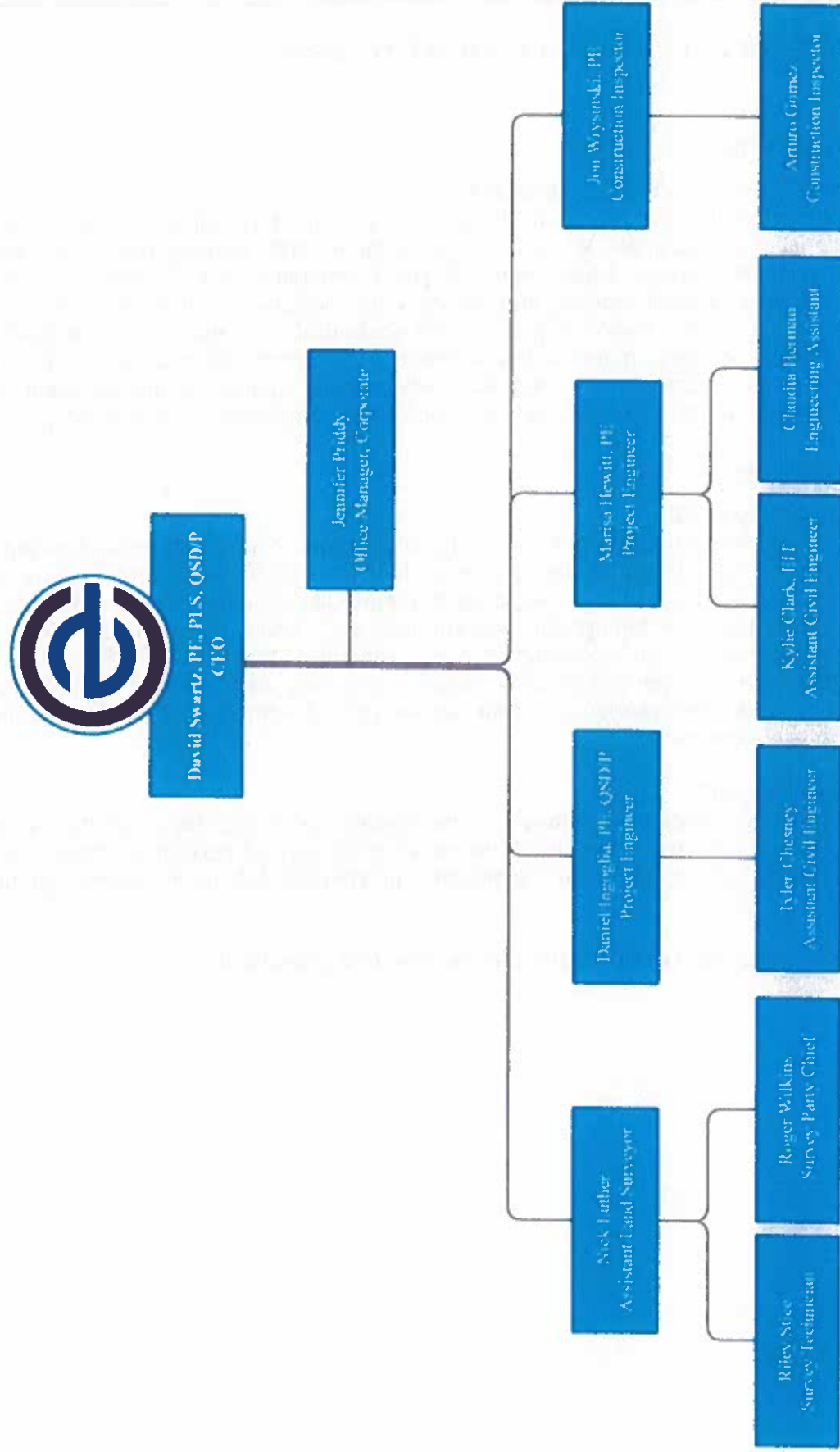
- Professional Civil Engineers - 3
- Licensed Land Surveyors - 1
- Licensed Storm Water Designer, QSD - 2
- Licensed Storm Water Inspector, QSP - 2
- Engineers in Training - 1





# Request For Proposal Updating the City's Water Master Plan

## Project Team Organization Chart





## ***Request For Proposal*** **Updating the City's Water Master Plan**

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### **Members of Our Co-Leadership Team**

#### **Management**

##### **David L. Swartz, PE, PLS, QSD, QSP**

Mr. Swartz will be the Officer in Charge for this contract. He will sign all contracts and plans and will review all submittals. Mr. Swartz has designed, and managed numerous projects during his career which size up to \$20M. He has 30 years' experience, with 24 years in business for himself. He has been actively working on projects within the City of Colusa since 2014. These projects include both water, sewer, city wells, and storm drain infrastructure. His experience includes serving as the City Engineer or District Engineer for several cities and as the County Surveyor for the County of Colusa. His municipal public works budgeting, management and forecasting experience will prove invaluable in the successful completion of this plan/project.

#### **Personnel**

##### **Marisa Hewitt, PE**

Ms. Hewitt will be the Project Engineer for this contract. She will attend all meetings and site visits and will manage all sub-contractors (if needed). Ms. Hewitt has 7 years of municipal engineering experience and has managed two projects for the City of Colusa. Ms. Hewitt will have the full CEC staff as a resource throughout the contract. Ms. Hewitt will be mostly involved in the water modeling that we are proposing to perform for this Master Plan. She has modeled several complex water systems including, Sutter Community Services District, and Highlands Water Company. All her experience to date has been on infrastructure projects, i.e. water, sewer, storm drain and street design.

##### **Kylie Clark, EIT**

Kylie will be dedicated to producing the existing conditions portion of the Water Master Plan Report and will assist Marisa with the water modeling and calibration efforts. In addition, Kylie will also be tasked with producing quantity and cost estimate for the various priority projects.

**\*For the resumes of our team, please refer to Appendix A**





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### **Statement of Qualifications and Experience**

#### **Project Understanding and Approach**

**Project In General:** CEC's understanding of this project is based on the RFP, and our ongoing experience and involvement with the City related to the water infrastructure. With a full time grant writer now in place and dedicated to procuring funding for public infrastructure, this master plan will be combine with the recently completed Pavement Management Plan, and a current ongoing Sewer Master Plan, to help guide the City's capital improvement and replacement program. We plan on working closely with the consultant performing the Sewer Master Plan and producing documents that are complimentary to one another.

It's our assessment that this strategy will provide maximum benefit by leveraging the adopted plans to assist the grant writer in procuring funds. Additionally, larger projects tend to have cheaper unit price costs, so again, the larger projects will more cost effectively cover more infrastructure.

**Approach:** Our approach is very "hands on" and we would suggest the following strategy:

- 1.) Define a target budget project size (standardized) with City Staff.
- 2.) Produce a set of projects (between 6-10), within areas as defined by the City to match the budget, complimentary master plans, priority, and grant competitiveness.
- 3.) Use previous information and produce an existing conditions section and then from that produce a water model of the existing system. This water model is anticipated to incorporate the two additional wells that may come online any time, from the Colusa Industrial Park.
- 4.) Create Project priorities and compare those to the other master planning efforts and identify intersections between the documents.
- 5.) Create Project descriptions and estimates based on above work and modify as necessary with City staff to refined budgets.
- 6.) Rerun the water model with each project input into the model successively.
- 7.) Create Budgets for each project
- 8.) Participate in a capital improvement and replacement program that is more comprehensive given the other work that has either recently been completed or is currently underway
- 9.) Create a set of exhibits for the City Manager, City Council and the City Grant Writer to utilize to quickly and efficiently leverage the Master Plan results. These would be mostly maps.

Key staff members which would be involved in the implementation of the above-described work approach are listed below and their resumes are attached in Appendix A.

- David L. Swartz, PE, PLS, QSD/P – CEO of CEC, Inc. Is the responsible officer in charge of work, and will be responsible for contracts negotiation, contract fulfillment, and QA/QC of the project. David would also co-lead construction administration with Marisa Hewitt.
- Marisa Hewitt, PE – Will be the lead professional Civil Engineer. Marisa would also co-lead construction administration with David Swartz.



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- Daniel I. Ingoglia, PE, QSD/P – Will be the lead professional Civil Engineer if there is a concurrent second project that is performed by CEC.
- Kylie Clark, EIT – Will be the lead professional under the supervision of Marisa Hewitt, should there be a third concurrent project desire by the City.
- Nicholas Luther, - Party Chief Surveyor – Will be responsible for all field surveying and mapping, survey control and boundary for the project.
- Jon Wrysinski, PE, - Will be the lead professional responsible for conducting construction Inspection.

### **Ability and Capacity**

Our commitment to the City, is to commence work on this project assigned under this RFP within one (1) week of authorization. The project manager assigned to this contract will be Marisa Hewitt, and David Swartz will negotiate the contract on behalf of the firm.

CEC has previously been engaged with the City and meets all insurance requirements.

Our understanding of the City's needs is based on our ongoing experience and is detailed above in the project understanding and approach.

CEC has consistently performed for the City and met or exceeded expectations to provide project delivery in a timely manner. We have both equipment and staff and will dedicate them as appropriate to meet the City's expectations. This is an important matter, as grant timing, based on our experience, impacts the ability to procure funds.

### **Project Management/Firm Strengths and Qualifications**

Team Leadership, Qualifications, and Strengths: CEC's team leadership will be co-led by both Marisa Hewitt, PE, and David Swartz, PE, PLS, QSD/P. CEC has been successfully delivering projects to the City under this strategy and believes a continuation will be best suited for the project(s). Based on past performance, of the following projects we believe this leadership team has proven it's qualifications, and strengths, so rather than outline them we assert that a listing of recent projects performed is more suited:

- City Wide Paving and Storm Drain Project
- City Wide Chip Seal Project
- Well No. 7 (So. 5<sup>th</sup> Street) Well design and grant procurement
- City Water Line Project in Bridge Street
- City Pavement Management Plan



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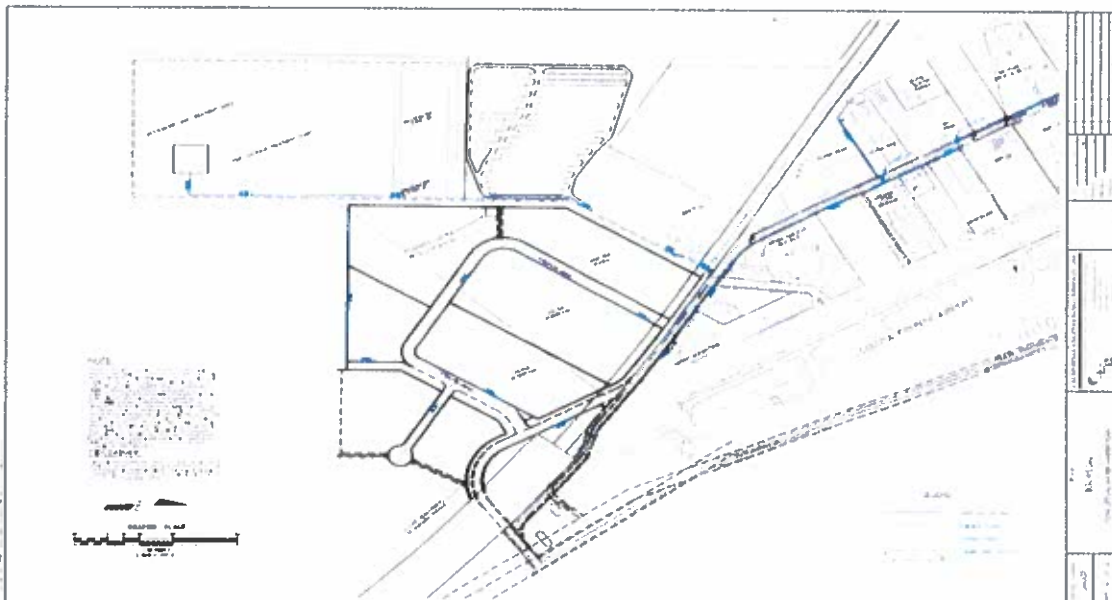
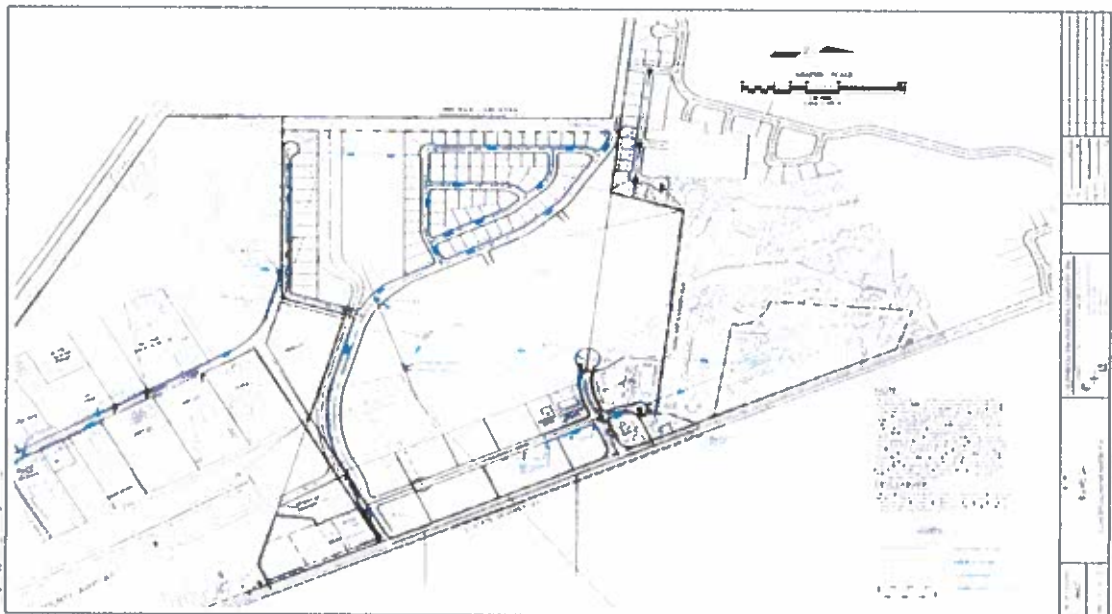
Project management at CEC is a collaborative effort. Due to our firm size, we manage projects by continuously communicating, conducting weekly team meetings, which include City staff, and creating time and date deliverable memos. All design work is reviewed by team peers, and reviewed by David Swartz for practical solutions, buildability, and construction costs considerations.



# Request For Proposal Updating the City's Water Master Plan

## CEC Water Related Reference Projects

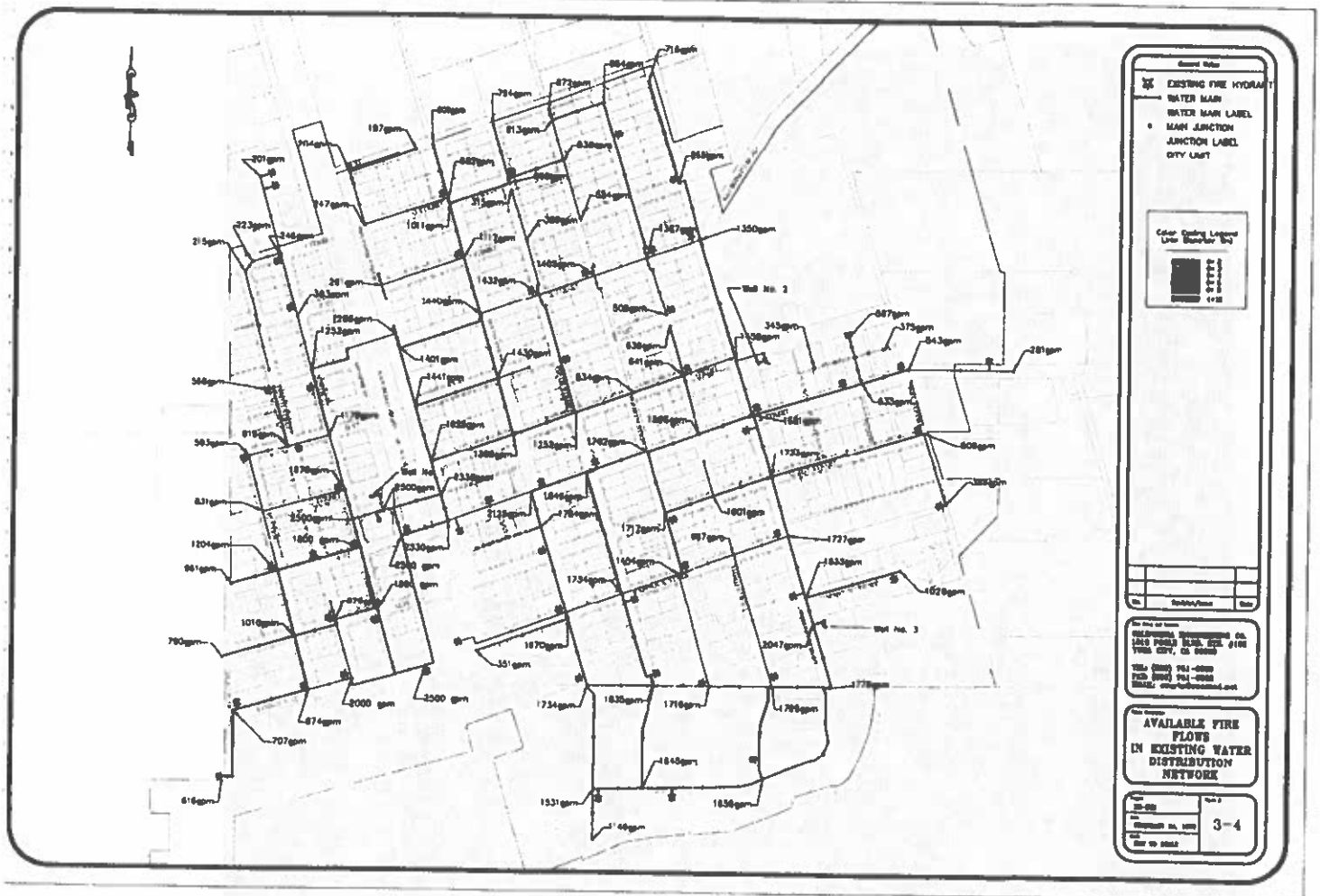
**Project:** Colusa Industrial Park Water Master Plan  
**Project Cost:** \$60K.  
**Client:** Colusa Industrial Park  
**Reference:** Ed Hulbert, General City Manager  
**Description:** This work was largely the same endeavor as the City of Colus's RFP. CEC performed an existing conditions analysis on a system that previously had no data, and the modeled the system both current and with future project considerations.





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**Project:** City of Biggs Water Master Plan  
**Project Cost:** \$90K.  
**Client:** City of Biggs  
**Reference:** Ken McDonald – Former City Manager  
**Description:** This work was largely the same endeavor as the City of Colusa's RFP. CEC performed an existing conditions analysis on a system that previously had no data, and the modeled the system both current and with future project considerations.

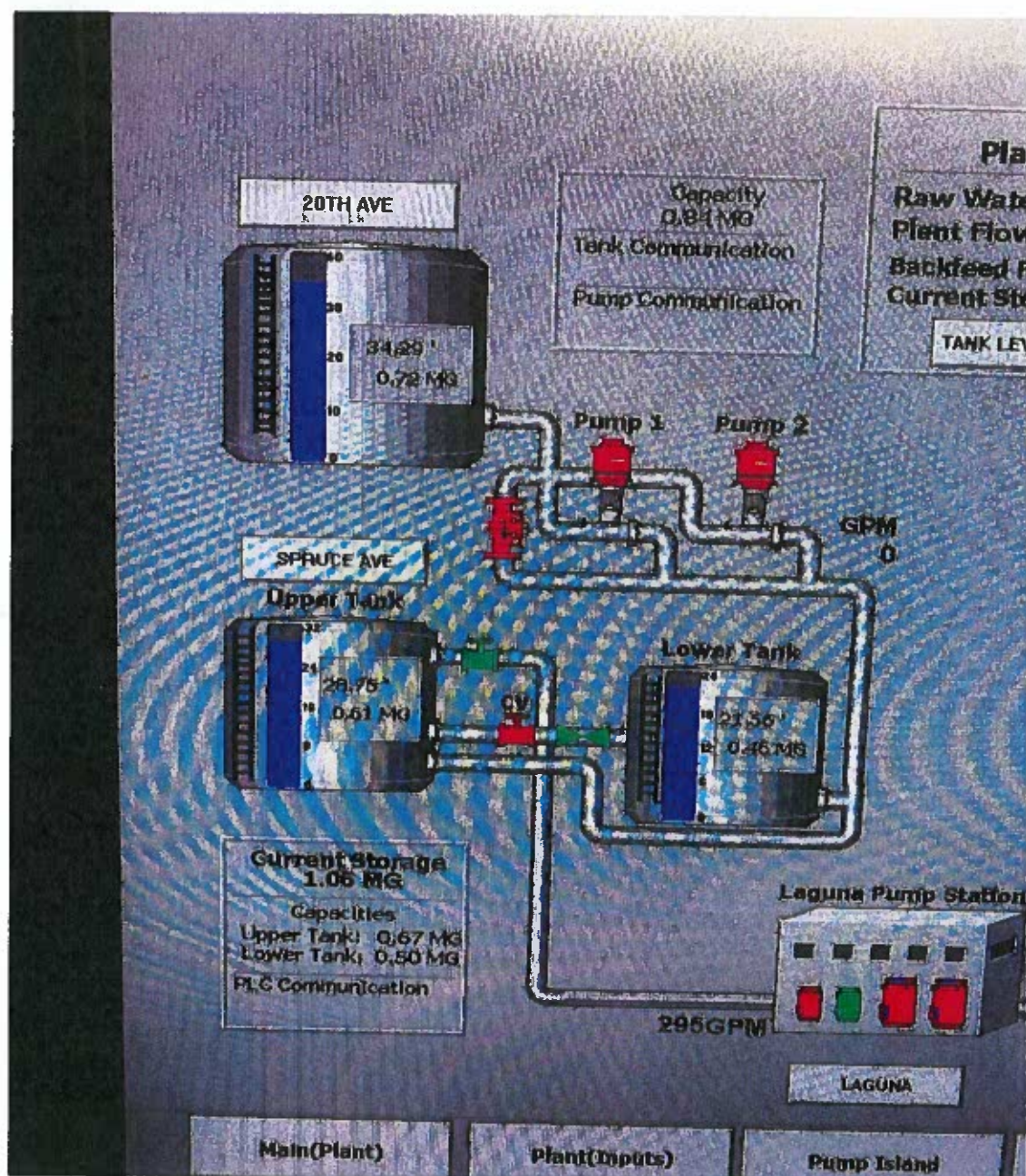






## Request For Proposal Updating the City's Water Master Plan

**Project:** Highlands Water Company Water Master Plan  
**Project Cost:** \$175K  
**Client:** Highlands Water Company  
**Reference:** Jeff Davis – General Manager  
**Description:** This water master plan was a very complex model, as the district pulls water from Clearlake, and then treats the water and then distributes it to 4 different pressure zones, which all contain storage reservoirs and booster pumps. CEC utilized existing data for the existing system, and which allowed primary focus on updates to the system, and a detailed modeling.





## *Request For Proposal* **Updating the City's Water Master Plan**

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### **CEC References**

1. City of Colusa, Jesse Cain, City Manager, 530-682-2933
2. City of Colusa, Brian Stice, City Planner/Building Inspector, 530-434-8809
3. Sutter Community Services District, Leland Correll, General Manager, 530-755-1733
4. City of Clearlake, Dale Goodman, Public Works Director, 707-350-5765
5. City of Clearlake, Alan Flora, City Manager, 574-229-6608
6. City of Clearlake, Adeline Brown, Construction Manager, 707-350-3914
7. City of Williams, Frank Kennedy, City Manager, 530-306-3262
8. Colusa Industrial Park, Ed Hulbert, General Manager, 530-682-7431



## ***Request For Proposal*** **Updating the City's Water Master Plan**

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### **Scope of Services**

- 1.) Summary and description of existing water system
- 2.) Water model of existing system which will evaluate fire flows and distribution system performance.
- 3.) Projection of water distribution demand for the 10 year and 20-year planning horizon using both the City's general plan, and subsequent annexations.
- 4.) Evaluation of the existing water distribution system and identification of hydraulic deficiencies with maintenance and mitigation recommendations based upon results of the water model and projected growth.
- 5.) Evaluation of the existing wells and treatment systems, identification of deficiencies and recommendations based on current and projected growth.
- 6.) Analysis of available engineering and financial alternatives for maintenance and system improvements.
- 7.) Analysis of system's ability to cope with severe and long-term drought, including water conservation, public outreach, storage, and possible additional source supply.
- 8.) Cost estimate for required improvements to the distribution system and water wells to ensure adequate capacity for both summer and winter demand and Master Plan projected growth.
- 9.) A short and long-term capital improvement plan (CIP) to address identified deficiencies including prioritization, alternatives, analysis, and schedules. The CIP shall include, and examination of connection fees based on projected growth and examine current rate schedules as they relate to operations and maintenance.
- 10.) Funding alternatives to implement CIP shall be examined and three potential funding strategies shall be presented which include some grant and loan options for funding the capital improvement program.
- 11.) Identification of any present and future regulatory concerns for the water system source supply and distribution system.
- 12.) (2) presentations to City Staff and (2) presentations to the City Council.



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### Work Program and Schedule

Notice to Proceed	June 15, 2022
Kick-off Meeting	June 21, 2022
Existing Conditions	August 30, 2022
Existing Conditions Water Model	September 27, 2022
Water Master Plan 50% Complete	September 27, 2022
City Review	October 4, 2022
Future Conditions w/ Land Use	Nov. 22, 2022
Coordinate Projects with Other MP's	Dec 6, 2022
Priority Scenario and Estimates	Jan 17, 2023
City Review	Jan 31, 2023
Water Master Plan 80% Complete	Jan 31, 2023
Capital Improvement and Replacement Program	Feb 28, 2023
Completed Water Master Plan	March 21, 2023

**Note:**

This is a proposed project schedule and will depend on milestones being completed by the City, such as contract execution and timely reviews.



## Request For Proposal Updating the City's Water Master Plan

### Conflict of Interest and Indemnification and Insurance

#### Conflict of Interest Statement

CEC certifies that no official or employee of the City of Colusa, nor any business entity in which an official of the City of Colusa has an interest, has been employed by CEC or retained by CEC to solicit or aid in the procuring of any resulting contract, nor will any such person be employed by CEC in the performance of such contract without CEC immediately divulging such fact to the City.

#### Indemnification and Insurance

CEC provides the following table to indicate our current indemnifications and insurance coverage. We can easily modify our coverage to meet any additional requirements. CEC continuously keeps and maintains workers compensation, professional liability, and general liability insurance required to perform services for public municipalities. CEC will provide proof of insurance to the City of Colusa if awarded this project.

Workers Compensation	Professional Liability	General Liability	Automobile Liability (Any Auto)
Valley Forge Insurance Company WC Policy No. 6 24962542 NAIC No. 15032 \$1,000,000 per claim	Berkshire Hathaway GUARD Insurance Companies NAIC No. 42390 CAPL 139415 \$1,000,000 per occurrence \$1,000,000 aggregate	Valley Forge Insurance Company NAIC No. 15032 Policy No. B 6024849707 \$2,000,000 per occurrence \$4,000,000 general aggregate	Valley Forge Insurance Company NAIC No. 15032 Policy No. 6024848459 \$1,000,000 combined Single Limit (CSL) per accident





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### **Statement of Affirmative Action and Indication of Small Business**

Statement of Affirmative Action Policy, Conflicts of Interest Statement, Drug-Free Workplace Compliance

California Engineering Company, Inc. (CEC) is an equal opportunity employer. It is the firms' policy to recruit, hire, and promote, based on qualifications and merit, without regard to race, color, ethnicity, national origin, religion, gender, sexual orientation, disability or marital status.

In recruiting new employees, CEC uses the services of employment placement agencies which are familiar with outreach efforts to ensure that all qualified members of the community are informed of job opportunities.

CEC in no way violates compliance of Executive Order 11246.

CEC has a conflict interest policy included in its personnel plan to identify potential conflict of interest issues for said employees. Additionally has a Drug Free Workplace Requirement in force which meets required State and Federal overlay requirements.

Indication of Small Business, Minority, or Woman-Owned Business

California Engineering Company, Inc. (CEC) is registered as a small business #56657 with the State of California. CEC does not qualify as a Minority or Woman Owned Business. Information relating to race, ethnicity, or gender of the firm's owners or its employees is provided for informational purposes only, to comply with government monitoring requirements.



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### **Supplemental Information**

#### **Legal Actions against the Firm**

CEC has no legal actions or judgments against the firm or any project team members with performance or professional liability in the past five years.

#### **On Time, Within Scope, Within Budget**

CEC's accomplished staff members pride themselves on completing projects on time, within scope, within budget, and with a commitment to quality interactions and ongoing communications with City staff. CEC uses BillQuick software to track project expenditures and Microsoft Project software for scheduling. We review project expenditures every week to ensure the project is progressing consistently, comparing the percentage of the project that has been completed with the hours we have expended to date.

#### **Proactive Project Management-Coordination**

CEC's core offer in the engineering marketplace is municipal engineering. Currently 90% of our revenue comes from our municipal clients. Coordination between stakeholders is one of the most important tasks involved in any project. A typical City project often has at least 8 stakeholders which have varying levels of interest, lead times, construction requirements, and permitting. A "typical" coordination contact list for CEC is as follows:

- City Department Staff (traffic, water, sewer, storm)
- Caltrans
- PG&E, AT&T
- Property Owners
- Department of Fish and Wildlife
- U.S. Army Corps of Engineers
- Funding Sources
- Local Drainage or other Special Districts
- Fire Department
- Other Engineering/Architecture Disciplines
- California Regional Water Quality Control Board
- Public Outreach

Lack of coordination with any one of these key stakeholders can cause project delays and increase costs. CEC coordinates with these stakeholders on almost every project and are comfortable with their processes. CEC has established good relationships with individual staff members who assist with processing and approvals.

#### **Project Notice / Lead Time**

With most of our municipal project's CEC must follow funding time constraints or weather constraints. CEC strives to begin most projects within 10 working days after notification, often sooner.



# *Request For Proposal* **Updating the City's Water Master Plan**

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## Appendix A

### Team Resumes



## *Request For Proposal* **Updating the City's Water Master Plan**



### **David L. Swartz, PE, PLS, QSD, QSP**

Chief Executive Officer

Professional Civil Engineer, California # C-52840

Professional Land Surveyor, California # LS-8401

Certified Storm Water Designer, QSD

Certified Storm Water Inspector, QSP

Mr. Swartz has 30 years of municipal engineering experience, the last 26 years with CEC. His experience includes being a consulting member of municipal staff as consulting city engineer and performing engineering services for individual projects for municipalities. This experience has given Mr. Swartz the capacity to understand what our municipal clients need and are concerned with. He has designed and construction managed a variety of public works projects. As CEC's Chief Executive Officer, he is responsible for the operation of the business as well as making sure our clients are satisfied. Mr. Swartz is ultimately responsible for quality assurance and quality control for all projects, negotiating and signing all contracts, and coaching staff as necessary to fulfill their careers and ambitions.

*Education and Certifications*    1985, BS Agricultural Engineering, California Polytechnic State University, San Luis Obispo

*Training Programs*    **Business Professional's Course**  
The Aji Network (2002-04)  
Leadership, Entrepreneurship, Innovation, and Power Program  
The Aji Network (2005-07)

*Professional Affiliations*    American Society of Civil Engineers (ASCE), Rotary Club

*Project Experience*

- Consulting City Engineer and Surveyor, City of Clearlake, CA
- Consulting City Engineer and Surveyor, City of Colusa, CA
- Consulting County Surveyor, County of Colusa, CA
- Consulting Engineer and Surveyor, City of Red Bluff, CA
- District Engineer, Sutter Community Services District, CA
- Grant Administrator and Labor Compliance, City of Jackson
- Clearlake Oaks Park, County of Lake, CA
- Middletown Senior Center, County of Lake, CA
- Consulting City Engineer and Surveyor, City of Willows, CA (2004-2008)
- Consulting City Engineer and Surveyor, City of Biggs, CA (1996-2012)
- Consulting City Engineer, City of Live Oak, CA (1993-1996)
- District Engineer, Live Oak Cemetery District, CA (2000-present)
- Wastewater Treatment Plant Construction Administration, City of Willows, CA
- Wastewater Treatment Plant Construction Administration, City of Biggs, CA
- Samoa Town Master Plan EIR, County of Humboldt, CA
- Industrial Park District Engineer, Colusa County, CA
- SR Hwy 99 Eight-Phase Traffic Signal and Intersection, Yuba City, CA



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- Watt Avenue Widening, County of Sacramento, CA
- Water Master Plan and Capital Improvement Plan, City of Biggs, CA
- Sewer Master Plan and Capital Improvement Plan, City of Biggs, CA
- Storm Drain Master Plan, City of Biggs, CA
- Storm Drain Master Plan, City of Oroville, CA
- Downtown Street Widening, Pennington Road, P Street, Fir Street, and O Streets, City of Live Oak, CA
- E Street Rehabilitation and Widening, City of Biggs, CA
- Sewer Transport and Collection System Replacement Project, City of Biggs, CA
- Infiltration and Inflow Study, City of Biggs, CA
- USDA Water System Rehabilitation Project, City of Biggs, CA
- CDBG West Side Storm Drain Project, City of Biggs, CA
- Safe Routes to School and Transportation Enhancement Activities Project, City of Biggs, CA
- Safe Routes to School, Transportation Enhancement Activities, and C Street Project, City of Biggs, CA
- Clark Avenue Sewer Rehabilitation Project, City of Yuba City
- CDBG 18" Sewer Bypass Project, City of Willows, CA
- Oak Knoll Subdivision, Tentative map and entitlements for 756 lots, City of Live Oak, CA
- River Glen Subdivision, Tentative map, design documents, surveying, construction staking for 274 lots, Yuba County, CA
- Henan Estates Subdivision, Tentative map, entitlements, development agreements, plans and specifications, and surveying, CA
- Samoa Pacific Group, Project engineer for tentative map and entitlements, Humboldt County, CA
- Foster Avenue Subdivision, Annexation, entitlements, and tentative map, City of Arcata, CA
- River Oaks Subdivision, Project engineer for 125 lot subdivision, Yuba City, CA
- Del Webb Water Storage Tank Farm, Palm Desert, CA
- Sutter North Medical Office Complex, Yuba City, CA
- All Size Mini Storage, Roseville, CA
- Del Norte Clinics, Yuba City, CA
- K&DR 9-Hole Executive Golf Course and Development, Butte County, CA
- Biggs Family Park, Biggs, CA
- Clear Lake Oaks Family Park, Lake County, CA
- South Side Bike Path PS&E, City of Firebaugh, CA
- Community Bike Path, Class I, Class II, and Class III, Yuba City, CA
- Provide design consulting and permitting services for small community wastewater collection systems. Project includes 29 lots in Bucks Lake, Plumas County, CA, Sun Valley Floral





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## Updating the City's Water Master Plan

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### **Marisa Hewitt, PE**

Project Engineer

Professional Civil Engineer, California # C-91572

Ms. Hewitt has 6 years of Municipal Engineering, Storm Drainage Design and Analysis, and Sewer and Water Infrastructure design experience. Her experience includes being a member of municipal staff as consulting assistant City Engineer. Her role is to manage projects through design and construction and assist other staff members. She is proficient in several computer programs including AutoCAD Civil 3D, WaterCAD, and Microsoft Office programs.

#### *Education and Certifications*

2017, BS Civil Engineering, California State University, Chico

#### *Professional Affiliations*

American Society of Civil Engineers (ASCE)  
Tau Beta Pi; The Engineering Honor Society

#### *Project Experience*

- City of Clearlake- Sulphur Fire Roadway Disaster Repair
- City of Clearlake – Measure V Roadway Improvement Projects: 2018, 2019, 2020, 2021
- City of Clearlake- Burns Valley Development- Phase 1
- Samoa Phase 2- Townhomes and Business Park
- A&E Arborists Civil Design- Sutter
- Ampla Health Medical Building- Yuba City
- Paskenta CSD Meters and Lines Project- Design and DWSRF Construction Grant
- Septic Systems
- City of Colusa - Bridge Street Sewer Crossings
- City of Colusa - Bridge Street Waterlines- DWSRF Construction Grant
- City of Colusa - Walnut Ranch Sewer lines- CWSRF Construction Grant
- Windswept Farms - Levee Pipe Crossing
- ADA Design for sidewalk ramps
- Storm Drainage including curb, gutter, and sidewalk
- Site plans
- Sewer Line Design for Subdivision
- Roadway Striping Improvements Project
- Engineer Intern, City of Yuba City, CA (2016-2017)



## *Request For Proposal* **Updating the City's Water Master Plan**

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### **Kylie Clark, EIT**

Assistant Engineer

Engineer in Training, California Certification # 176424

Ms. Clark has 2 years of Municipal Engineering, Storm Drainage Design and Analysis, Sewer and Water Infrastructure design experience. Her experience includes curb, gutter & sidewalk improvements, septic design, and site grading and drainage, as well as being the Stormwater Coordinator for the City of Clearlake as part of the Clean Water Program. Her role is to attend program meetings and assist Public Works staff with reporting and documenting essential information for the MS4 permit. She is proficient in computer programs including AutoCAD Civil 3D and Microsoft Office programs and has experience with GeoTracker and SMARTS online databases.

*Education and Certifications*    2021, BS Civil Engineering, California State University, Chico

*Professional Affiliations*    American Society of Civil Engineers (ASCE)  
Chi Epsilon; The Civil Engineering Honor Society

*Project Experience*

- City of Clearlake– Austin Park Bus Stop
- City of Clearlake – Sulphur Fire Road Survey- Differential level circuits, Retracement & Topographic Survey
- City of Galt– Downtown ADA Improvements
- Ampla Health Campus Expansion– Yuba City
- Samoa Peninsula– Lead Abatement Project (Waterboard)
- City of Clearlake– Austin Park Splash Pad
- City of Colusa– City Waterpark Splash Pad
- Generation Communities– Tennant Estates Subdivision Project



# Request For Proposal Updating the City's Water Master Plan



**Nicholas T. Luther**  
Assistant Land Surveyor

Mr. Luther has 22 years of experience collecting field data using the Global positioning system and conventional survey equipment for a variety of survey applications. These surveys include boundary retracement & resolutions, topographic & as-built, control networks, level loops and construction staking. He also assists with planning, research & documentation, flood elevation certifications, production of record mapping & As-built or topographic mapping, filing maps and application for surveys.

## *Education and Certifications*

Diploma, Lindhurst High School, California  
Introduction to Surveying, Westwood Technical College, Colorado  
Introduction to AutoCAD, Yuba College, California  
Intermediate Surveying, Sacramento City College, California

## *Project Experience*

- City of Clearlake – Measure V Roadway Improvement Projects: 2018, 2019, 2020, 2021
- Paskenta Community Service District, Town of Paskenta: Planning for Waterline improvements.
- Colusa Waste Water Treatment Plant, City of Colusa: Planning for Sewer line and facility improvements.
- Williams ADA, City of Williams: Planning for Capital improvement project. Colusa SRF water & sewer line: Planning for Sewer and Water line improvements.
- Rideout Memorial Hospital, Marysville CA: Planning and Construction of the cancer center and emergency wing tower.
- Beale AFB Global hawk hanger, U.S. Government, Yuba County Ca: Construction of hanger.
- Beale AFB Fuel Depot, U.S. Government, Yuba County Ca: Construction & upgrade existing fuel distribution network.
- Fremont hospital As-Builts, Yuba City CA, Planning for improvements.
- Williams subdivision- Phases 5-13, Williams CA: Construction of a master planned community, residential and commercial.
- Yuba highlands Boundary & Wetlands survey, Yuba County CA: Planned community.
- Reclamation district 1500, Sutter County CA: Levee rehabilitation project. Reclamation District 784, Yuba County CA: Infrastructure and control survey. Catamount Ranch & Club, Steamboat Springs CO: Construction of a 4,000 acres Master Planned Lake & Golf Community.